

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040920\  
 Data File : VD065607.D  
 Acq On : 09 Apr 2020 11:07  
 Operator : VA/SY  
 Sample : VSTDIC010  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC010

Manual Integrations  
 APPROVED

MMDadoda  
 4/10/2020 2:58:37 PM

Quant Time: Apr 10 01:21:48 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D040920S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Apr 10 01:11:51 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 453411   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 665963   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 638625   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 329205   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |      |        |      |
|---------------------------|--------|-----|----------|------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.34   | 65  | 41990    | 9.79 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 19.58% |      |
| 35) Dibromofluoromethane  | 7.92   | 113 | 42525    | 9.14 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 18.28% |      |
| 50) Toluene-d8            | 10.34  | 98  | 155628   | 9.16 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 18.32% |      |
| 62) 4-Bromofluorobenzene  | 12.64  | 95  | 48895    | 8.96 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 17.92% |      |

## Target Compounds

|                               |      |     |        |        | Qvalue    |
|-------------------------------|------|-----|--------|--------|-----------|
| 2) Dichlorodifluoromethane    | 1.99 | 85  | 38962  | 9.529  | ug/l 97   |
| 3) Chloromethane              | 2.21 | 50  | 51942  | 10.216 | ug/l 99   |
| 4) Vinyl Chloride             | 2.35 | 62  | 46934  | 9.873  | ug/l 100  |
| 5) Bromomethane               | 2.77 | 94  | 34122  | 10.178 | ug/l 91   |
| 6) Chloroethane               | 2.92 | 64  | 29440  | 10.056 | ug/l 99   |
| 7) Trichlorofluoromethane     | 3.27 | 101 | 72373  | 10.038 | ug/l 89   |
| 8) Diethyl Ether              | 3.71 | 74  | 14568  | 9.779  | ug/l 96   |
| 9) 1,1,2-Trichlorotrifluoroet | 4.09 | 101 | 46533  | 9.873  | ug/l 97   |
| 10) Methyl Iodide             | 4.29 | 142 | 38290  | 8.256  | ug/l 96   |
| 11) Tert butyl alcohol        | 5.24 | 59  | 9482   | 43.413 | ug/l 95   |
| 12) 1,1-Dichloroethene        | 4.06 | 96  | 42754  | 9.835  | ug/l 98   |
| 13) Acrolein                  | 3.92 | 56  | 15632  | 52.022 | ug/l 97   |
| 14) Allyl chloride            | 4.71 | 41  | 61274  | 9.502  | ug/l 99   |
| 15) Acrylonitrile             | 5.44 | 53  | 43155  | 49.125 | ug/l 99   |
| 16) Acetone                   | 4.16 | 43  | 39644  | 51.197 | ug/l 99   |
| 17) Carbon Disulfide          | 4.40 | 76  | 142997 | 9.886  | ug/l 99   |
| 18) Methyl Acetate            | 4.72 | 43  | 22338  | 9.828  | ug/l 98   |
| 19) Methyl tert-butyl Ether   | 5.48 | 73  | 77295  | 9.198  | ug/l 99   |
| 20) Methylene Chloride        | 4.96 | 84  | 52011  | 10.161 | ug/l 98   |
| 21) trans-1,2-Dichloroethene  | 5.47 | 96  | 47314  | 9.590  | ug/l 90   |
| 22) Diisopropyl ether         | 6.37 | 45  | 116615 | 9.408  | ug/l 90   |
| 23) Vinyl Acetate             | 6.31 | 43  | 296546 | 46.560 | ug/l 97   |
| 24) 1,1-Dichloroethane        | 6.26 | 63  | 80495  | 9.761  | ug/l 97   |
| 25) 2-Butanone                | 7.22 | 43  | 51820  | 48.893 | ug/l 91   |
| 26) 2,2-Dichloropropane       | 7.21 | 77  | 73801  | 10.000 | ug/l 98   |
| 27) cis-1,2-Dichloroethene    | 7.21 | 96  | 49284  | 9.760  | ug/l 99   |
| 28) Bromochloromethane        | 7.55 | 49  | 34514  | 10.428 | ug/l 99   |
| 29) Tetrahydrofuran           | 7.57 | 42  | 31068  | 46.647 | ug/l 96   |
| 30) Chloroform                | 7.71 | 83  | 86619  | 10.032 | ug/l 99   |
| 31) Cyclohexane               | 7.99 | 56  | 73425  | 9.599  | ug/l # 92 |
| 32) 1,1,1-Trichloroethane     | 7.91 | 97  | 75663  | 9.696  | ug/l 98   |
| 36) 1,1-Dichloropropene       | 8.11 | 75  | 64229  | 9.368  | ug/l 99   |
| 37) Ethyl Acetate             | 7.30 | 43  | 22684  | 8.911  | ug/l 97   |
| 38) Carbon Tetrachloride      | 8.10 | 117 | 70225  | 9.433  | ug/l 92   |

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 VSTDIC010

Manual Integrations  
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 4/10/2020 2:58:37 PM

Quant Time: Apr 10 01:21:48 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D040920S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Apr 10 01:11:51 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.36  | 83   | 66395    | 8.554   | ug/l   | 92       |
| 40) Benzene                    | 8.36  | 78   | 183393   | 9.362   | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.53  | 41   | 12224    | 8.215   | ug/l # | 100      |
| 42) 1,2-Dichloroethane         | 8.43  | 62   | 53646    | 9.804   | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.46  | 43   | 42395    | 9.128   | ug/l   | 96       |
| 44) Trichloroethene            | 9.12  | 130  | 53962    | 9.585   | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 9.39  | 63   | 45083    | 9.451   | ug/l   | 94       |
| 46) Dibromomethane             | 9.48  | 93   | 24836    | 9.687   | ug/l   | 95       |
| 47) Bromodichloromethane       | 9.67  | 83   | 64852    | 9.646   | ug/l   | 97       |
| 48) Methyl methacrylate        | 9.46  | 41   | 19339    | 8.977   | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.47  | 88   | 5196     | 191.353 | ug/l   | 100      |
| 51) 4-Methyl-2-Pentanone       | 10.23 | 43   | 108736   | 45.429  | ug/l   | 98       |
| 52) Toluene                    | 10.41 | 92   | 114202   | 9.220   | ug/l   | 96       |
| 53) t-1,3-Dichloropropene      | 10.63 | 75   | 54161    | 9.076   | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene    | 10.10 | 75   | 69123    | 9.460   | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane      | 10.81 | 97   | 35792    | 9.948   | ug/l   | 96       |
| 56) Ethyl methacrylate         | 10.67 | 69   | 31422    | 8.659   | ug/l   | 96       |
| 57) 1,3-Dichloropropane        | 10.95 | 76   | 56335    | 9.453   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.95  | 63   | 85939    | 45.096  | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.99 | 43   | 71586    | 45.002  | ug/l   | 95       |
| 60) Dibromochloromethane       | 11.15 | 129  | 46775    | 9.761   | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.25 | 107  | 33054    | 9.664   | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.88 | 164  | 47895    | 9.429   | ug/l   | 99       |
| 65) Chlorobenzene              | 11.68 | 112  | 128567   | 9.296   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.75 | 131  | 48925    | 9.286   | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.75 | 91   | 199272   | 8.725   | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.86 | 106  | 160636   | 17.828  | ug/l   | 99       |
| 69) o-Xylene                   | 12.18 | 106  | 66898    | 8.616   | ug/l   | 98       |
| 70) Styrene                    | 12.20 | 104  | 118863   | 8.659   | ug/l   | 99       |
| 71) Bromoform                  | 12.37 | 173  | 28439    | 9.624   | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.48 | 105  | 181026   | 8.630   | ug/l   | 99       |
| 74) N-amyl acetate             | 12.30 | 43   | 37390    | 9.001   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.74 | 83   | 37860    | 9.819   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 12.79 | 75   | 29567m   | 6.685   | ug/l   |          |
| 77) Bromobenzene               | 12.77 | 156  | 52717    | 9.167   | ug/l   | 96       |
| 78) n-propylbenzene            | 12.83 | 91   | 225460   | 8.906   | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.91 | 91   | 132338   | 9.121   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.97 | 105  | 153276   | 8.670   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.54 | 75   | 10041    | 8.809   | ug/l   | 91       |
| 82) 4-Chlorotoluene            | 13.01 | 91   | 143591   | 9.195   | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.23 | 119  | 121060   | 8.189   | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene     | 13.28 | 105  | 154304   | 8.783   | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.41 | 105  | 185408   | 8.814   | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.53 | 119  | 166787   | 8.592   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.53 | 146  | 104542   | 9.427   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.61 | 146  | 105300   | 9.507   | ug/l   | 97       |
| 89) n-Butylbenzene             | 13.86 | 91   | 149711   | 8.546   | ug/l   | 98       |
| 90) Hexachloroethane           | 14.12 | 117  | 39169    | 9.250   | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 13.90 | 146  | 89879    | 9.527   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.52 | 75   | 5677     | 9.545   | ug/l   | 96       |

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Sample : VSTDICC010  
Misc : 5.00G/5.00ml/MSVOA D/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC010

Manual Integrations  
APPROVED

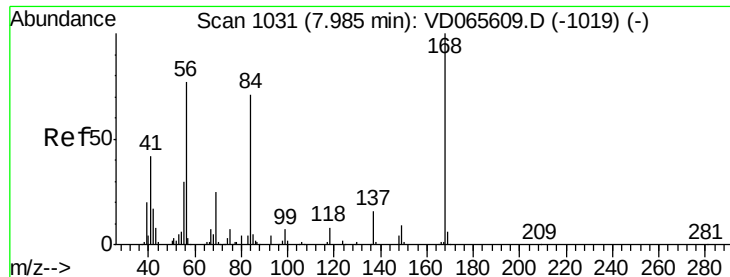
MMDadoda  
4/10/2020 2:58:37 PM

Quant Time: Apr 10 01:21:48 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D040920S.M  
Quant Title : SW846 8260  
QLast Update : Fri Apr 10 01:11:51 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.18 | 180  | 54736    | 8.833 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.28 | 225  | 40469    | 9.395 | ug/l  | 99       |
| 95) Naphthalene            | 15.41 | 128  | 70869    | 7.893 | ug/l  | 98       |
| 96) 1,2,3-Trichlorobenzene | 15.61 | 180  | 46835    | 8.731 | ug/l  | 99       |

(#) = 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: VD065607.D

Acq: 09 Apr 2020 11:07

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 453411

Ion Ratio Lower Upper

168 100

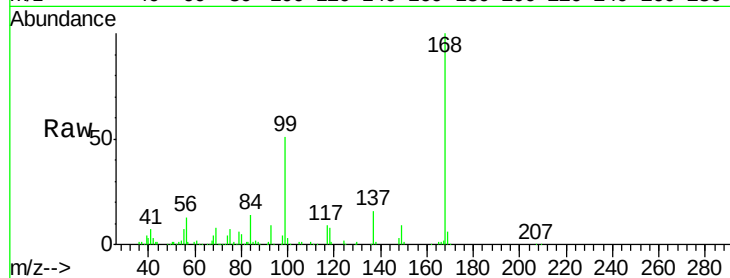
99 51.0 40.2 60.2

Manual Integrations

APPROVED

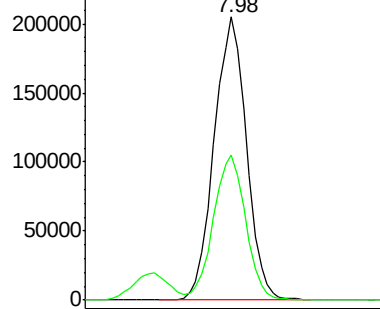
MMDadoda

4/10/2020 2:58:37 PM

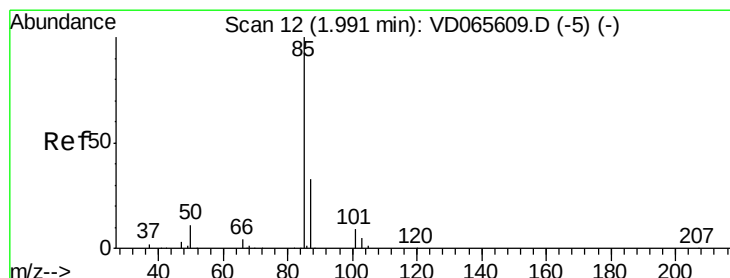
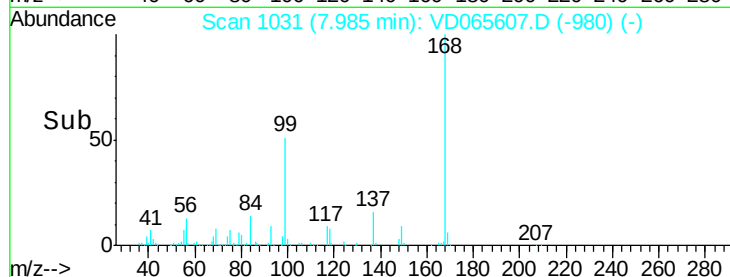


