

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022420\  
 Data File : VD065289.D  
 Acq On : 24 Feb 2020 12:38  
 Operator : VA/SY  
 Sample : L1635-02MS  
 Misc : 6.33G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 DUNR-TS001-01MS

Manual Integrations  
 APPROVED

MMDadoda  
 2/25/2020 5:15:37 PM

Quant Time: Feb 25 02:09:18 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D021820S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 19 03:26:54 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 27825    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 42763    | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 41454    | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 16369    | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.33   | 65  | 23473    | 93.77 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 187.54% |      |
| 35) Dibromofluoromethane  | 7.92   | 113 | 18536    | 71.09 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 142.18% |      |
| 50) Toluene-d8            | 10.34  | 98  | 55256    | 55.43 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 110.86% |      |
| 62) 4-Bromofluorobenzene  | 12.64  | 95  | 14401    | 45.60 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 91.20%  |      |

## Target Compounds

|                               |      |     |       |          |        | Qvalue |
|-------------------------------|------|-----|-------|----------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.99 | 85  | 11804 | 50.579   | ug/l   | 98     |
| 3) Chloromethane              | 2.20 | 50  | 16295 | 54.856   | ug/l   | 100    |
| 4) Vinyl Chloride             | 2.35 | 62  | 14704 | 48.679   | ug/l   | 97     |
| 5) Bromomethane               | 2.78 | 94  | 12975 | 71.044   | ug/l   | 91     |
| 6) Chloroethane               | 2.93 | 64  | 10318 | 55.961   | ug/l # | 87     |
| 7) Trichlorofluoromethane     | 3.27 | 101 | 21194 | 49.009   | ug/l   | 100    |
| 8) Diethyl Ether              | 3.70 | 74  | 13056 | 100.017  | ug/l   | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.09 | 101 | 12151 | 44.493   | ug/l   | 98     |
| 10) Methyl Iodide             | 4.29 | 142 | 15187 | 53.560   | ug/l   | 100    |
| 11) Tert butyl alcohol        | 5.24 | 59  | 17728 | 1185.190 | ug/l   | 99     |
| 12) 1,1-Dichloroethene        | 4.06 | 96  | 12503 | 48.465   | ug/l   | 95     |
| 13) Acrolein                  | 3.92 | 56  | 16546 | 989.592  | ug/l   | 100    |
| 14) Allyl chloride            | 4.71 | 41  | 28245 | 67.421   | ug/l   | 87     |
| 15) Acrylonitrile             | 5.43 | 53  | 66120 | 1144.072 | ug/l   | 98     |
| 16) Acetone                   | 4.17 | 43  | 52982 | 865.867  | ug/l   | 98     |
| 17) Carbon Disulfide          | 4.40 | 76  | 39908 | 46.141   | ug/l   | 97     |
| 18) Methyl Acetate            | 4.72 | 43  | 95548 | 694.288  | ug/l   | 99     |
| 19) Methyl tert-butyl Ether   | 5.48 | 73  | 56670 | 105.339  | ug/l   | 96     |
| 20) Methylene Chloride        | 4.97 | 84  | 22279 | 85.015   | ug/l   | 88     |
| 21) trans-1,2-Dichloroethene  | 5.47 | 96  | 15601 | 53.196   | ug/l   | 93     |
| 22) Diisopropyl ether         | 6.37 | 45  | 52283 | 64.738   | ug/l # | 88     |
| 23) Vinyl Acetate             | 6.31 | 43  | 39078 | 87.770   | ug/l   | 96     |
| 24) 1,1-Dichloroethane        | 6.27 | 63  | 29527 | 58.944   | ug/l # | 91     |
| 25) 2-Butanone                | 7.23 | 43  | 79765 | 1030.315 | ug/l   | 98     |
| 26) 2,2-Dichloropropane       | 7.21 | 77  | 21592 | 49.680   | ug/l   | 91     |
| 27) cis-1,2-Dichloroethene    | 7.21 | 96  | 19186 | 61.760   | ug/l   | 93     |
| 28) Bromochloromethane        | 7.56 | 49  | 18312 | 98.534   | ug/l   | 95     |
| 29) Tetrahydrofuran           | 7.57 | 42  | 53205 | 1172.922 | ug/l   | 98     |
| 30) Chloroform                | 7.71 | 83  | 30996 | 61.418   | ug/l   | 96     |
| 31) Cyclohexane               | 7.99 | 56  | 16587 | 33.701   | ug/l   | 86     |
| 32) 1,1,1-Trichloroethane     | 7.91 | 97  | 24295 | 53.805   | ug/l   | 95     |
| 36) 1,1-Dichloropropene       | 8.11 | 75  | 16996 | 40.847   | ug/l   | 98     |
| 37) Ethyl Acetate             | 7.30 | 43  | 23648 | 135.953  | ug/l   | 98     |
| 38) Carbon Tetrachloride      | 8.10 | 117 | 19515 | 46.073   | ug/l   | 88     |

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 Misc : 6.33G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 DUNR-TS001-01MS

Manual Integrations  
 APPROVED

MMDadoda  
 2/25/2020 5:15:37 PM

Quant Time: Feb 25 02:09:18 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D021820S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 19 03:26:54 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.36  | 83   | 11863    | 24.251   | ug/l # | 82       |
| 40) Benzene                    | 8.36  | 78   | 64058    | 54.543   | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.53  | 41   | 14837    | 147.729  | ug/l   | 88       |
| 42) 1,2-Dichloroethane         | 8.43  | 62   | 28165    | 87.233   | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.46  | 43   | 40347    | 127.555  | ug/l   | 96       |
| 44) Trichloroethene            | 9.11  | 130  | 15104    | 46.395   | ug/l   | 85       |
| 45) 1,2-Dichloropropane        | 9.39  | 63   | 18741    | 64.174   | ug/l   | 99       |
| 46) Dibromomethane             | 9.47  | 93   | 15012    | 99.908   | ug/l   | 97       |
| 47) Bromodichloromethane       | 9.67  | 83   | 26567    | 67.091   | ug/l   | 95       |
| 48) Methyl methacrylate        | 9.46  | 41   | 24220    | 165.654  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.47  | 88   | 9048     | 5134.206 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 10.23 | 43   | 146867   | 914.159  | ug/l   | 99       |
| 52) Toluene                    | 10.41 | 92   | 35123    | 48.315   | ug/l   | 97       |
| 53) t-1,3-Dichloropropene      | 10.63 | 75   | 28819    | 78.517   | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene    | 10.09 | 75   | 28561    | 64.440   | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane      | 10.81 | 97   | 21126    | 99.892   | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.67 | 69   | 19025    | 77.938   | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.95 | 76   | 34630    | 96.208   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.94  | 63   | 34127    | 443.443  | ug/l   | 96       |
| 59) 2-Hexanone                 | 10.99 | 43   | 101413   | 881.809  | ug/l   | 100      |
| 60) Dibromochloromethane       | 11.14 | 129  | 23656    | 87.392   | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.26 | 107  | 22299    | 111.361  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.88 | 164  | 11692    | 39.768   | ug/l   | 97       |
| 65) Chlorobenzene              | 11.67 | 112  | 37152    | 44.660   | ug/l   | 92       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.75 | 131  | 18722    | 60.309   | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.75 | 91   | 51923    | 35.638   | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.86 | 106  | 37352    | 67.009   | ug/l   | 99       |
| 69) o-Xylene                   | 12.18 | 106  | 19582    | 39.652   | ug/l   | 99       |
| 70) Styrene                    | 12.20 | 104  | 30698    | 35.012   | ug/l   | 93       |
| 71) Bromoform                  | 12.37 | 173  | 17623    | 102.304  | ug/l # | 95       |
| 73) Isopropylbenzene           | 12.48 | 105  | 40716    | 37.571   | ug/l   | 99       |
| 74) N-amyl acetate             | 12.30 | 43   | 12999    | 53.982   | ug/l   | 92       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.74 | 83   | 31724    | 162.201  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane     | 12.79 | 75   | 21639m   | 155.372  | ug/l   |          |
| 77) Bromobenzene               | 12.77 | 156  | 16207    | 60.226   | ug/l   | 75       |
| 78) n-propylbenzene            | 12.83 | 91   | 44215    | 33.951   | ug/l   | 96       |
| 79) 2-Chlorotoluene            | 12.91 | 91   | 28040    | 38.434   | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene     | 12.97 | 105  | 31344    | 35.117   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 12.54 | 75   | 8355     | 129.530  | ug/l   | 94       |
| 82) 4-Chlorotoluene            | 13.01 | 91   | 31991    | 41.304   | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.23 | 119  | 26998    | 36.089   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.27 | 105  | 30210    | 33.815   | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.41 | 105  | 31275    | 29.013   | ug/l   | 97       |
| 86) p-Isopropyltoluene         | 13.53 | 119  | 26380    | 26.760   | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene        | 13.53 | 146  | 21231    | 40.810   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.60 | 146  | 21861    | 42.577   | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.85 | 91   | 19959    | 21.972   | ug/l   | 96       |
| 90) Hexachloroethane           | 14.12 | 117  | 8910     | 44.514   | ug/l   | 91       |
| 91) 1,2-Dichlorobenzene        | 13.90 | 146  | 20919    | 46.831   | ug/l   | 93       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.52 | 75   | 5736     | 190.309  | ug/l   | 97       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD022420\  
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Sample : L1635-02MS  
Misc : 6.33G/5.00ml/MSVOA D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
DUNR-TS001-01MS

Manual Integrations  
APPROVED

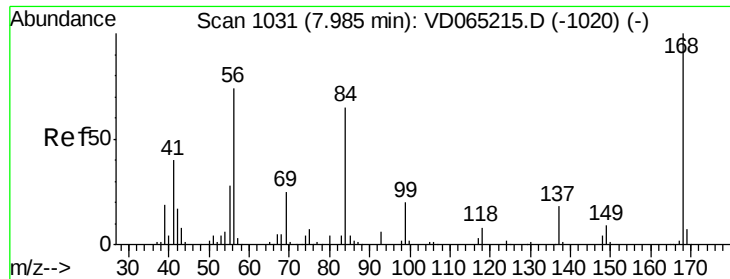
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2/25/2020 5:15:37 PM

Quant Time: Feb 25 02:09:18 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D021820S.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 19 03:26:54 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.17 | 180  | 8175     | 27.979 | ug/l  | 90       |
| 94) Hexachlorobutadiene    | 15.28 | 225  | 5248     | 27.999 | ug/l  | 93       |
| 95) Naphthalene            | 15.41 | 128  | 27891    | 58.718 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.61 | 180  | 8960     | 35.112 | ug/l  | 95       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

Instrument :

MSVOA\_D

ClientSampleId :

DUNR-TS001-01MS

Tot Ion:168 Resp: 27825

Ion Ratio Lower Upper

168 100

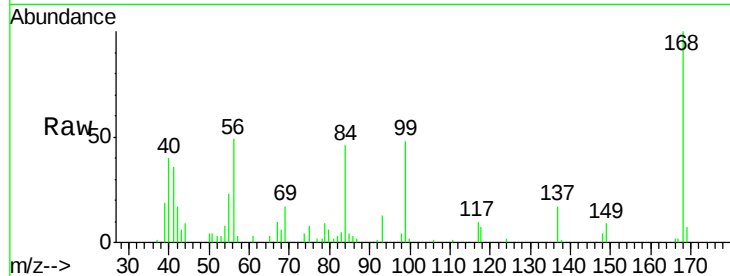
99 48.3 41.4 62.2

Manual Integrations

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2/25/2020 5:15:37 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

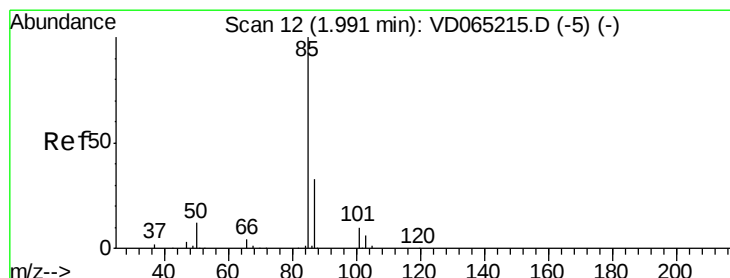
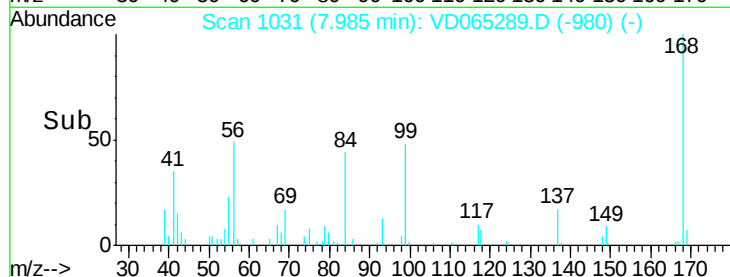
7.98

10000

5000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.579 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065289.D

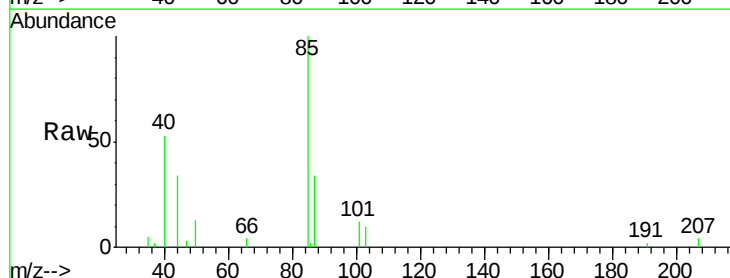
Acq: 24 Feb 2020 12:38

Tgt Ion: 85 Resp: 11804

Ion Ratio Lower Upper

85 100

87 33.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

10000

8000

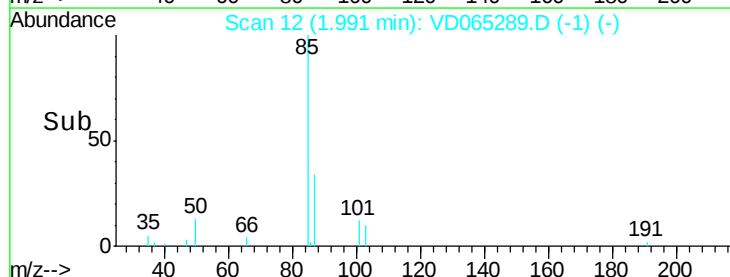
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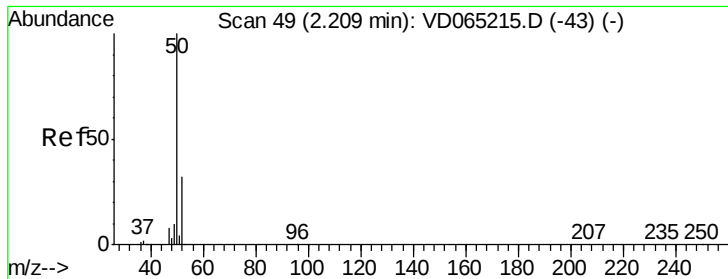
4000

2000

0

Time-->





#3

Chloromethane

Concen: 54.856 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

Instrument :

MSVOA\_D

ClientSampleId :

DUNR-TS001-01MS

Tot Ion: 50 Resp: 16295

Ion Ratio Lower Upper

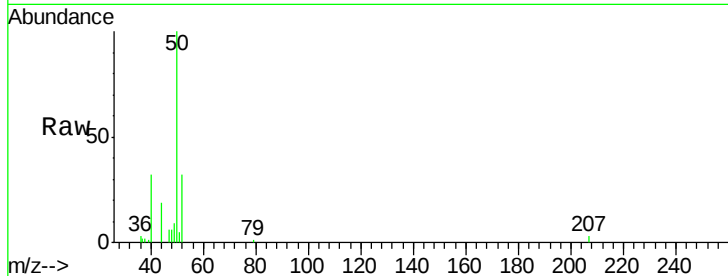
50 100

52 31.6 25.5 38.3

Manual Integrations  
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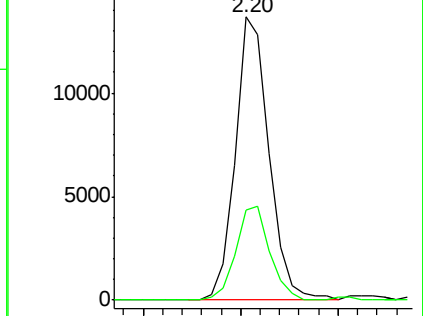
MMDadoda

2/25/2020 5:15:37 PM

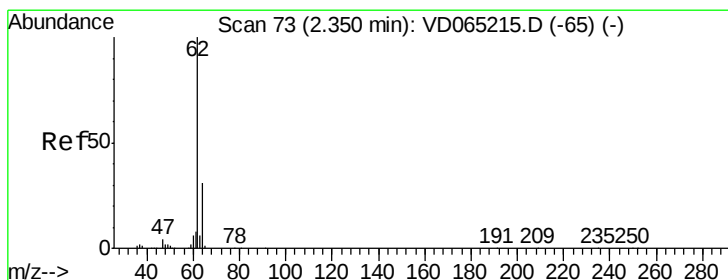
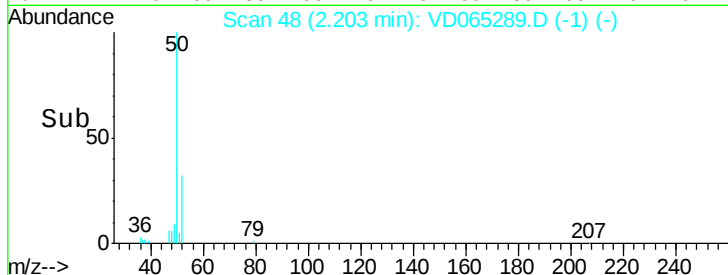


Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



Time-->



#4

Vinyl Chloride

Concen: 48.679 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065289.D

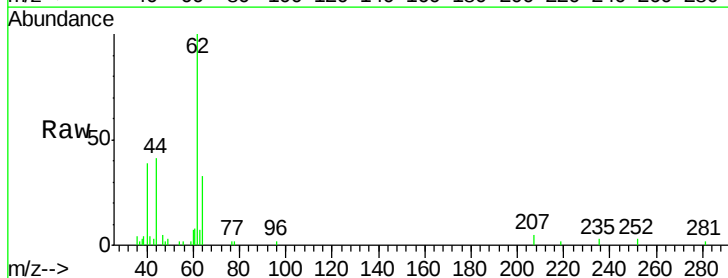
Acq: 24 Feb 2020 12:38

Tgt Ion: 62 Resp: 14704

Ion Ratio Lower Upper

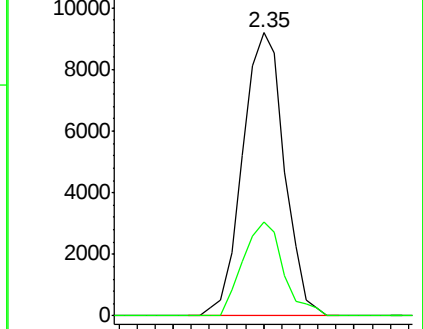
62 100

64 33.1 25.0 37.6

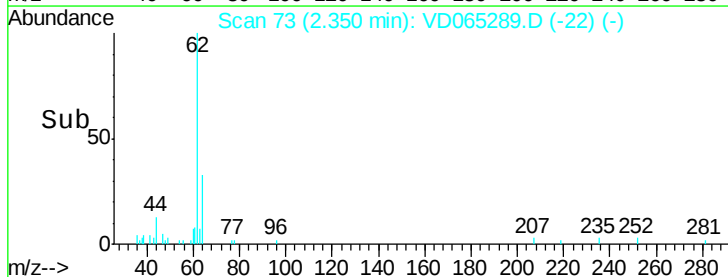


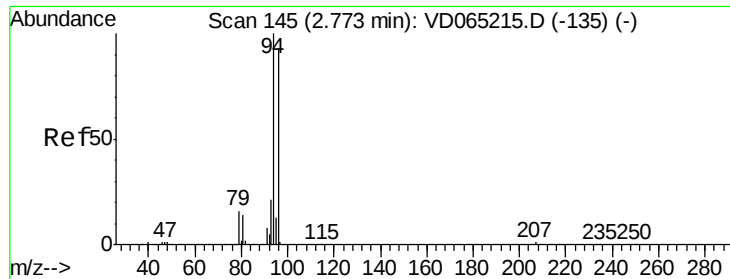
Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC



Time-->





#5

Bromomethane

Concen: 71.044 ug/l

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

Instrument :

MSVOA\_D

ClientSampleId :

DUNR-TS001-01MS

Tot Ion: 94 Resp: 12975

Ion Ratio Lower Upper

94 100

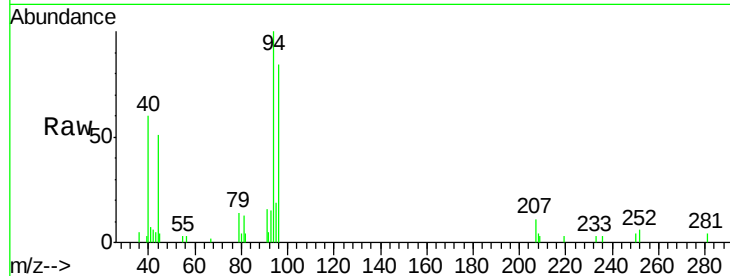
96 83.7 74.2 111.4

Manual Integrations

APPROVED

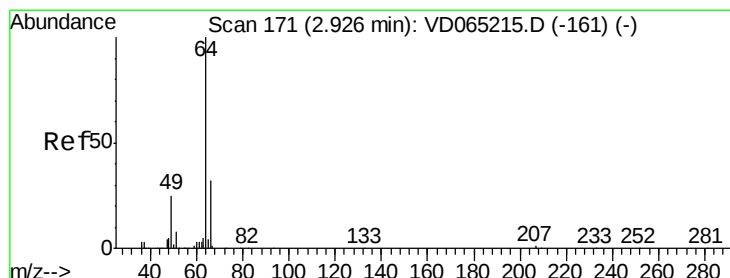
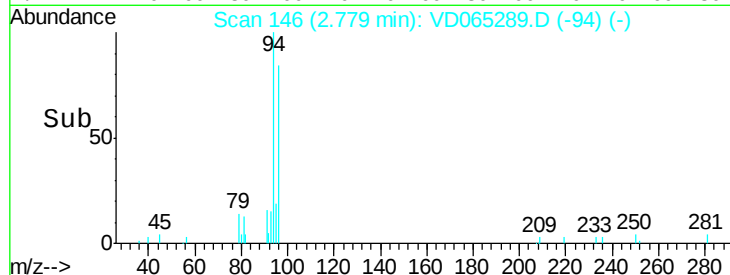
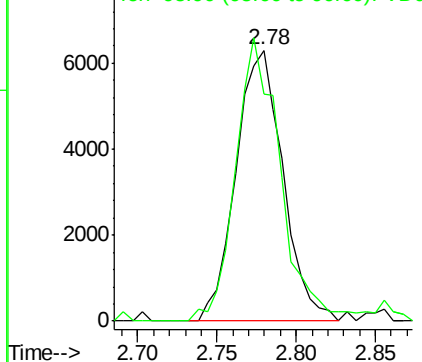
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 55.961 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065289.D

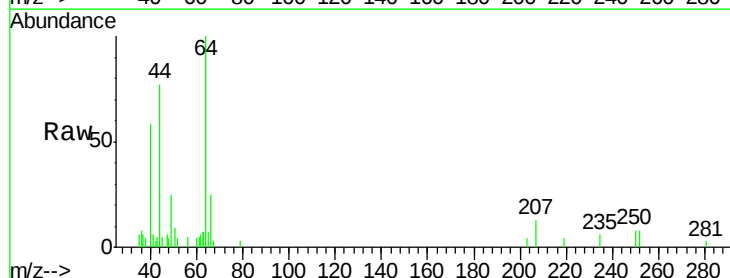
Acq: 24 Feb 2020 12:38

Tgt Ion: 64 Resp: 10318

Ion Ratio Lower Upper

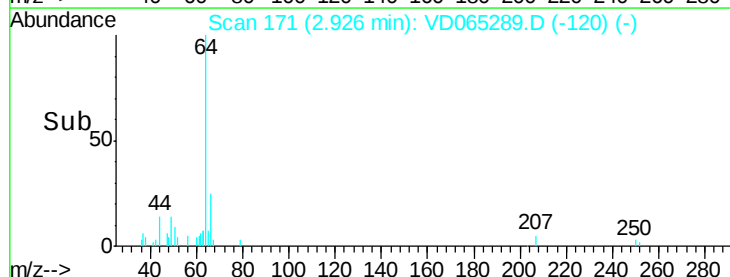
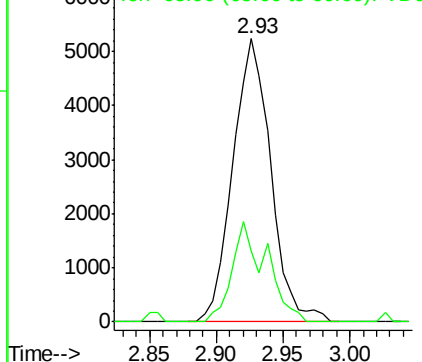
64 100

66 25.1 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

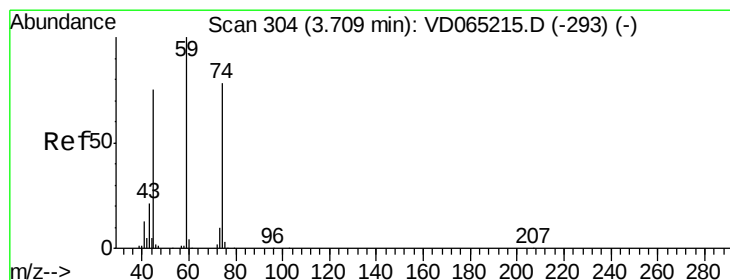
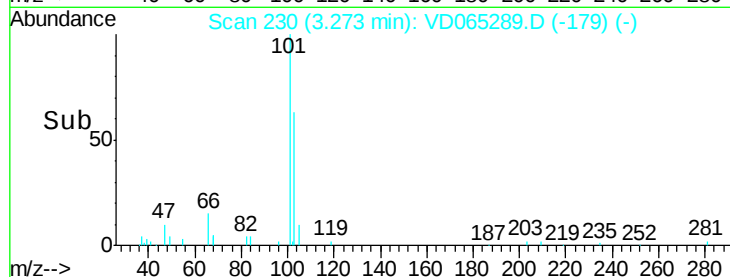
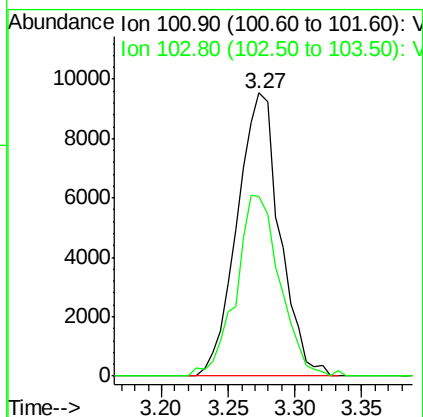
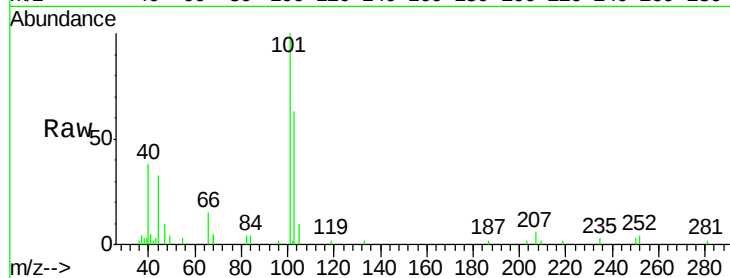
Trichlorofluoromethane  
Concen: 49.009 ug/l  
RT: 3.27 min Scan# 230  
Delta R.T. 0.00 min  
Lab File: VD065289.D  
Acq: 24 Feb 2020 12:38

Instrument :  
MSVOA\_D  
ClientSampleId :  
DUNR-TS001-01MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 63.3  | 50.7  | 76.1  |

Manual Integrations  
APPROVED

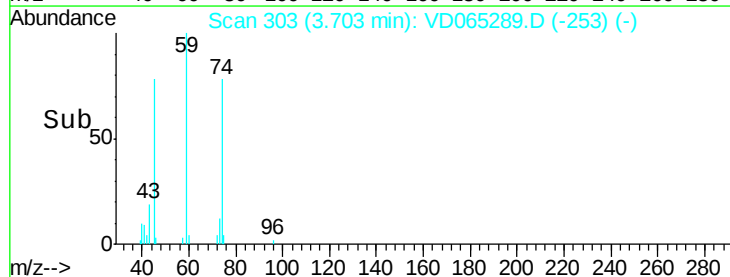
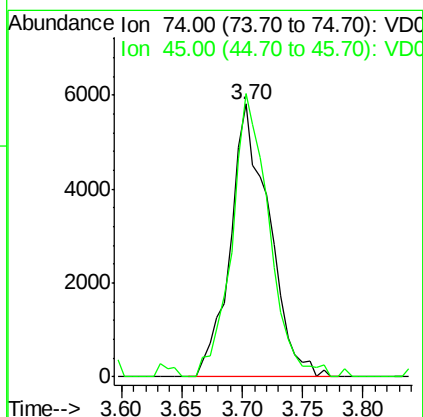
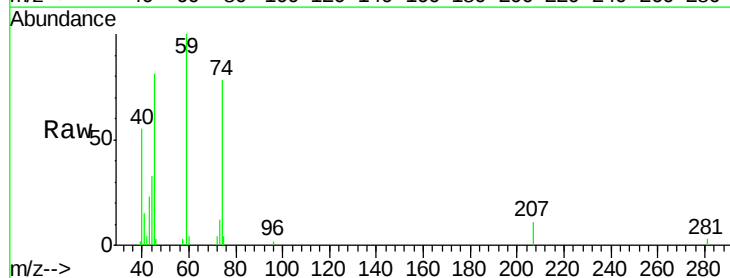
MMDadoda  
2/25/2020 5:15:37 PM



#8

Diethyl Ether  
Concen: 100.017 ug/l  
RT: 3.70 min Scan# 303  
Delta R.T. -0.01 min  
Lab File: VD065289.D  
Acq: 24 Feb 2020 12:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 99.2  | 50.0  | 149.8 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.493 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

Instrument :

MSVOA\_D

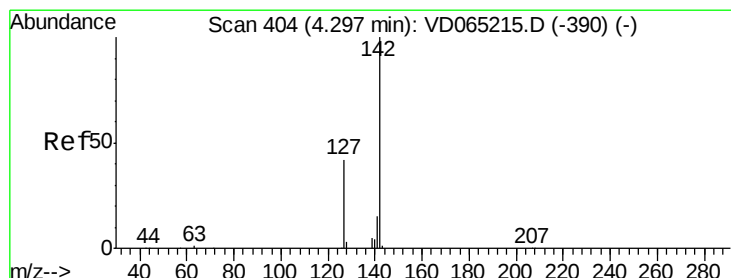
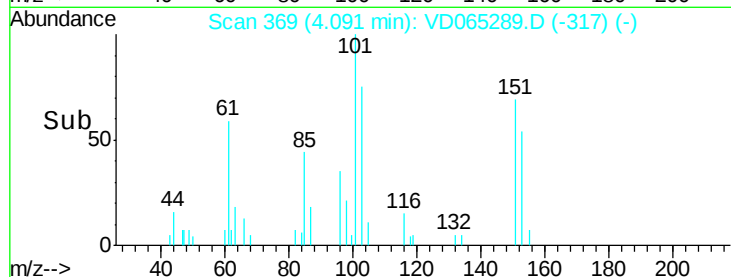
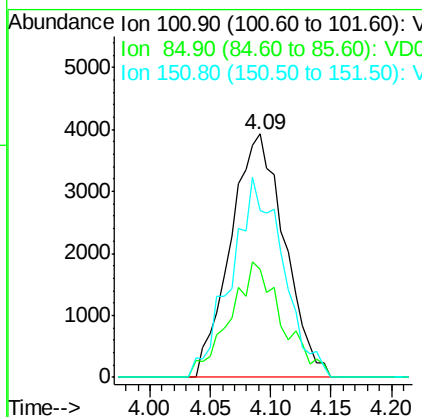
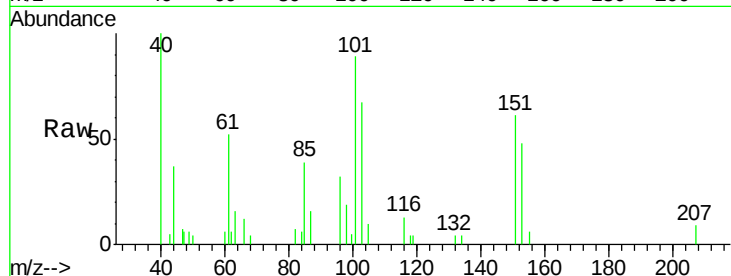
ClientSampleId :

DUNR-TS001-01MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 12151 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 46.3  | 34.2  | 51.2  |
| 151       | 79.0  | 63.5  | 95.3  |

Manual Integrations  
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2/25/2020 5:15:37 PM



#10

Methyl Iodide

Concen: 53.560 ug/l

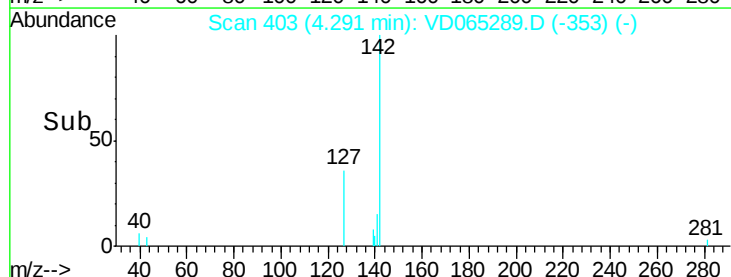
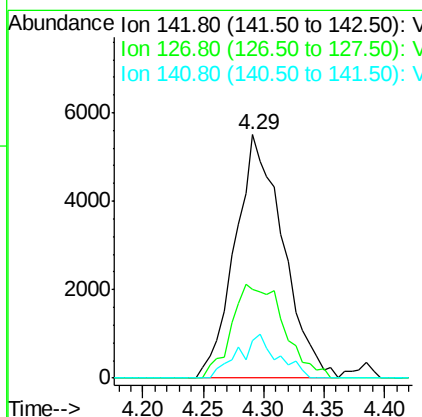
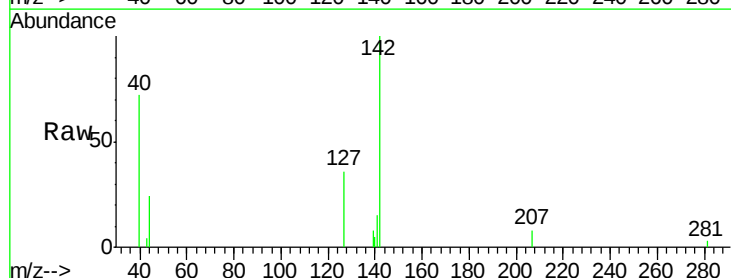
RT: 4.29 min Scan# 403

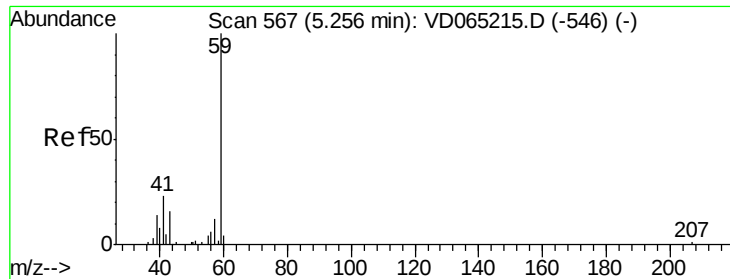
Delta R.T. -0.01 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 15187 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 42.1  | 33.8  | 50.8  |
| 141       | 14.8  | 11.7  | 17.5  |





#11

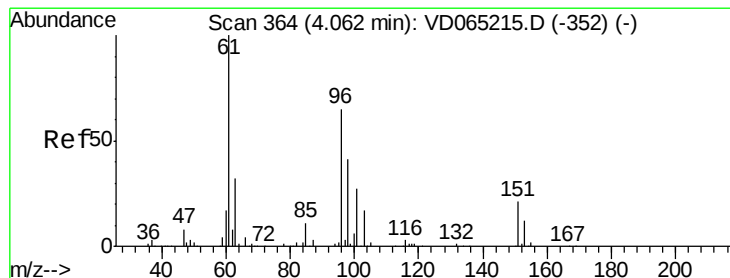
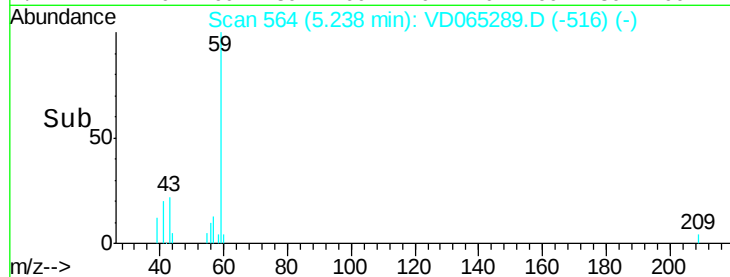
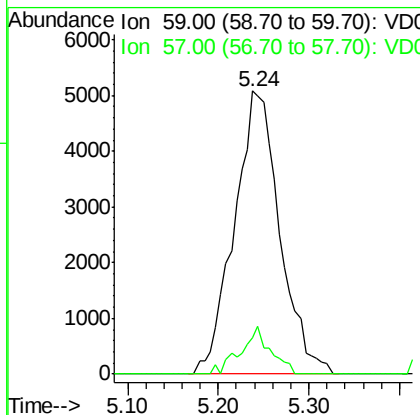
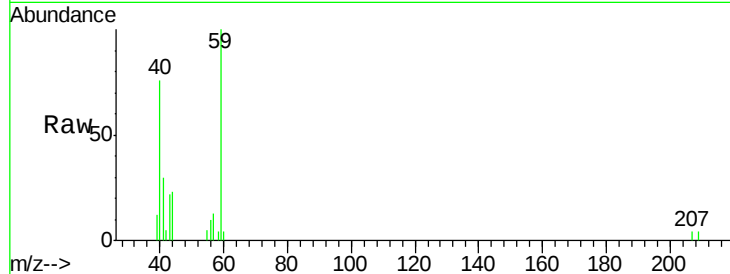
Tert butyl alcohol  
Concen: 1185.190 ug/l  
RT: 5.24 min Scan# 564  
Delta R.T. -0.02 min  
Lab File: VD065289.D  
Acq: 24 Feb 2020 12:38

Instrument :  
MSVOA\_D  
ClientSampleId :  
DUNR-TS001-01MS

| Tot Ion   | 59   | Resp  | 17728 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 57        | 11.0 | 8.4   | 12.6  |

Manual Integrations  
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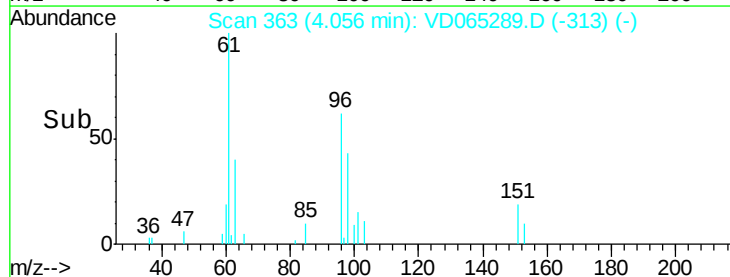
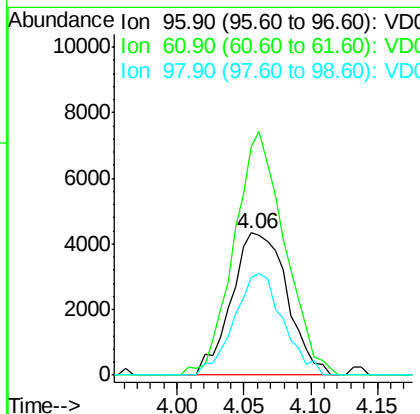
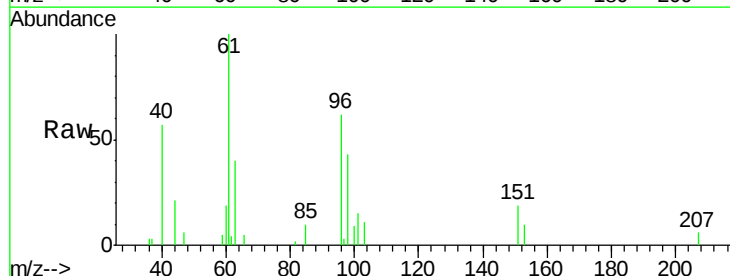
MMDadoda  
2/25/2020 5:15:37 PM

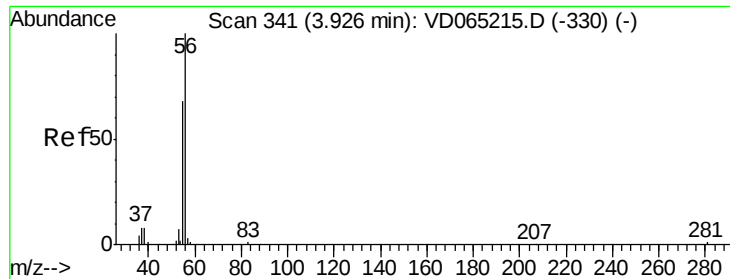


#12

1,1-Dichloroethene  
Concen: 48.465 ug/l  
RT: 4.06 min Scan# 363  
Delta R.T. -0.01 min  
Lab File: VD065289.D  
Acq: 24 Feb 2020 12:38

| Tgt Ion   | 96    | Resp  | 12503 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 61        | 160.2 | 123.3 | 184.9 |
| 98        | 68.4  | 51.0  | 76.4  |





#13

Acrolein

Concen: 989.592 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

Instrument :

MSVOA\_D

ClientSampleId :

DUNR-TS001-01MS

Tot Ion: 56 Resp: 16546

Ion Ratio Lower Upper

56 100

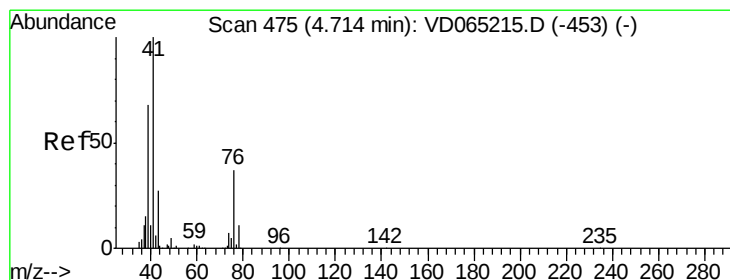
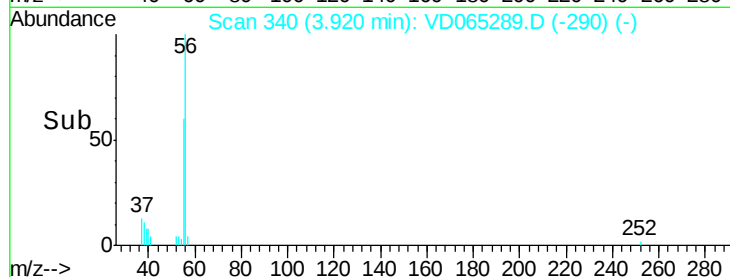
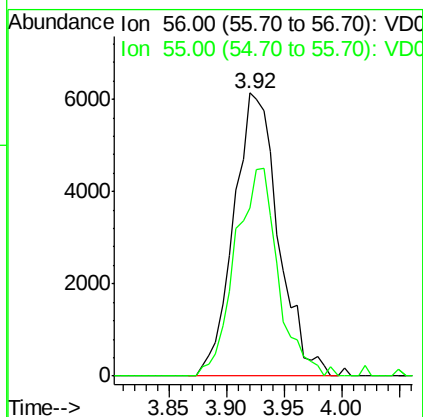
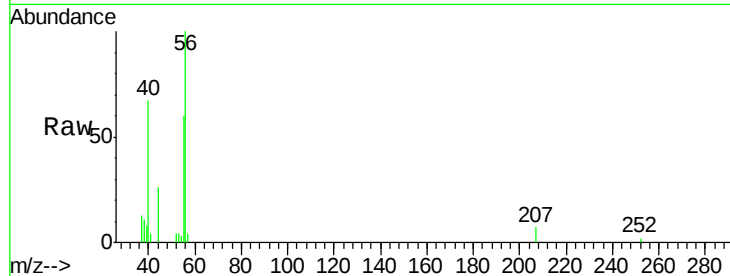
55 70.5 56.6 85.0

Manual Integrations

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2/25/2020 5:15:37 PM



#14

Allyl chloride

Concen: 67.421 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

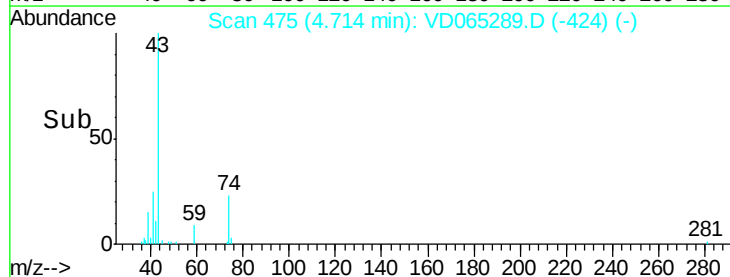
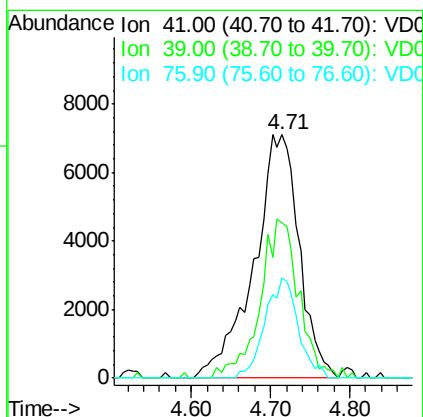
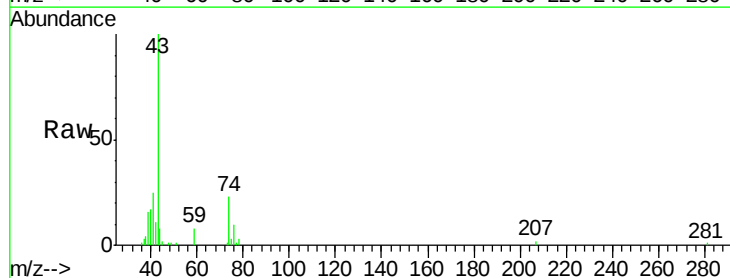
Tgt Ion: 41 Resp: 28245

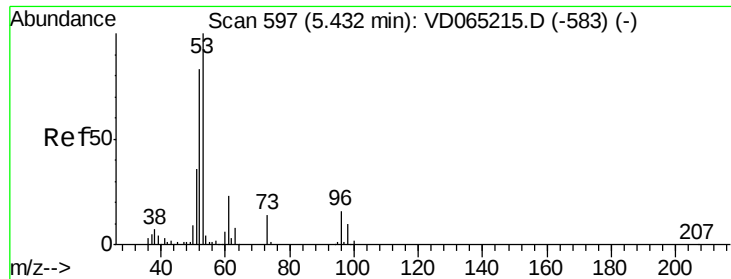
Ion Ratio Lower Upper

41 100

39 55.6 53.8 80.6

76 30.0 28.7 43.1





#15

Acrylonitrile

Concen: 1144.072 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

Instrument :

MSVOA\_D

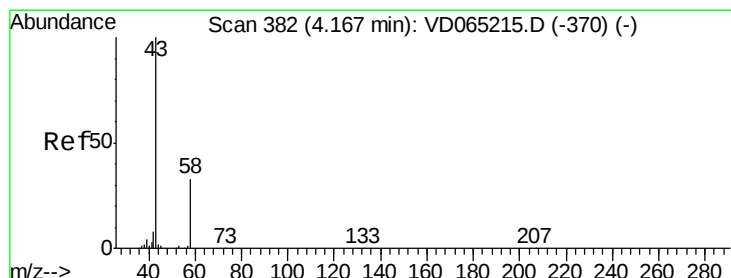
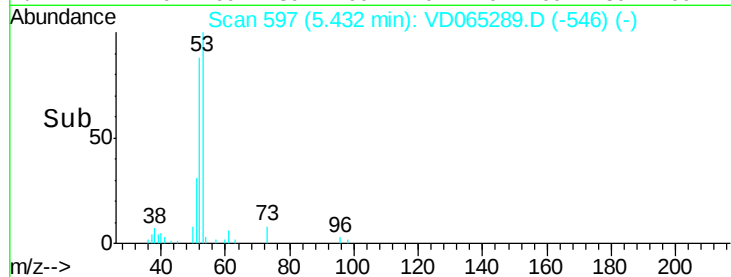
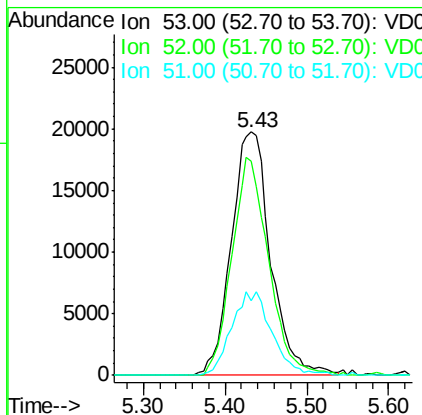
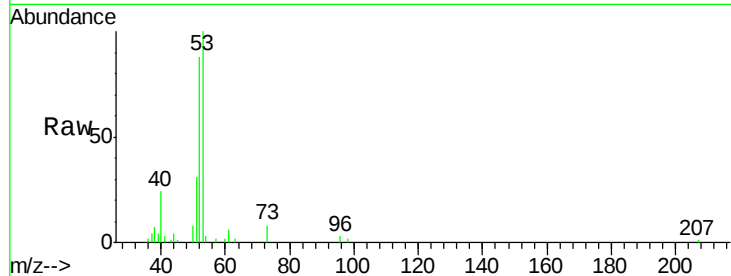
ClientSampleId :

DUNR-TS001-01MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 53    | Resp: | 66120 |
| Ion Ratio | Lower | Upper |       |
| 53        | 100   |       |       |
| 52        | 83.8  | 65.4  | 98.2  |
| 51        | 35.1  | 29.5  | 44.3  |

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2/25/2020 5:15:37 PM



#16

Acetone

Concen: 865.867 ug/l

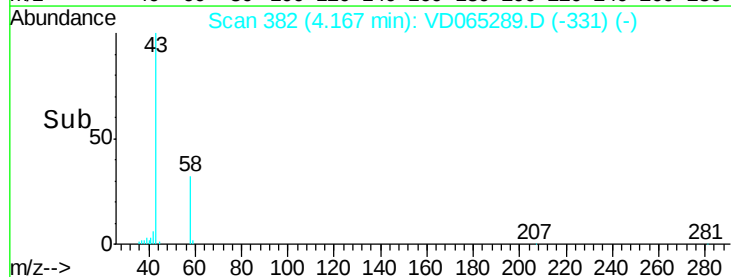
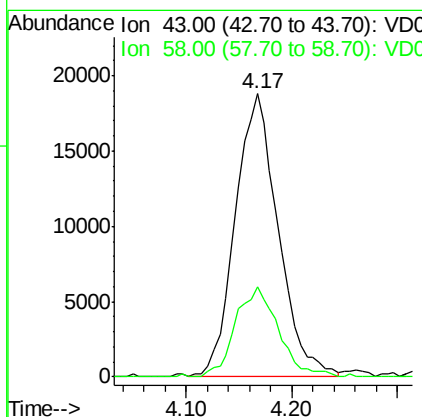
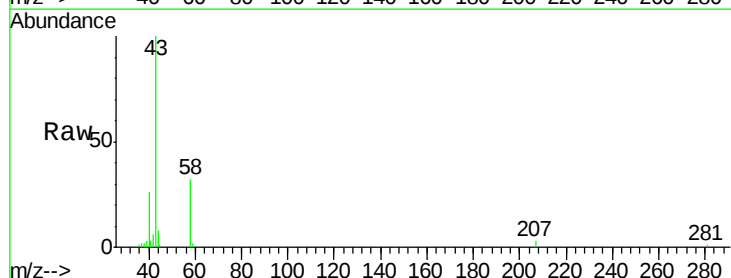
RT: 4.17 min Scan# 382

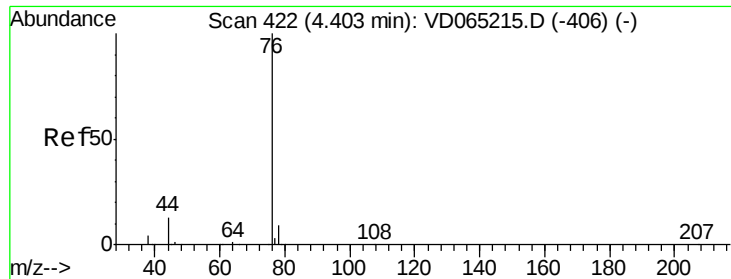
Delta R.T. 0.00 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 52982 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 58        | 31.6  | 26.2  | 39.2  |





#17

Carbon Disulfide

Concen: 46.141 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

Instrument :

MSVOA\_D

ClientSampleId :

DUNR-TS001-01MS

Tot Ion: 76 Resp: 39908

Ion Ratio Lower Upper

76 100

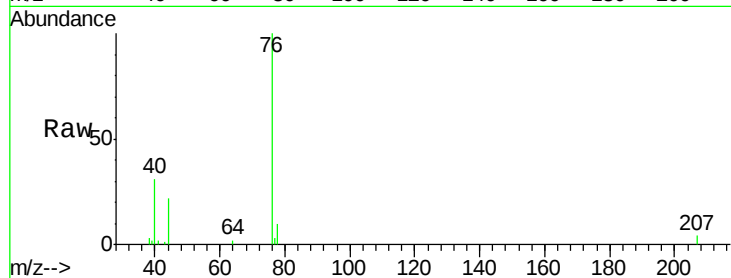
78 9.8 7.0 10.6

Manual Integrations

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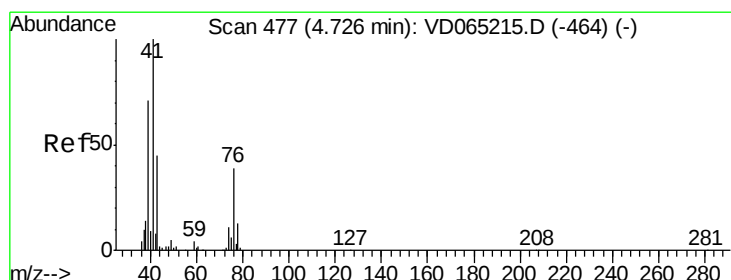
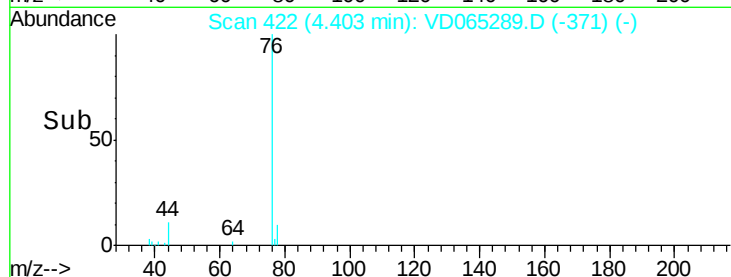
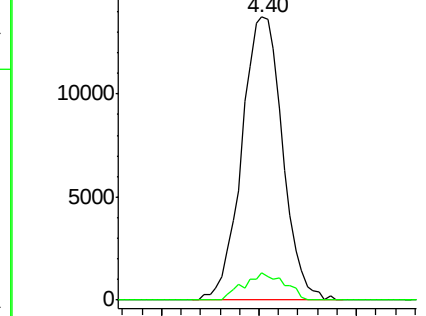
MMDadoda

2/25/2020 5:15:37 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 694.288 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065289.D

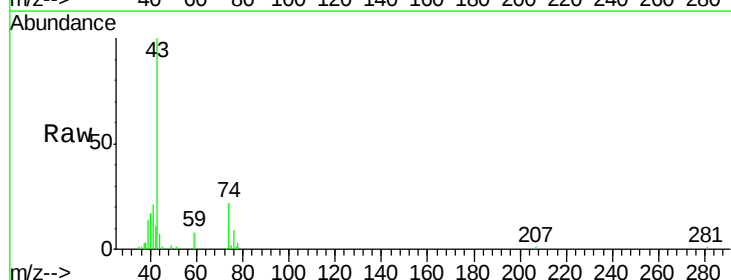
Acq: 24 Feb 2020 12:38

Tgt Ion: 43 Resp: 95548

Ion Ratio Lower Upper

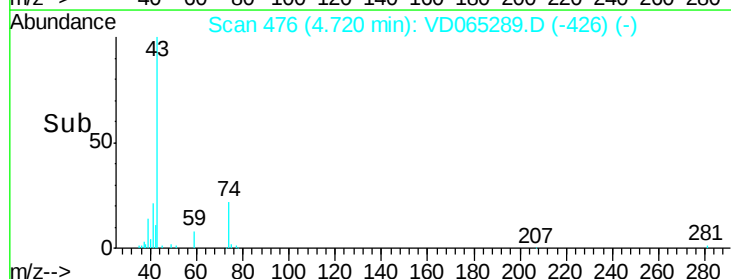
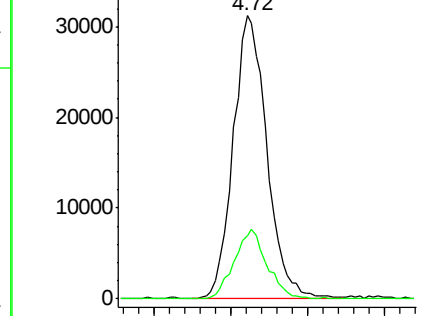
43 100

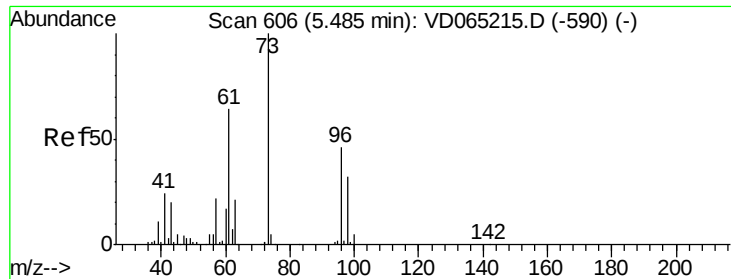
74 23.7 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





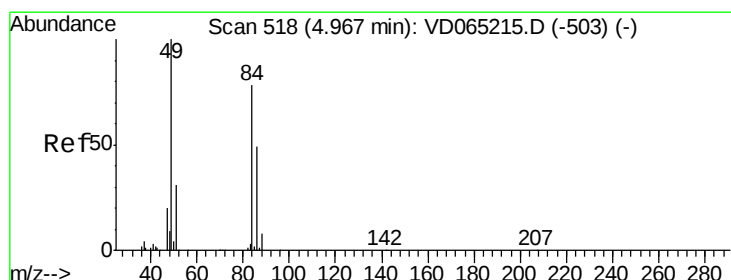
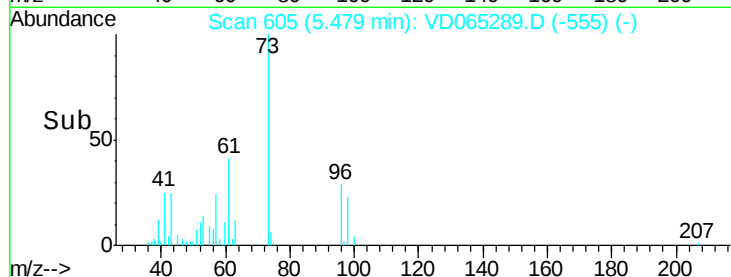
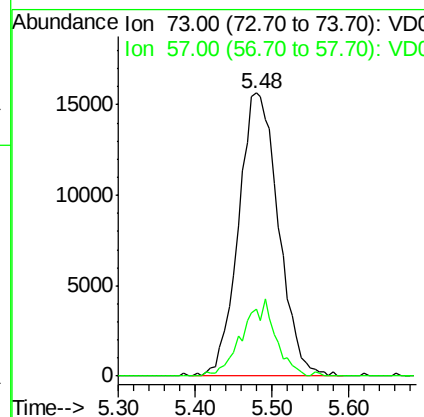
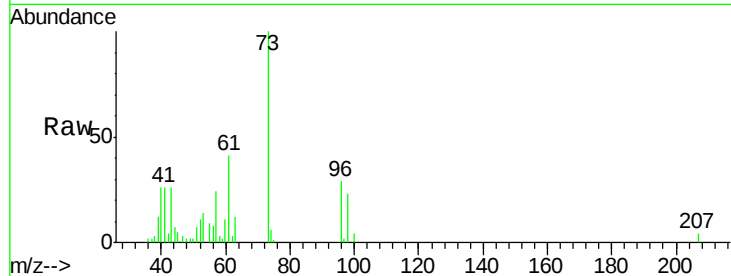
#19  
Methvl tert-butvl Ether  
Concen: 105.339 ug/l  
RT: 5.48 min Scan# 605  
Delta R.T. -0.01 min  
Lab File: VD065289.D  
Acq: 24 Feb 2020 12:38

Instrument :  
MSVOA\_D  
ClientSampleId :  
DUNR-TS001-01MS

Tot Ion: 73 Resp: 56670  
Ion Ratio Lower Upper  
73 100  
57 23.7 17.3 25.9

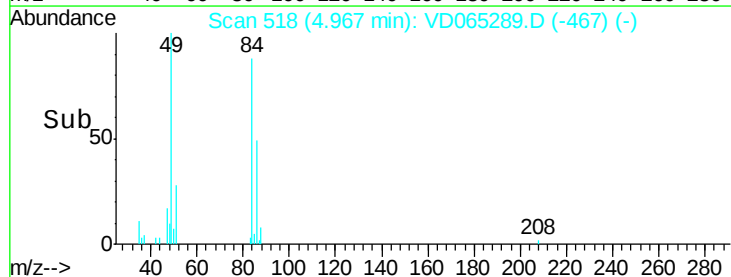
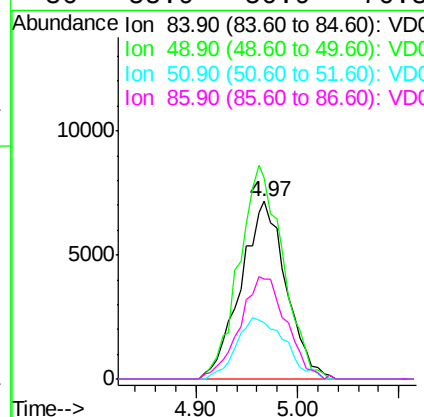
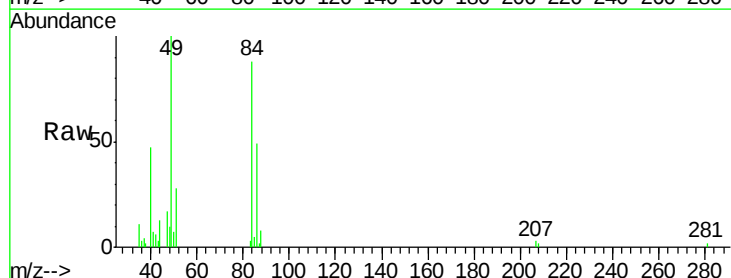
Manual Integrations  
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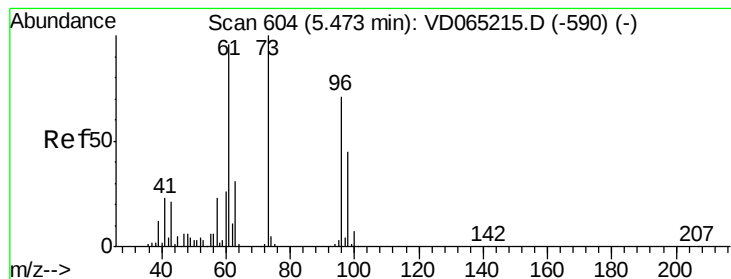
MMDadoda  
2/25/2020 5:15:37 PM



#20  
Methylene Chloride  
Concen: 85.015 ug/l  
RT: 4.97 min Scan# 518  
Delta R.T. 0.00 min  
Lab File: VD065289.D  
Acq: 24 Feb 2020 12:38

Tgt Ion: 84 Resp: 22279  
Ion Ratio Lower Upper  
84 100  
49 113.3 103.1 154.7  
51 31.9 31.7 47.5  
86 55.9 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 53.196 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

Instrument :

MSVOA\_D

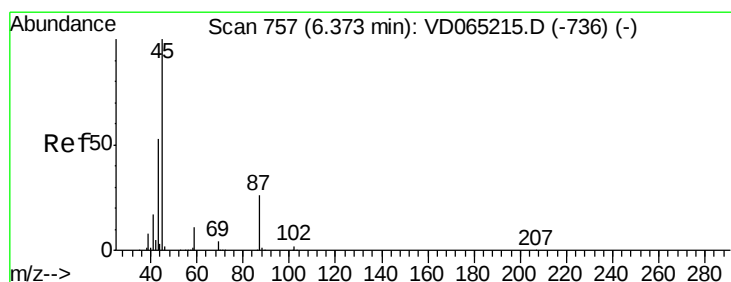
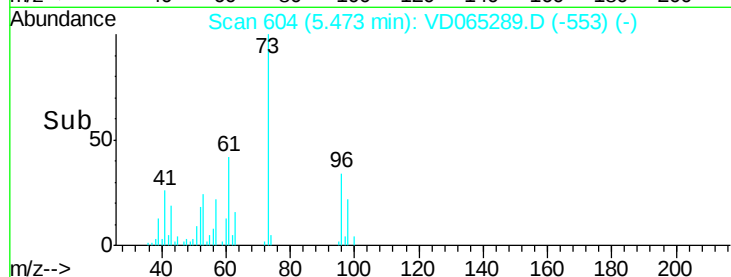
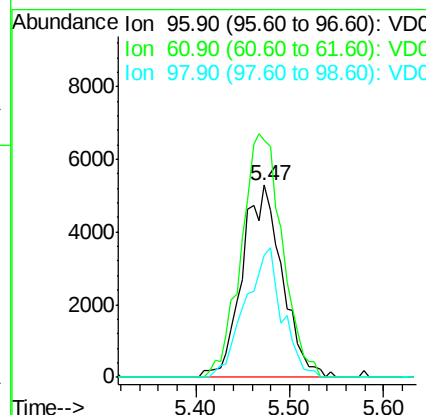
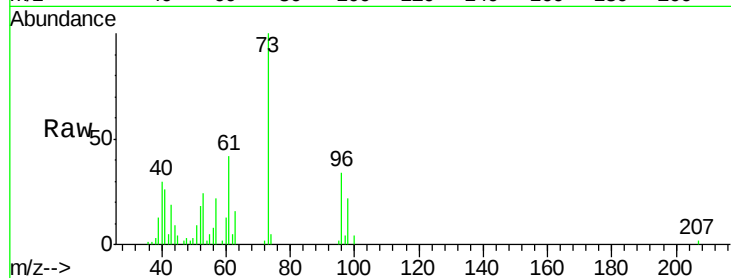
ClientSampleId :

DUNR-TS001-01MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 15601 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 123.4 | 108.3 | 162.5 |
| 98       | 63.4  | 50.7  | 76.1  |

Manual Integrations  
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#22

Diisopropyl ether

Concen: 64.738 ug/l

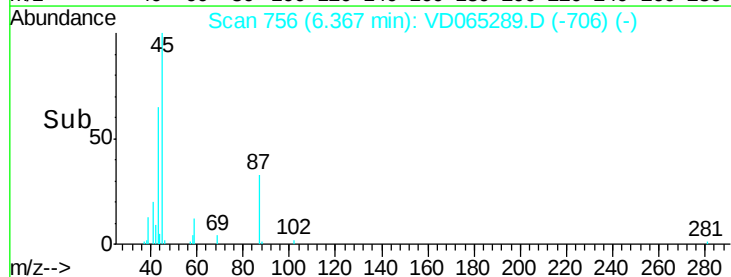
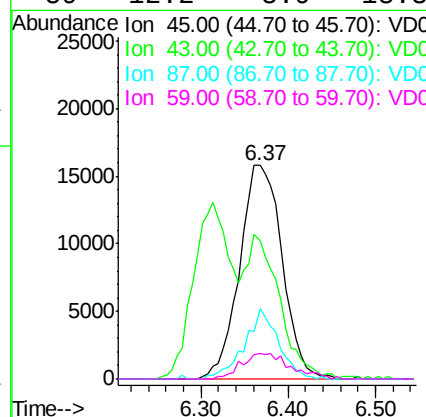
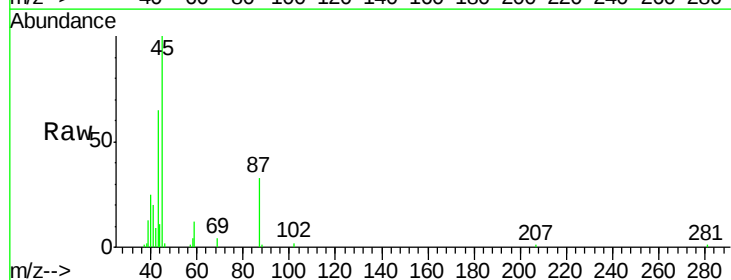
RT: 6.37 min Scan# 756