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



Time-->



#2

Dichlorodifluoromethane

Concen: 9.529 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065607.D

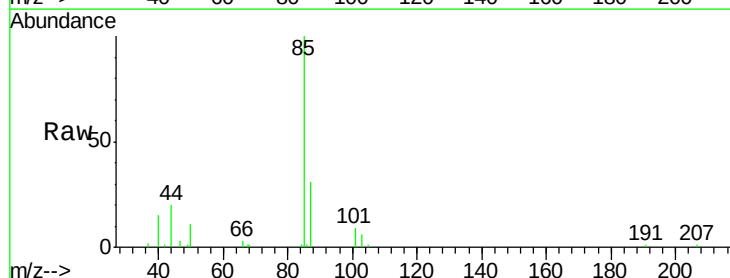
Acq: 09 Apr 2020 11:07

Tgt Ion: 85 Resp: 38962

Ion Ratio Lower Upper

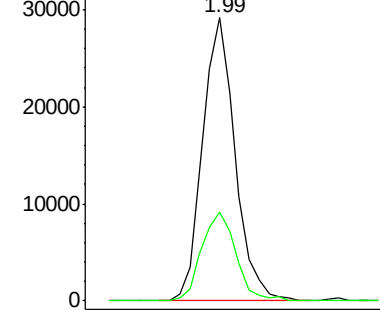
85 100

87 31.4 16.6 49.8

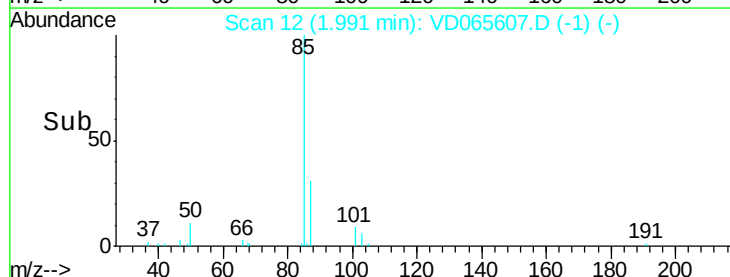


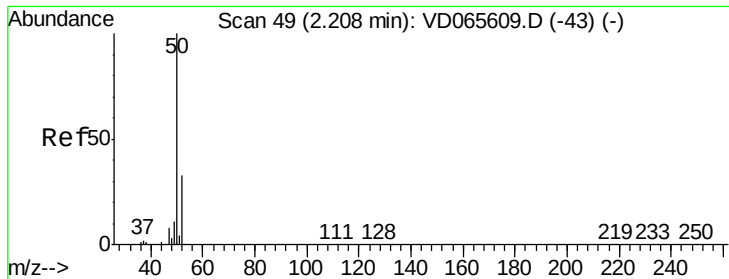
Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC



Time-->





#3

Chloromethane

Concen: 10.216 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065607.D

Acq: 09 Apr 2020 11:07

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 51942

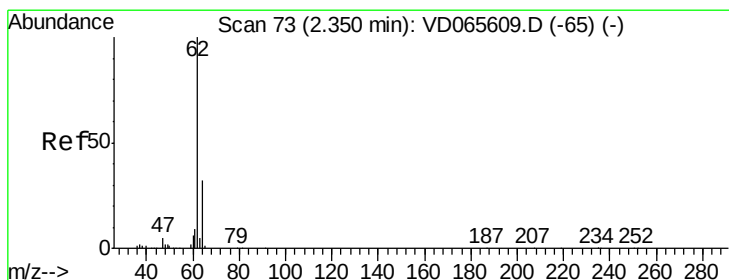
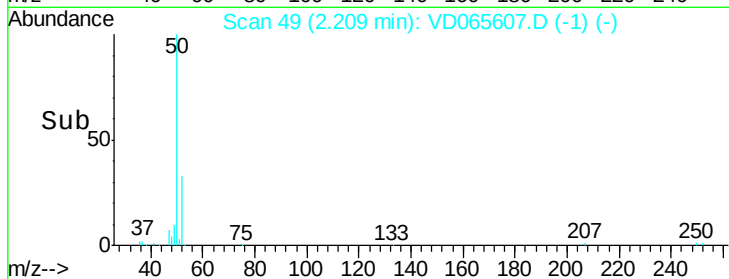
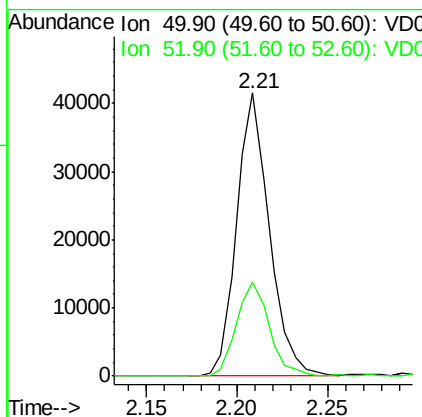
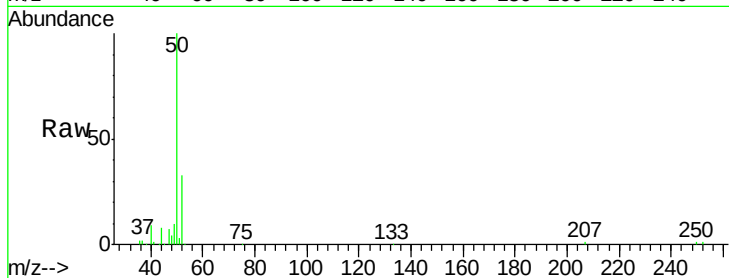
Ion Ratio Lower Upper

50 100

52 33.1 26.2 39.4

Manual Integrations  
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4/10/2020 2:58:37 PM



#4

Vinyl Chloride

Concen: 9.873 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065607.D

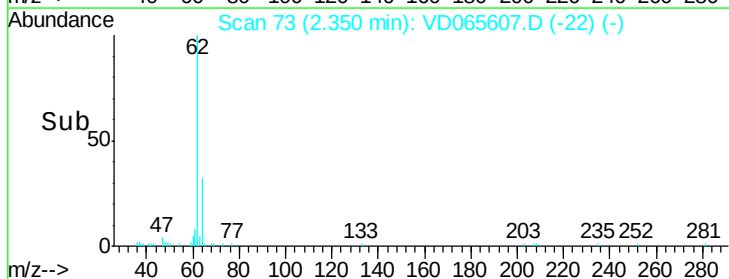
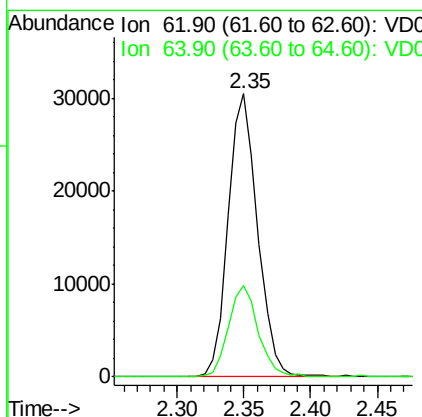
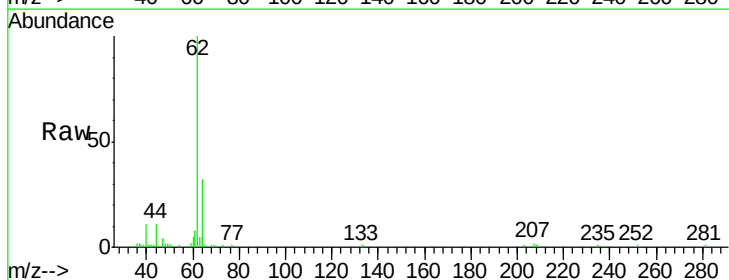
Acq: 09 Apr 2020 11:07

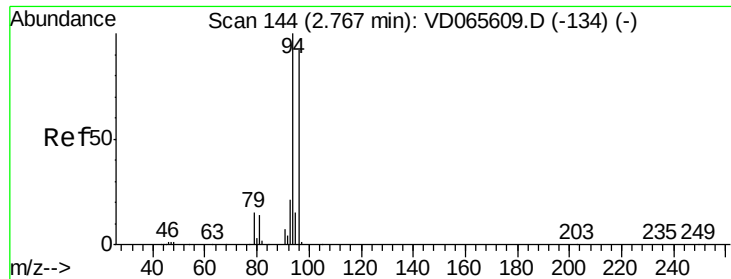
Tgt Ion: 62 Resp: 46934

Ion Ratio Lower Upper

62 100

64 32.4 25.8 38.6





#5

Bromomethane

Concen: 10.178 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD065607.D

Acq: 09 Apr 2020 11:07

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 34122

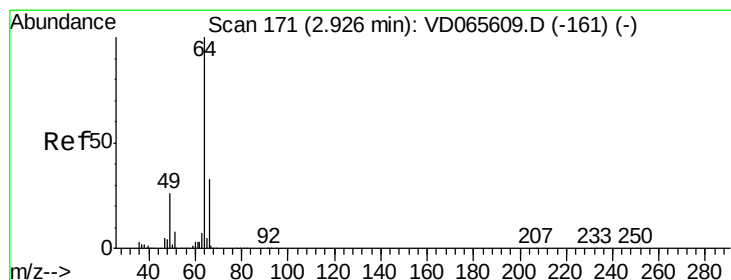
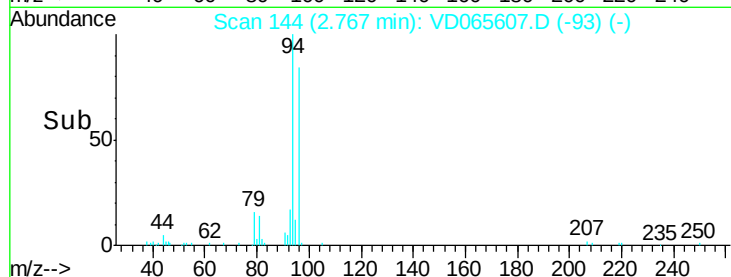
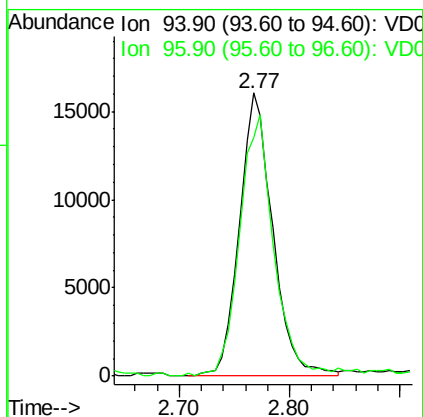
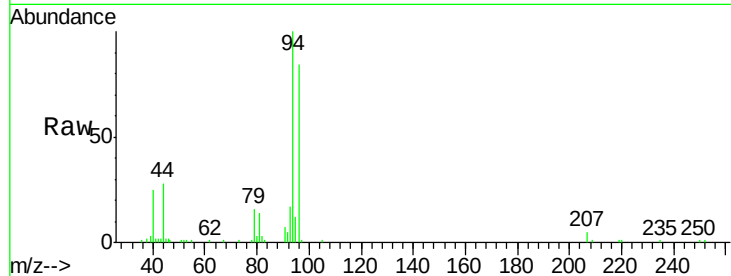
Ion Ratio Lower Upper

94 100

96 83.1 73.3 109.9

Manual Integrations  
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4/10/2020 2:58:37 PM



#6

Chloroethane

Concen: 10.056 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065607.D

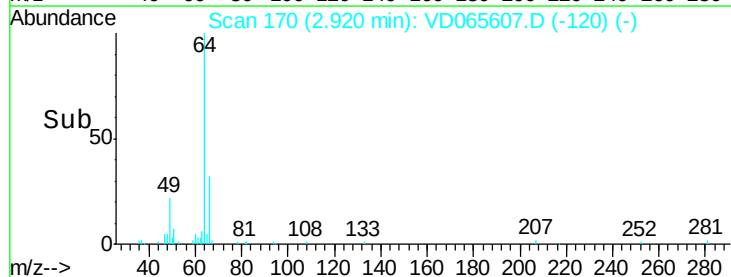
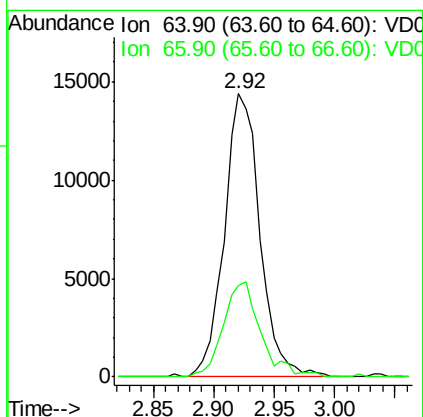
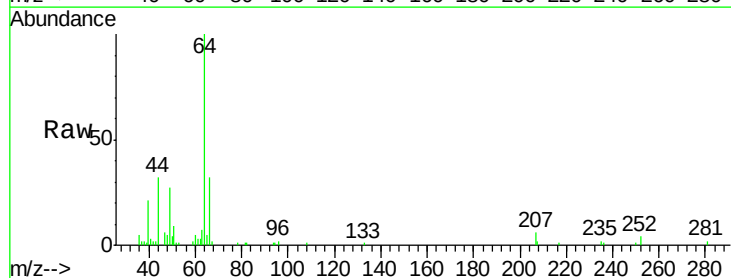
Acq: 09 Apr 2020 11:07

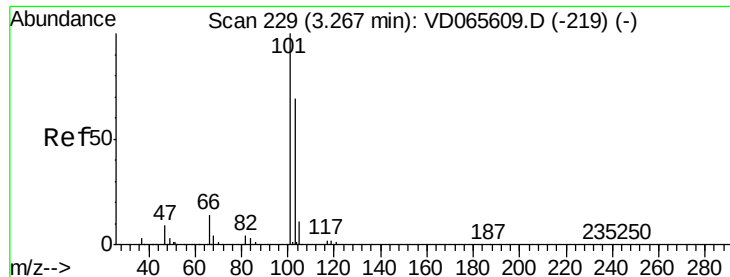
Tgt Ion: 64 Resp: 29440

Ion Ratio Lower Upper

64 100

66 32.1 26.1 39.1





#7

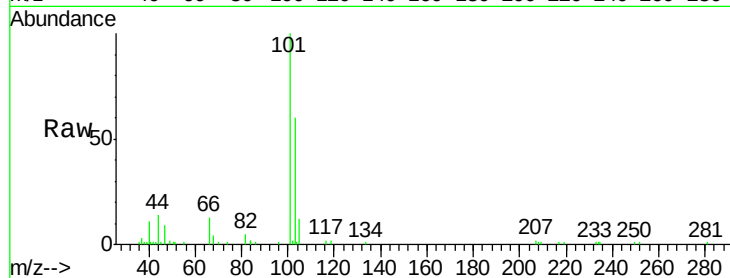
Trichlorofluoromethane  
 Concen: 10.038 ug/l  
 RT: 3.27 min Scan# 230  
 Delta R.T. 0.01 min  
 Lab File: VD065607.D  
 Acq: 09 Apr 2020 11:07

Instrument :  
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 ClientSampleId :  
 VSTDIC010