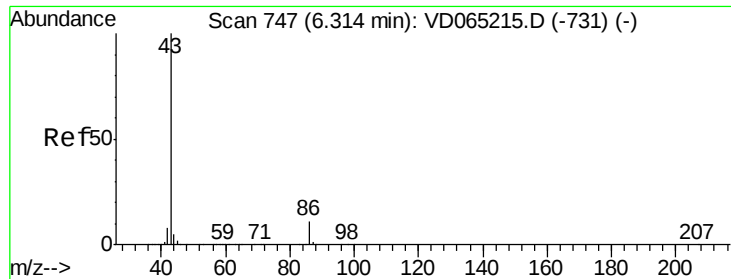
Delta R.T. -0.01 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 45    | Resp: | 52283 |
| Ion      | Ratio | Lower | Upper |
| 45       | 100   |       |       |
| 43       | 63.4  | 42.6  | 64.0  |
| 87       | 33.2  | 21.2  | 31.8# |
| 59       | 12.2  | 8.9   | 13.3  |





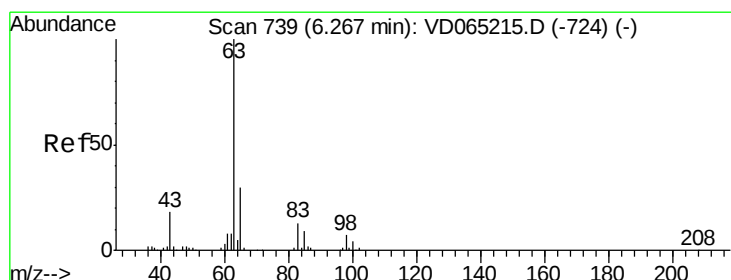
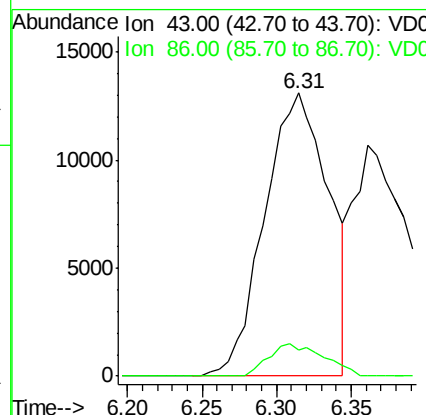
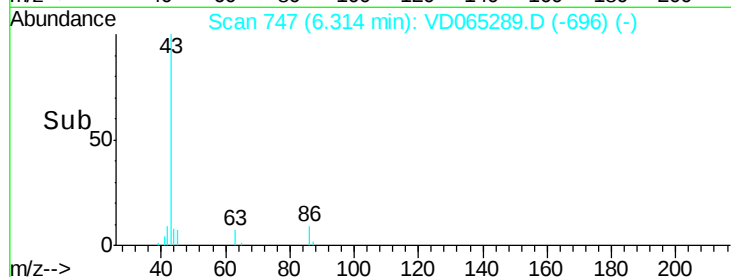
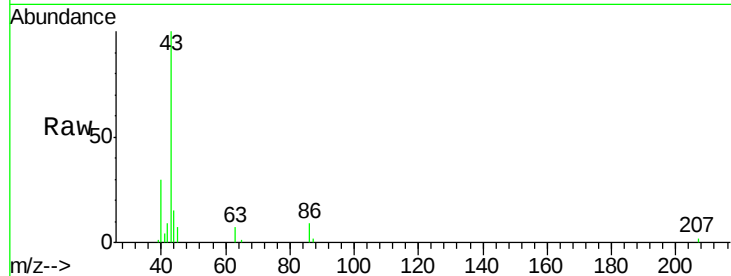
#23  
 Vinyl Acetate  
 Concen: 87.770 ug/l  
 RT: 6.31 min Scan# 747  
 Delta R.T. 0.00 min  
 Lab File: VD065289.D  
 Acq: 24 Feb 2020 12:38

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 DUNR-TS001-01MS

| Tot Ion   | 43  | Resp  | 39078 |
|-----------|-----|-------|-------|
| Ion Ratio | 100 | Lower | Upper |
| 43        | 100 |       |       |
| 86        | 9.0 | 8.6   | 12.8  |

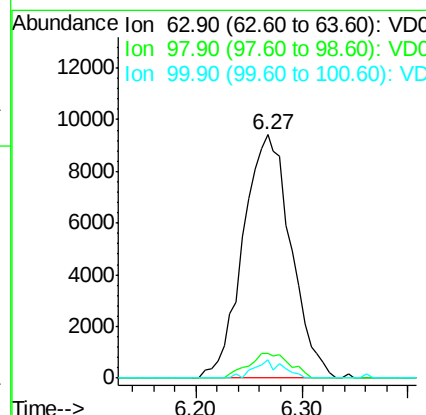
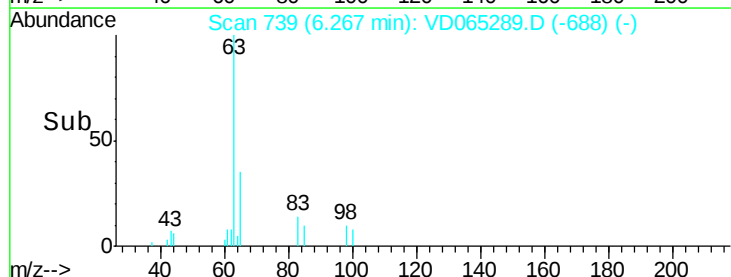
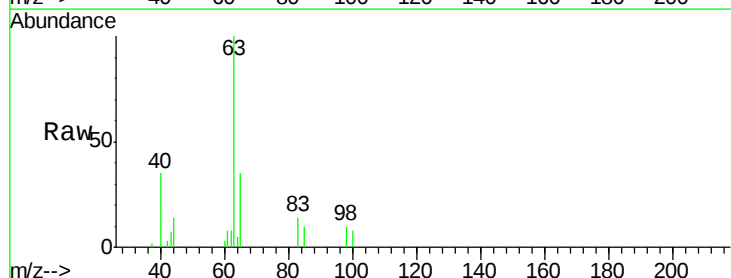
Manual Integrations  
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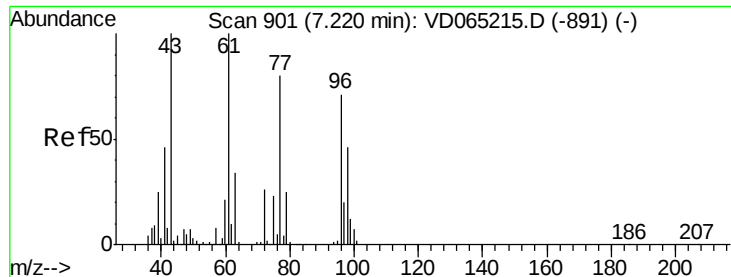
MMDadoda  
 2/25/2020 5:15:37 PM



#24  
 1,1-Dichloroethane  
 Concen: 58.944 ug/l  
 RT: 6.27 min Scan# 739  
 Delta R.T. 0.00 min  
 Lab File: VD065289.D  
 Acq: 24 Feb 2020 12:38

| Tgt Ion   | 63   | Resp  | 29527 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 63        | 100  |       |       |
| 98        | 10.0 | 3.4   | 10.1  |
| 100       | 7.5  | 2.3   | 6.8#  |





#25

2-Butanone

Concen: 1030.315 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

Instrument :

MSVOA\_D

ClientSampleId :

DUNR-TS001-01MS

Tot Ion: 43 Resp: 79765

Ion Ratio Lower Upper

43 100

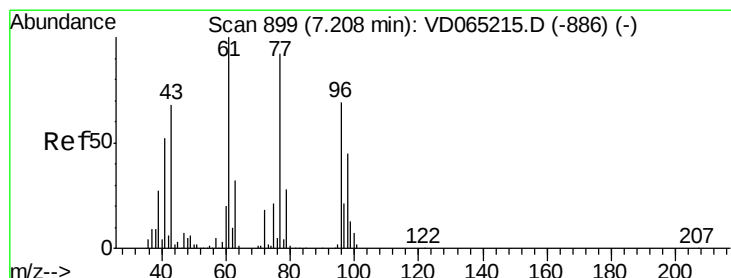
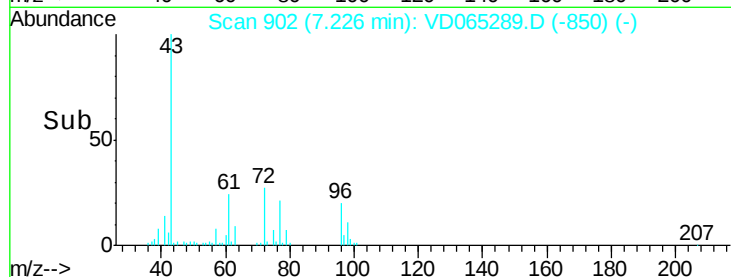
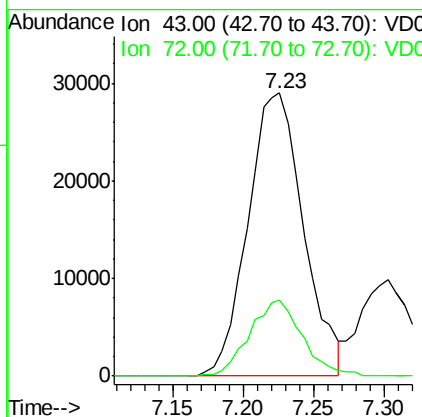
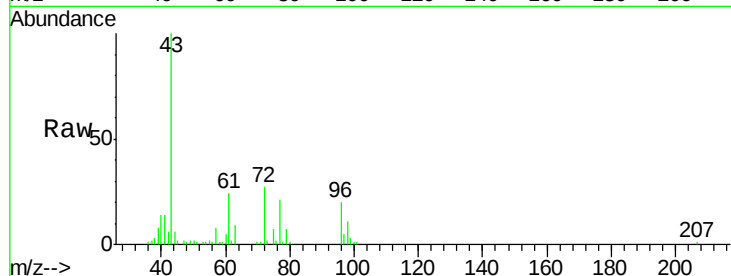
72 26.9 20.9 31.3

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#26

2,2-Dichloropropane

Concen: 49.680 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065289.D

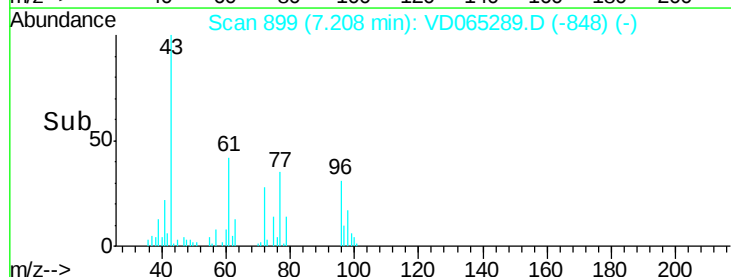
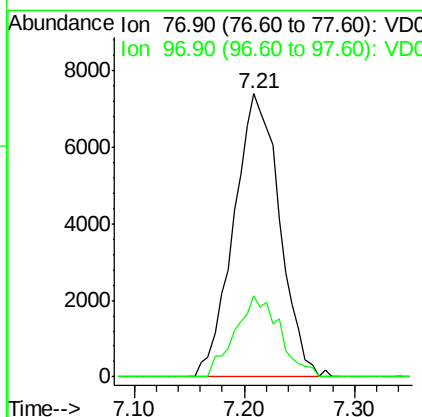
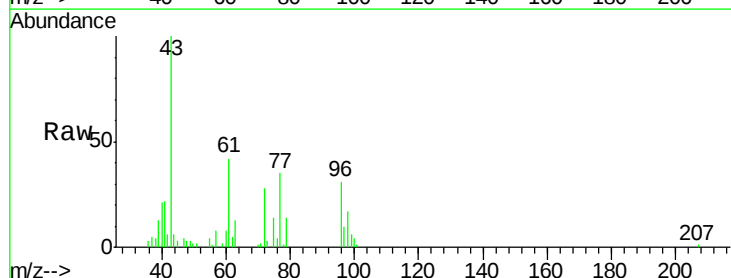
Acq: 24 Feb 2020 12:38

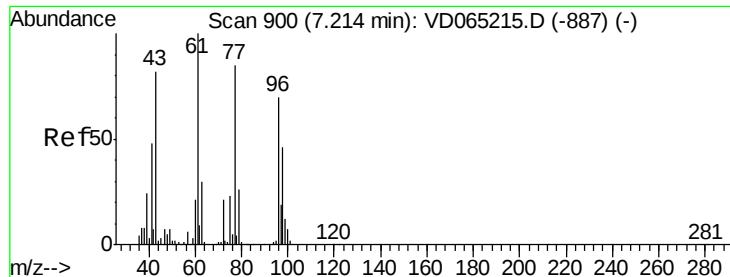
Tgt Ion: 77 Resp: 21592

Ion Ratio Lower Upper

77 100

97 27.9 11.7 35.1





#27

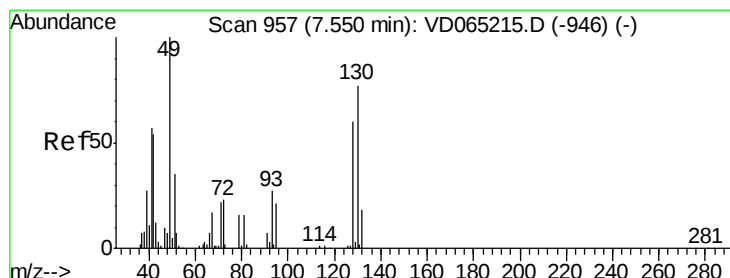
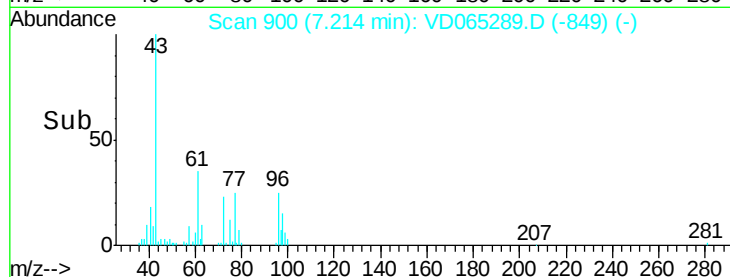
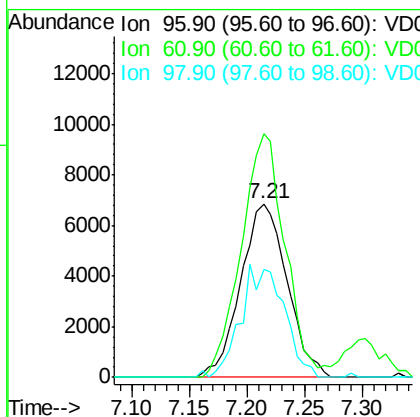
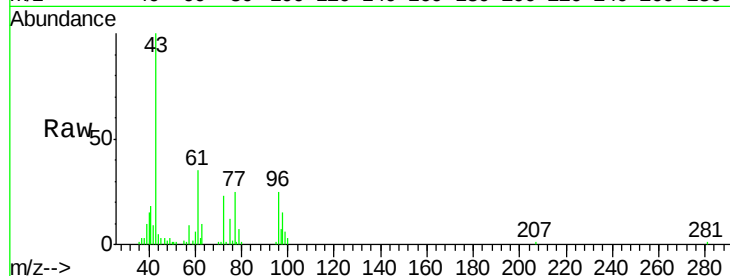
cis-1,2-Dichloroethene  
 Concen: 61.760 ug/l  
 RT: 7.21 min Scan# 900  
 Delta R.T. 0.00 min  
 Lab File: VD065289.D  
 Acq: 24 Feb 2020 12:38

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 DUNR-TS001-01MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 133.0 | 0.0   | 286.0 |
| 98      | 60.4  | 0.0   | 127.8 |

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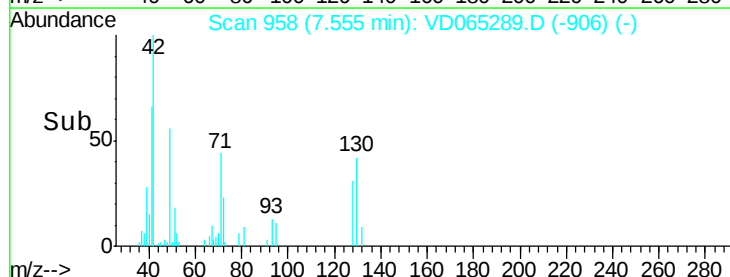
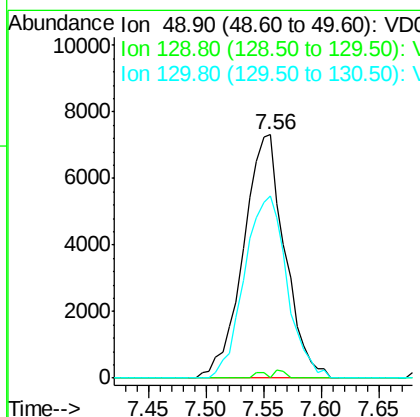
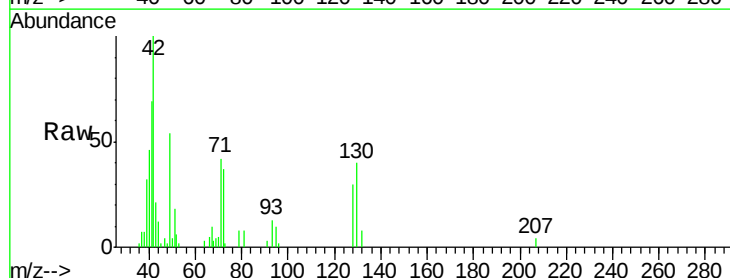
MMDadoda  
 2/25/2020 5:15:37 PM

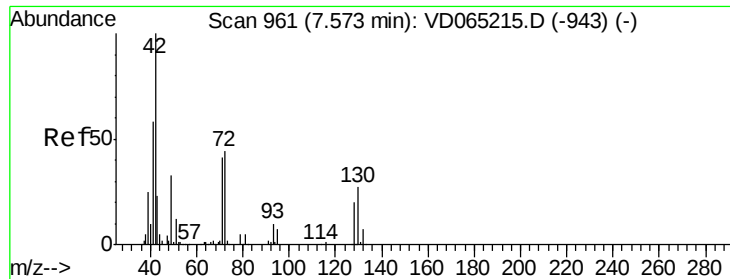


#28

Bromochloromethane  
 Concen: 98.534 ug/l  
 RT: 7.56 min Scan# 958  
 Delta R.T. 0.01 min  
 Lab File: VD065289.D  
 Acq: 24 Feb 2020 12:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 0.9   | 0.0   | 4.6   |
| 130     | 76.7  | 64.7  | 97.1  |





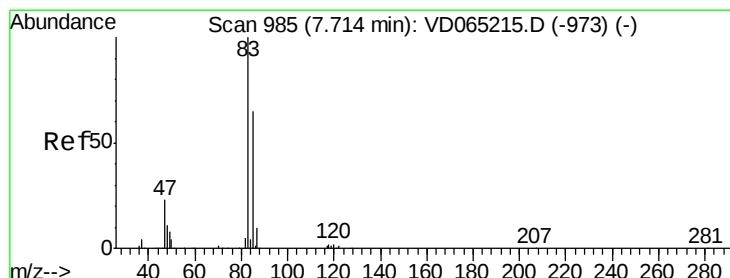
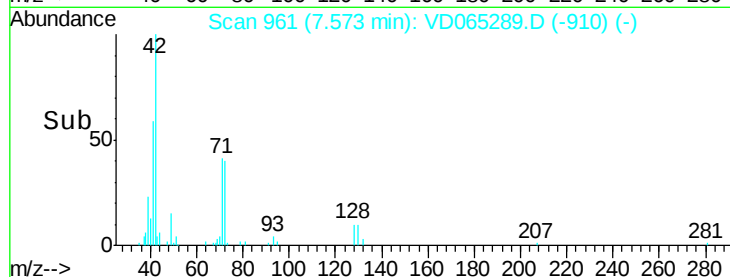
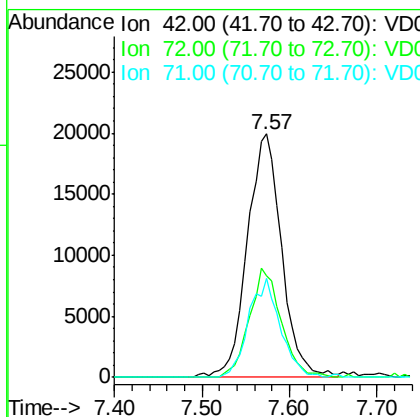
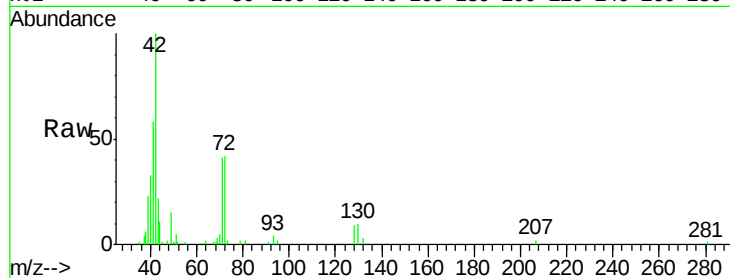
#29  
Tetrahydrofuran  
Concen: 1172.922 ug/l  
RT: 7.57 min Scan# 961  
Delta R.T. 0.00 min  
Lab File: VD065289.D  
Acq: 24 Feb 2020 12:38

Instrument :  
MSVOA\_D  
ClientSampleId :  
DUNR-TS001-01MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 41.7  | 33.7  | 50.5  |
| 71      | 37.2  | 31.4  | 47.2  |

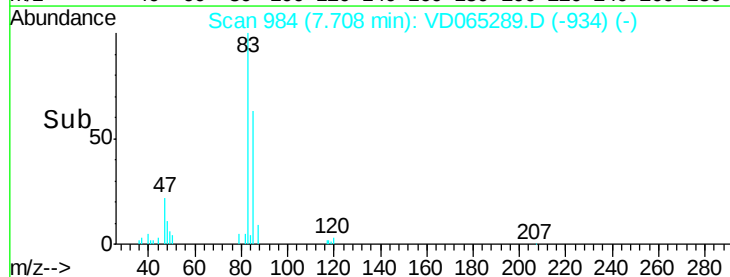
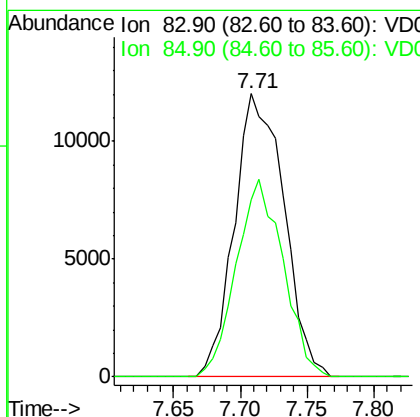
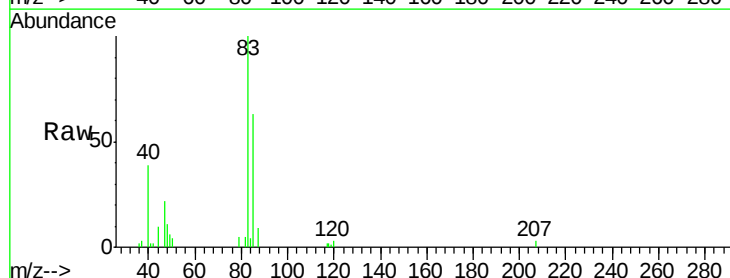
Manual Integrations  
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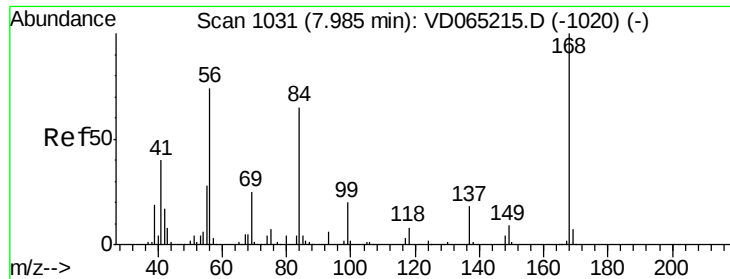
MMDadoda  
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#30  
Chloroform  
Concen: 61.418 ug/l  
RT: 7.71 min Scan# 984  
Delta R.T. -0.01 min  
Lab File: VD065289.D  
Acq: 24 Feb 2020 12:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 62.5  | 52.3  | 78.5  |





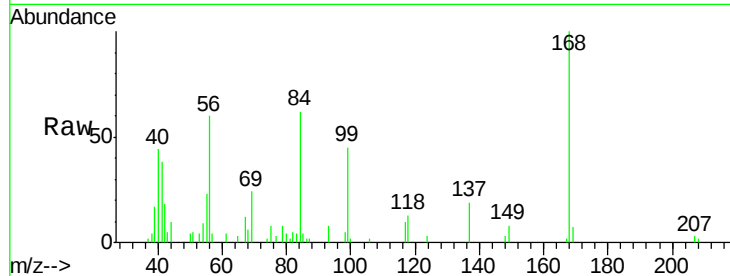
#31  
Cyclohexane  
Concen: 33.701 ug/l  
RT: 7.99 min Scan# 1032  
Delta R.T. 0.01 min  
Lab File: VD065289.D  
Acq: 24 Feb 2020 12:38

Instrument :  
MSVOA\_D  
ClientSampleId :  
DUNR-TS001-01MS

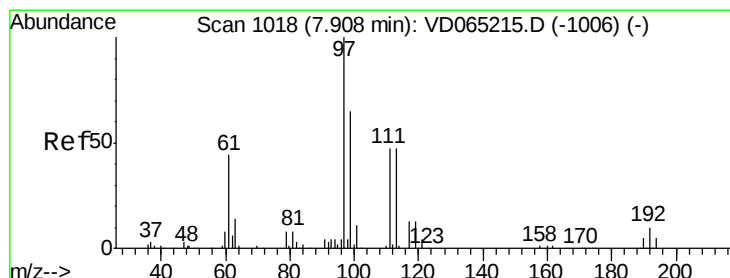
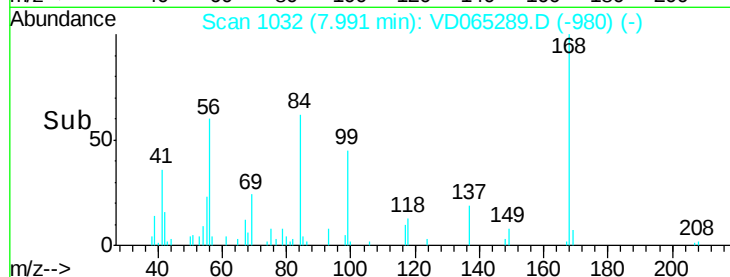
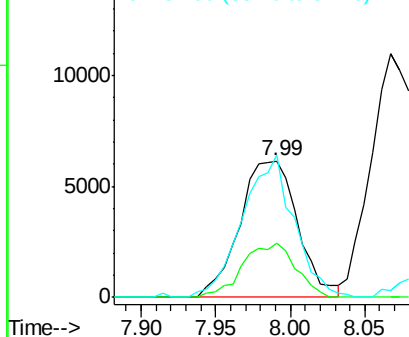
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 39.7  | 27.4  | 41.0  |
| 84      | 103.9 | 71.1  | 106.7 |

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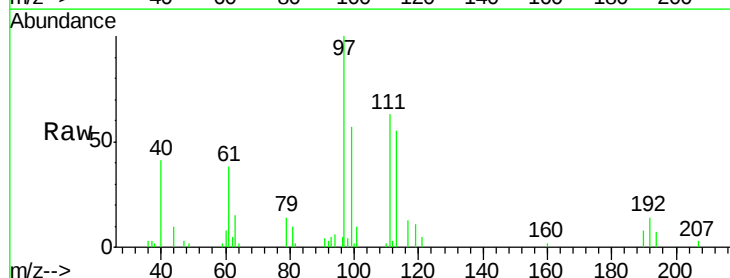


Abundance Ion 56.00 (55.70 to 56.70): VDC  
Ion 69.00 (68.70 to 69.70): VDC  
Ion 84.00 (83.70 to 84.70): VDC

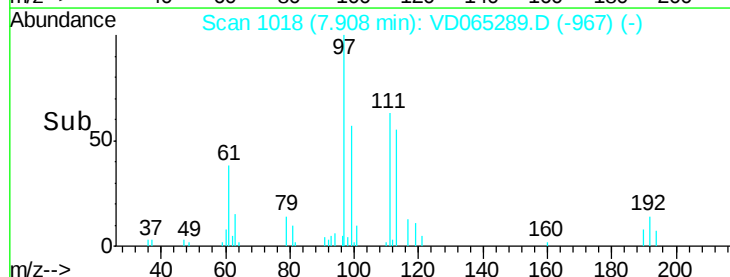
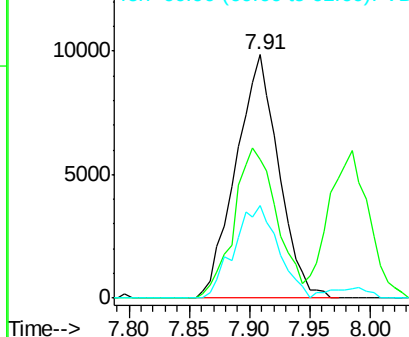


#32  
1,1,1-Trichloroethane  
Concen: 53.805 ug/l  
RT: 7.91 min Scan# 1018  
Delta R.T. 0.00 min  
Lab File: VD065289.D  
Acq: 24 Feb 2020 12:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 61.9  | 51.4  | 77.2  |
| 61      | 39.1  | 34.8  | 52.2  |



Abundance Ion 96.90 (96.60 to 97.60): VDC  
Ion 98.90 (98.60 to 99.60): VDC  
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 93.773 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

Instrument :

MSVOA\_D

ClientSampleId :

DUNR-TS001-01MS

Tot Ion: 65 Resp: 23473

Ion Ratio Lower Upper

65 100

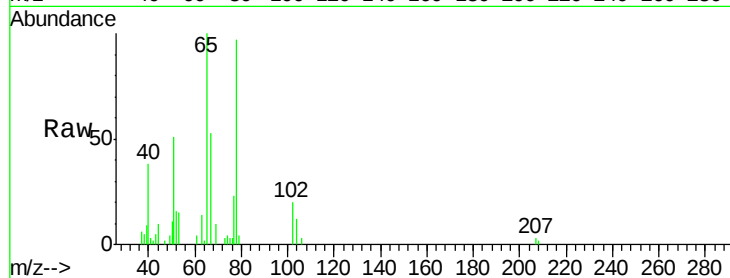
67 54.7 0.0 106.8

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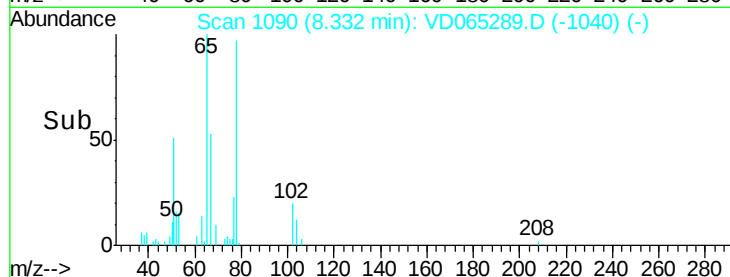


Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

Time-->



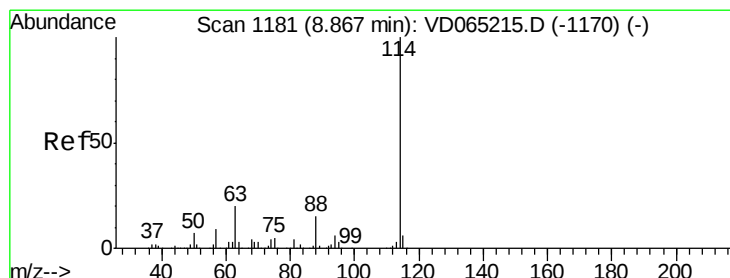
Abundance

Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

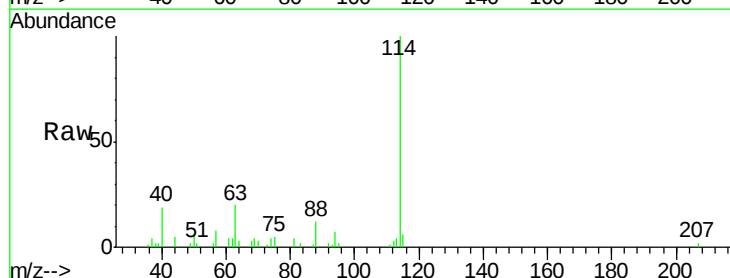
Tgt Ion: 114 Resp: 42763

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.4

88 11.5 0.0 30.4



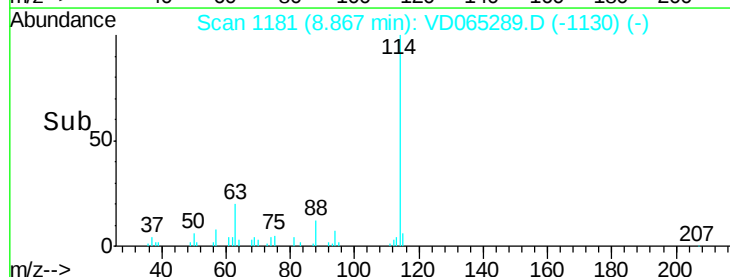
Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

Time-->



Abundance

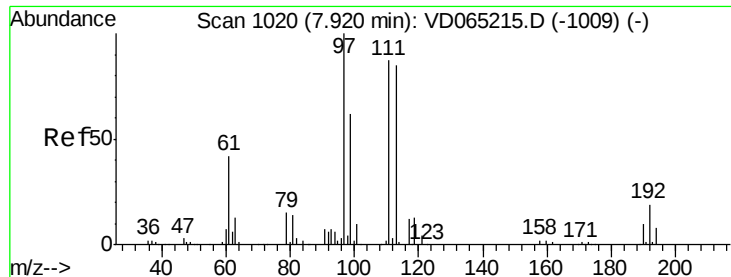
Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

Time-->



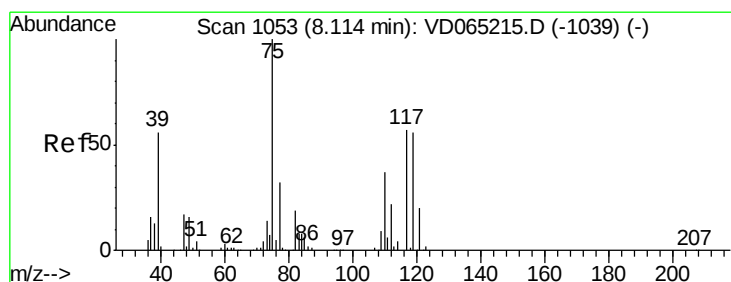
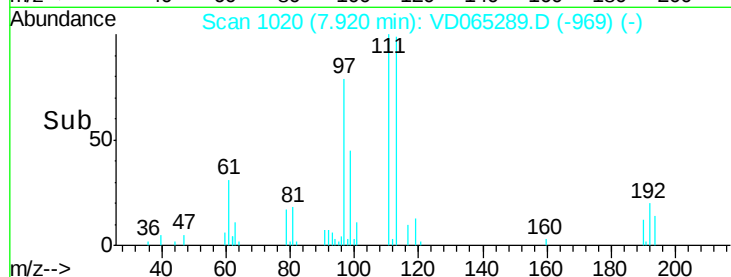
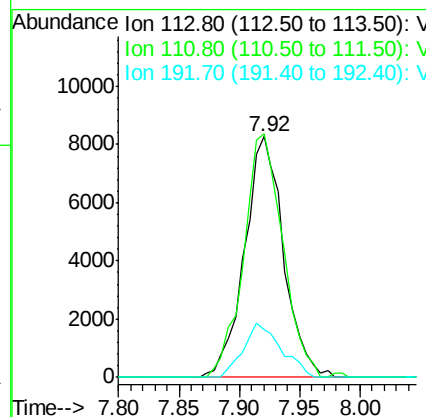
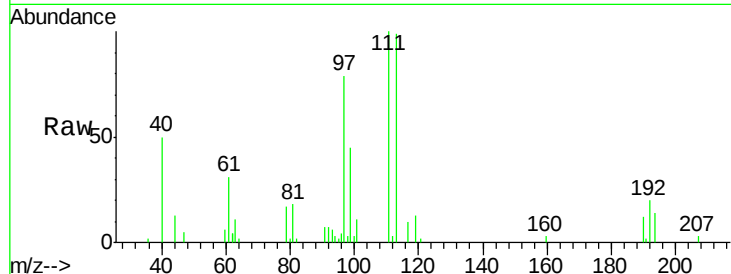
#35  
 Dibromofluoromethane  
 Concen: 71.089 ug/l  
 RT: 7.92 min Scan# 1020  
 Delta R.T. 0.00 min  
 Lab File: VD065289.D  
 Acq: 24 Feb 2020 12:38

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 DUNR-TS001-01MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.7 | 82.9  | 124.3 |
| 192     | 21.8  | 17.3  | 25.9  |

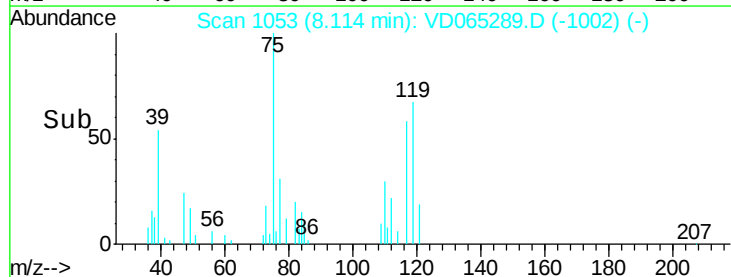
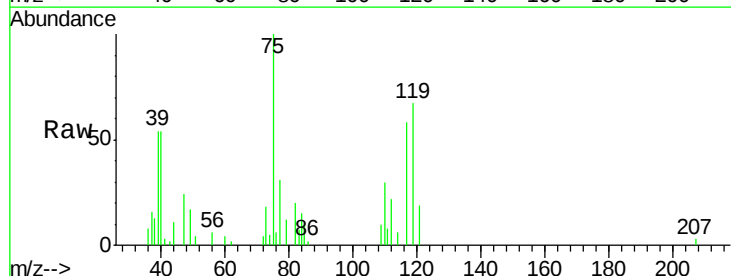
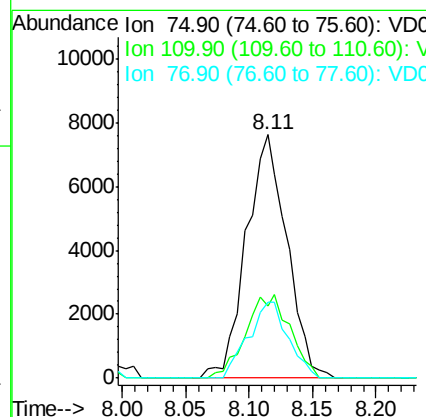
Manual Integrations  
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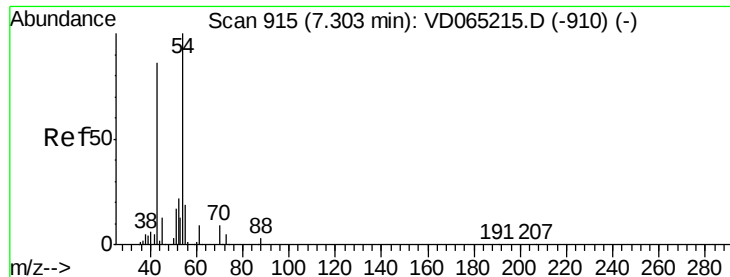
MMDadoda  
 2/25/2020 5:15:37 PM



#36  
 1,1-Dichloropropene  
 Concen: 40.847 ug/l  
 RT: 8.11 min Scan# 1053  
 Delta R.T. 0.00 min  
 Lab File: VD065289.D  
 Acq: 24 Feb 2020 12:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 37.1  | 17.9  | 53.7  |
| 77      | 30.7  | 25.1  | 37.7  |





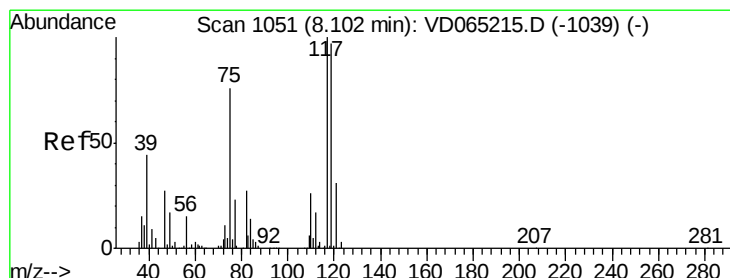
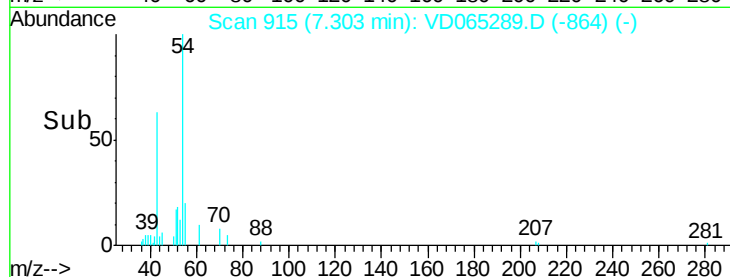
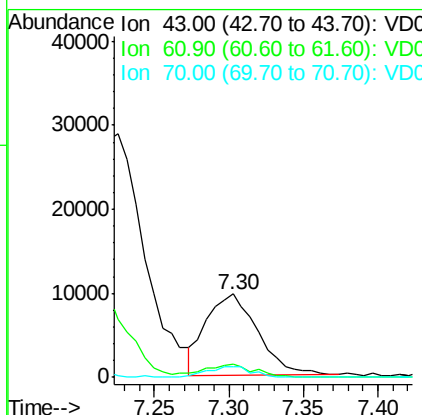
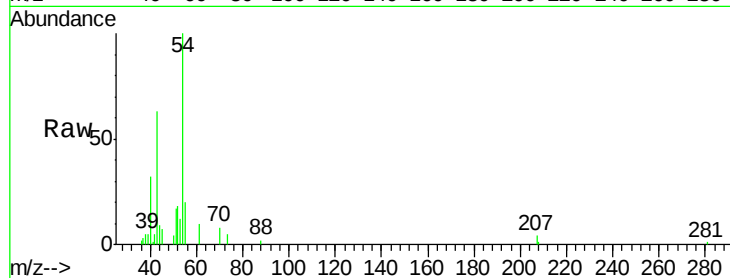
#37  
Ethyl Acetate  
Concen: 135.953 ug/l  
RT: 7.30 min Scan# 915  
Delta R.T. 0.00 min  
Lab File: VD065289.D  
Acq: 24 Feb 2020 12:38

Instrument :  
MSVOA\_D  
ClientSampleId :  
DUNR-TS001-01MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.7  | 11.2  | 16.8  |
| 70      | 11.2  | 8.2   | 12.2  |

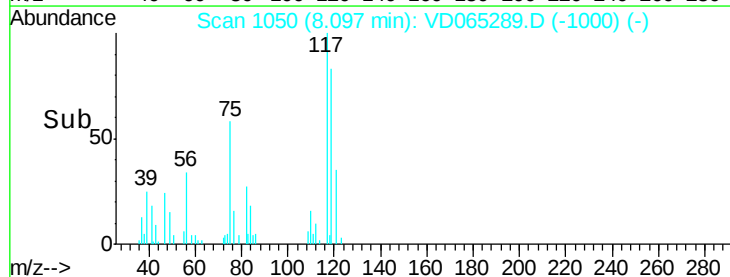
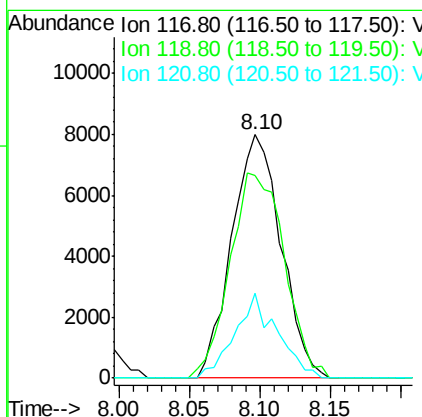
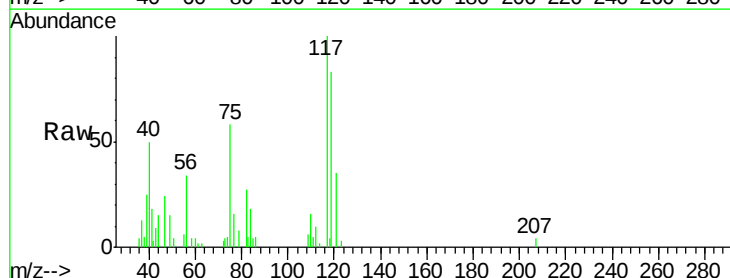
Manual Integrations  
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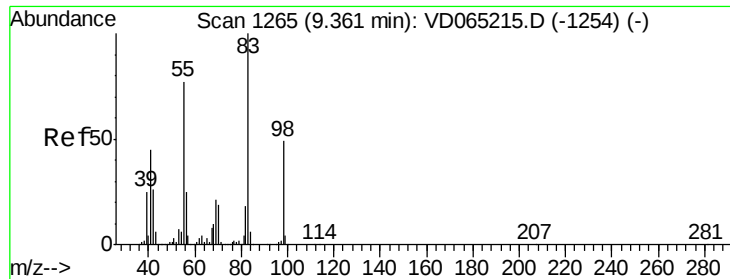
MMDadoda  
2/25/2020 5:15:37 PM



#38  
Carbon Tetrachloride  
Concen: 46.073 ug/l  
RT: 8.10 min Scan# 1050  
Delta R.T. -0.01 min  
Lab File: VD065289.D  
Acq: 24 Feb 2020 12:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 83.3  | 77.6  | 116.4 |
| 121     | 34.7  | 24.8  | 37.2  |





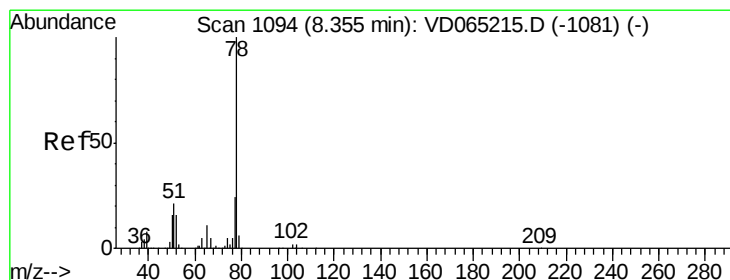
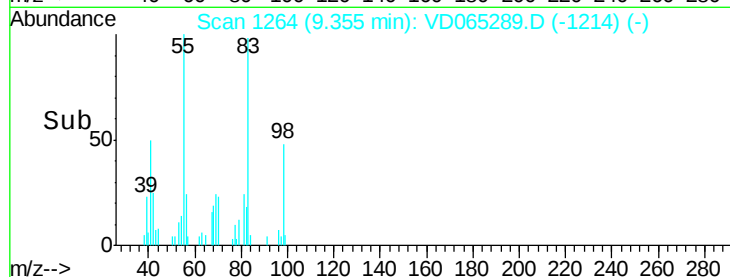
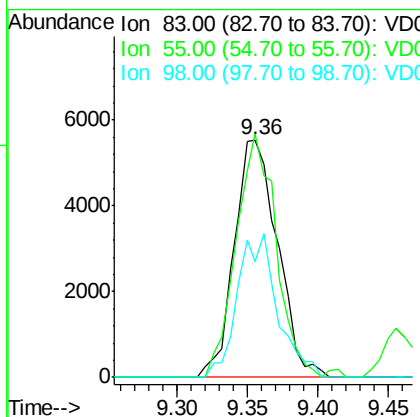
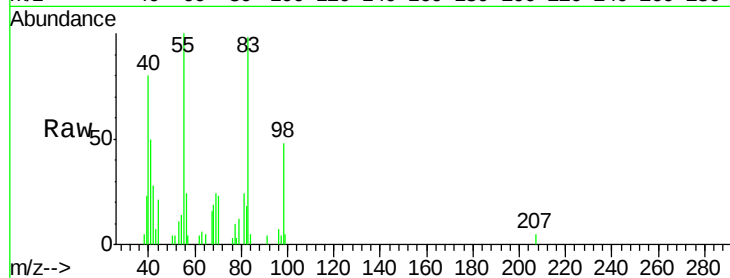
#39  
Methvlcvclohexane  
Concen: 24.251 ug/l  
RT: 9.36 min Scan# 1264  
Delta R.T. -0.01 min  
Lab File: VD065289.D  
Acq: 24 Feb 2020 12:38

Instrument :  
MSVOA\_D  
ClientSampleId :  
DUNR-TS001-01MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 102.4 | 61.8  | 92.6# |
| 98      | 48.7  | 39.4  | 59.0  |

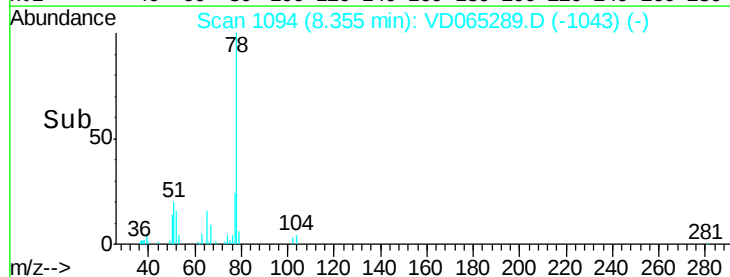
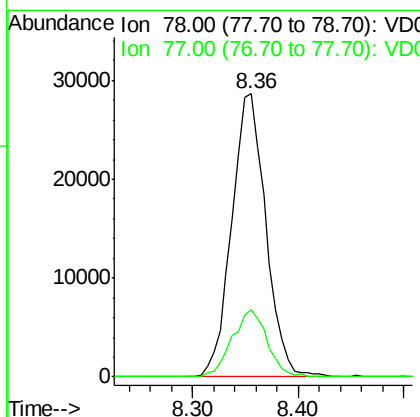
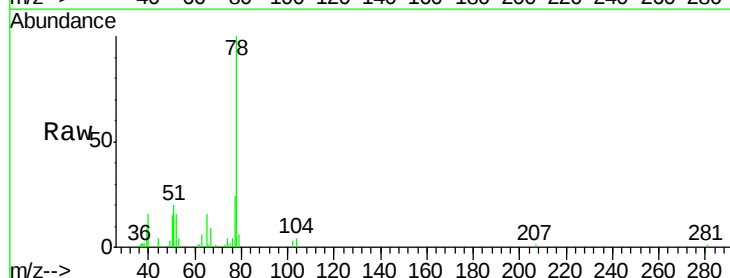
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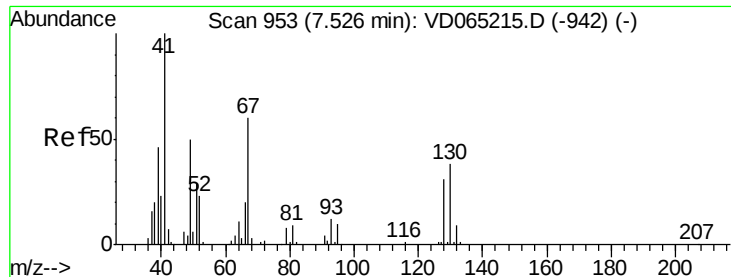
MMDadoda  
2/25/2020 5:15:37 PM



#40  
Benzene  
Concen: 54.543 ug/l  
RT: 8.36 min Scan# 1094  
Delta R.T. 0.00 min  
Lab File: VD065289.D  
Acq: 24 Feb 2020 12:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.9  | 19.0  | 28.6  |





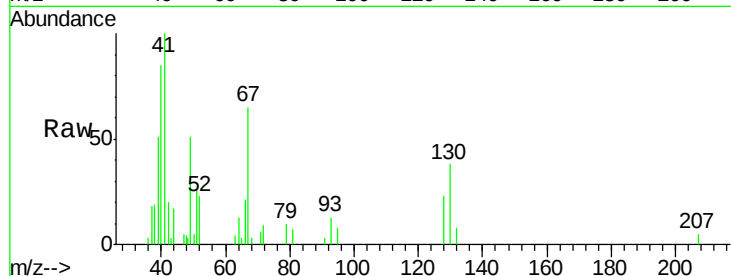
#41  
Methacrylonitrile  
Concen: 147.729 ug/l  
RT: 7.53 min Scan# 954  
Delta R.T. 0.01 min  
Lab File: VD065289.D  
Acq: 24 Feb 2020 12:38

Instrument :  
MSVOA\_D  
ClientSampleId :  
DUNR-TS001-01MS

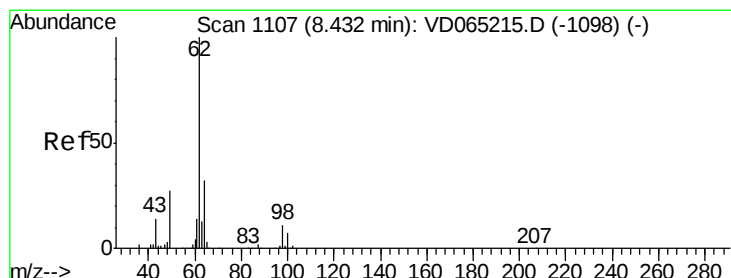
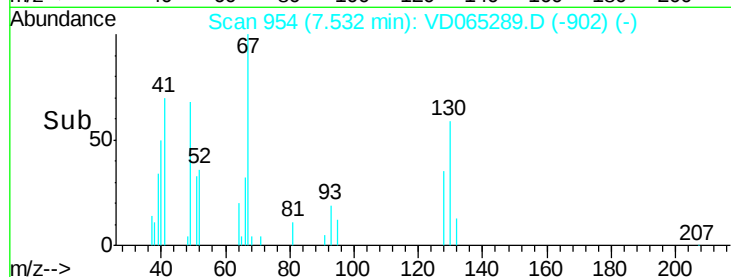
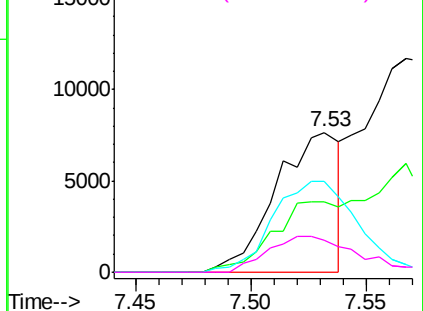
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 52.3  | 48.1  | 72.1  |
| 67      | 85.2  | 58.9  | 88.3  |
| 52      | 35.2  | 24.2  | 36.2  |

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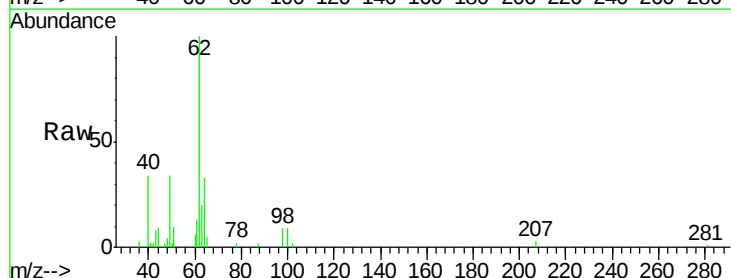


Abundance Ion 41.00 (40.70 to 41.70): VDC  
Ion 39.00 (38.70 to 39.70): VDC  
Ion 67.00 (66.70 to 67.70): VDC  
Ion 52.00 (51.70 to 52.70): VDC

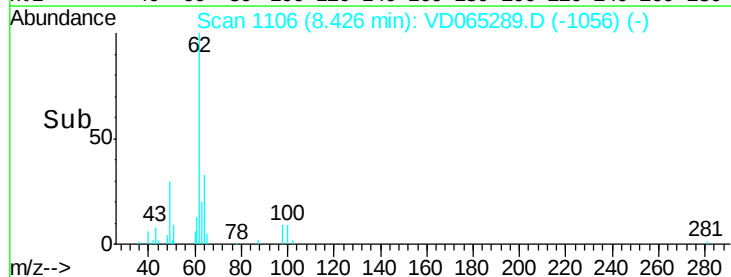
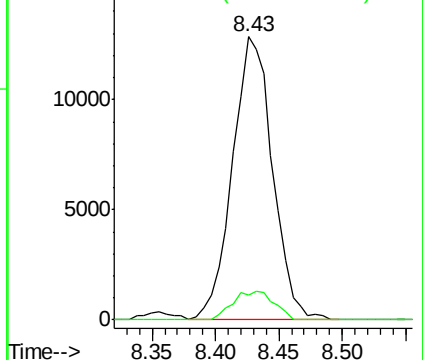


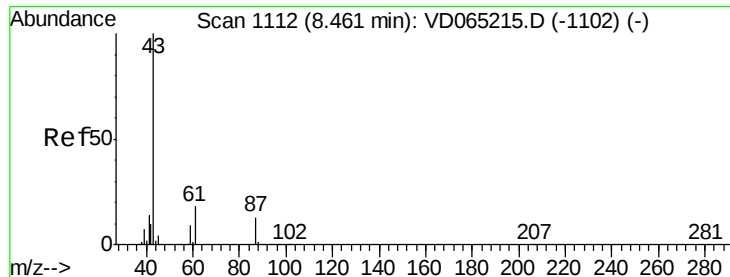
#42  
1,2-Dichloroethane  
Concen: 87.233 ug/l  
RT: 8.43 min Scan# 1106  
Delta R.T. -0.01 min  
Lab File: VD065289.D  
Acq: 24 Feb 2020 12:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 10.4  | 0.0   | 20.6  |



Abundance Ion 61.90 (61.60 to 62.60): VDC  
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 127.555 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065289.D

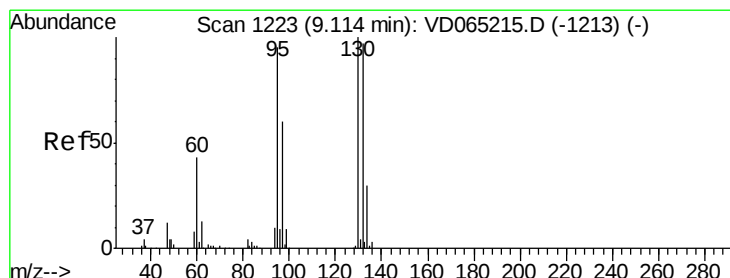
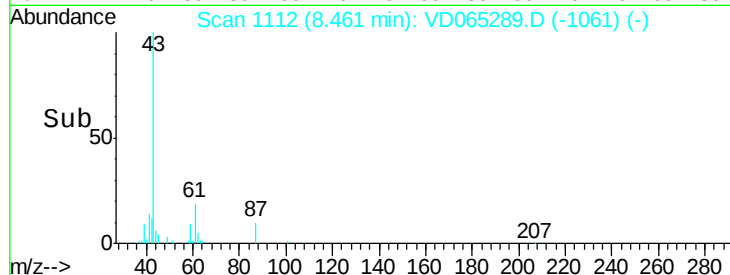
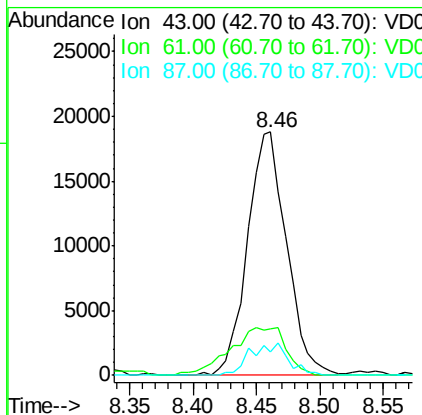
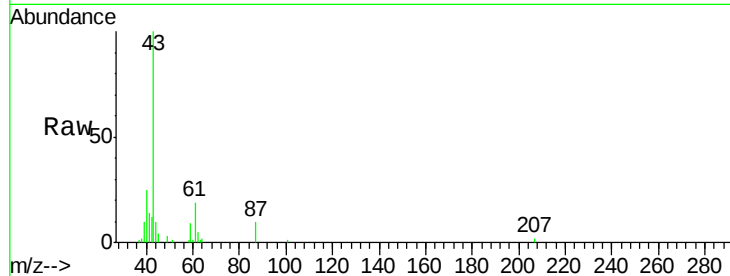
Acq: 24 Feb 2020 12:38

Instrument :  
MSVOA\_D  
ClientSampleId :  
DUNR-TS001-01MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 40347 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 27.9  | 24.6  | 36.8  |
| 87       | 12.8  | 10.6  | 16.0  |

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#44

Trichloroethene

Concen: 46.395 ug/l

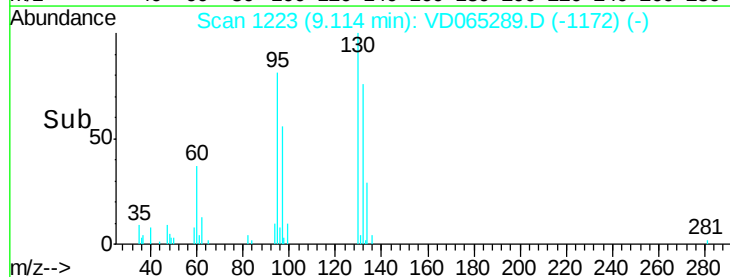
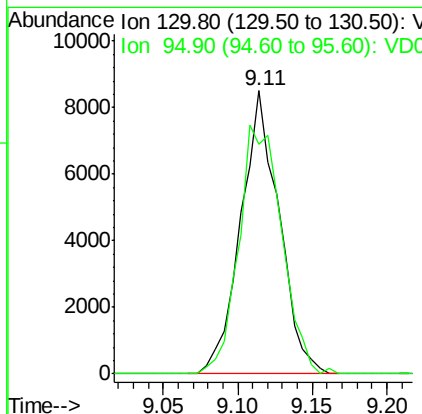
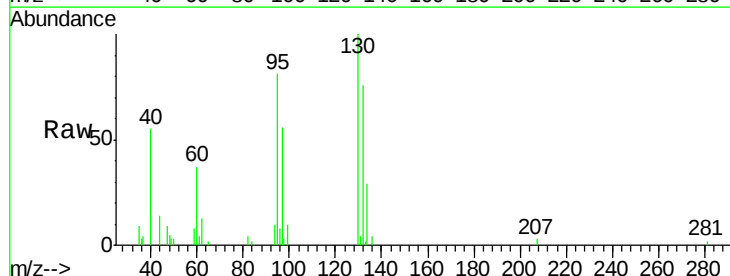
RT: 9.11 min Scan# 1223

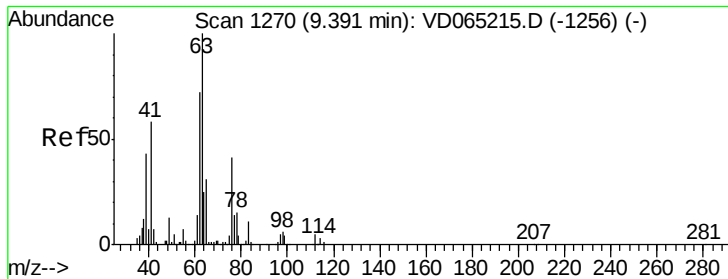
Delta R.T. 0.00 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 15104 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 81.0  | 0.0   | 190.6 |





#45

1,2-Dichloropropane

Concen: 64.174 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

Instrument :

MSVOA\_D

ClientSampleId :

DUNR-TS001-01MS

Tot Ion: 63 Resp: 18741

Ion Ratio Lower Upper

63 100

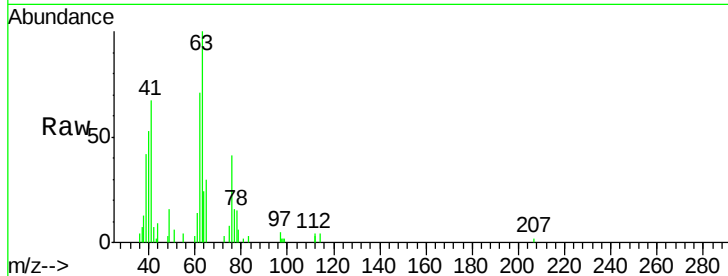
65 30.4 24.9 37.3

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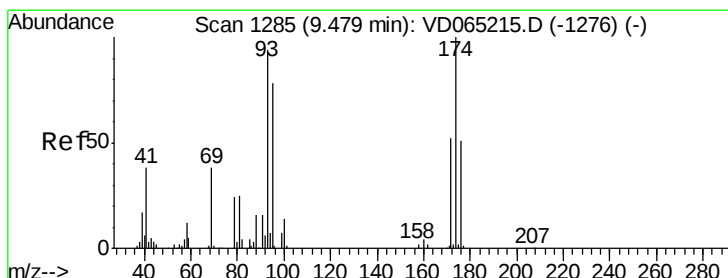
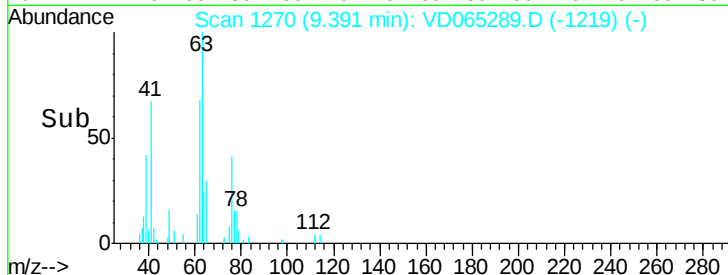
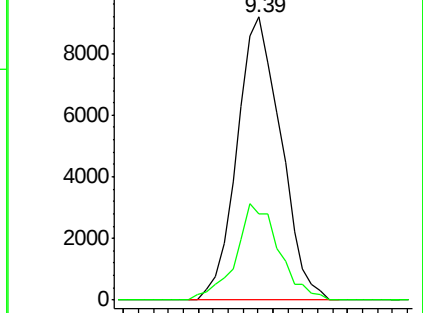
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 99.908 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

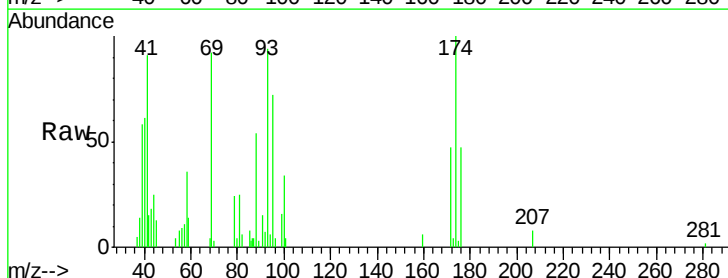
Tgt Ion: 93 Resp: 15012

Ion Ratio Lower Upper

93 100

95 84.0 65.8 98.6

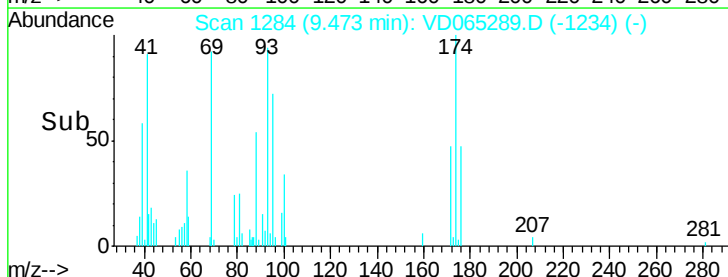
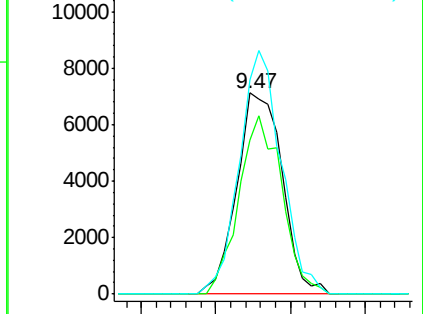
174 111.7 86.8 130.2

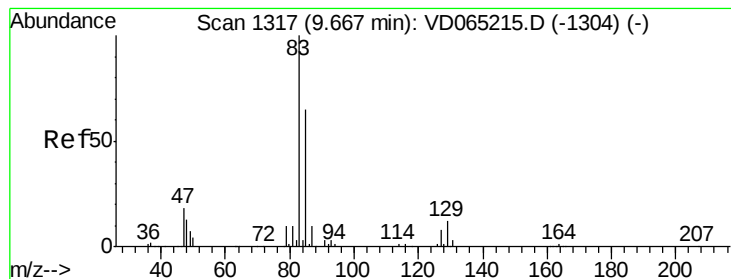


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 67.091 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

Instrument :