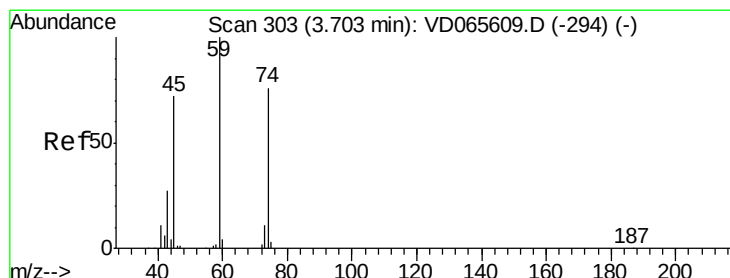
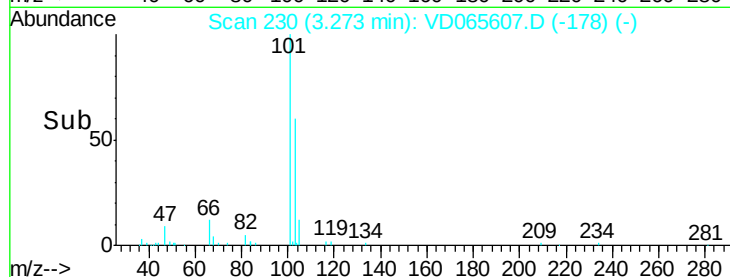
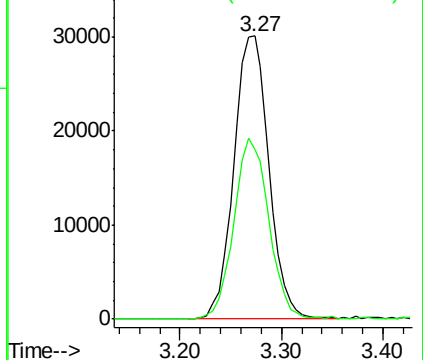
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 60.0  | 55.0  | 82.4  |

Manual Integrations  
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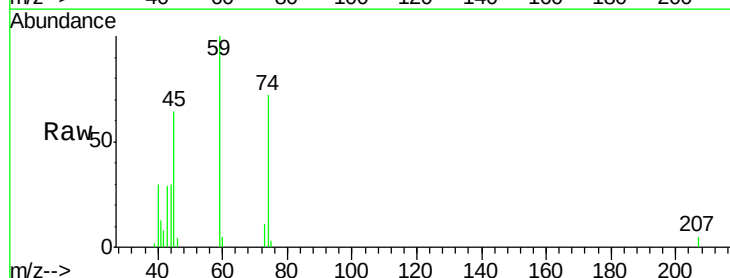
Abundance Ion 100.90 (100.60 to 101.60): V  
 Ion 102.80 (102.50 to 103.50): V



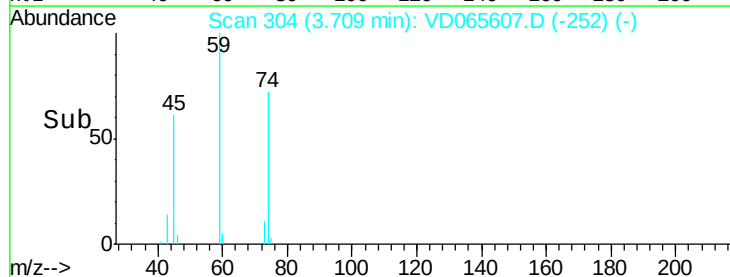
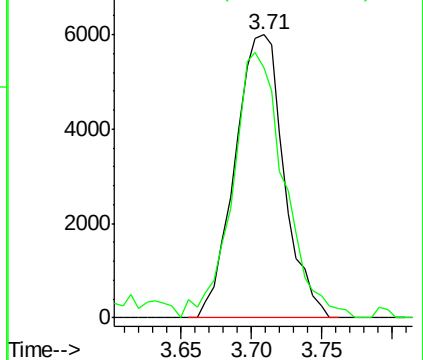
#8

Diethyl Ether  
 Concen: 9.779 ug/l  
 RT: 3.71 min Scan# 304  
 Delta R.T. 0.01 min  
 Lab File: VD065607.D  
 Acq: 09 Apr 2020 11:07

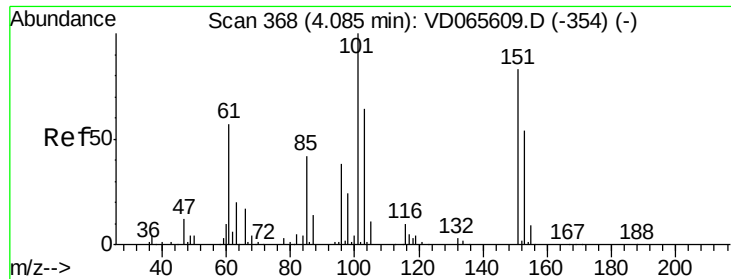
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 99.2  | 47.8  | 143.3 |



Abundance Ion 74.00 (73.70 to 74.70): VDC  
 Ion 45.00 (44.70 to 45.70): VDC







#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.873 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065607.D

Acq: 09 Apr 2020 11:07

Instrument :

MSVOA\_D

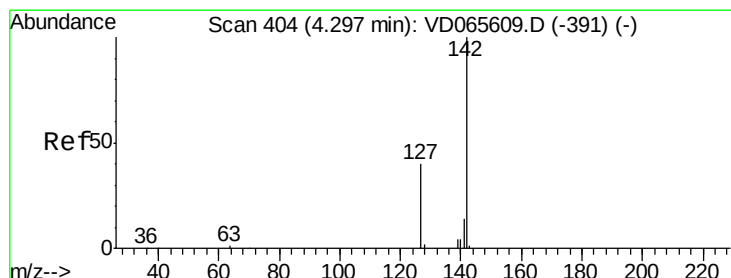
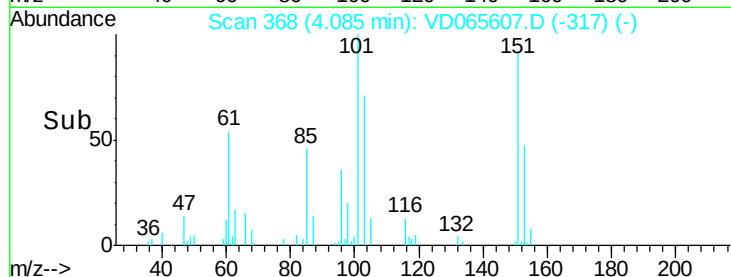
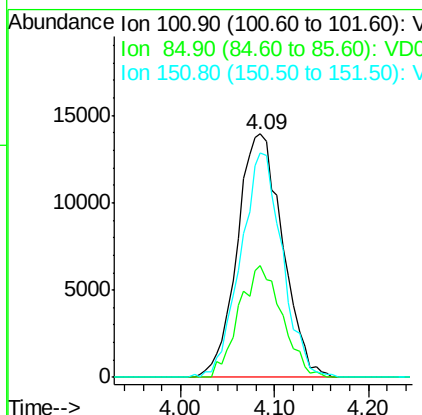
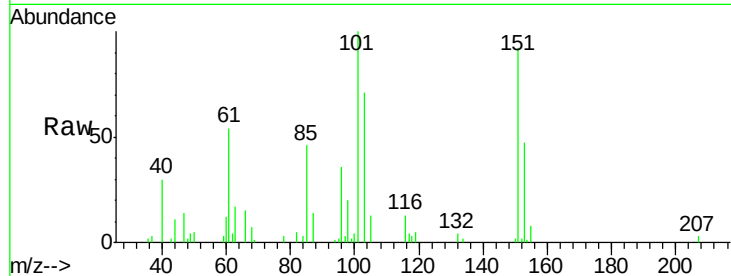
ClientSampleId :

VSTDIC010

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 46533 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 43.5  | 33.8  | 50.6  |
| 151       | 84.8  | 65.0  | 97.4  |

Manual Integrations  
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4/10/2020 2:58:37 PM



#10

Methyl Iodide

Concen: 8.256 ug/l

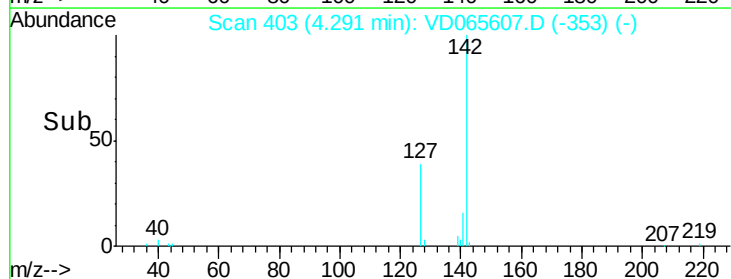
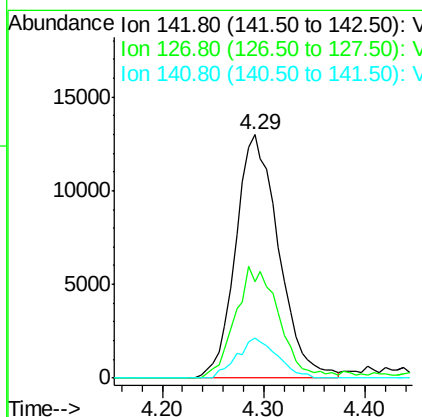
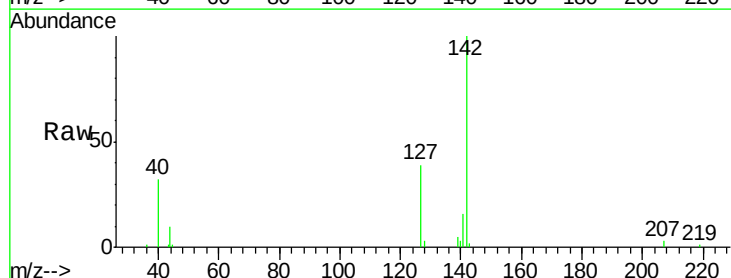
RT: 4.29 min Scan# 403

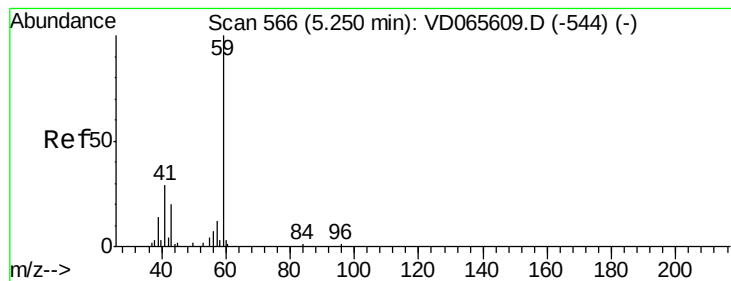
Delta R.T. -0.01 min

Lab File: VD065607.D

Acq: 09 Apr 2020 11:07

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 38290 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 46.1  | 34.6  | 51.8  |
| 141       | 15.4  | 11.7  | 17.5  |





#11

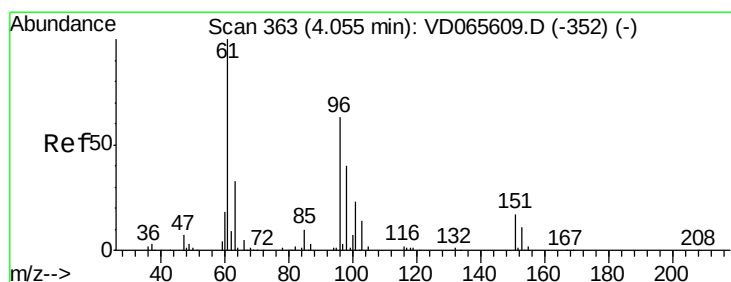
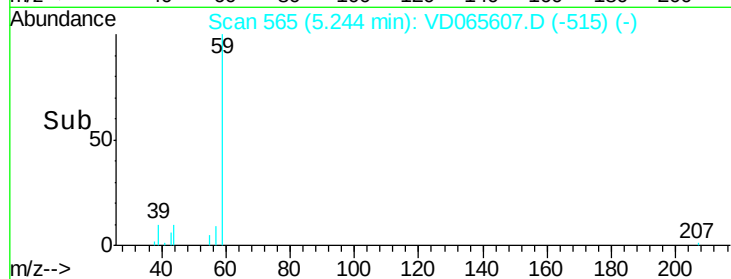
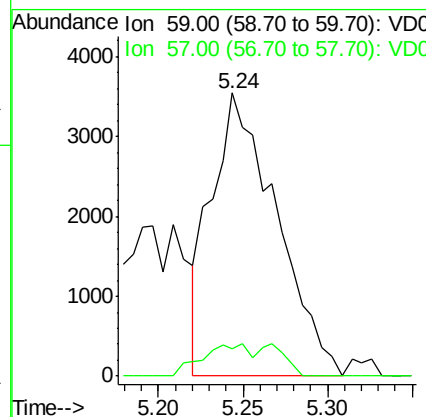
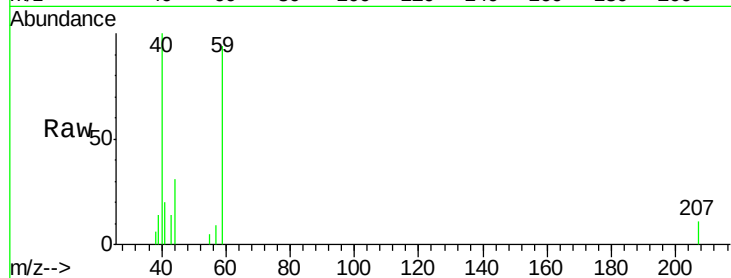
Tert butyl alcohol  
Concen: 43.413 ug/l  
RT: 5.24 min Scan# 565  
Delta R.T. -0.01 min  
Lab File: VD065607.D  
Acq: 09 Apr 2020 11:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 8.3   | 8.1   | 12.1  |

Manual Integrations  
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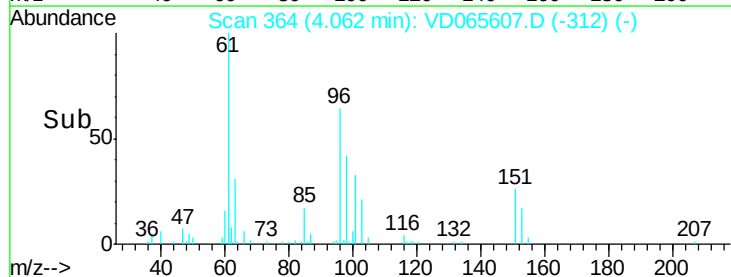
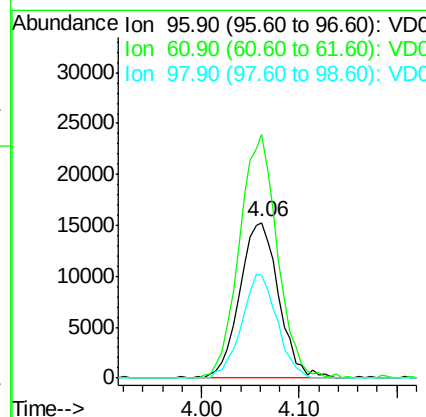
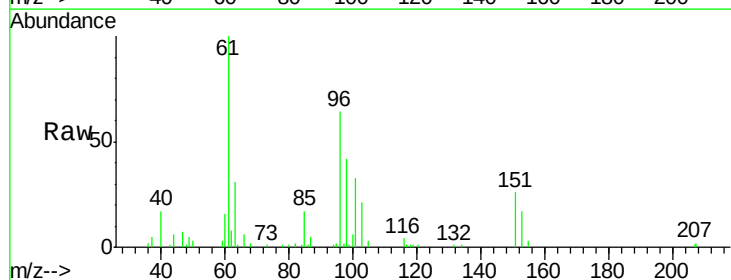
MMDadoda  
4/10/2020 2:58:37 PM

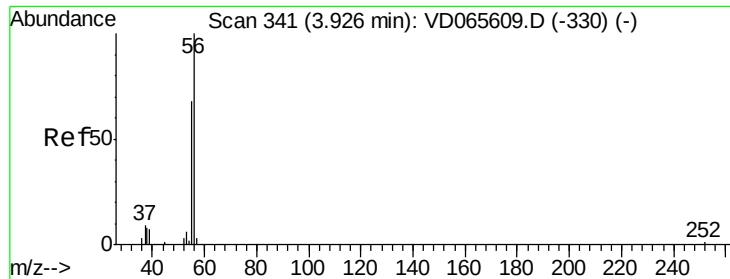


#12

1,1-Dichloroethene  
Concen: 9.835 ug/l  
RT: 4.06 min Scan# 364  
Delta R.T. 0.01 min  
Lab File: VD065607.D  
Acq: 09 Apr 2020 11:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 156.1 | 126.6 | 190.0 |
| 98      | 65.8  | 50.2  | 75.4  |





#13

Acrolein

Concen: 52.022 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065607.D

Acq: 09 Apr 2020 11:07

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 15632

Ion Ratio Lower Upper

56 100

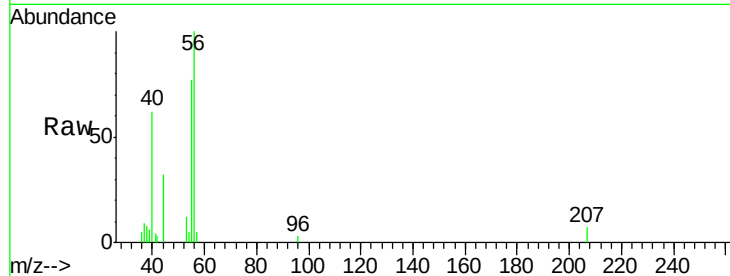
55 74.7 57.9 86.9

Manual Integrations

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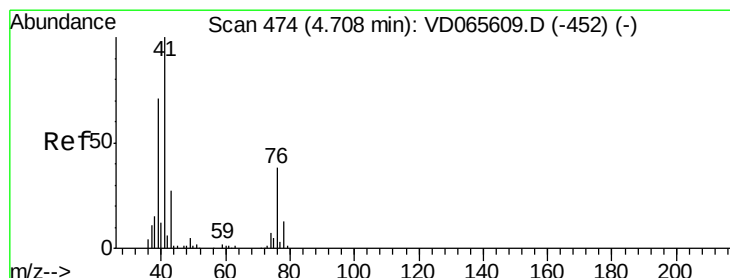
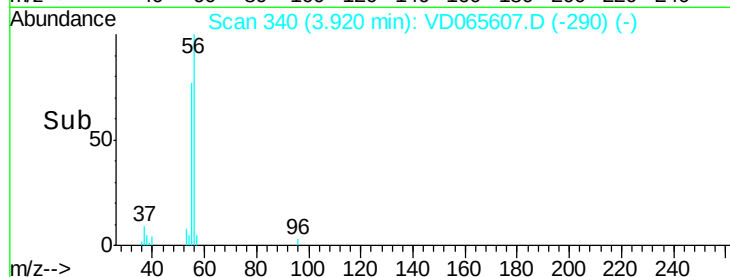
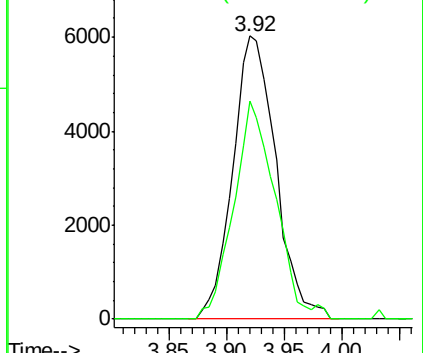
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 9.502 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD065607.D

Acq: 09 Apr 2020 11:07

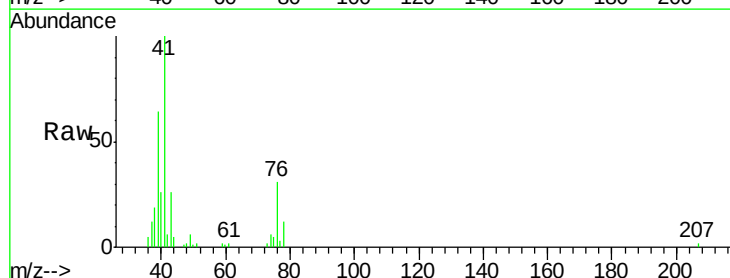
Tgt Ion: 41 Resp: 61274

Ion Ratio Lower Upper

41 100

39 68.4 54.2 81.2

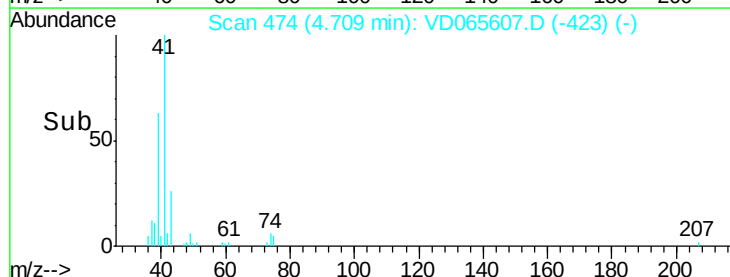
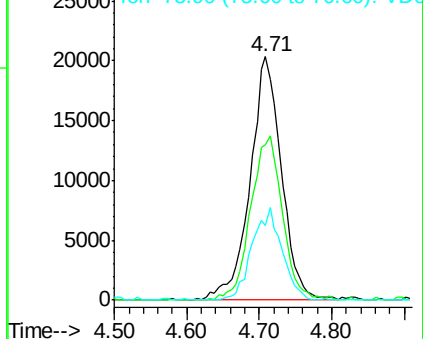
76 36.2 29.7 44.5

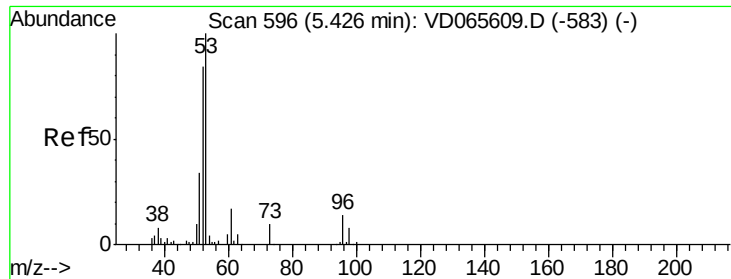


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 49.125 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD065607.D

Acq: 09 Apr 2020 11:07

Instrument :

MSVOA\_D

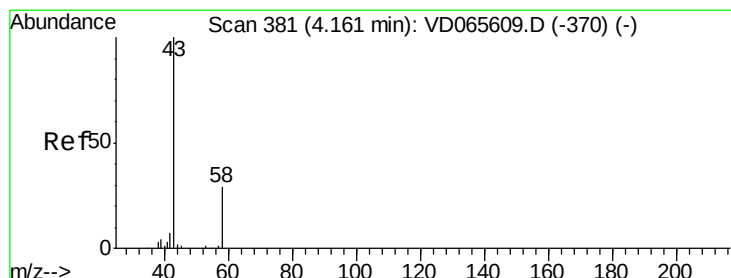
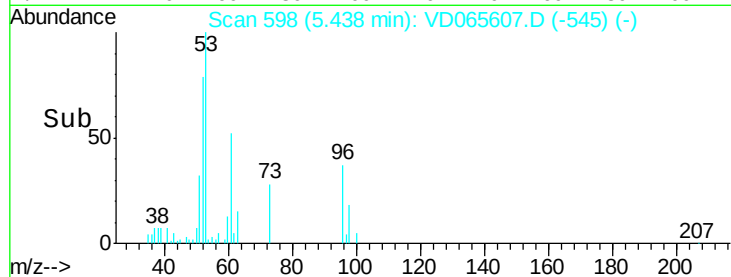
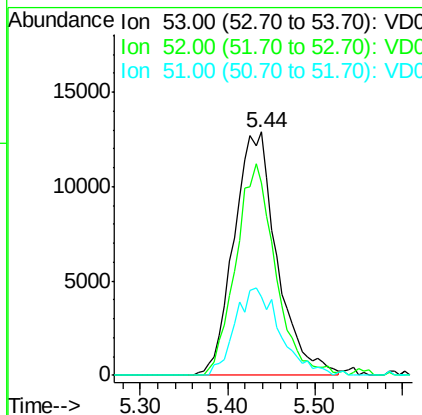
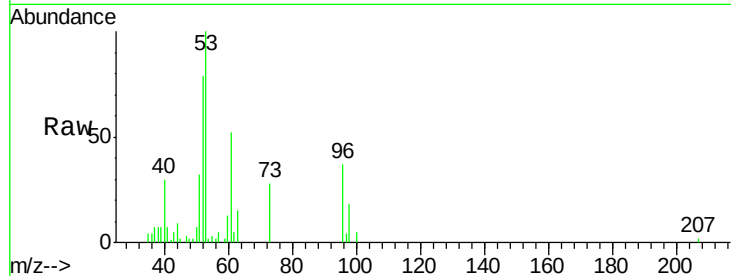
ClientSampleId :

VSTDIC010

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 43155 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 80.0  | 65.3  | 97.9  |
| 51       | 37.3  | 29.5  | 44.3  |

Manual Integrations  
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#16

Acetone

Concen: 51.197 ug/l

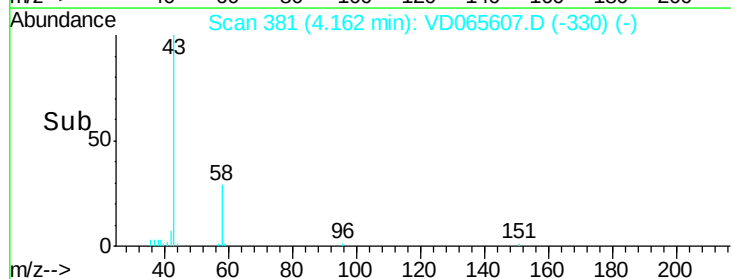
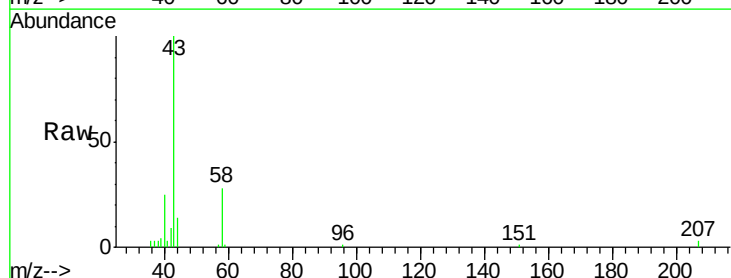
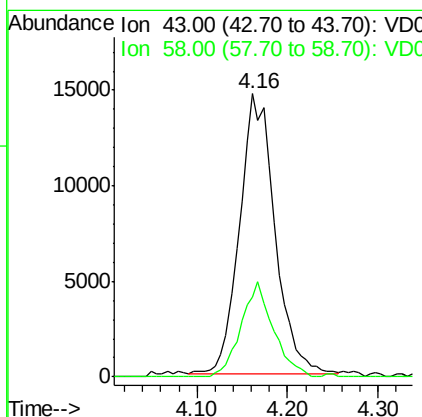
RT: 4.16 min Scan# 381

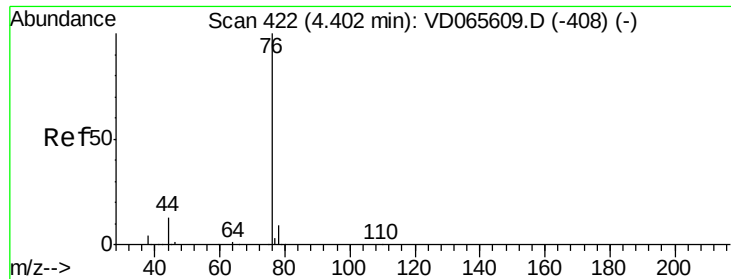
Delta R.T. 0.00 min

Lab File: VD065607.D

Acq: 09 Apr 2020 11:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 39644 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 28.6  | 23.2  | 34.8  |