MSVOA\_D

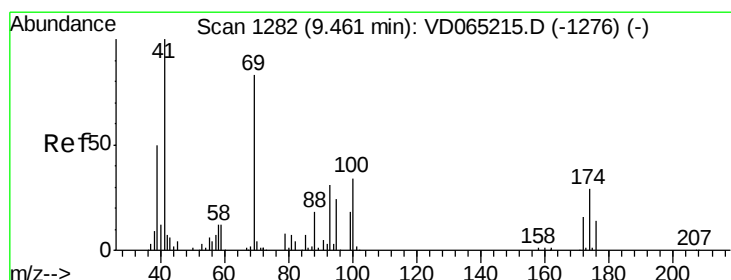
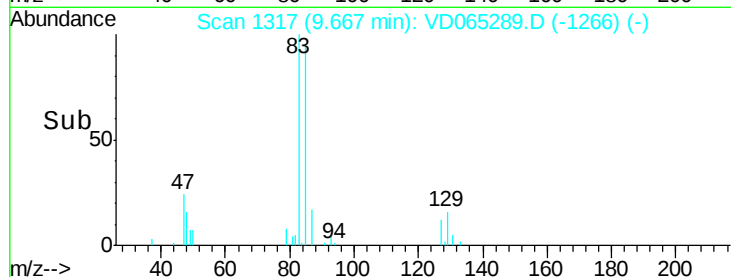
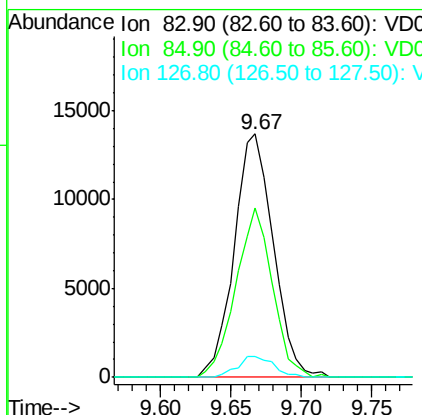
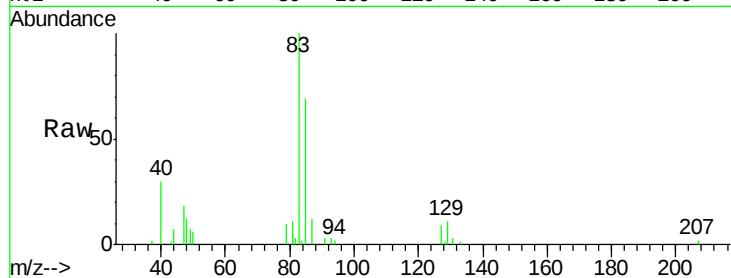
ClientSampleId :

DUNR-TS001-01MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 26567 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 69.4  | 52.0  | 78.0  |
| 127      | 8.8   | 6.7   | 10.1  |

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#48

Methyl methacrylate

Concen: 165.654 ug/l

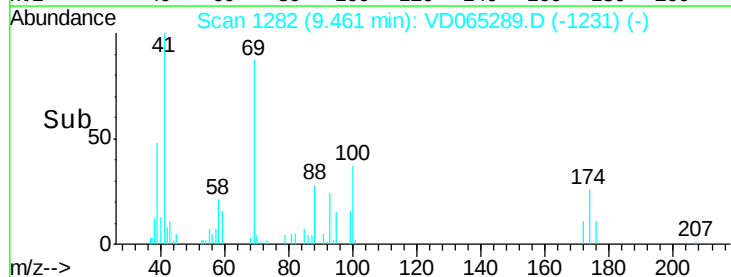
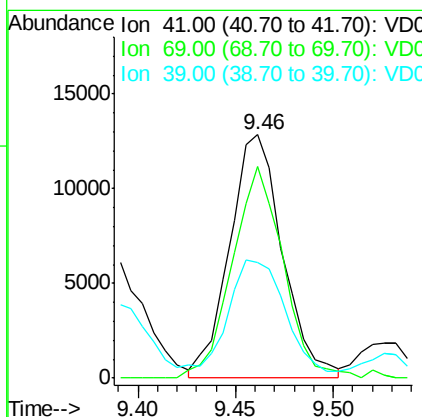
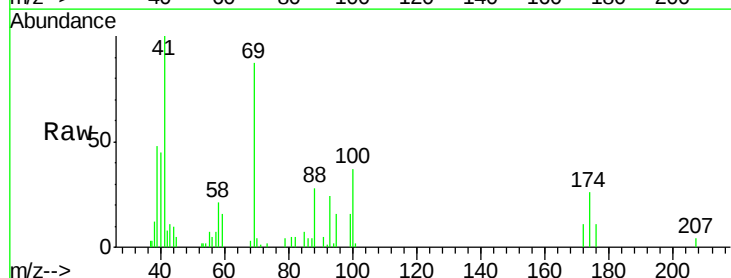
RT: 9.46 min Scan# 1282

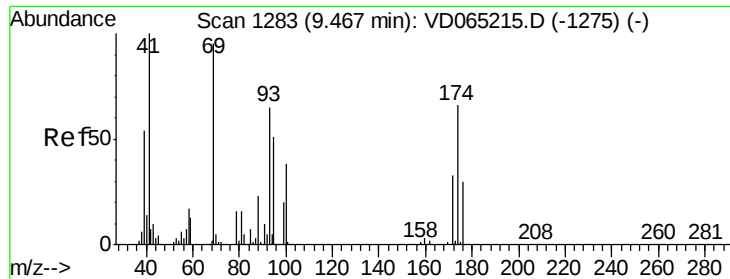
Delta R.T. 0.00 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 24220 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 83.4  | 68.2  | 102.2 |
| 39       | 52.9  | 42.0  | 63.0  |





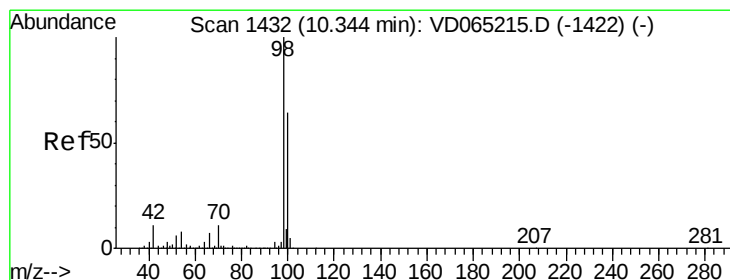
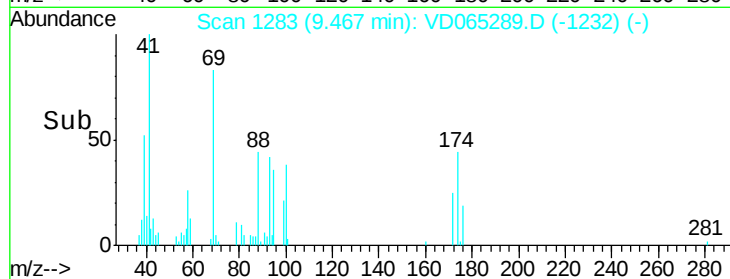
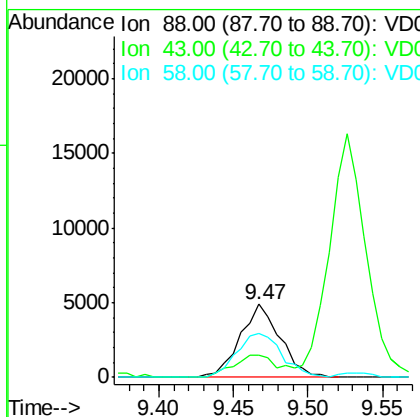
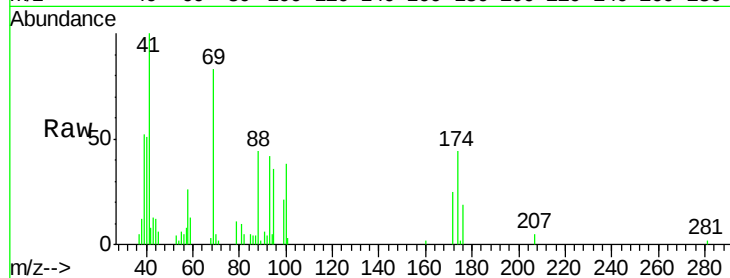
#49  
1,4-Dioxane  
Concen: 5134.206 ug/l  
RT: 9.47 min Scan# 1283  
Delta R.T. 0.00 min  
Lab File: VD065289.D  
Acq: 24 Feb 2020 12:38

Instrument :  
MSVOA\_D  
ClientSampleId :  
DUNR-TS001-01MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 35.2  | 28.5  | 42.7  |
| 58      | 68.2  | 58.6  | 87.8  |

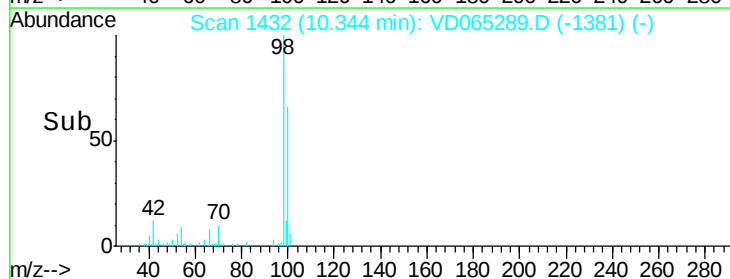
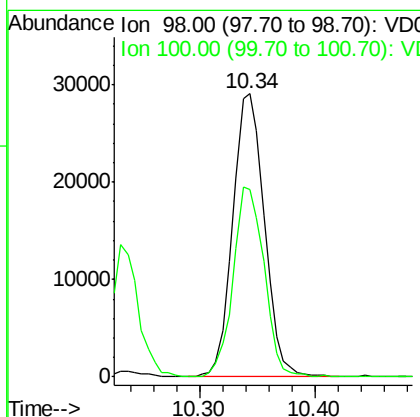
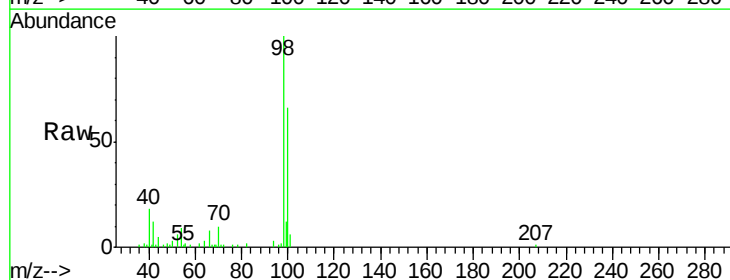
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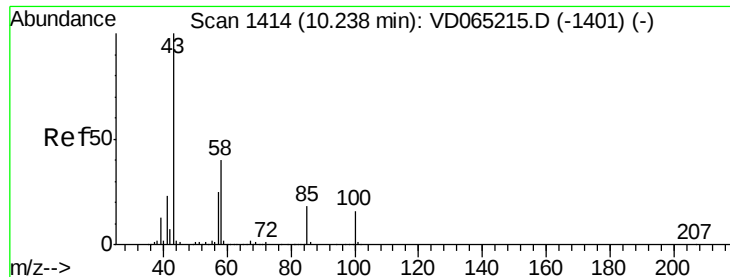
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#50  
Toluene-d8  
Concen: 55.433 ug/l  
RT: 10.34 min Scan# 1432  
Delta R.T. 0.00 min  
Lab File: VD065289.D  
Acq: 24 Feb 2020 12:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.3  | 52.0  | 78.0  |





#51

4-Methyl-2-Pentanone

Concen: 914.159 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

Instrument :

MSVOA\_D

ClientSampleId :

DUNR-TS001-01MS

Tot Ion: 43 Resp: 146867

Ion Ratio Lower Upper

43 100

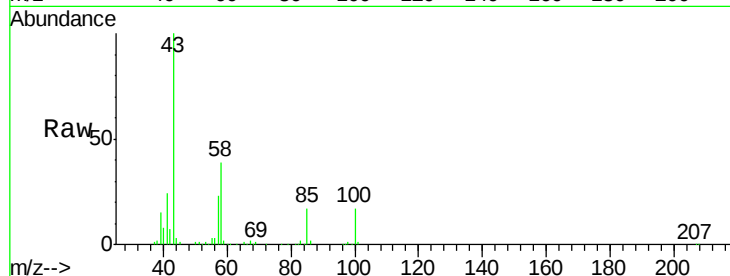
58 38.2 31.1 46.7

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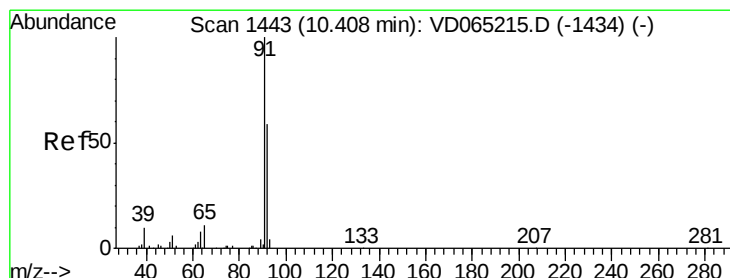
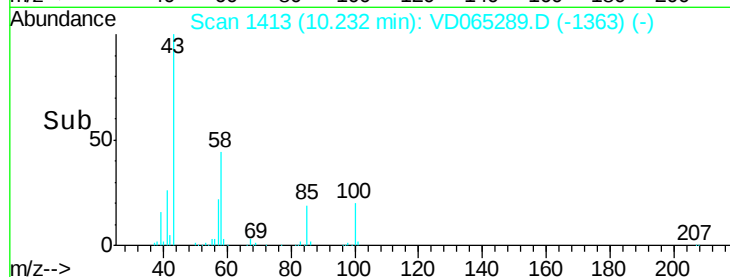
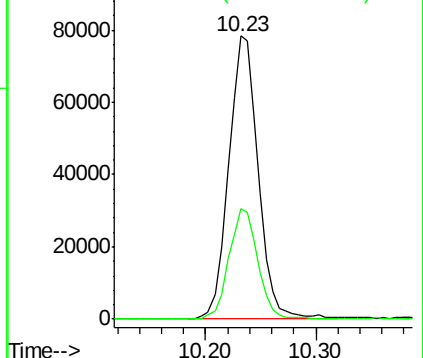
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 48.315 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065289.D

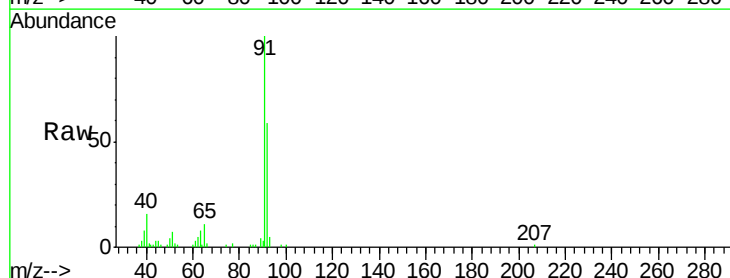
Acq: 24 Feb 2020 12:38

Tgt Ion: 92 Resp: 35123

Ion Ratio Lower Upper

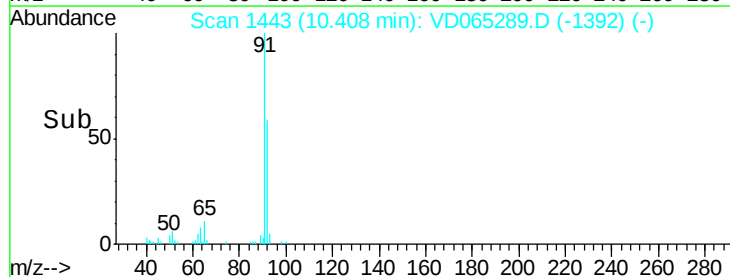
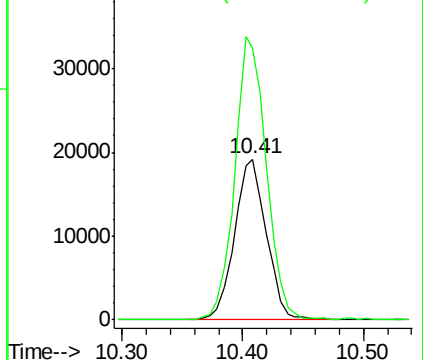
92 100

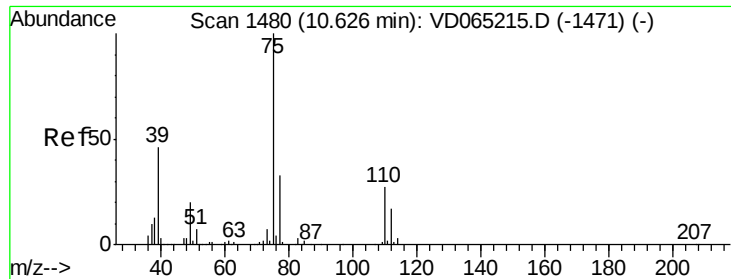
91 174.7 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





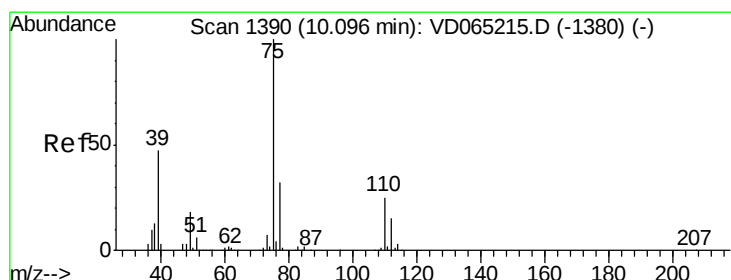
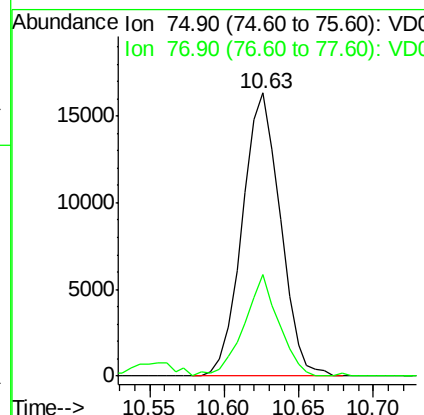
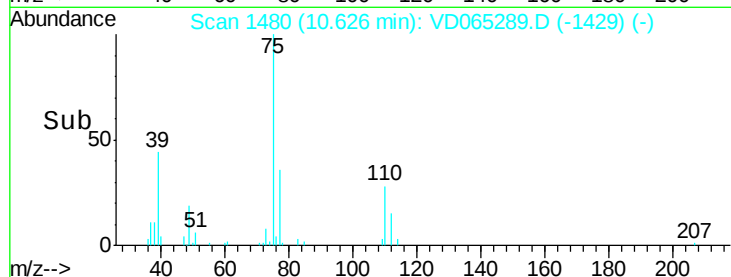
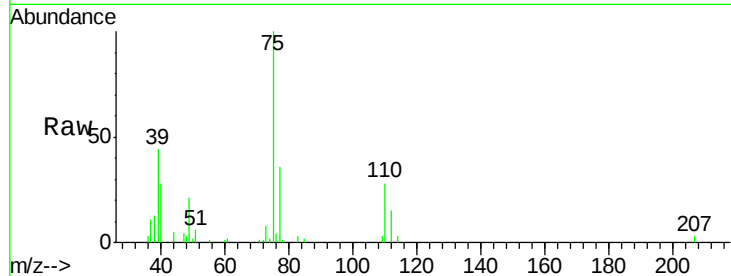
#53  
 t-1,3-Dichloropropene  
 Concen: 78.517 ug/l  
 RT: 10.63 min Scan# 1480  
 Delta R.T. 0.00 min  
 Lab File: VD065289.D  
 Acq: 24 Feb 2020 12:38

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 DUNR-TS001-01MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 36.0  | 26.6  | 40.0  |

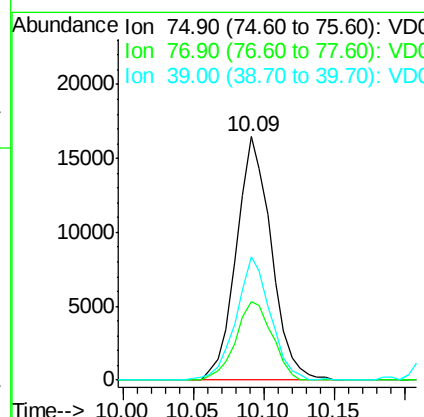
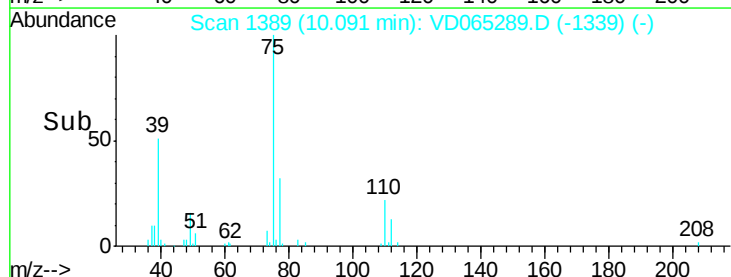
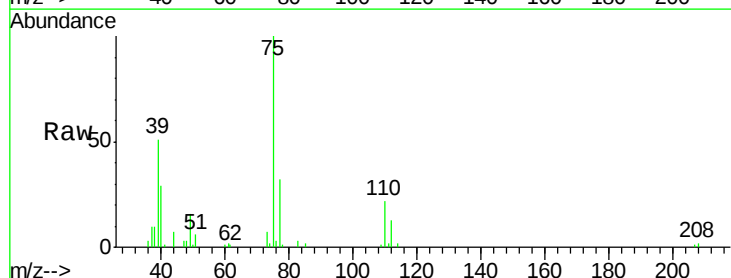
Manual Integrations  
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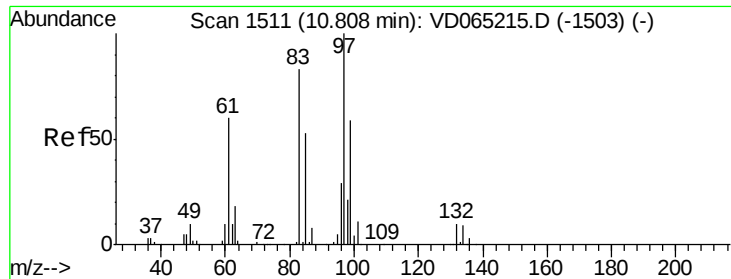
MMDadoda  
 2/25/2020 5:15:37 PM



#54  
 cis-1,3-Dichloropropene  
 Concen: 64.440 ug/l  
 RT: 10.09 min Scan# 1389  
 Delta R.T. -0.01 min  
 Lab File: VD065289.D  
 Acq: 24 Feb 2020 12:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 32.3  | 25.8  | 38.8  |
| 39      | 50.6  | 37.3  | 55.9  |





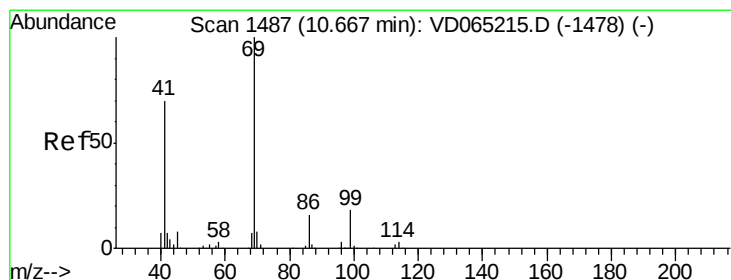
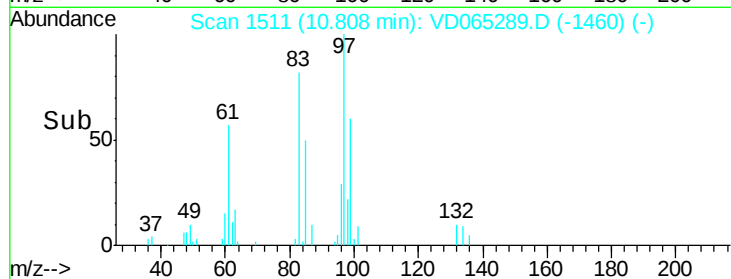
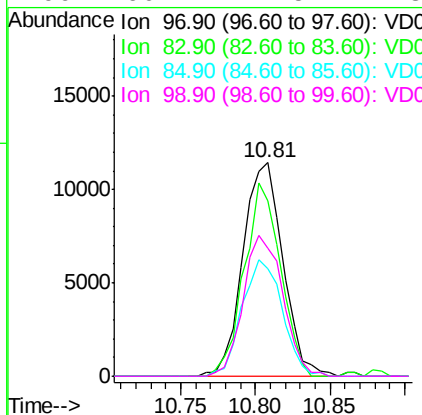
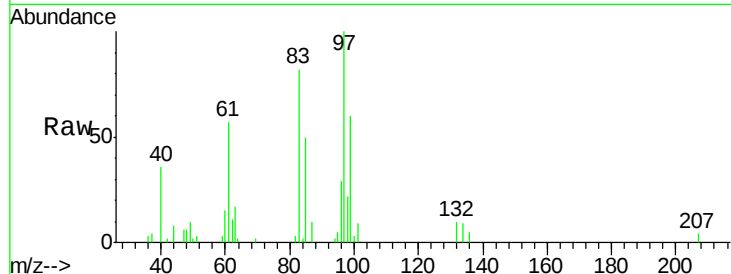
#55  
 1,1,2-Trichloroethane  
 Concen: 99.892 ug/l  
 RT: 10.81 min Scan# 1511  
 Delta R.T. 0.00 min  
 Lab File: VD065289.D  
 Acq: 24 Feb 2020 12:38

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 DUNR-TS001-01MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 21126 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 81.8  | 66.7  | 100.1 |
| 85       | 50.5  | 42.4  | 63.6  |
| 99       | 60.2  | 47.5  | 71.3  |

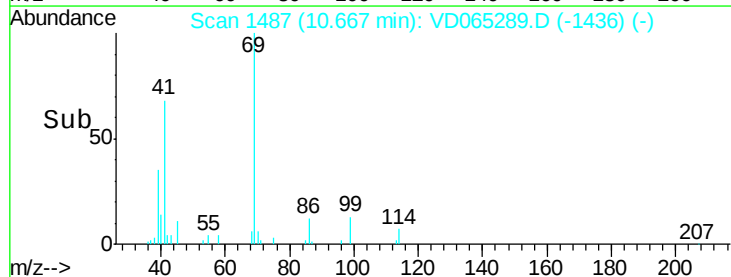
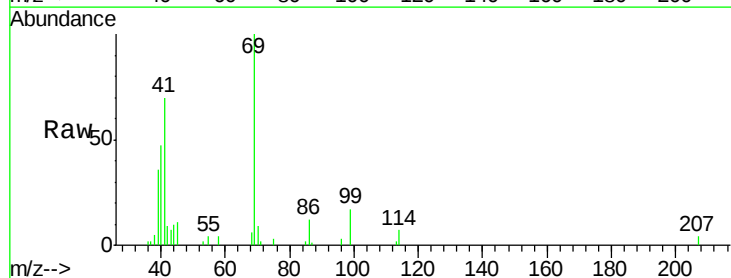
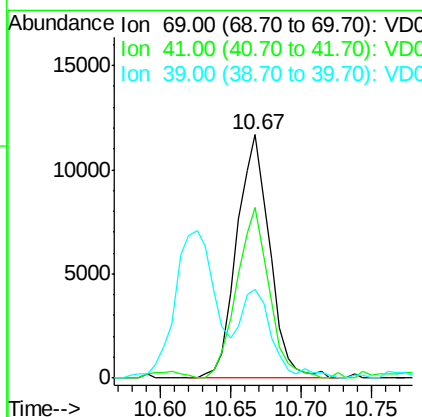
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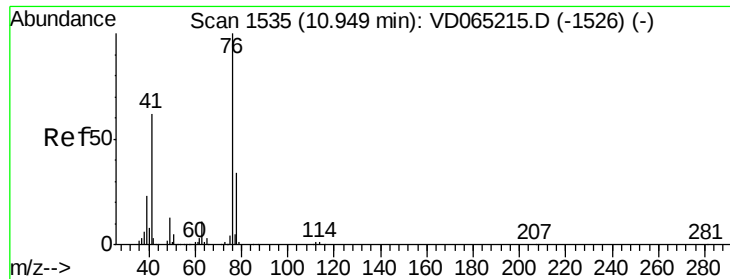
MMDadoda  
 2/25/2020 5:15:37 PM



#56  
 Ethyl methacrylate  
 Concen: 77.938 ug/l  
 RT: 10.67 min Scan# 1487  
 Delta R.T. 0.00 min  
 Lab File: VD065289.D  
 Acq: 24 Feb 2020 12:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 19025 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 68.9  | 54.6  | 81.8  |
| 39       | 30.8  | 26.5  | 39.7  |





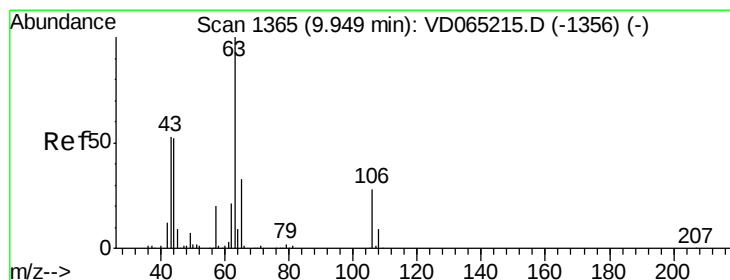
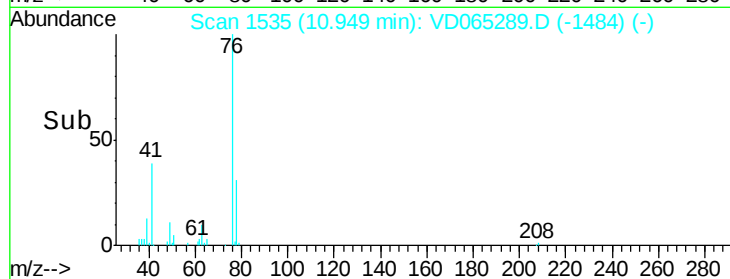
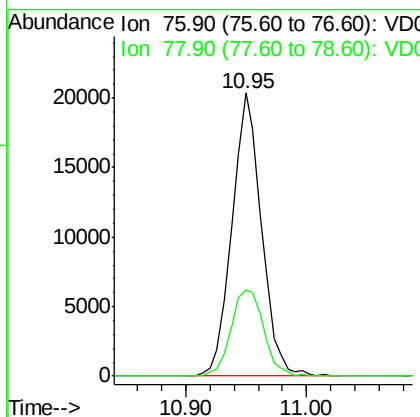
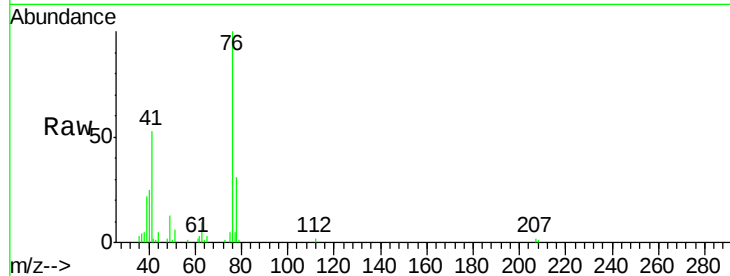
#57  
 1,3-Dichloropropane  
 Concen: 96.208 ug/l  
 RT: 10.95 min Scan# 1535  
 Delta R.T. 0.00 min  
 Lab File: VD065289.D  
 Acq: 24 Feb 2020 12:38

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 DUNR-TS001-01MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 33.7  | 26.3  | 39.5  |

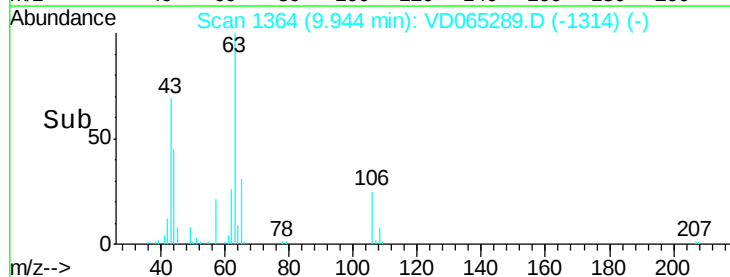
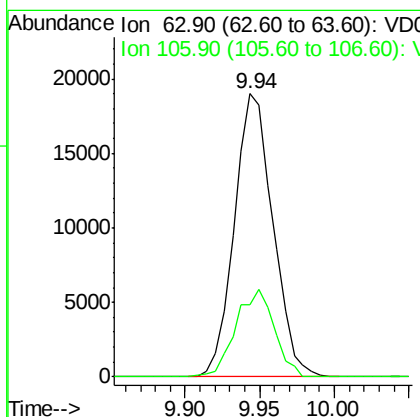
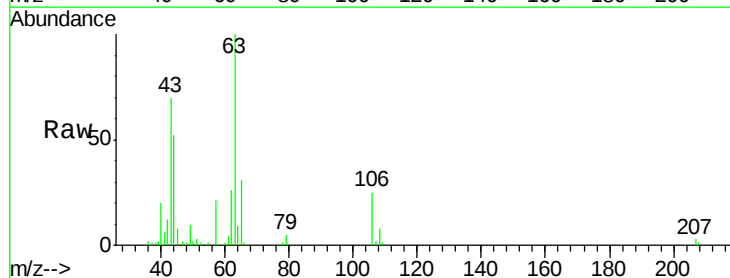
Manual Integrations  
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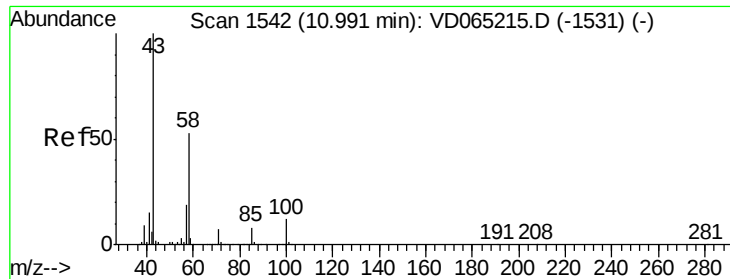
MMDadoda  
 2/25/2020 5:15:37 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 443.443 ug/l  
 RT: 9.94 min Scan# 1364  
 Delta R.T. -0.01 min  
 Lab File: VD065289.D  
 Acq: 24 Feb 2020 12:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 30.7  | 22.8  | 34.2  |