#17

Carbon Disulfide

Concen: 9.886 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065607.D

Acq: 09 Apr 2020 11:07

Tot Ion: 76 Resp: 142997

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

Instrument :

MSVOA\_D

ClientSampleId :

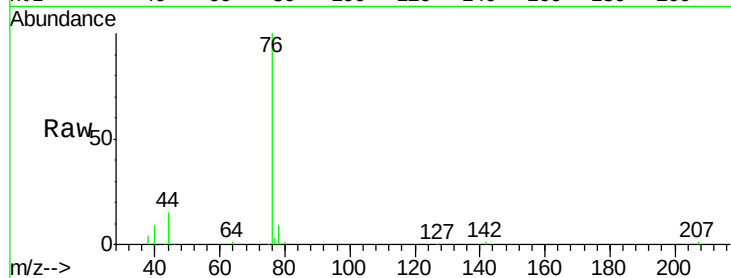
VSTDIC010

Manual Integrations

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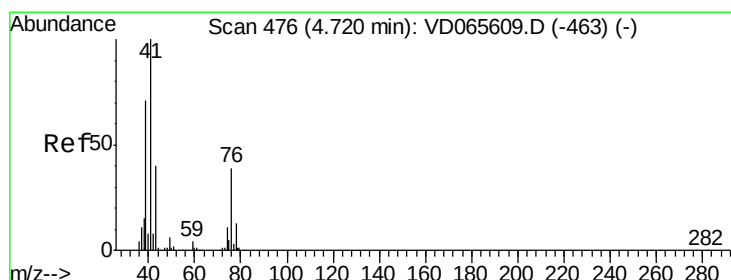
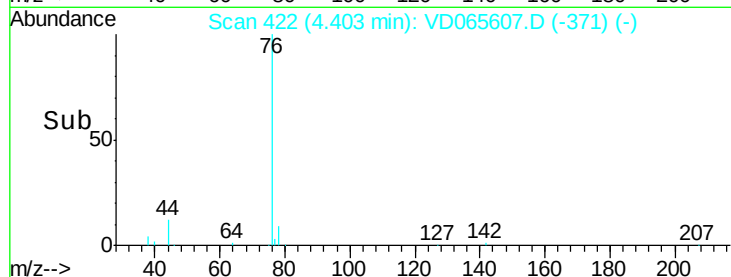
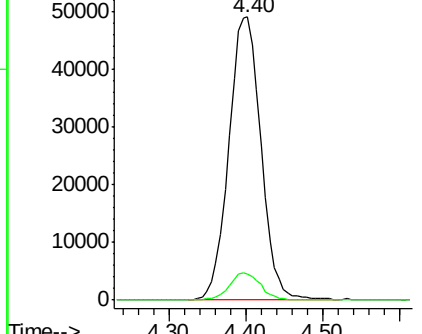
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 9.828 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD065607.D

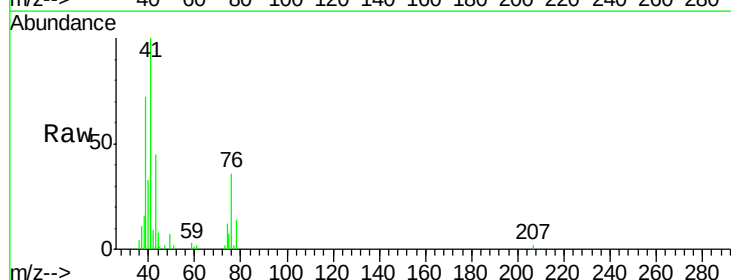
Acq: 09 Apr 2020 11:07

Tgt Ion: 43 Resp: 22338

Ion Ratio Lower Upper

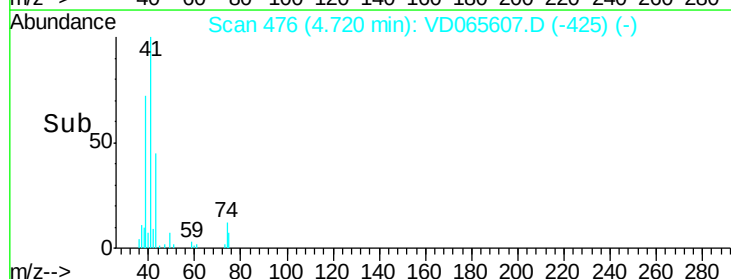
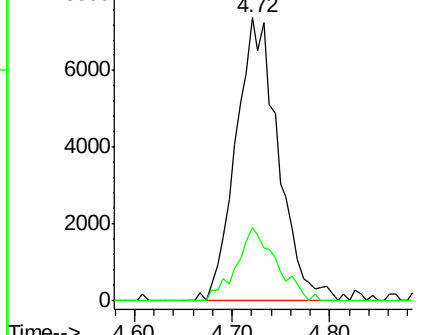
43 100

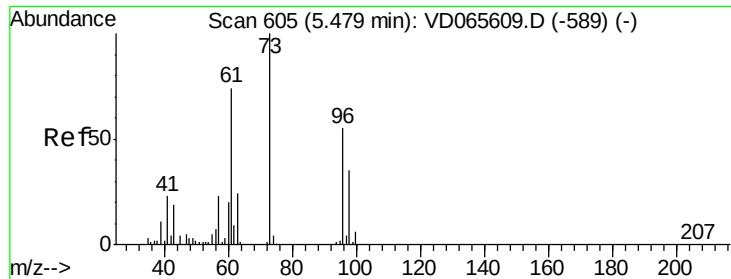
74 24.1 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





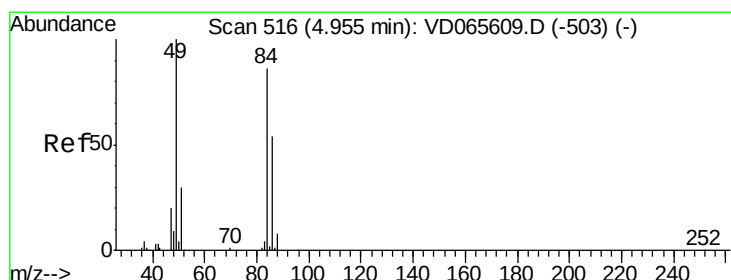
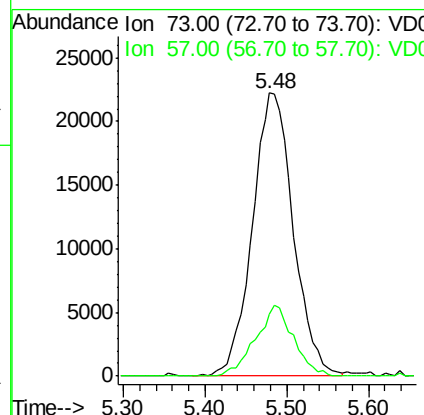
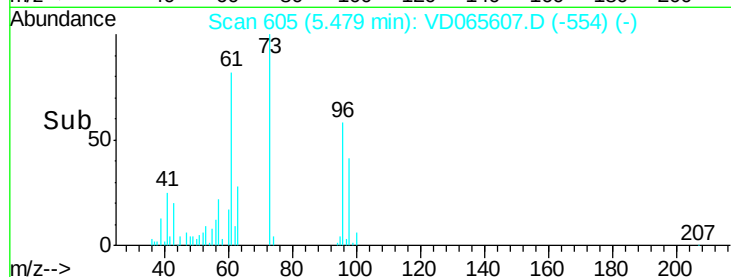
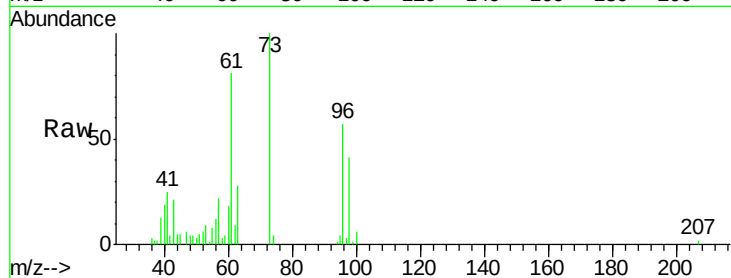
#19  
Methyl tert-butyl Ether  
Concen: 9.198 ug/l  
RT: 5.48 min Scan# 605  
Delta R.T. 0.00 min  
Lab File: VD065607.D  
Acq: 09 Apr 2020 11:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

Tot Ion: 73 Resp: 77295  
Ion Ratio Lower Upper  
73 100  
57 22.0 18.2 27.2

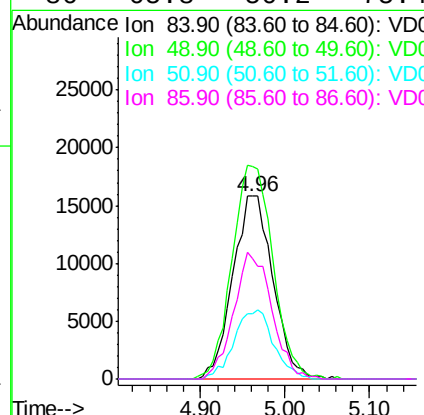
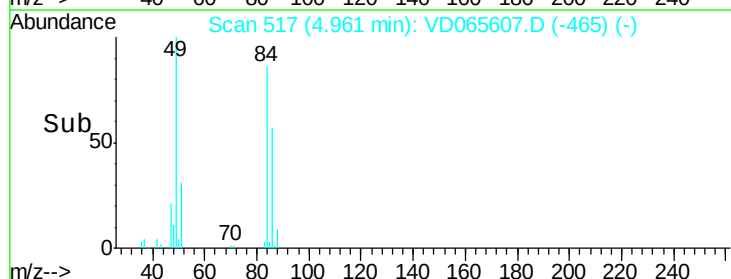
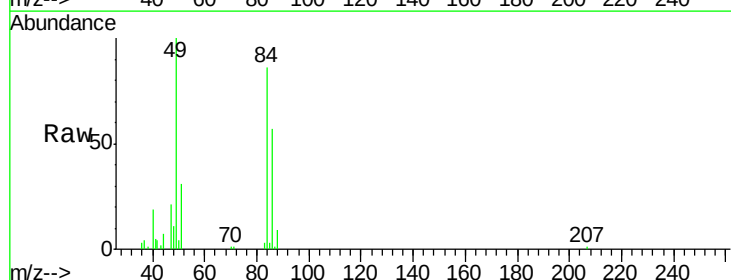
Manual Integrations  
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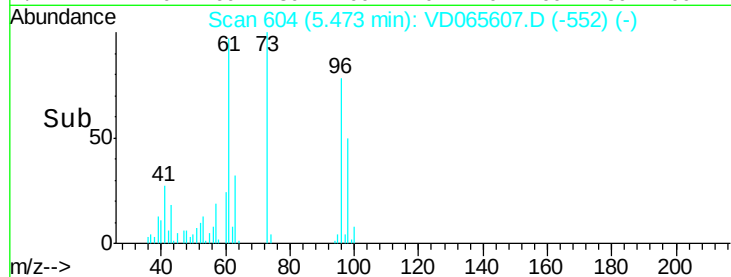
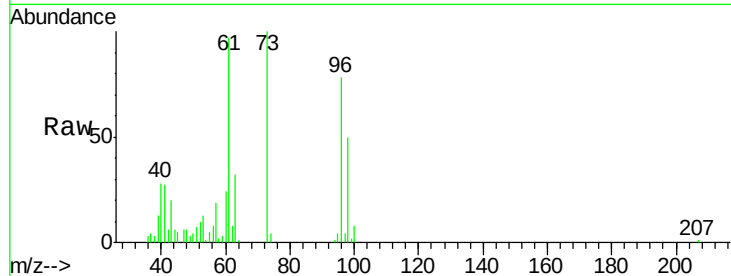
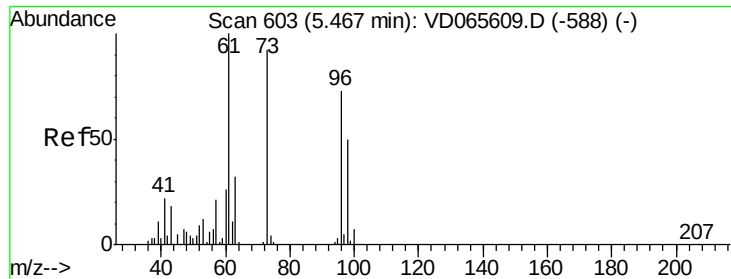
MMDadoda  
4/10/2020 2:58:37 PM



#20  
Methylene Chloride  
Concen: 10.161 ug/l  
RT: 4.96 min Scan# 517  
Delta R.T. 0.01 min  
Lab File: VD065607.D  
Acq: 09 Apr 2020 11:07

Tgt Ion: 84 Resp: 52011  
Ion Ratio Lower Upper  
84 100  
49 115.9 93.4 140.2  
51 35.7 28.5 42.7  
86 65.8 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 9.590 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD065607.D

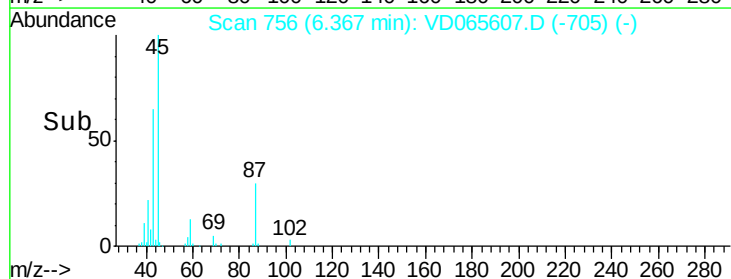
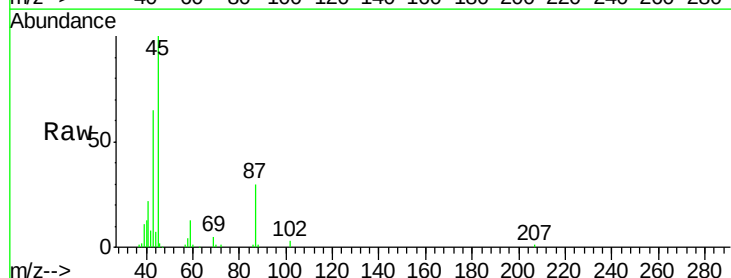
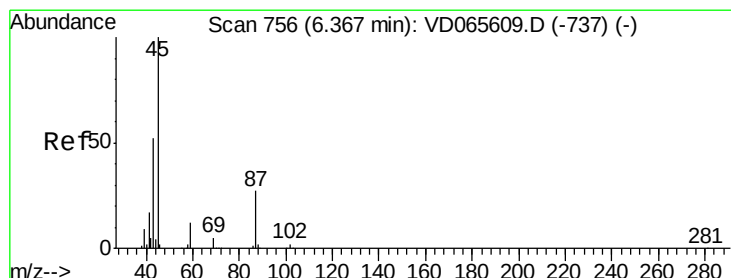
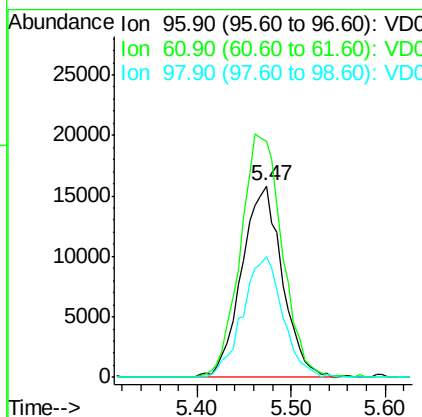
Acq: 09 Apr 2020 11:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 47314 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 123.1 | 109.8 | 164.6 |
| 98       | 63.2  | 54.8  | 82.2  |

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

Manual Integrations  
APPROVED

MMDadoda  
4/10/2020 2:58:37 PM



#22

Diisopropyl ether

Concen: 9.408 ug/l

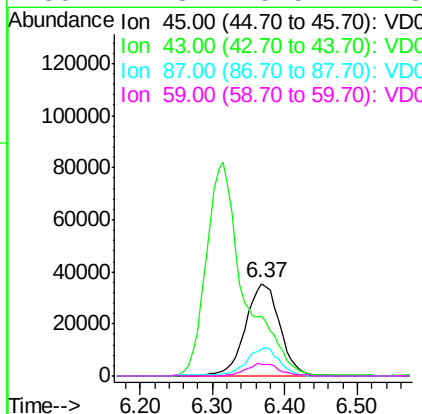
RT: 6.37 min Scan# 756

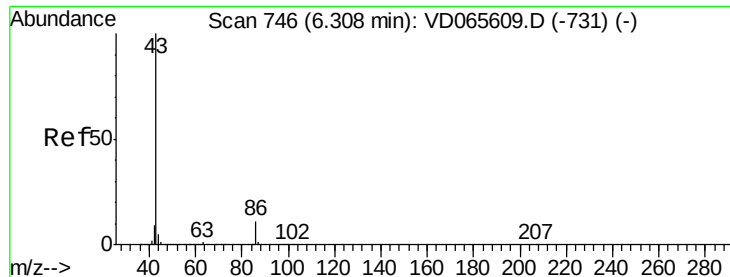
Delta R.T. 0.00 min

Lab File: VD065607.D

Acq: 09 Apr 2020 11:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 116615 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 63.4  | 42.5  | 63.7   |
| 87       | 29.6  | 22.3  | 33.5   |
| 59       | 12.8  | 9.5   | 14.3   |





#23

Vinyl Acetate

Concen: 46.560 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD065607.D

Acq: 09 Apr 2020 11:07

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 296546

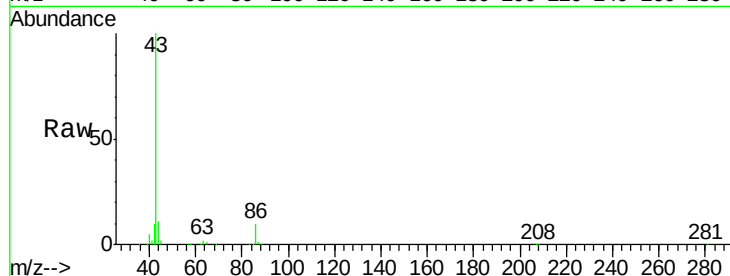
Ion Ratio Lower Upper

43 100

86 10.3 9.1 13.7

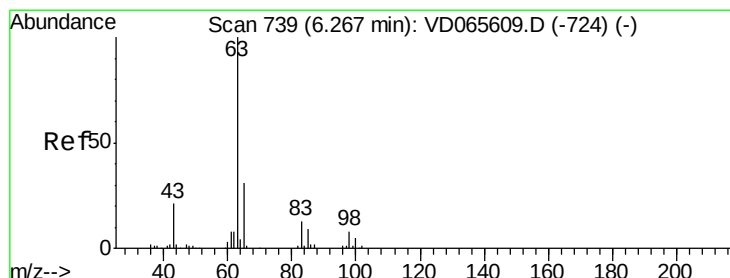
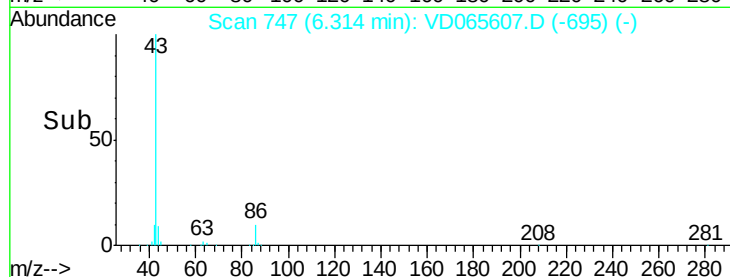
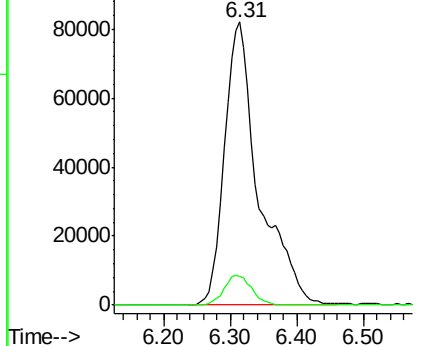
Manual Integrations  
APPROVED

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 9.761 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065607.D

Acq: 09 Apr 2020 11:07

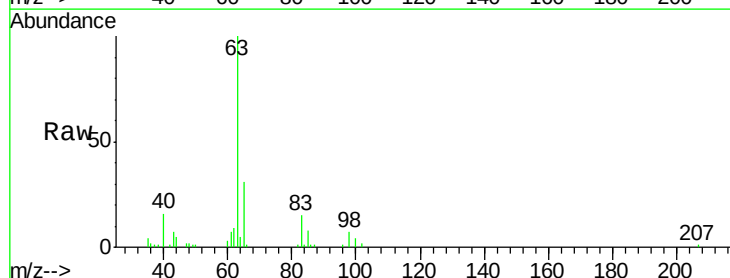
Tgt Ion: 63 Resp: 80495

Ion Ratio Lower Upper

63 100

98 6.8 4.0 11.9

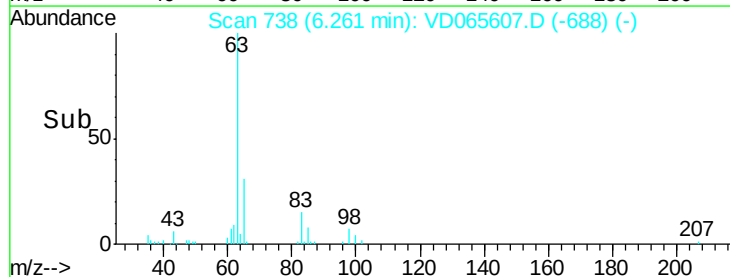
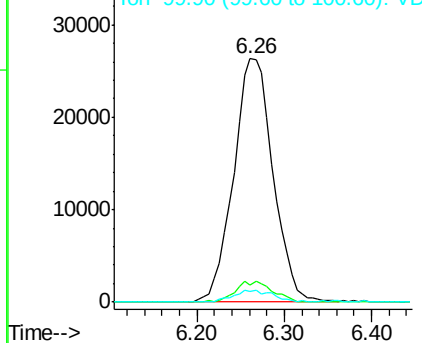
100 4.3 2.6 7.8



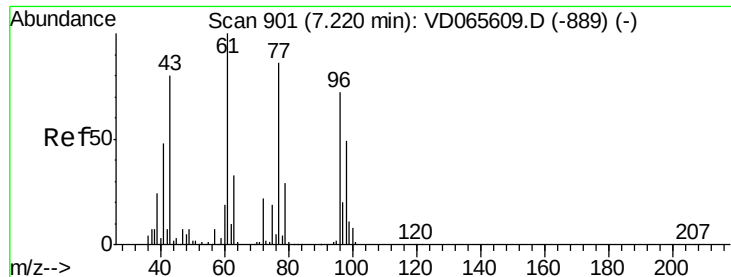
Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC







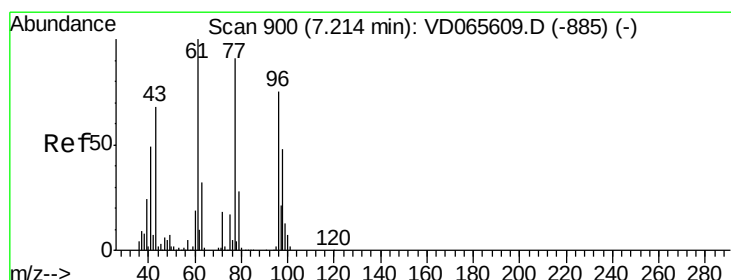
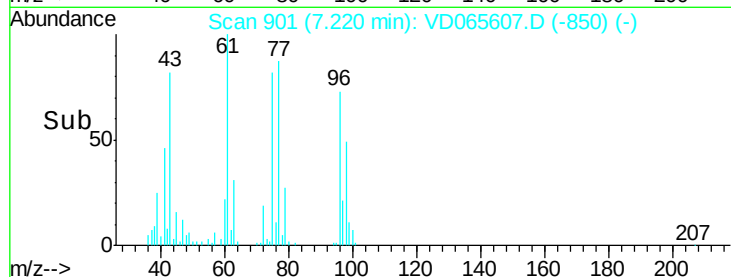
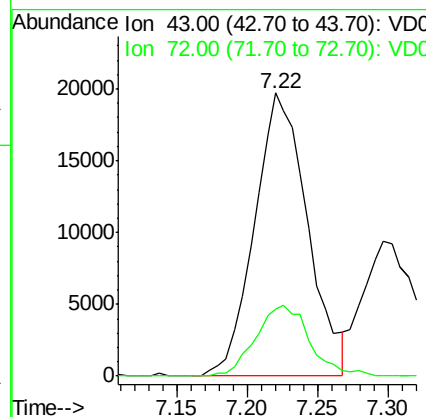
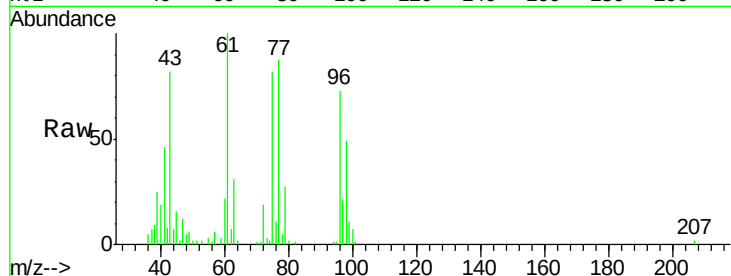
#25  
2-Butanone  
Concen: 48.893 ug/l  
RT: 7.22 min Scan# 901  
Delta R.T. 0.00 min  
Lab File: VD065607.D  
Acq: 09 Apr 2020 11:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

Tot Ion: 43 Resp: 51820  
Ion Ratio Lower Upper  
43 100  
72 23.6 22.5 33.7

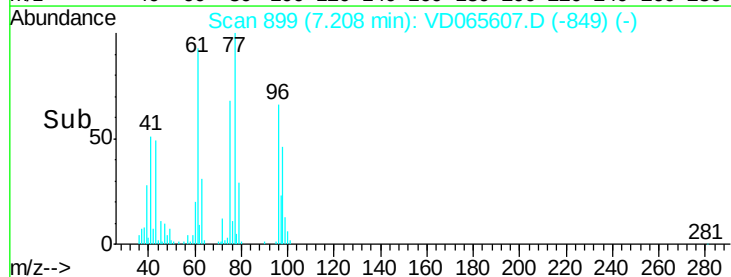
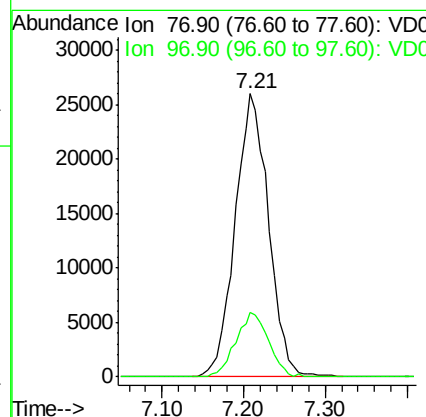
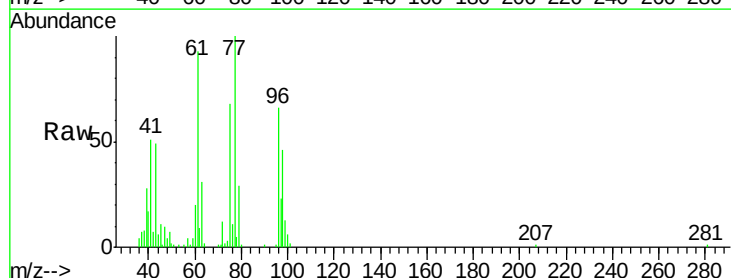
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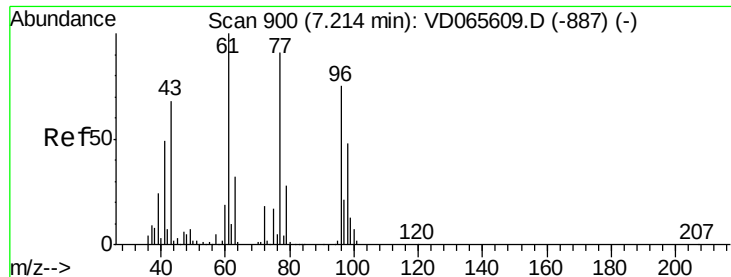
MMDadoda  
4/10/2020 2:58:37 PM