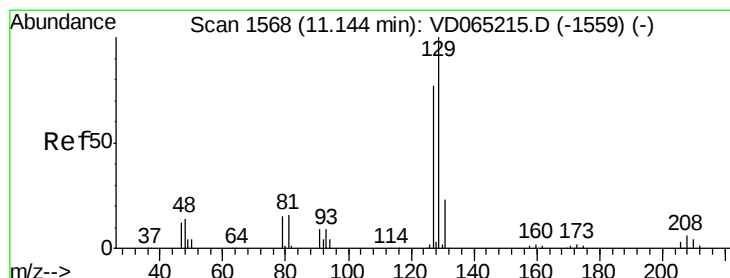
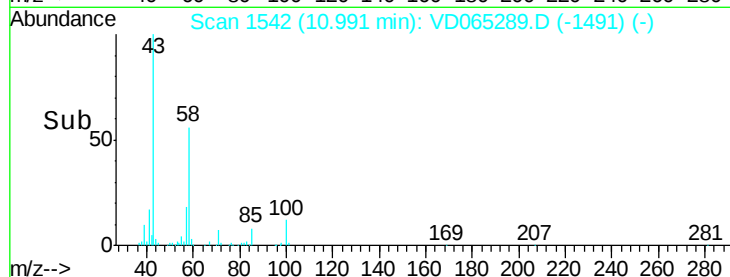
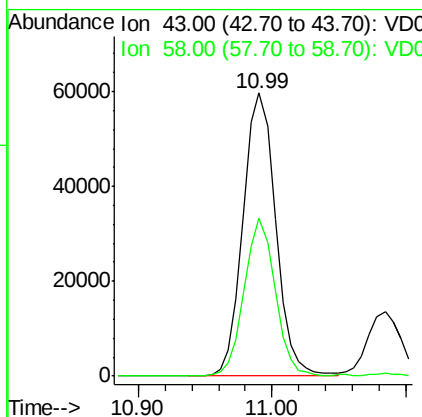
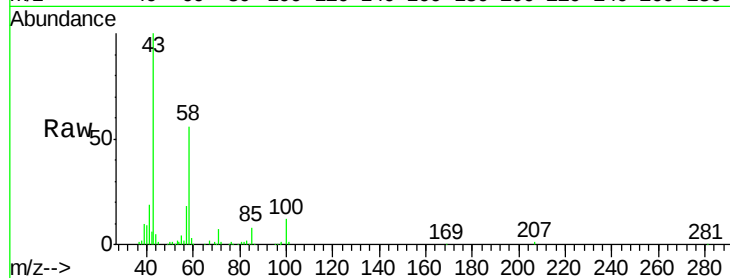
#59  
2-Hexanone  
Concen: 881.809 ug/l  
RT: 10.99 min Scan# 1542  
Delta R.T. 0.00 min  
Lab File: VD065289.D  
Acq: 24 Feb 2020 12:38

Instrument :  
MSVOA\_D  
ClientSampleId :  
DUNR-TS001-01MS

Tot Ion: 43 Resp: 101413  
Ion Ratio Lower Upper  
43 100  
58 52.4 26.3 78.8

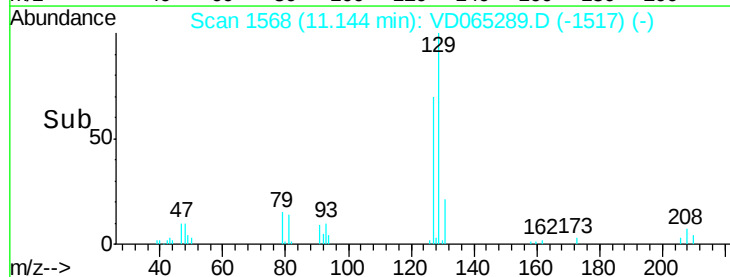
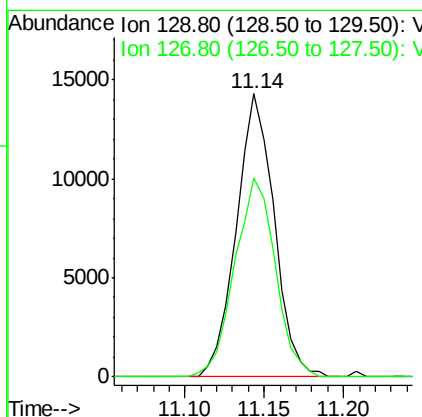
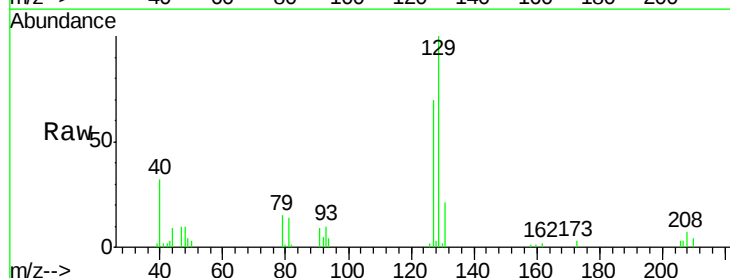
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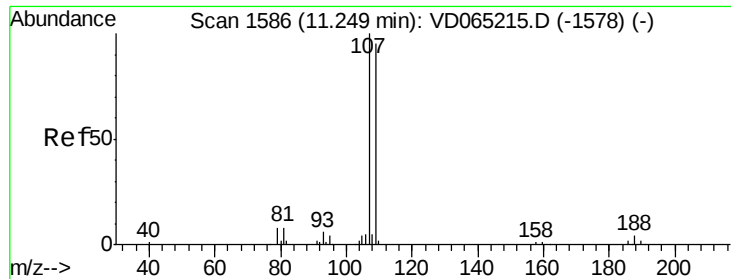
MMDadoda  
2/25/2020 5:15:37 PM



#60  
Dibromochloromethane  
Concen: 87.392 ug/l  
RT: 11.14 min Scan# 1568  
Delta R.T. 0.00 min  
Lab File: VD065289.D  
Acq: 24 Feb 2020 12:38

Tgt Ion: 129 Resp: 23656  
Ion Ratio Lower Upper  
129 100  
127 75.4 38.7 116.1





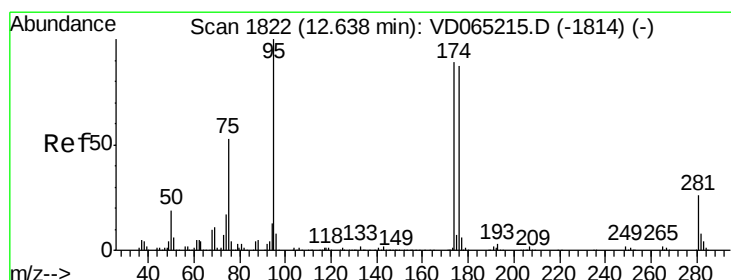
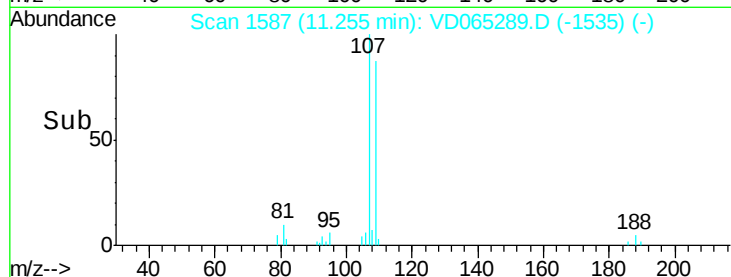
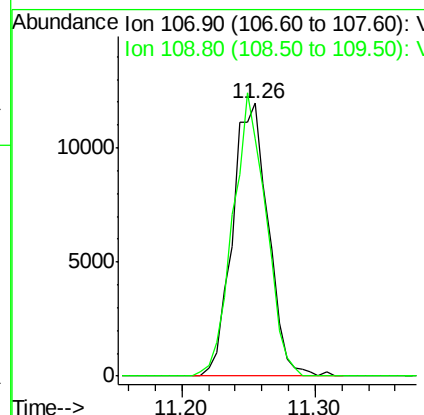
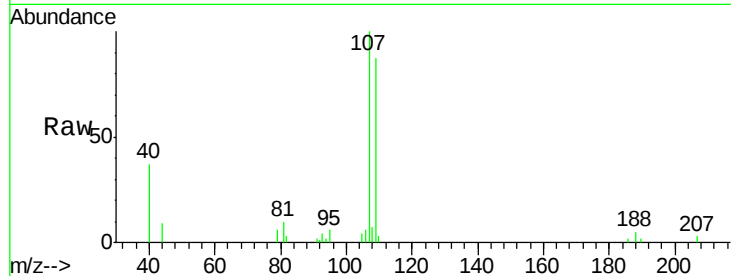
#61  
 1,2-Dibromoethane  
 Concen: 111.361 ug/l  
 RT: 11.26 min Scan# 1587  
 Delta R.T. 0.01 min  
 Lab File: VD065289.D  
 Acq: 24 Feb 2020 12:38

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 DUNR-TS001-01MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 96.4  | 76.2  | 114.4 |

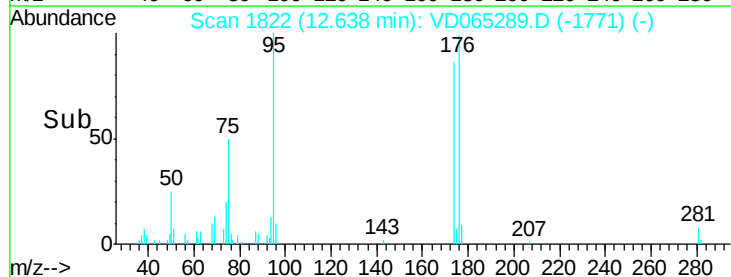
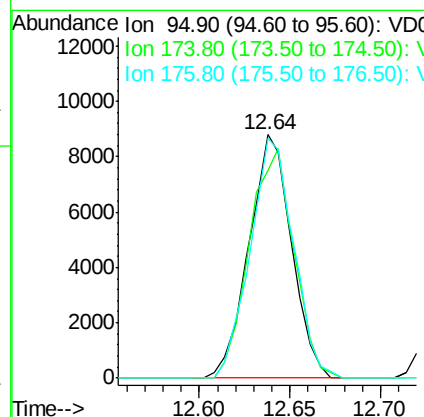
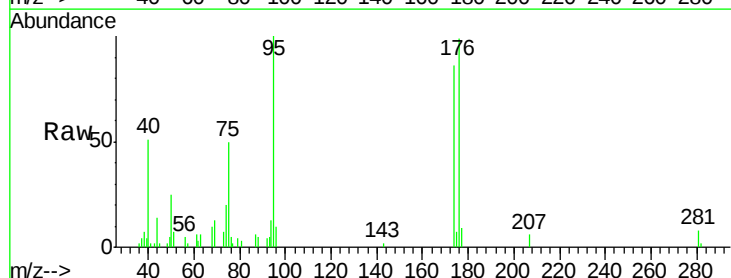
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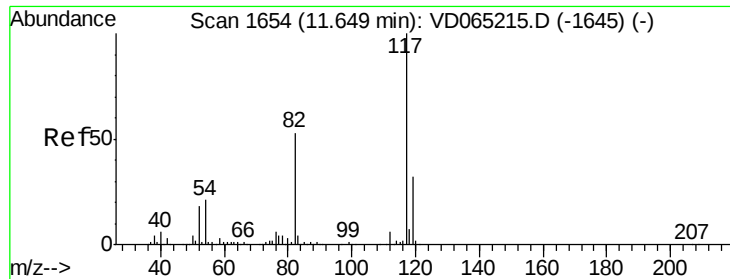
MMDadoda  
 2/25/2020 5:15:37 PM



#62  
 4-Bromofluorobenzene  
 Concen: 45.605 ug/l  
 RT: 12.64 min Scan# 1822  
 Delta R.T. 0.00 min  
 Lab File: VD065289.D  
 Acq: 24 Feb 2020 12:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 98.7  | 0.0   | 178.0 |
| 176     | 100.2 | 0.0   | 174.4 |





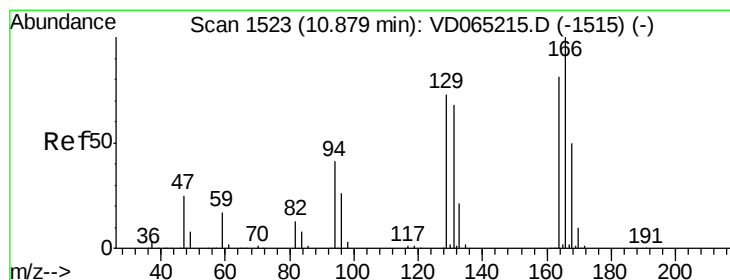
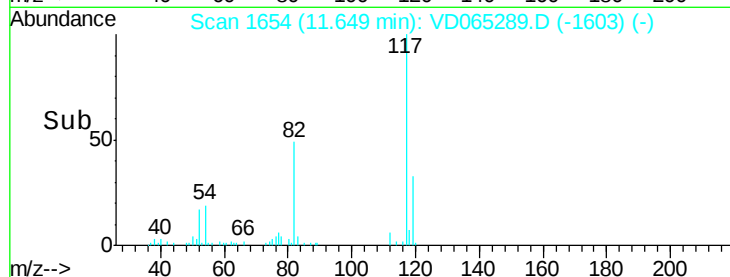
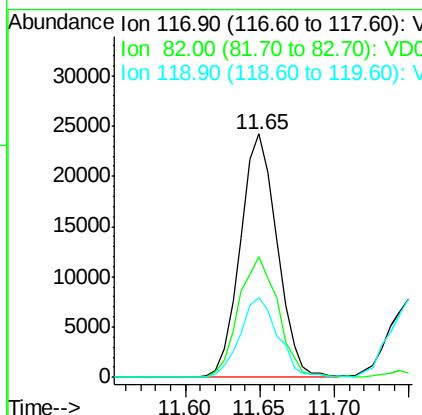
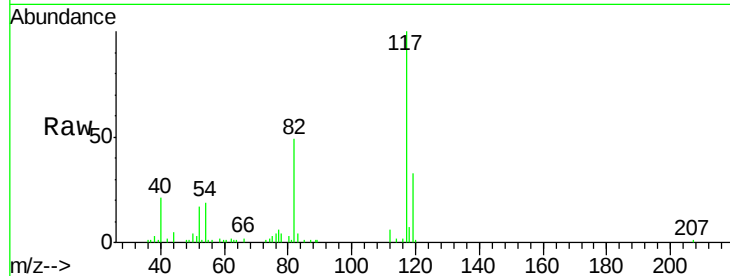
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. 0.00 min  
Lab File: VD065289.D  
Acq: 24 Feb 2020 12:38

Instrument :  
MSVOA\_D  
ClientSampleId :  
DUNR-TS001-01MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 49.4  | 42.7  | 64.1  |
| 119     | 32.7  | 25.5  | 38.3  |

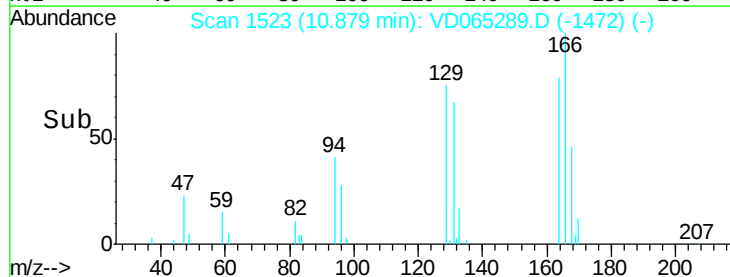
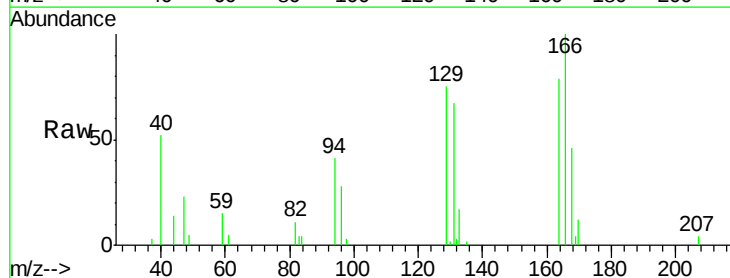
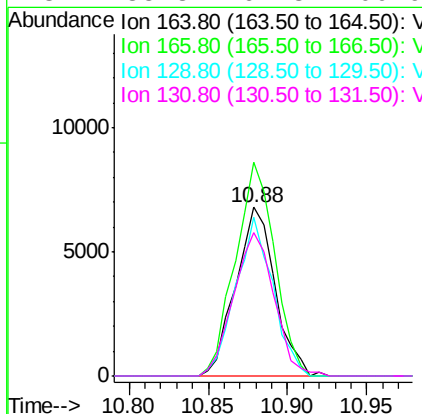
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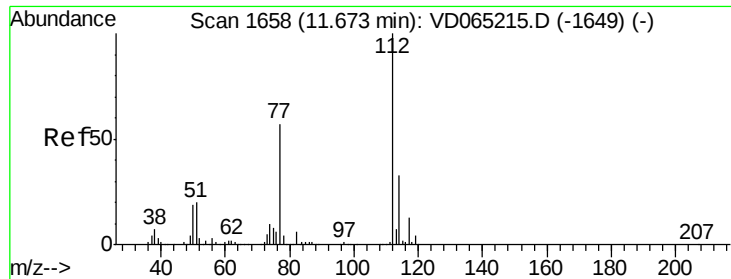
MMDadoda  
2/25/2020 5:15:37 PM



#64  
Tetrachloroethene  
Concen: 39.768 ug/l  
RT: 10.88 min Scan# 1523  
Delta R.T. 0.00 min  
Lab File: VD065289.D  
Acq: 24 Feb 2020 12:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 126.9 | 98.4  | 147.6 |
| 129     | 94.6  | 71.6  | 107.4 |
| 131     | 85.3  | 67.3  | 100.9 |





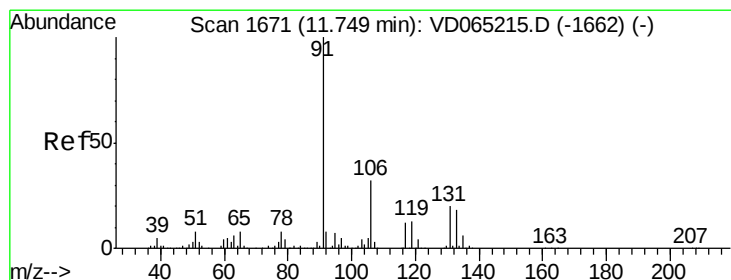
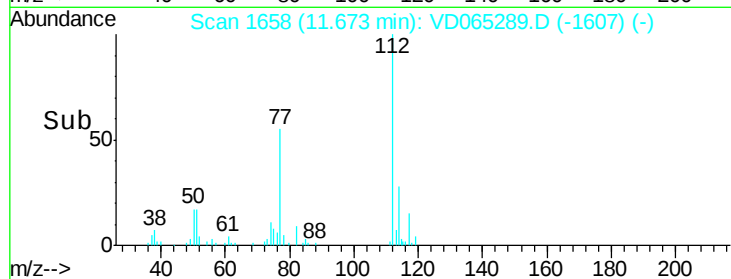
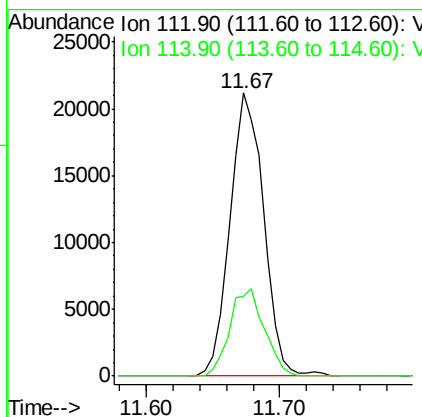
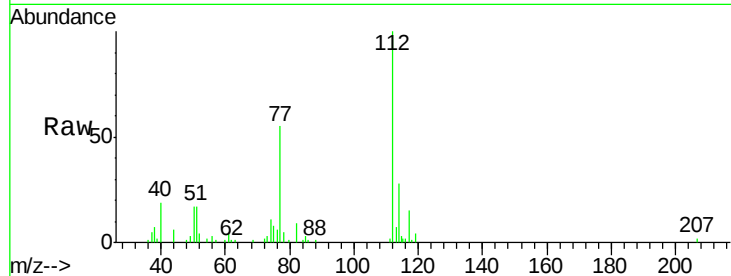
#65  
Chlorobenzene  
Concen: 44.660 ug/l  
RT: 11.67 min Scan# 1658  
Delta R.T. 0.00 min  
Lab File: VD065289.D  
Acq: 24 Feb 2020 12:38

Instrument :  
MSVOA\_D  
ClientSampleId :  
DUNR-TS001-01MS

Tot Ion:112 Resp: 37152  
Ion Ratio Lower Upper  
112 100  
114 28.3 26.4 39.6

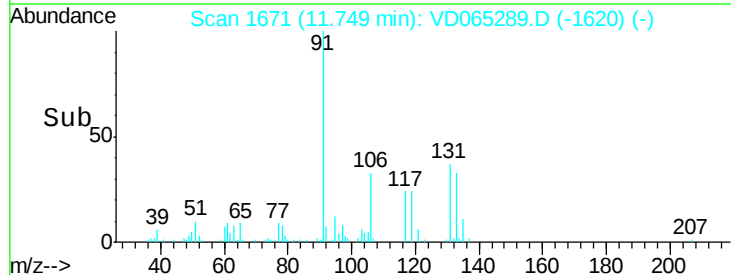
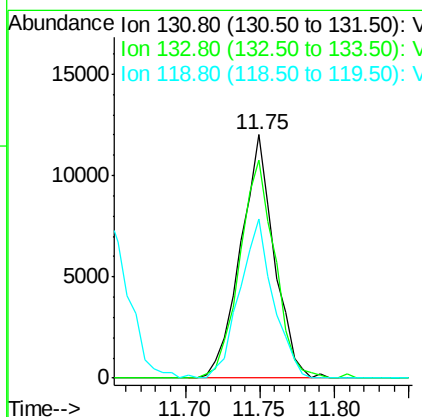
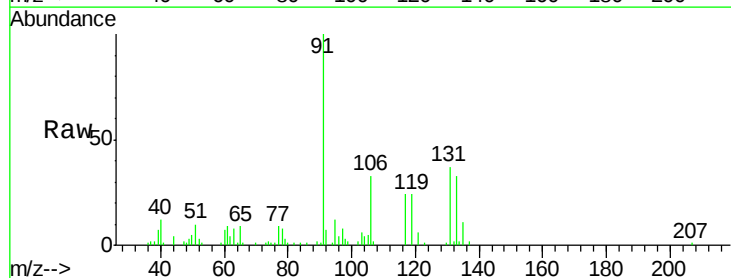
Manual Integrations  
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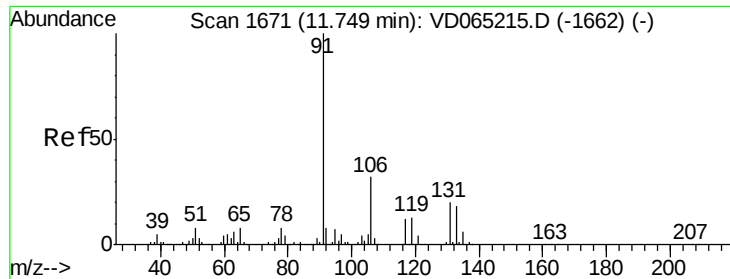
MMDadoda  
2/25/2020 5:15:37 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 60.309 ug/l  
RT: 11.75 min Scan# 1671  
Delta R.T. 0.00 min  
Lab File: VD065289.D  
Acq: 24 Feb 2020 12:38

Tgt Ion:131 Resp: 18722  
Ion Ratio Lower Upper  
131 100  
133 93.9 47.7 143.1  
119 65.4 32.7 98.1





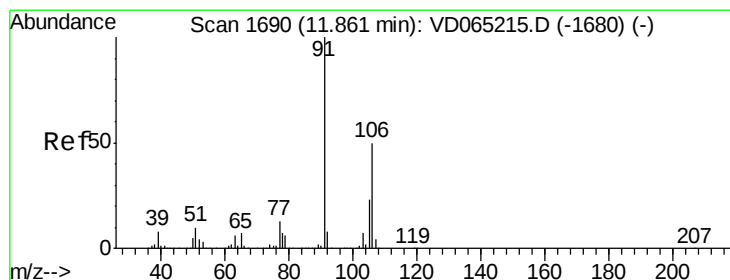
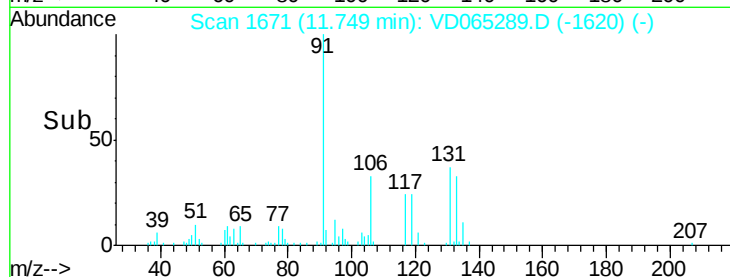
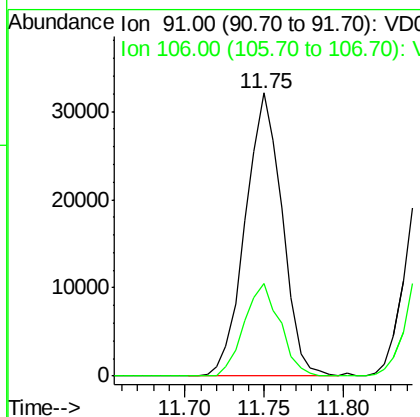
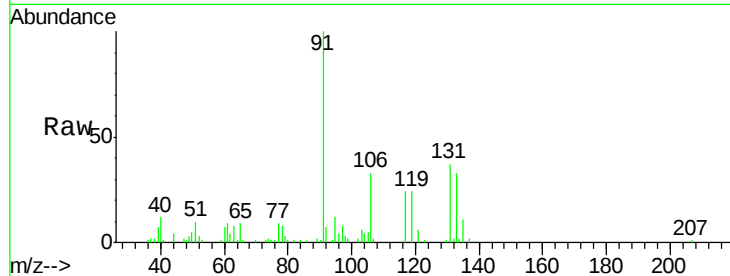
#67  
Ethyl Benzene  
Concen: 35.638 ug/l  
RT: 11.75 min Scan# 1671  
Delta R.T. 0.00 min  
Lab File: VD065289.D  
Acq: 24 Feb 2020 12:38

Instrument :  
MSVOA\_D  
ClientSampleId :  
DUNR-TS001-01MS

Tot Ion: 91 Resp: 51923  
Ion Ratio Lower Upper  
91 100  
106 32.6 25.2 37.8

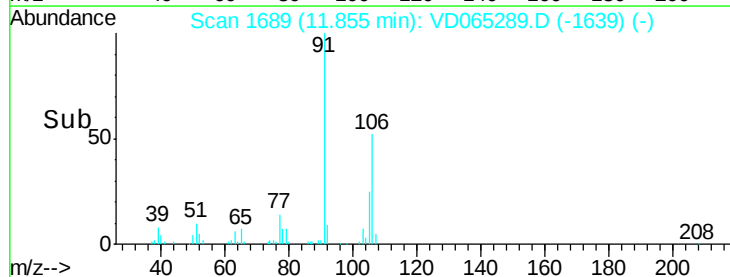
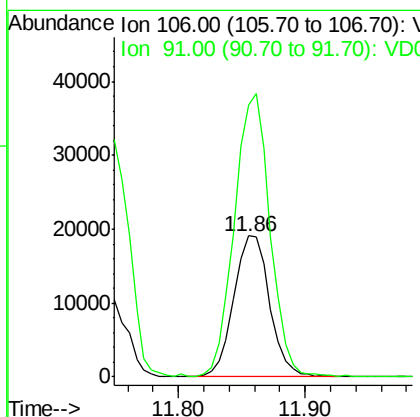
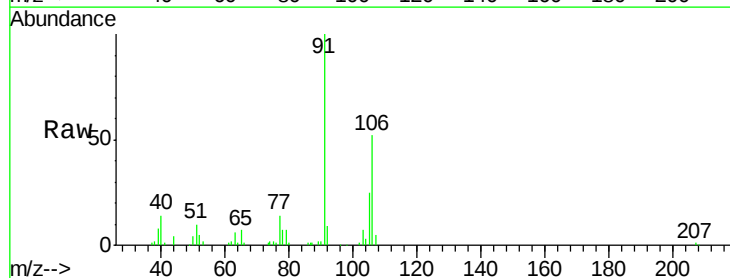
Manual Integrations  
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MMDadoda  
2/25/2020 5:15:37 PM



#68  
m/p-Xylenes  
Concen: 67.009 ug/l  
RT: 11.86 min Scan# 1689  
Delta R.T. -0.01 min  
Lab File: VD065289.D  
Acq: 24 Feb 2020 12:38

Tgt Ion: 106 Resp: 37352  
Ion Ratio Lower Upper  
106 100  
91 199.7 158.2 237.4





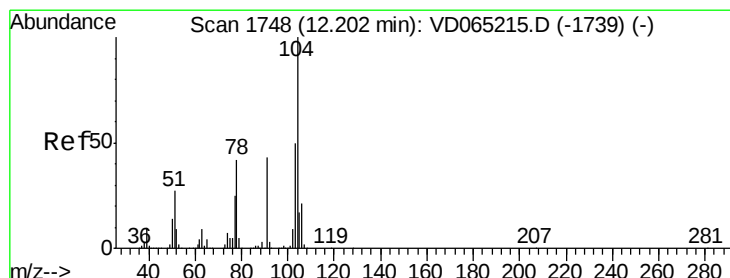
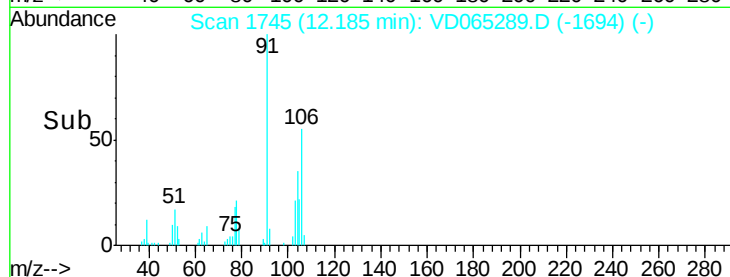
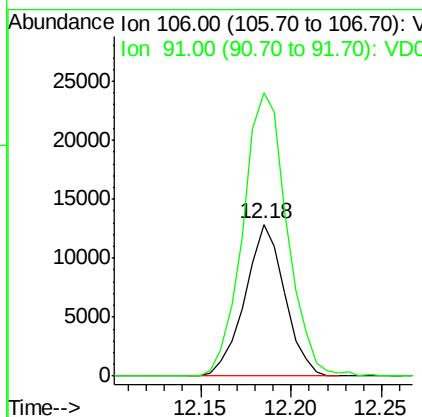
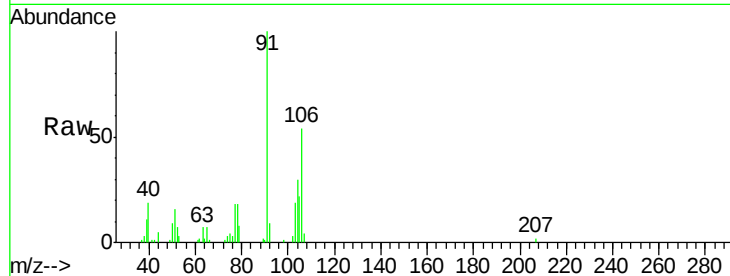
#69  
o-Xylene  
Concen: 39.652 ug/l  
RT: 12.18 min Scan# 1745  
Delta R.T. 0.00 min  
Lab File: VD065289.D  
Acq: 24 Feb 2020 12:38

Instrument :  
MSVOA\_D  
ClientSampleId :  
DUNR-TS001-01MS

| Tot Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 106     | 106 | 100   |       |       |
| 91      | 91  | 207.7 | 104.7 | 313.9 |

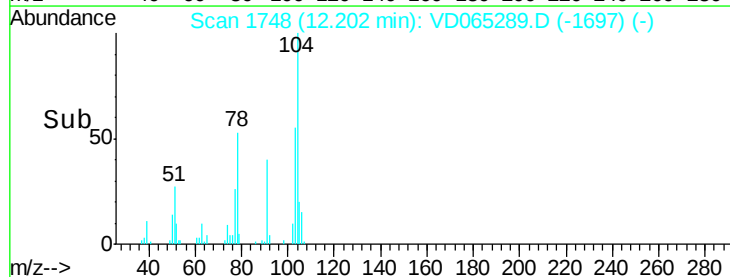
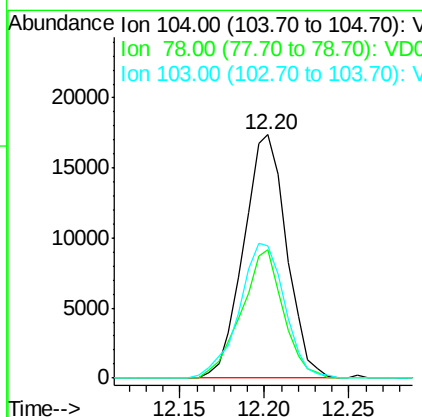
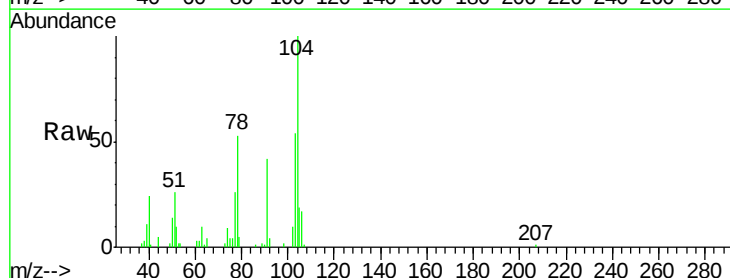
Manual Integrations  
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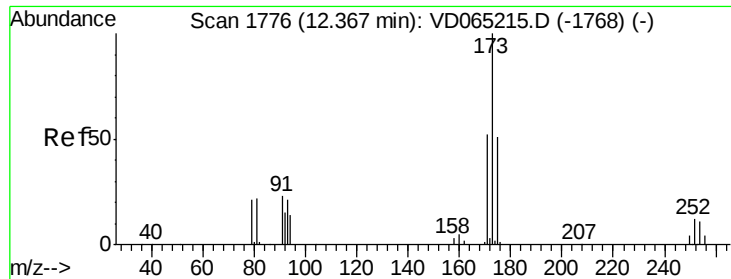
MMDadoda  
2/25/2020 5:15:37 PM



#70  
Styrene  
Concen: 35.012 ug/l  
RT: 12.20 min Scan# 1748  
Delta R.T. 0.00 min  
Lab File: VD065289.D  
Acq: 24 Feb 2020 12:38

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 104     | 104 | 100   |       |       |
| 78      | 78  | 51.7  | 37.8  | 56.6  |
| 103     | 103 | 59.0  | 43.4  | 65.2  |





#71

Bromoform

Concen: 102.304 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

Instrument :

MSVOA\_D

ClientSampleId :

DUNR-TS001-01MS

Tot Ion:173 Resp: 17623

Ion Ratio Lower Upper

173 100

175 52.1 24.4 73.4

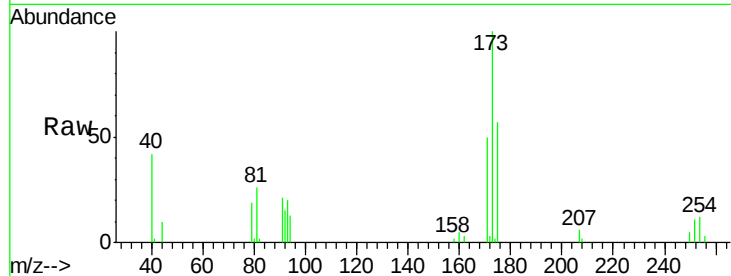
254 0.0 0.0 0.0

Manual Integrations

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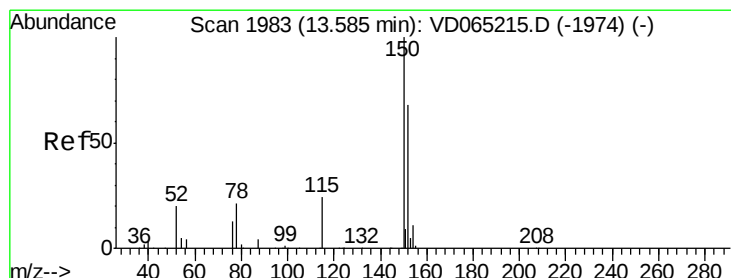
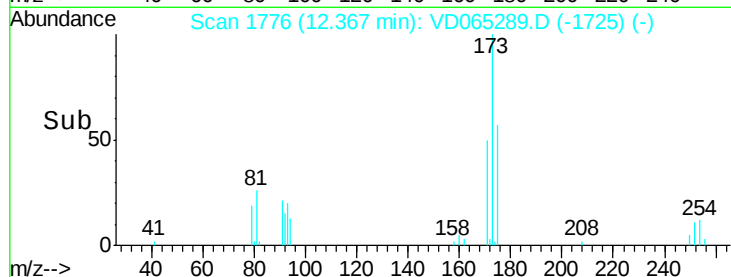
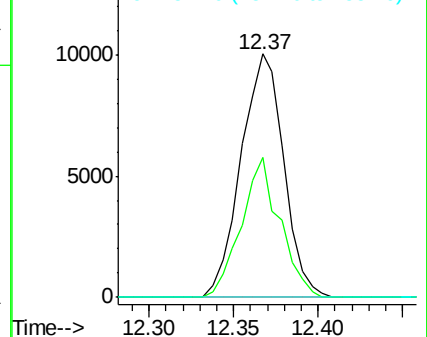
2/25/2020 5:15:37 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

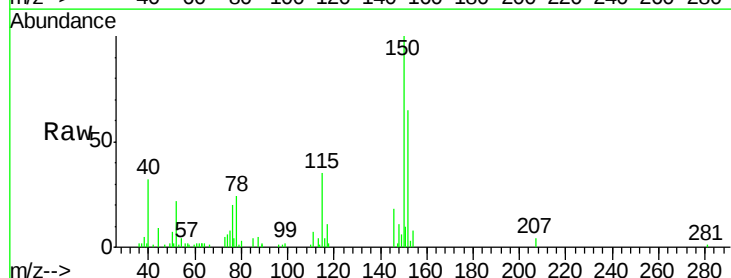
Tgt Ion:152 Resp: 16369

Ion Ratio Lower Upper

152 100

115 55.4 27.6 82.8

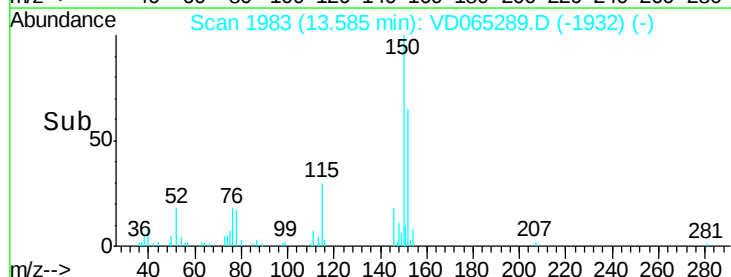
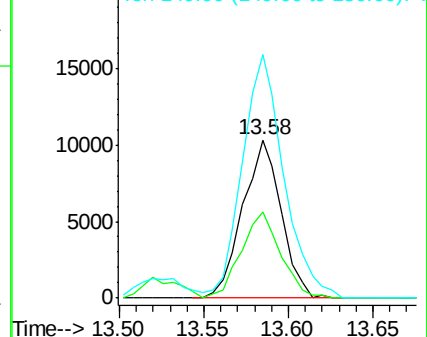
150 165.6 0.0 347.4

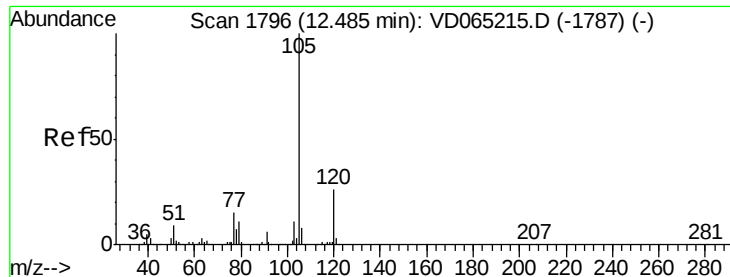


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 37.571 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

Instrument :

MSVOA\_D

ClientSampleId :

DUNR-TS001-01MS

Tot Ion: 105 Resp: 40716

Ion Ratio Lower Upper

105 100

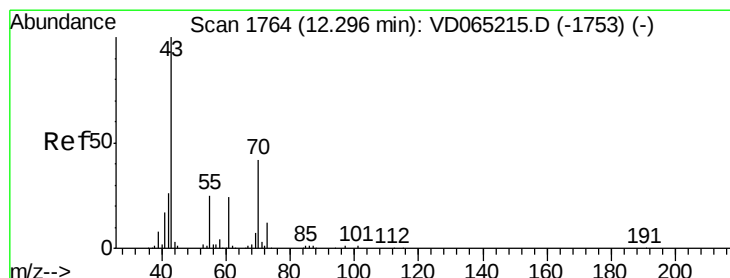
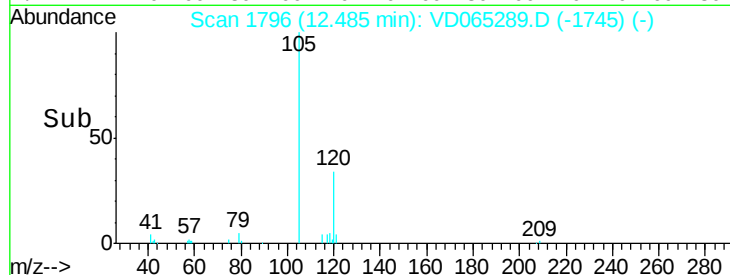
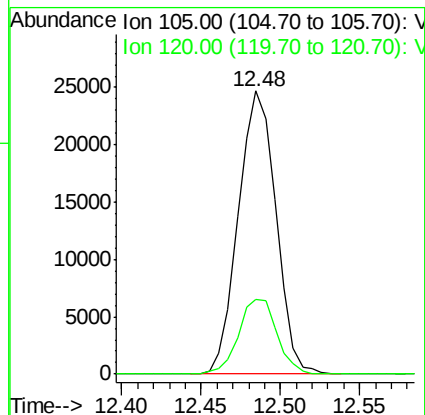
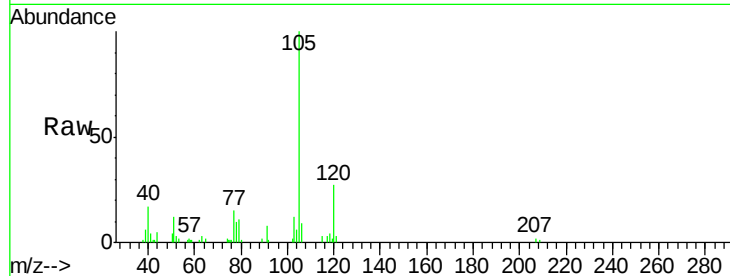
120 27.0 13.3 39.9

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#74

N-ethyl acetate

Concen: 53.982 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

Tgt Ion: 43 Resp: 12999

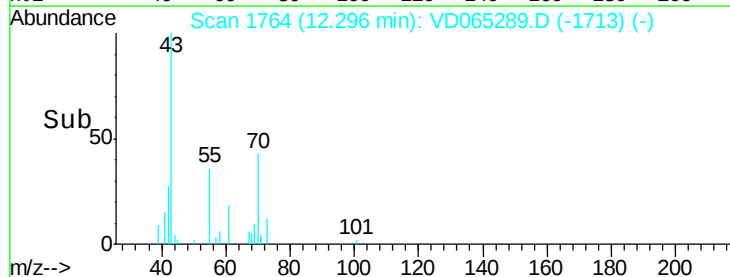
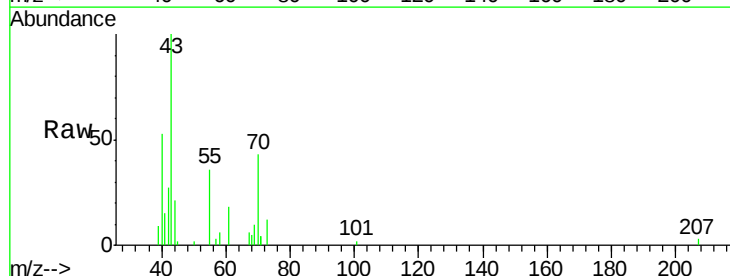
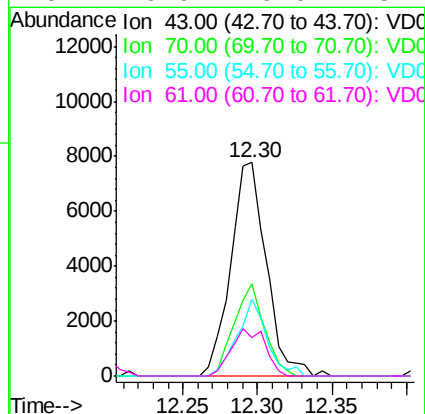
Ion Ratio Lower Upper

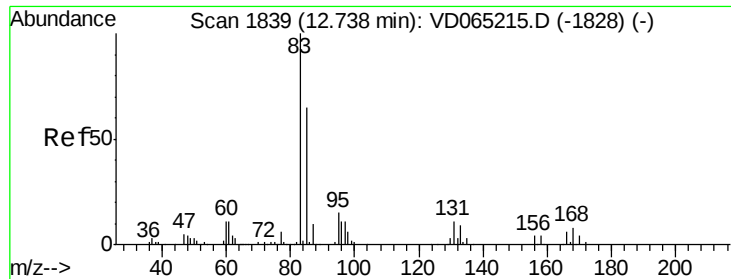
43 100

70 36.7 33.7 50.5

55 29.9 20.7 31.1

61 20.9 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 162.201 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

Instrument :

MSVOA\_D

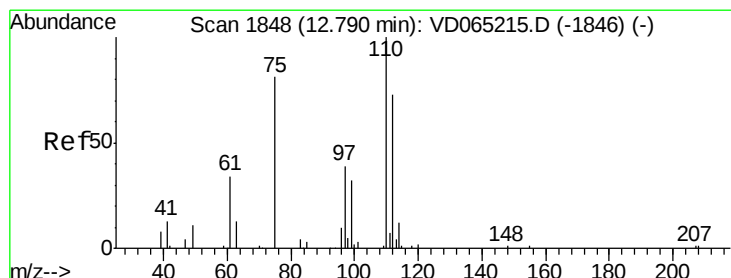
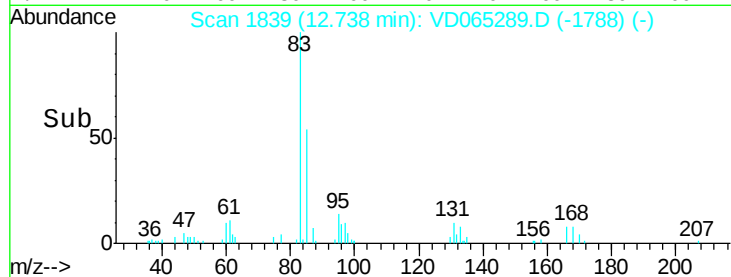
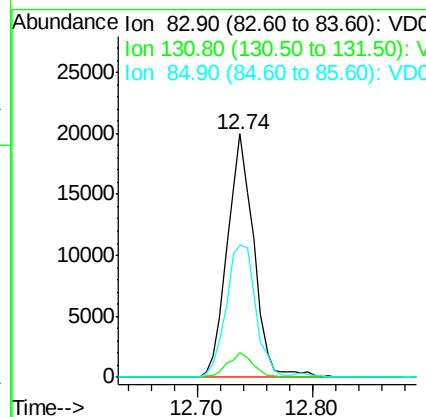
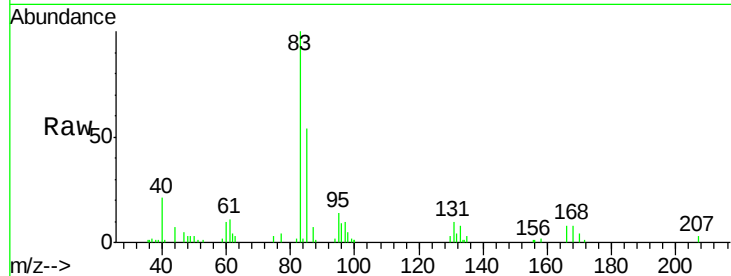
ClientSampleId :

DUNR-TS001-01MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 31724 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 9.8   | 5.4   | 16.2  |
| 85        | 60.6  | 31.6  | 94.8  |

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 155.372 ug/l m

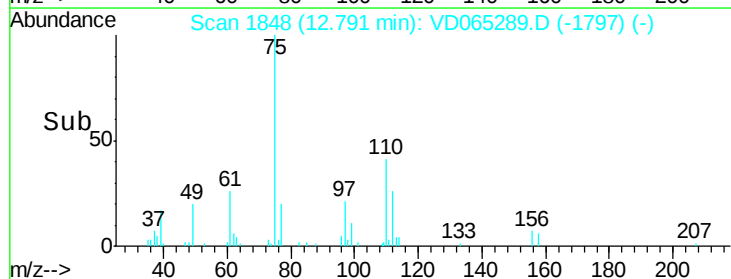
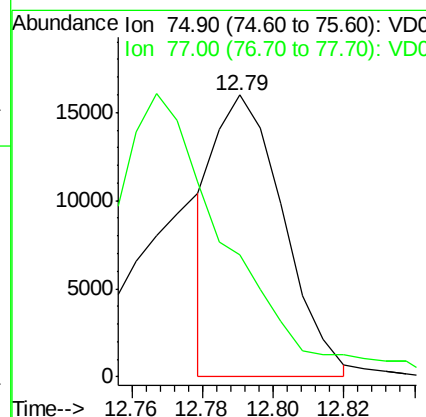
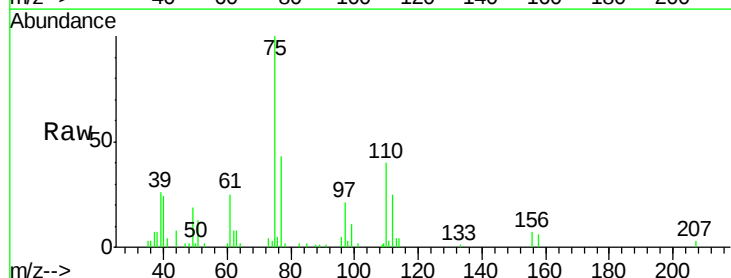
RT: 12.79 min Scan# 1848

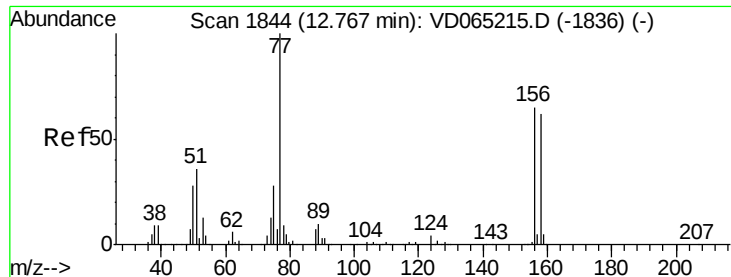
Delta R.T. 0.00 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 21639 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 60.226 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

Instrument :

MSVOA\_D

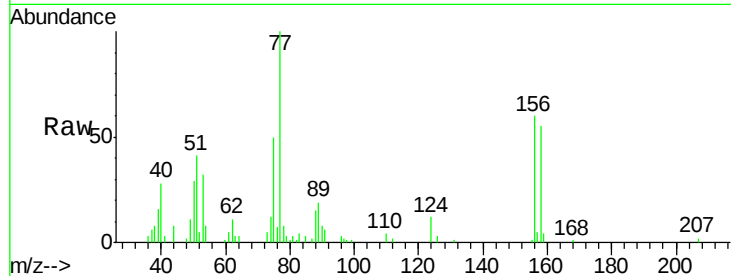
ClientSampleId :

DUNR-TS001-01MS

| Tot Ion   | 156   | Resp  | 16207 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 77        | 223.8 | 86.6  | 259.7 |
| 158       | 92.9  | 48.1  | 144.3 |

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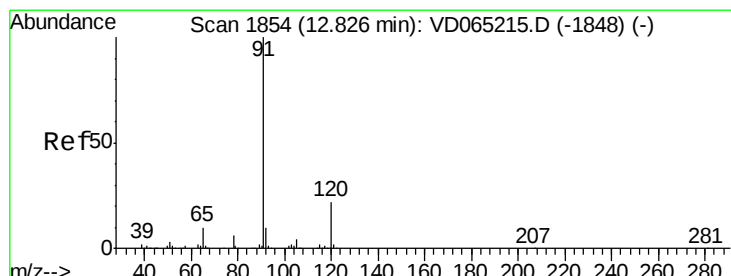
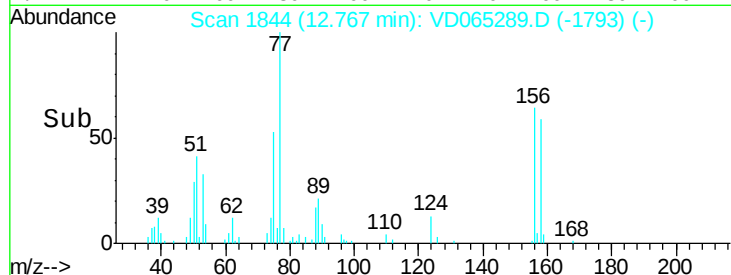
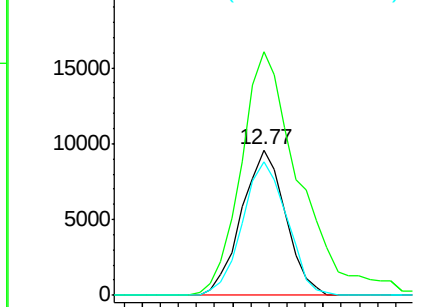
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 33.951 ug/l

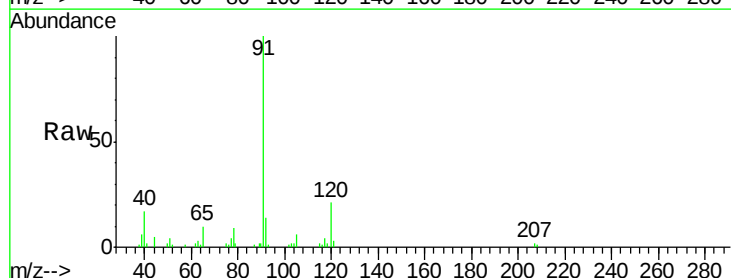
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065289.D

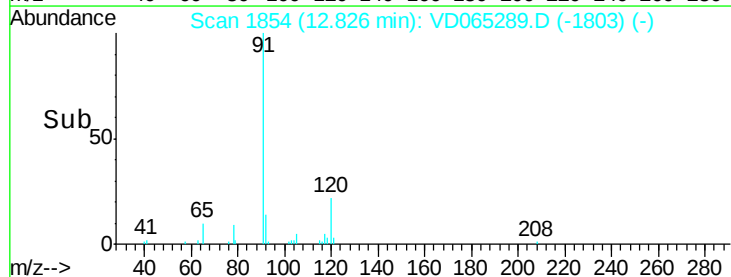
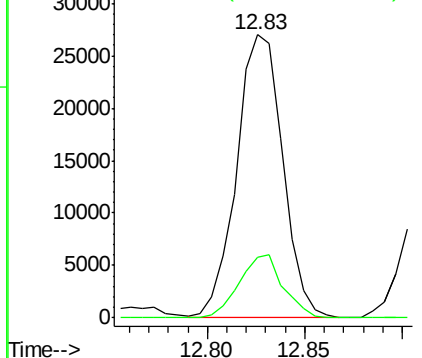
Acq: 24 Feb 2020 12:38

| Tgt Ion   | 91   | Resp  | 44215 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 120       | 21.2 | 11.5  | 34.5  |



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 38.434 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

Instrument :

MSVOA\_D

ClientSampleId :

DUNR-TS001-01MS

Tot Ion: 91 Resp: 28040

Ion Ratio Lower Upper

91 100

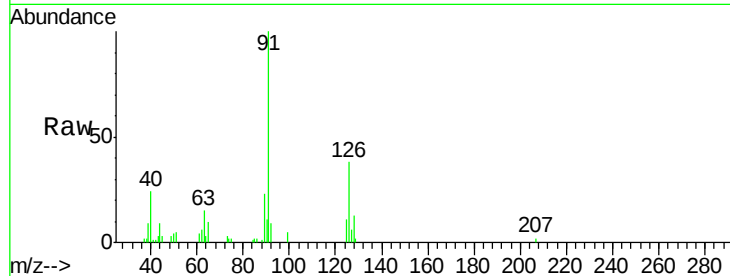
126 37.5 17.5 52.6

Manual Integrations

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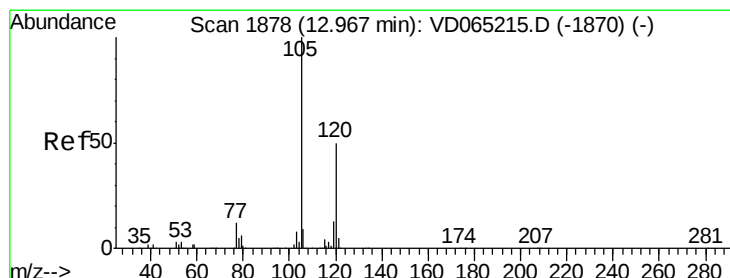
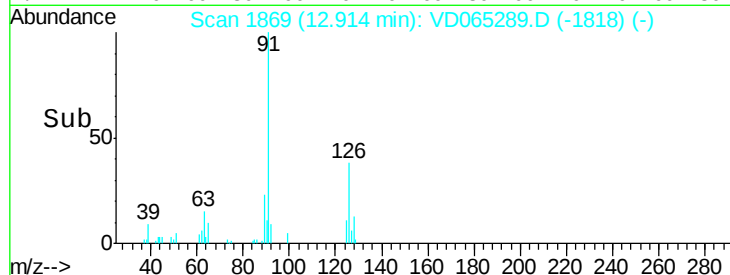
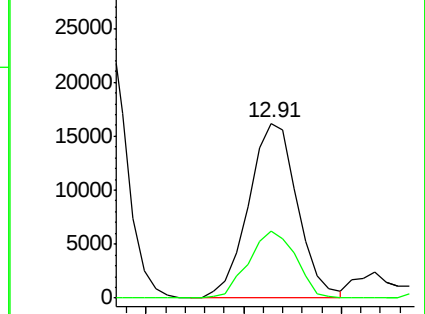
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Abundance Ion 91.00 (90.70 to 91.70): VD065215.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065215.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 35.117 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065289.D

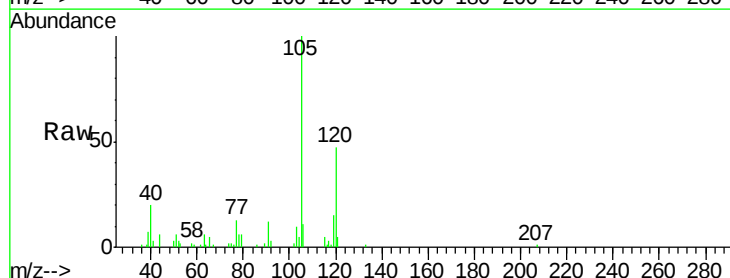
Acq: 24 Feb 2020 12:38

Tgt Ion: 105 Resp: 31344

Ion Ratio Lower Upper

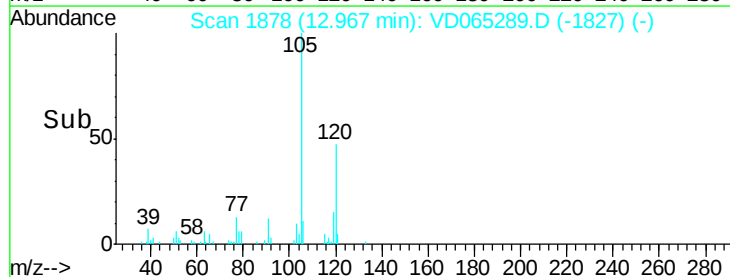
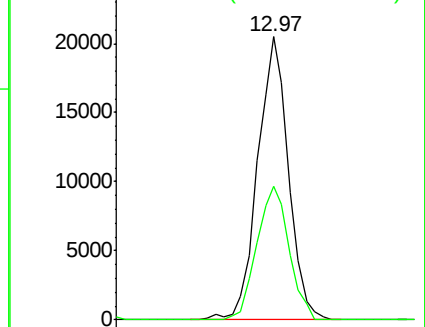
105 100

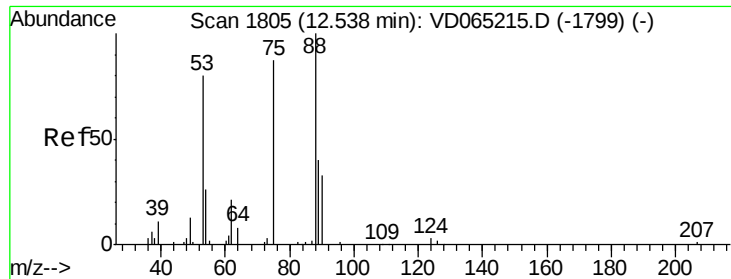
120 49.2 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): VD065215.D (-1870) (-)

Ion 120.00 (119.70 to 120.70): VD065215.D (-1870) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 129.530 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

Instrument :

MSVOA\_D

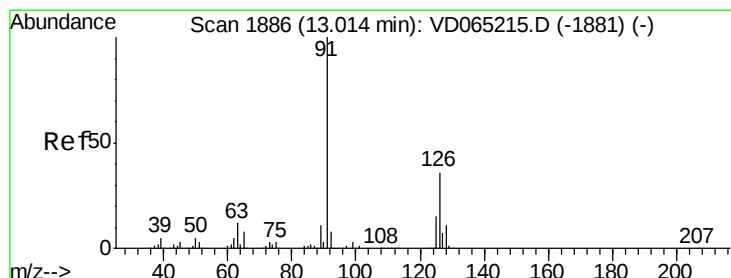
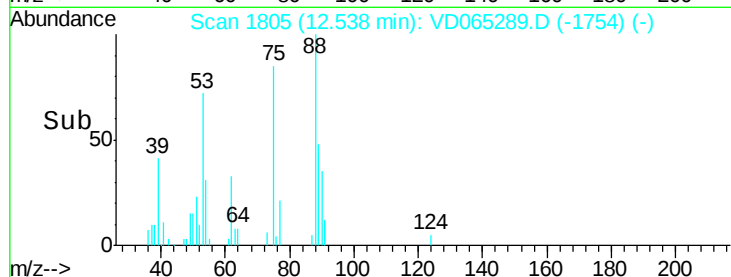
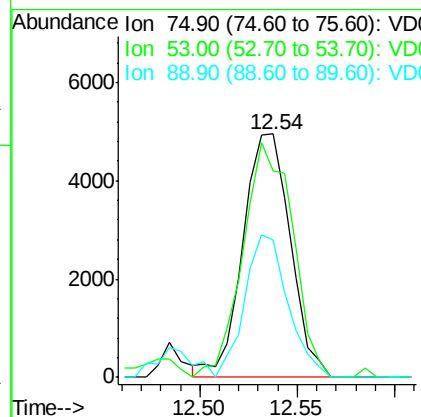
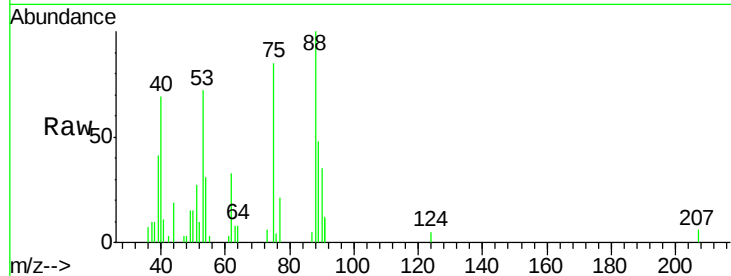
ClientSampleId :

DUNR-TS001-01MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 8355  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 101.2 | 77.6  | 116.4 |
| 89       | 53.3  | 37.2  | 55.8  |

Manual Integrations  
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2/25/2020 5:15:37 PM



#82

4-Chlorotoluene

Concen: 41.304 ug/l

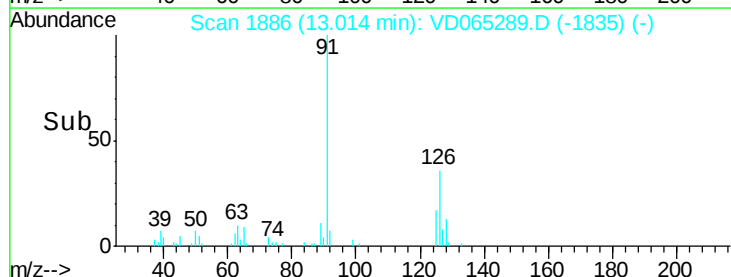
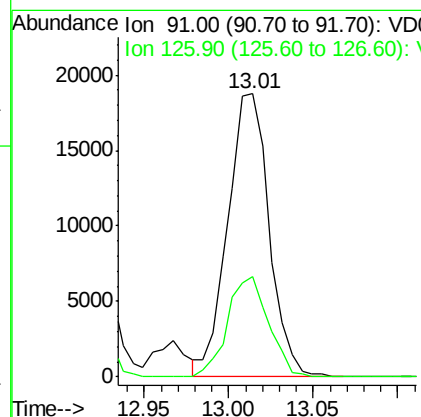
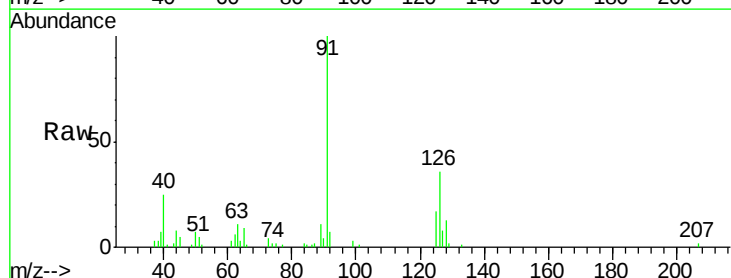
RT: 13.01 min Scan# 1886

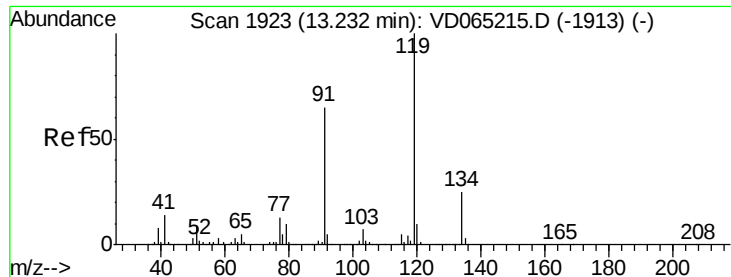
Delta R.T. 0.00 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 31991 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 126      | 35.1  | 17.4  | 52.3  |





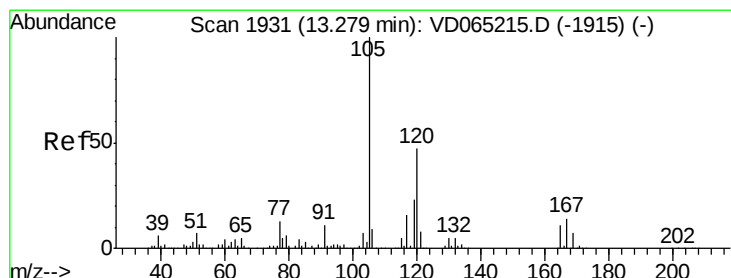
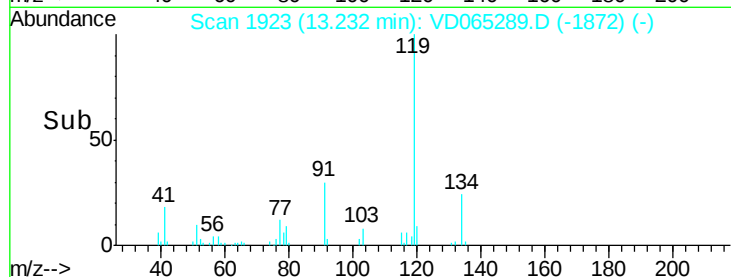
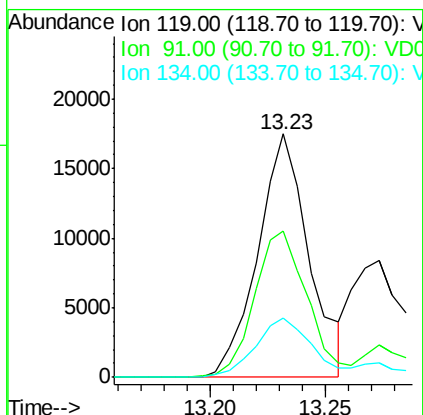
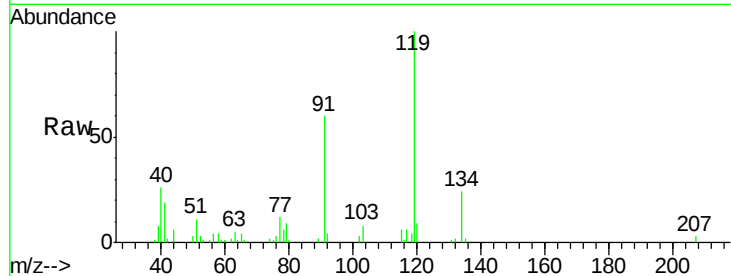
#83  
tert-Butylbenzene  
Concen: 36.089 ug/l  
RT: 13.23 min Scan# 1923  
Delta R.T. 0.00 min  
Lab File: VD065289.D  
Acq: 24 Feb 2020 12:38