#26  
2,2-Dichloropropane  
Concen: 10.000 ug/l  
RT: 7.21 min Scan# 899  
Delta R.T. -0.01 min  
Lab File: VD065607.D  
Acq: 09 Apr 2020 11:07

Tgt Ion: 77 Resp: 73801  
Ion Ratio Lower Upper  
77 100  
97 22.3 11.7 35.1





#27

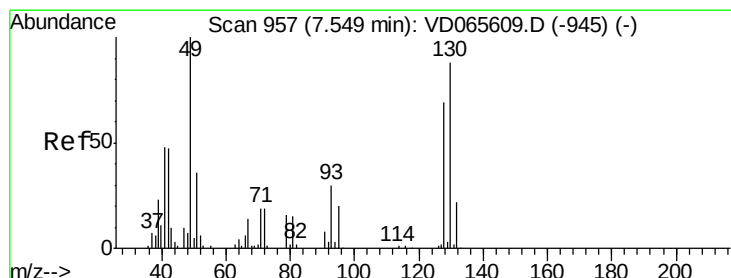
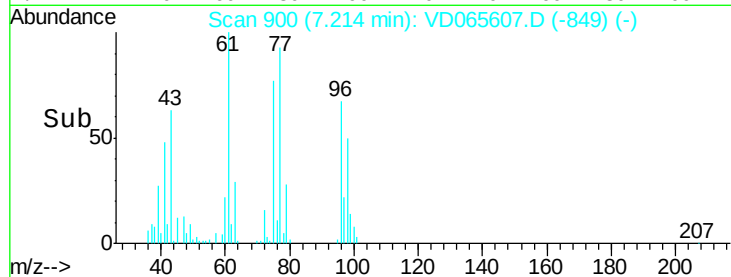
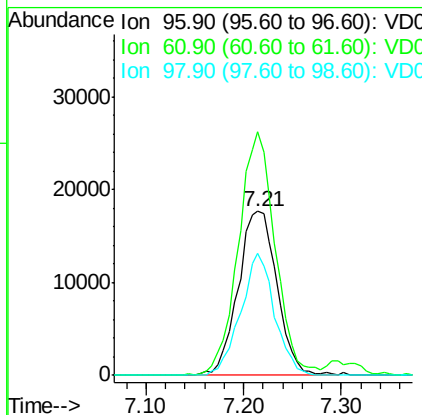
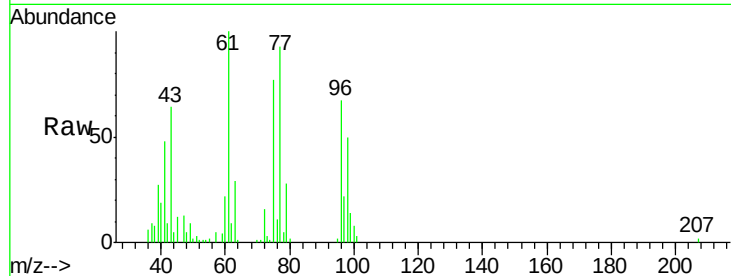
cis-1,2-Dichloroethene  
 Concen: 9.760 ug/l  
 RT: 7.21 min Scan# 900  
 Delta R.T. 0.00 min  
 Lab File: VD065607.D  
 Acq: 09 Apr 2020 11:07

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 140.4 | 0.0   | 279.0 |
| 98      | 65.1  | 0.0   | 130.2 |

Manual Integrations  
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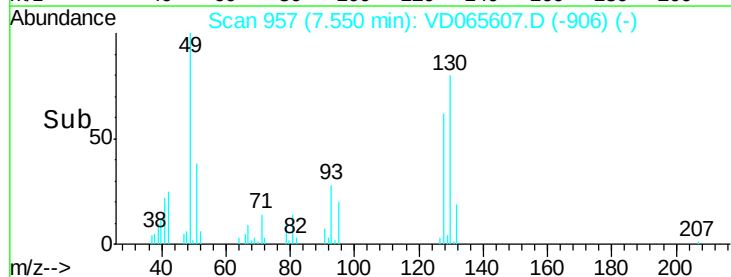
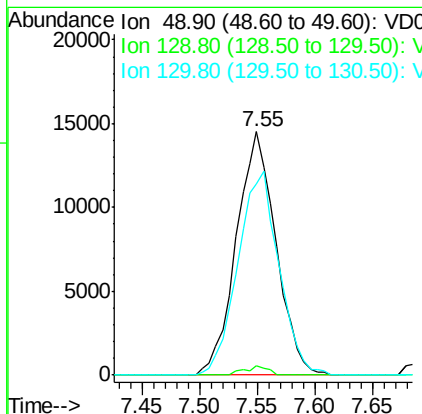
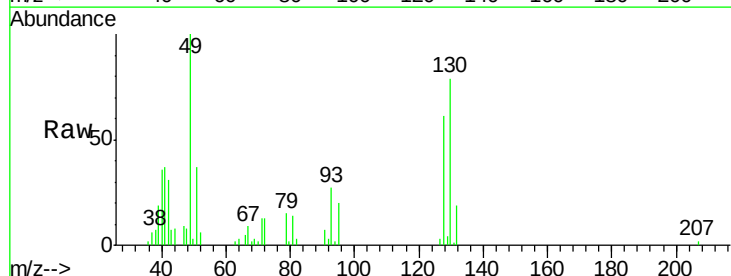
MMDadoda  
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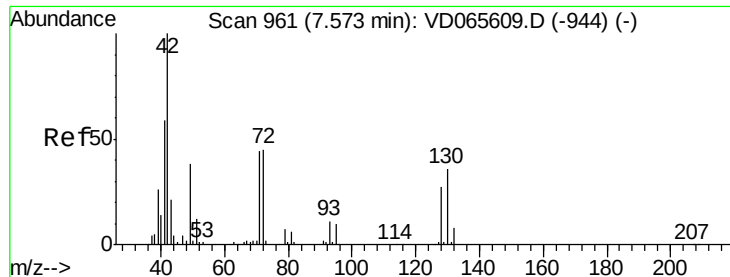


#28

Bromochloromethane  
 Concen: 10.428 ug/l  
 RT: 7.55 min Scan# 957  
 Delta R.T. 0.00 min  
 Lab File: VD065607.D  
 Acq: 09 Apr 2020 11:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.2   | 0.0   | 4.8   |
| 130     | 87.4  | 69.4  | 104.2 |





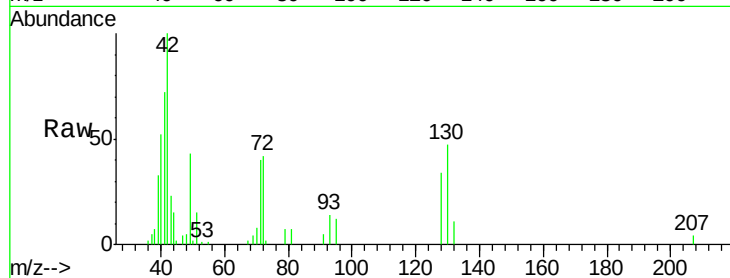
#29  
Tetrahydrofuran  
Concen: 46.647 ug/l  
RT: 7.57 min Scan# 961  
Delta R.T. 0.00 min  
Lab File: VD065607.D  
Acq: 09 Apr 2020 11:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

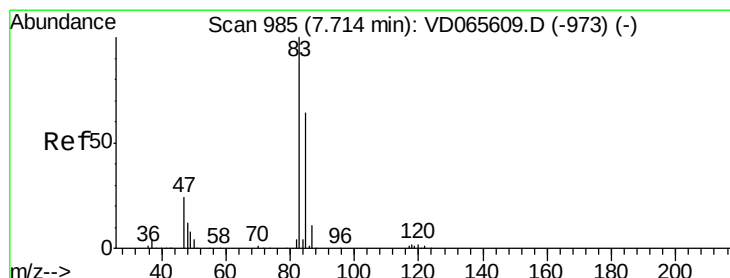
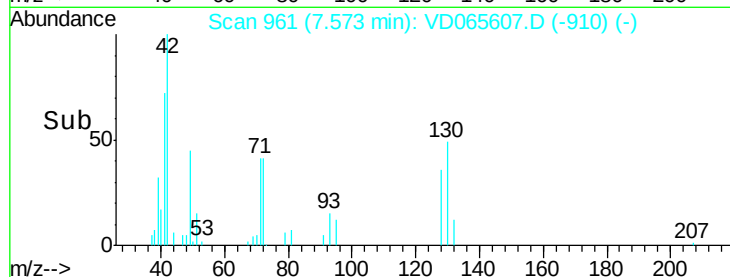
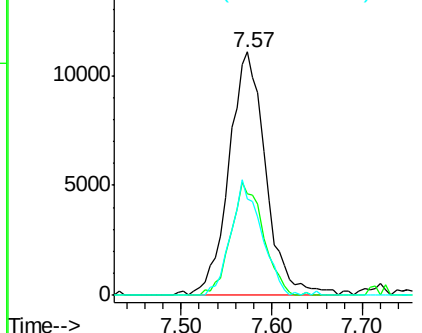
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 41.2  | 35.3  | 52.9  |
| 71      | 39.3  | 33.1  | 49.7  |

Manual Integrations  
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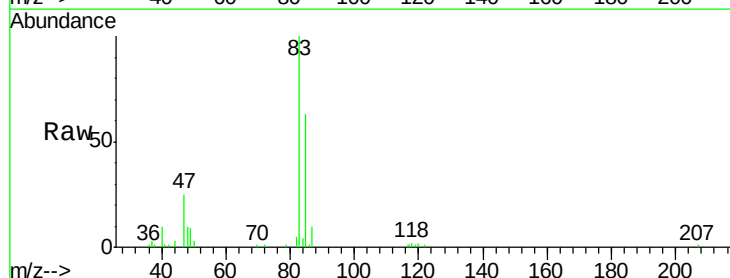


Abundance Ion 42.00 (41.70 to 42.70): VDC  
Ion 72.00 (71.70 to 72.70): VDC  
Ion 71.00 (70.70 to 71.70): VDC

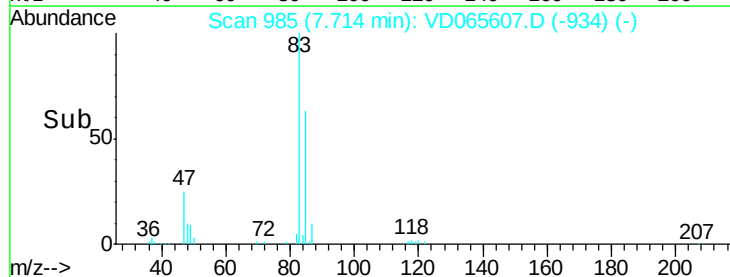
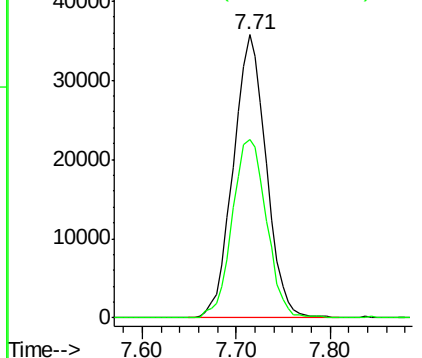


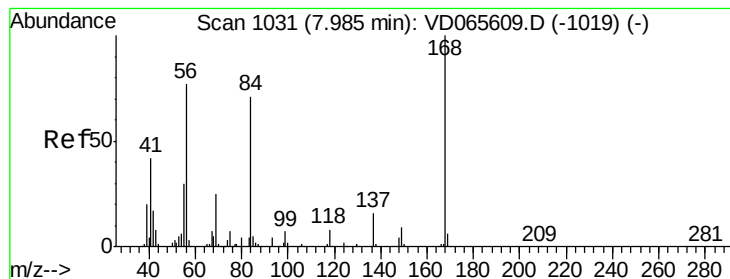
#30  
Chloroform  
Concen: 10.032 ug/l  
RT: 7.71 min Scan# 985  
Delta R.T. 0.00 min  
Lab File: VD065607.D  
Acq: 09 Apr 2020 11:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.2  | 50.9  | 76.3  |



Abundance Ion 82.90 (82.60 to 83.60): VDC  
Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 9.599 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD065607.D

Acq: 09 Apr 2020 11:07

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 73425

Ion Ratio Lower Upper

56 100

69 48.2 26.2 39.4#

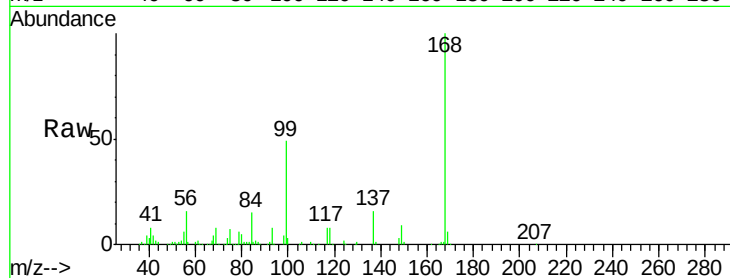
84 90.6 73.7 110.5

Manual Integrations

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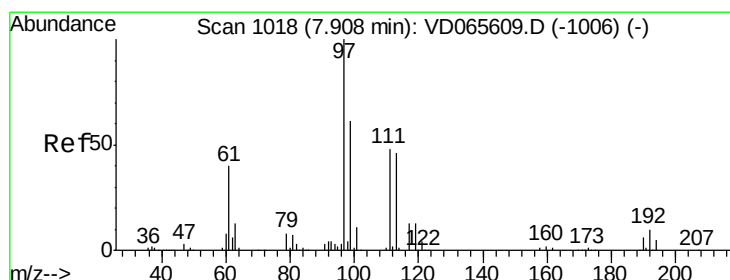
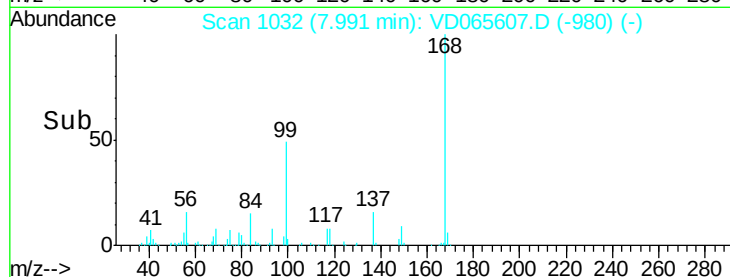
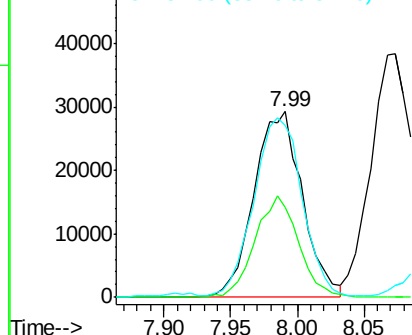