Instrument :  
MSVOA\_D  
ClientSampleId :  
DUNR-TS001-01MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 62.4  | 31.9  | 95.5  |
| 134     | 26.9  | 13.8  | 41.3  |

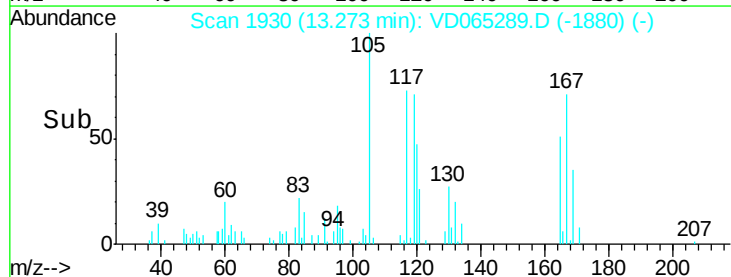
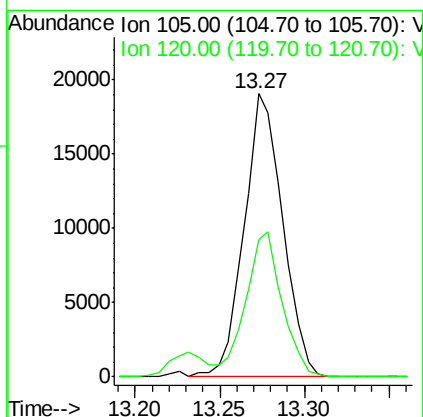
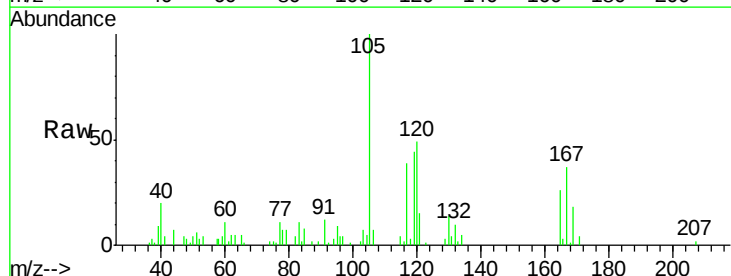
Manual Integrations  
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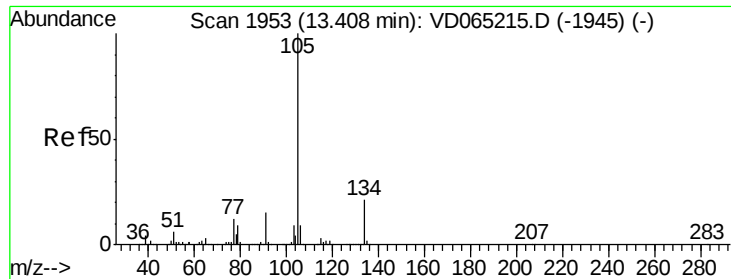
MMDadoda  
2/25/2020 5:15:37 PM



#84  
1,2,4-Trimethylbenzene  
Concen: 33.815 ug/l  
RT: 13.27 min Scan# 1930  
Delta R.T. -0.01 min  
Lab File: VD065289.D  
Acq: 24 Feb 2020 12:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 48.2  | 23.3  | 69.9  |





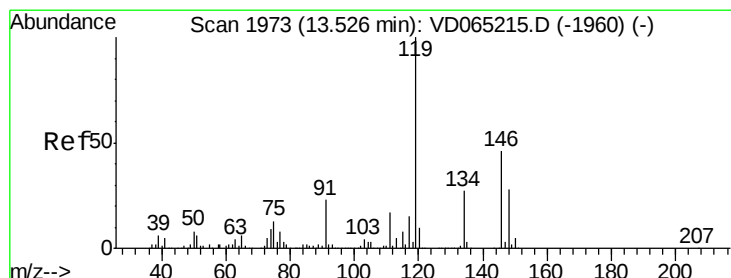
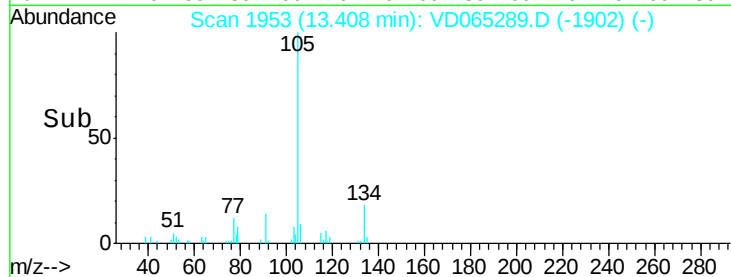
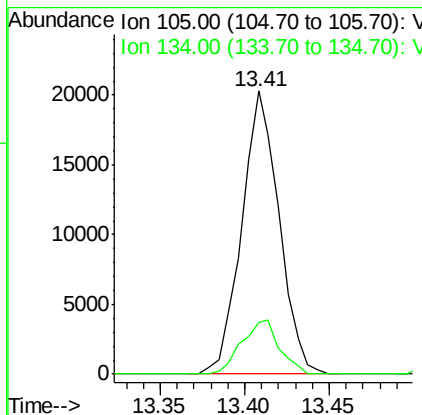
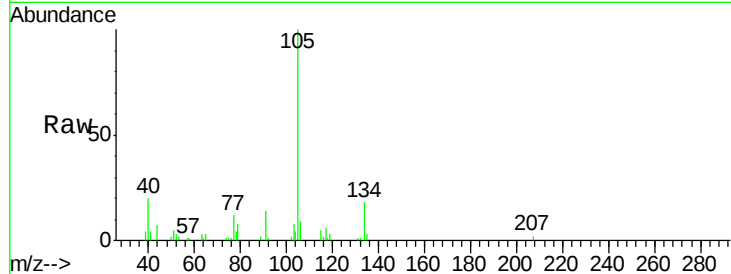
#85  
 sec-Butylbenzene  
 Concen: 29.013 ug/l  
 RT: 13.41 min Scan# 1953  
 Delta R.T. 0.00 min  
 Lab File: VD065289.D  
 Acq: 24 Feb 2020 12:38

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 DUNR-TS001-01MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 19.2  | 10.3  | 30.9  |

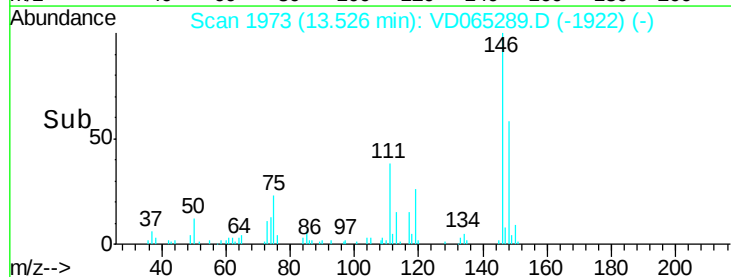
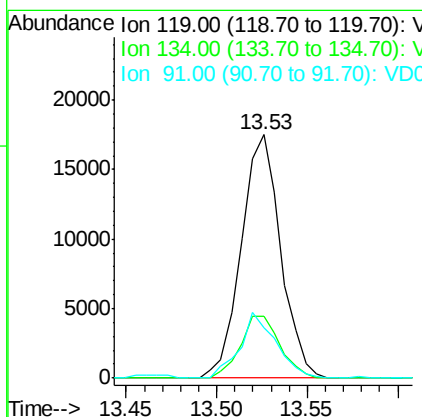
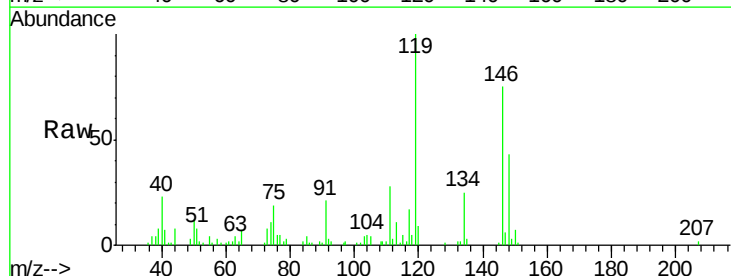
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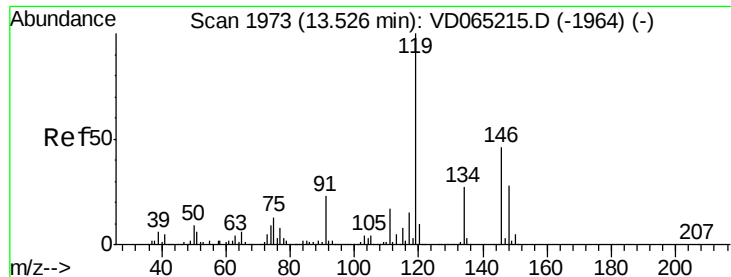
MMDadoda  
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#86  
 p-Isopropyltoluene  
 Concen: 26.760 ug/l  
 RT: 13.53 min Scan# 1973  
 Delta R.T. 0.00 min  
 Lab File: VD065289.D  
 Acq: 24 Feb 2020 12:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 25.8  | 13.3  | 39.8  |
| 91      | 24.6  | 11.1  | 33.1  |





#87

1,3-Dichlorobenzene

Concen: 40.810 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

Instrument :

MSVOA\_D

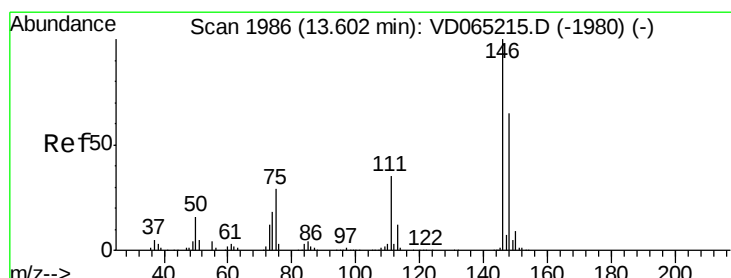
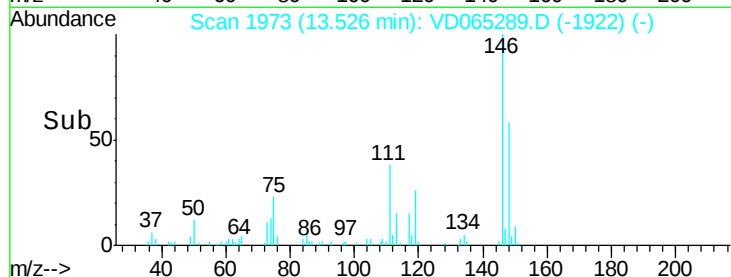
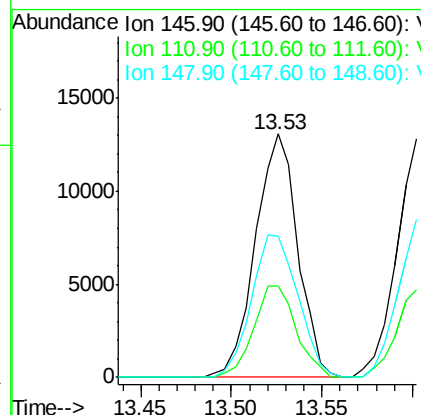
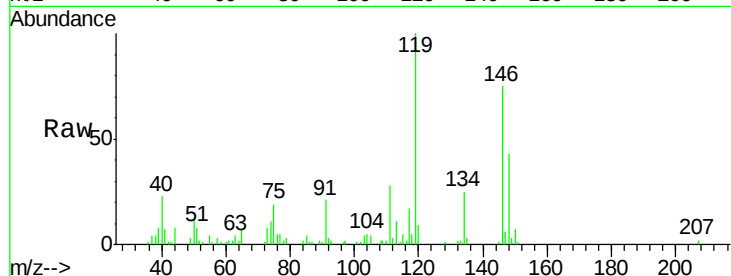
ClientSampleId :

DUNR-TS001-01MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 146   | Resp: | 21231 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 37.8  | 18.6  | 55.8  |
| 148       | 63.9  | 31.4  | 94.3  |

Manual Integrations  
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#88

1,4-Dichlorobenzene

Concen: 42.577 ug/l

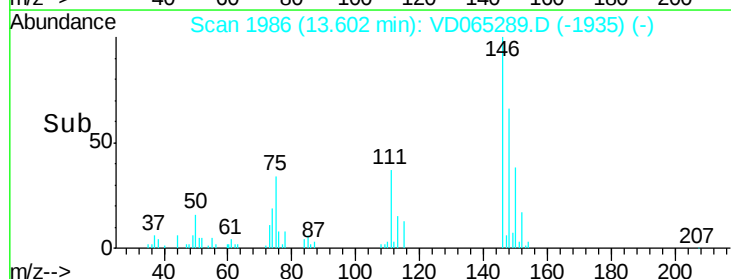
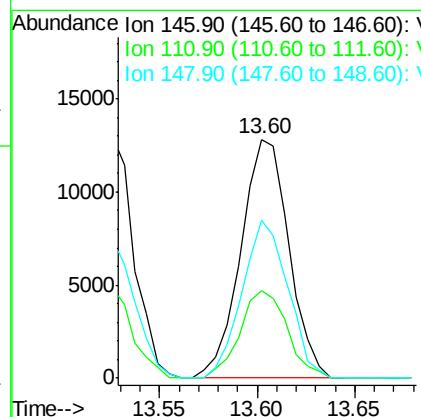
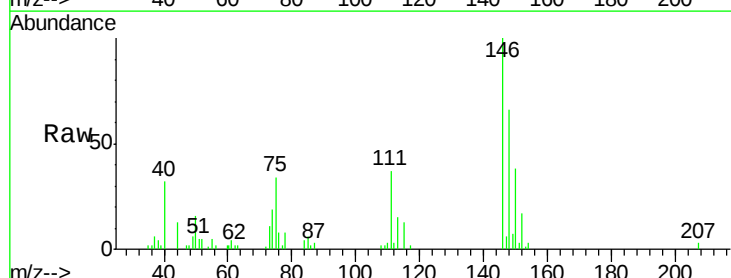
RT: 13.60 min Scan# 1986

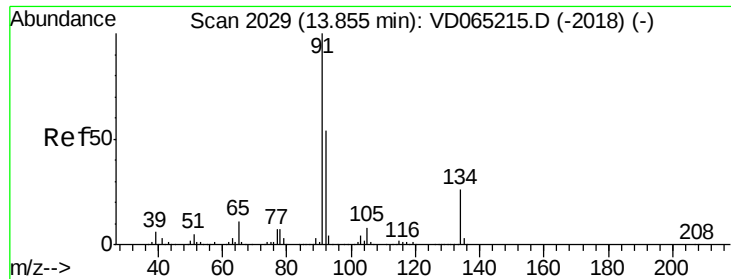
Delta R.T. 0.00 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 21861 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 35.8  | 18.4  | 55.2  |
| 148       | 63.1  | 32.1  | 96.5  |





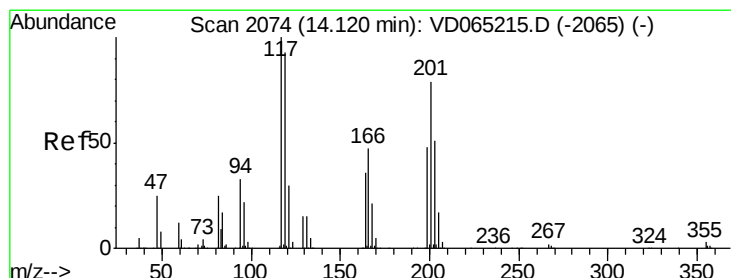
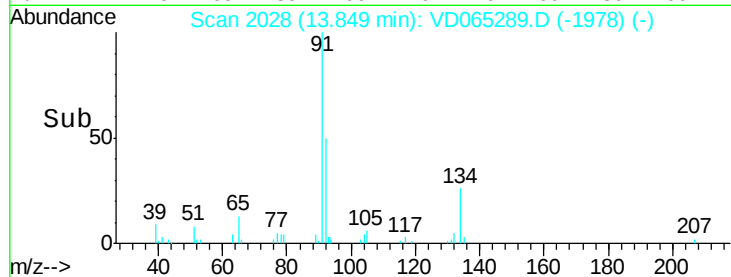
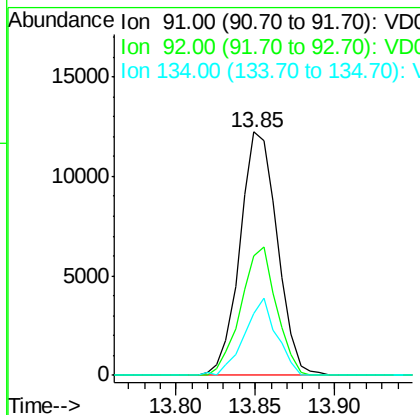
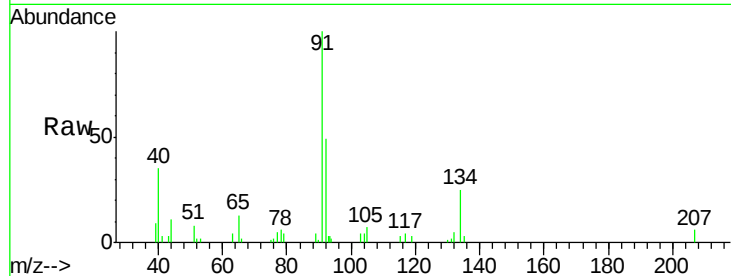
#89  
n-Butylbenzene  
Concen: 21.972 ug/l  
RT: 13.85 min Scan# 2028  
Delta R.T. -0.01 min  
Lab File: VD065289.D  
Acq: 24 Feb 2020 12:38

Instrument :  
MSVOA\_D  
ClientSampleId :  
DUNR-TS001-01MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 50.1  | 27.0  | 80.8  |
| 134     | 27.1  | 13.5  | 40.4  |

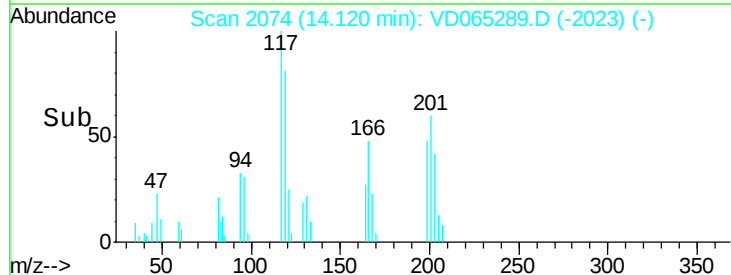
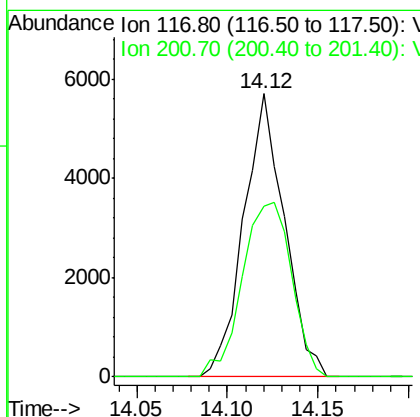
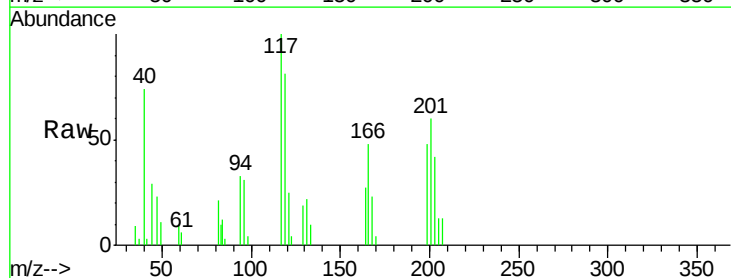
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#90  
Hexachloroethane  
Concen: 44.514 ug/l  
RT: 14.12 min Scan# 2074  
Delta R.T. 0.00 min  
Lab File: VD065289.D  
Acq: 24 Feb 2020 12:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 74.6  | 41.3  | 124.1 |





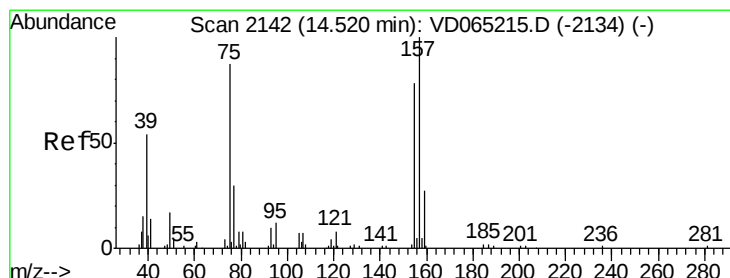
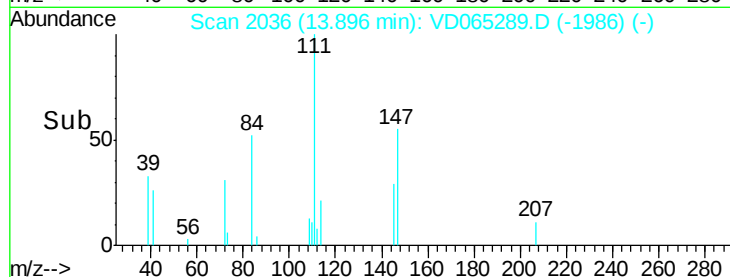
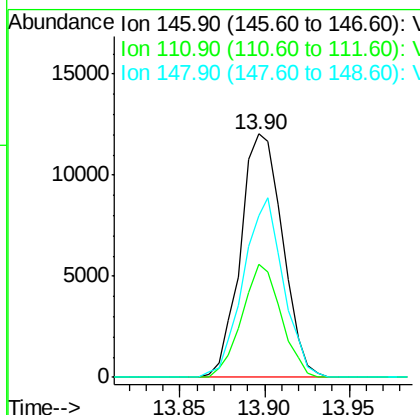
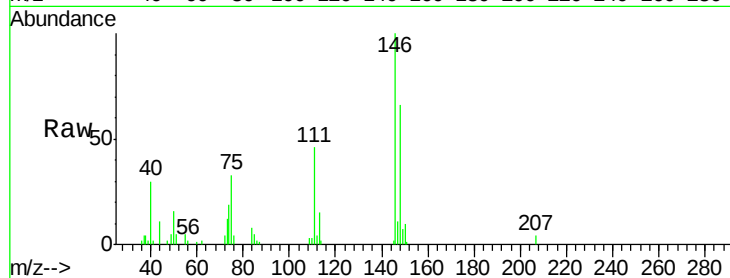
#91  
 1,2-Dichlorobenzene  
 Concen: 46.831 ug/l  
 RT: 13.90 min Scan# 2036  
 Delta R.T. -0.01 min  
 Lab File: VD065289.D  
 Acq: 24 Feb 2020 12:38

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 DUNR-TS001-01MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 43.0  | 19.7  | 59.0  |
| 148     | 70.1  | 32.0  | 96.2  |

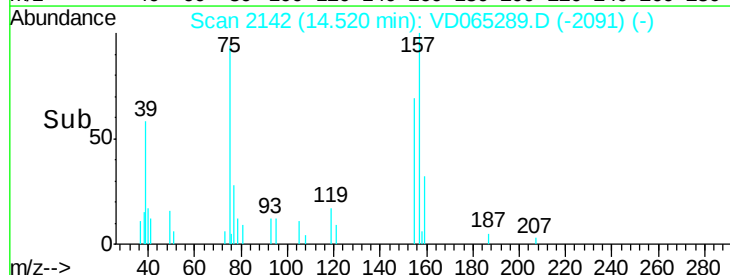
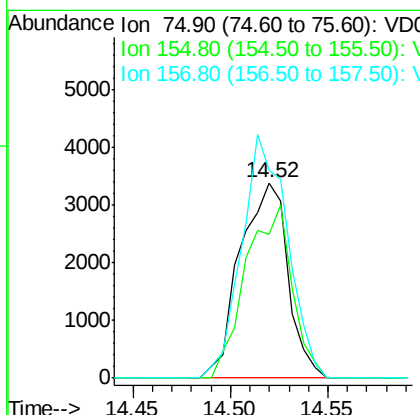
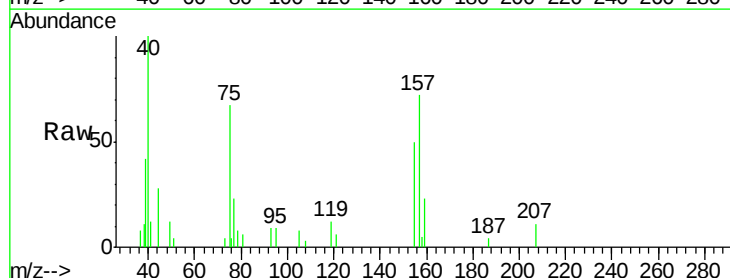
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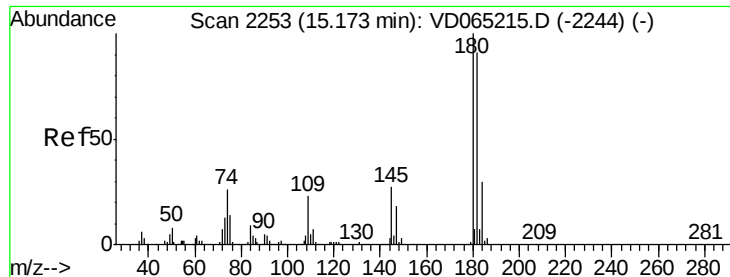
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 190.309 ug/l  
 RT: 14.52 min Scan# 2142  
 Delta R.T. 0.00 min  
 Lab File: VD065289.D  
 Acq: 24 Feb 2020 12:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 85.8  | 42.3  | 126.9 |
| 157     | 118.8 | 56.7  | 170.1 |





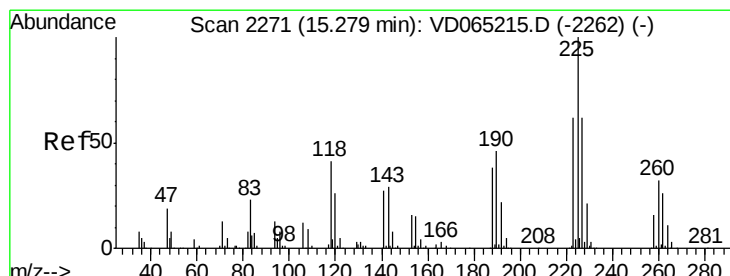
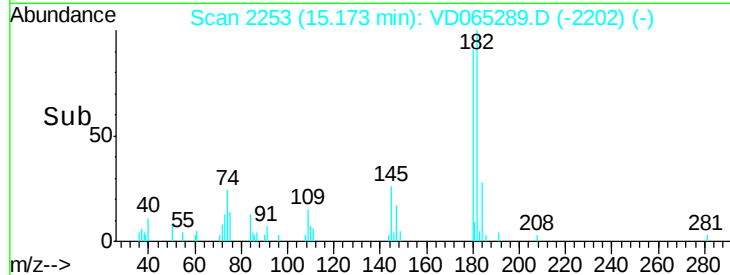
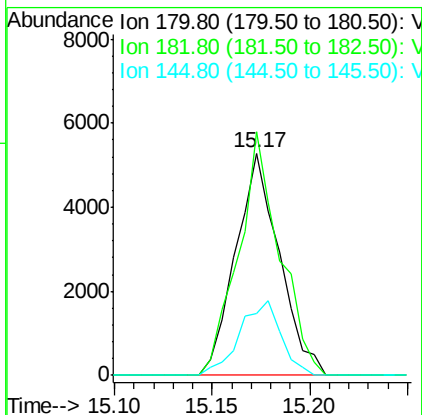
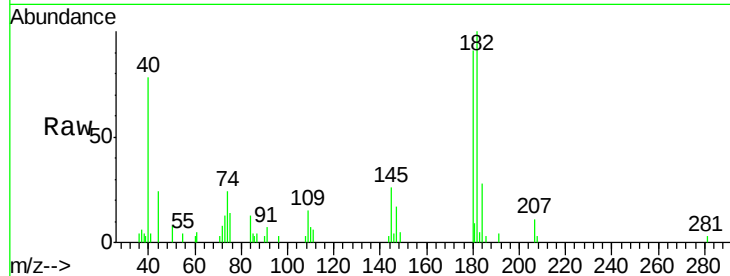
#93  
 1,2,4-Trichlorobenzene  
 Concen: 27.979 ug/l  
 RT: 15.17 min Scan# 2253  
 Delta R.T. 0.00 min  
 Lab File: VD065289.D  
 Acq: 24 Feb 2020 12:38

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 DUNR-TS001-01MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 180   | Resp: | 8175  |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 103.7 | 46.9  | 140.6 |
| 145       | 31.7  | 13.9  | 41.7  |

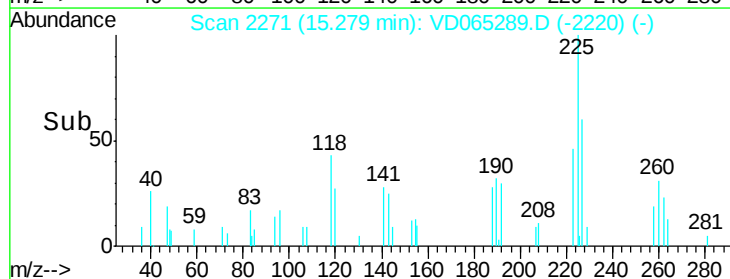
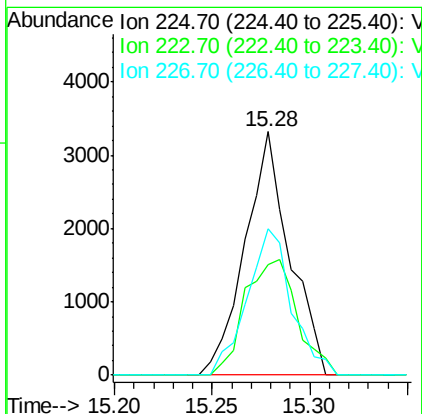
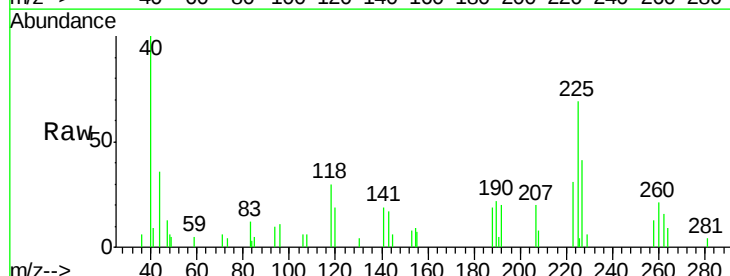
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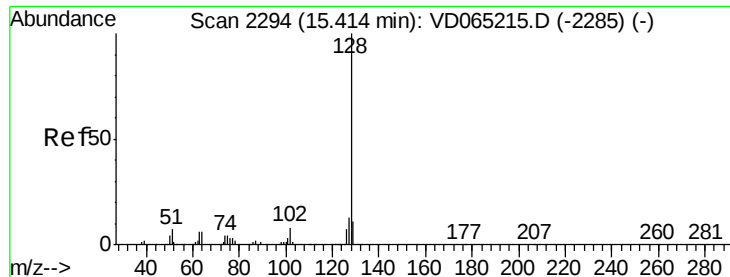
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 2/25/2020 5:15:37 PM



#94  
 Hexachlorobutadiene  
 Concen: 27.999 ug/l  
 RT: 15.28 min Scan# 2271  
 Delta R.T. 0.00 min  
 Lab File: VD065289.D  
 Acq: 24 Feb 2020 12:38

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 5248 |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 55.4  | 31.4  | 94.2 |
| 227       | 60.2  | 31.7  | 95.1 |





#95

Naphthalene

Concen: 58.718 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

Instrument :

MSVOA\_D

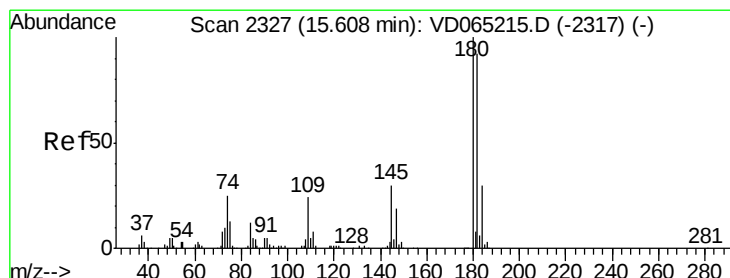
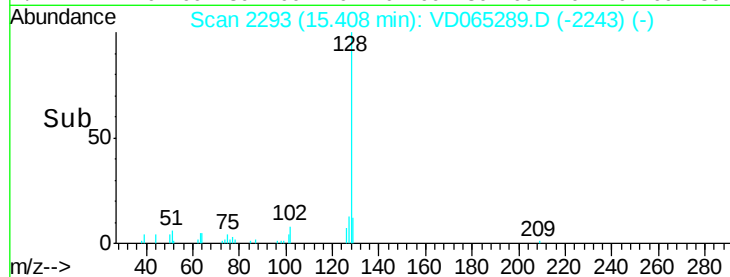
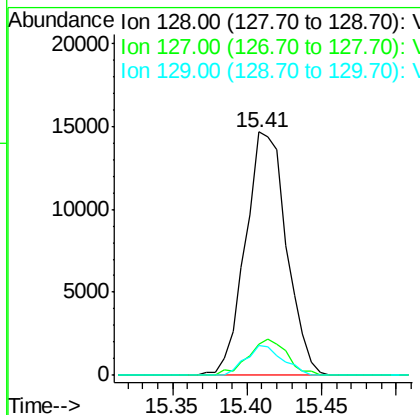
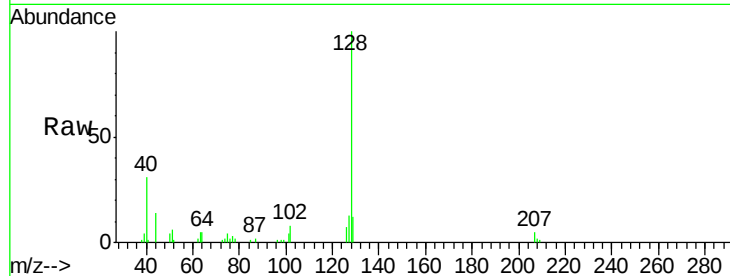
ClientSampleId :

DUNR-TS001-01MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 128   | Resp: | 27891 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 13.9  | 10.3  | 15.5  |
| 129       | 10.9  | 8.8   | 13.2  |

Manual Integrations  
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#96

1,2,3-Trichlorobenzene

Concen: 35.112 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 8960  |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 88.9  | 46.9  | 140.6 |
| 145       | 27.6  | 15.4  | 46.1  |