Abundance

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: 9.696 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD065607.D

Acq: 09 Apr 2020 11:07

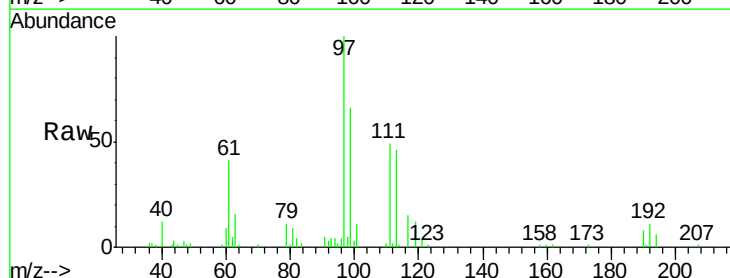
Tgt Ion: 97 Resp: 75663

Ion Ratio Lower Upper

97 100

99 64.5 50.2 75.2

61 43.1 33.5 50.3

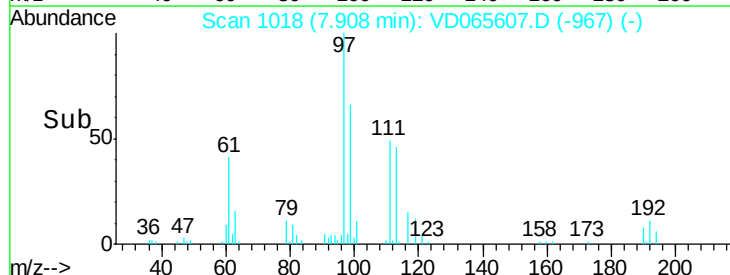
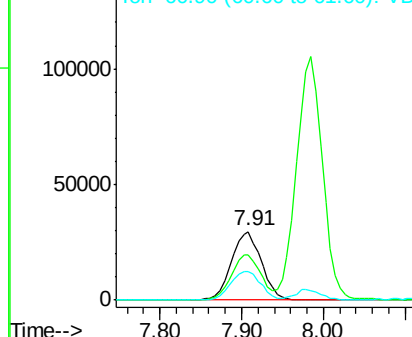


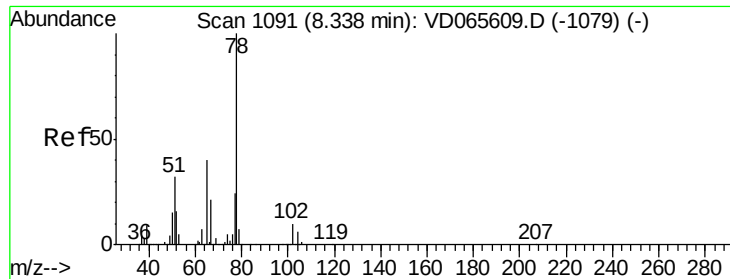
Abundance

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





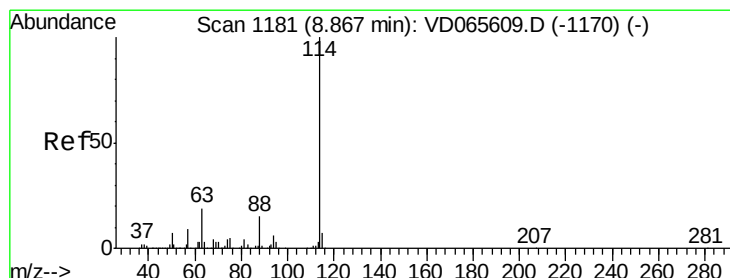
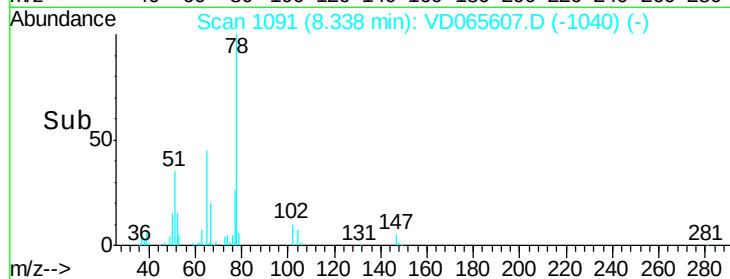
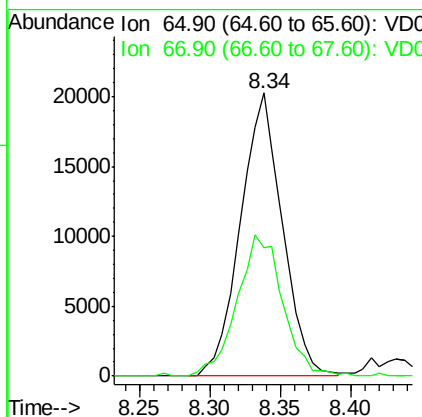
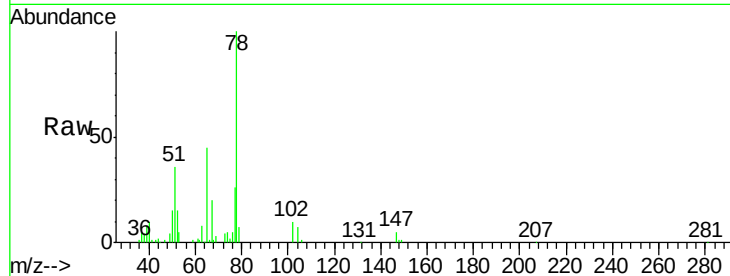
#33  
 1,2-Dichloroethane-d4  
 Concen: 9.792 ug/l  
 RT: 8.34 min Scan# 1091  
 Delta R.T. 0.00 min  
 Lab File: VD065607.D  
 Acq: 09 Apr 2020 11:07

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 54.5  | 0.0   | 107.6 |

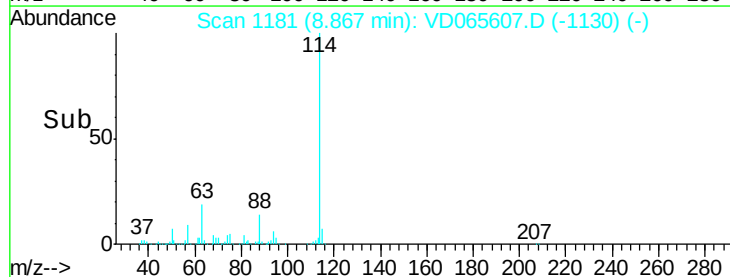
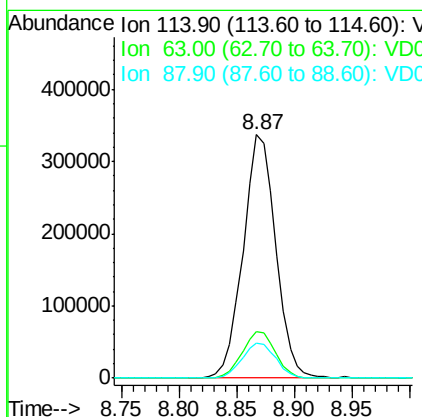
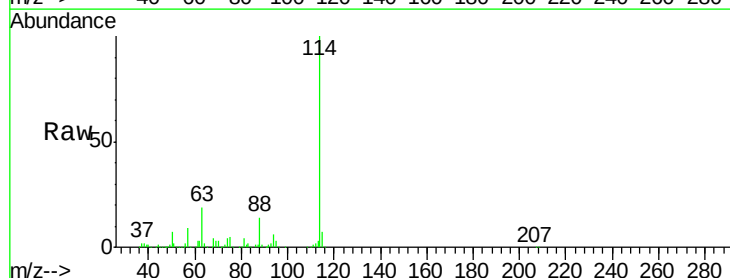
Manual Integrations  
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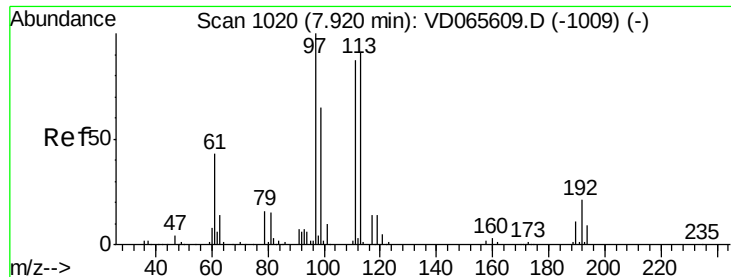
MMDadoda  
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.87 min Scan# 1181  
 Delta R.T. 0.00 min  
 Lab File: VD065607.D  
 Acq: 09 Apr 2020 11:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 19.2  | 0.0   | 38.2  |
| 88      | 14.3  | 0.0   | 29.6  |





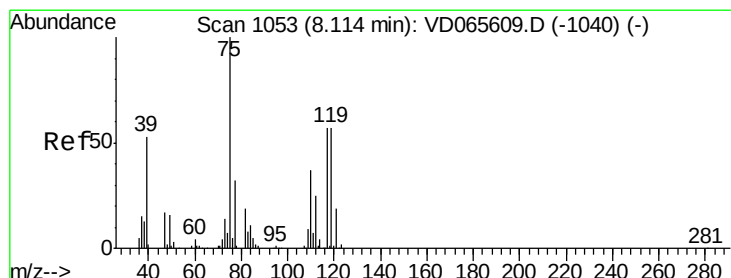
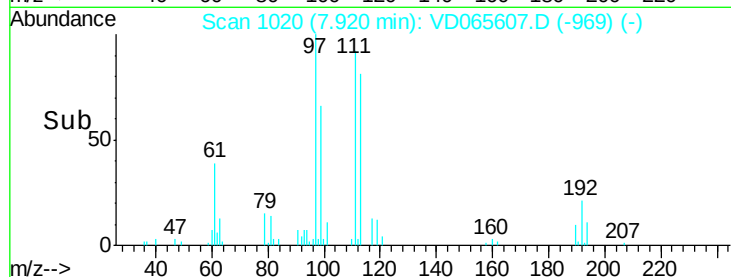
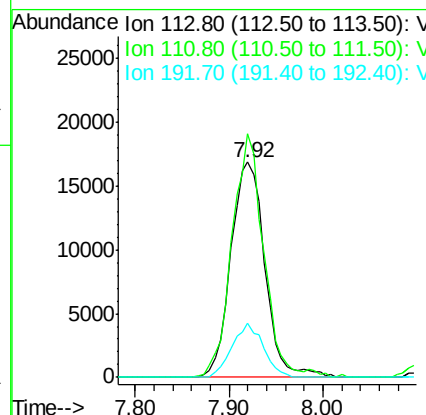
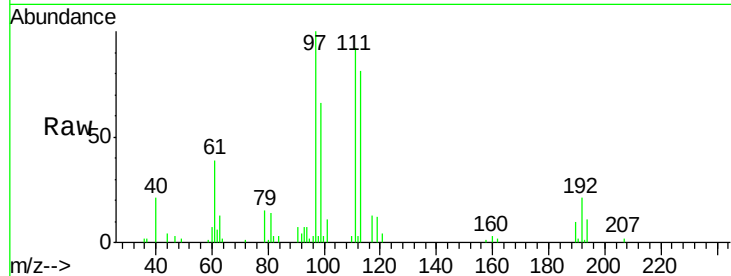
#35  
 Dibromofluoromethane  
 Concen: 9.140 ug/l  
 RT: 7.92 min Scan# 1020  
 Delta R.T. 0.00 min  
 Lab File: VD065607.D  
 Acq: 09 Apr 2020 11:07

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 105.2 | 80.6  | 120.8 |
| 192     | 22.8  | 18.6  | 27.8  |

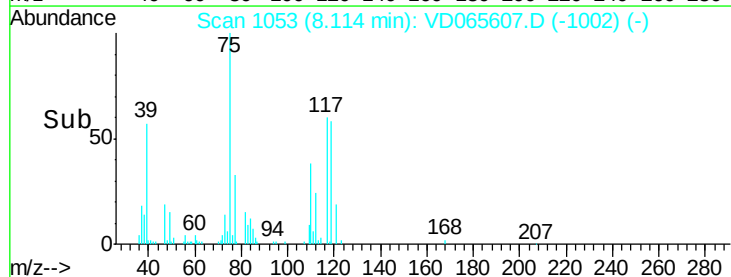
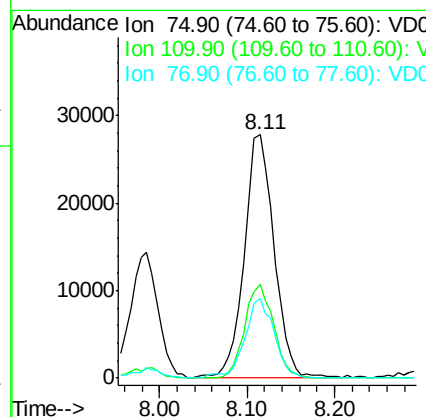
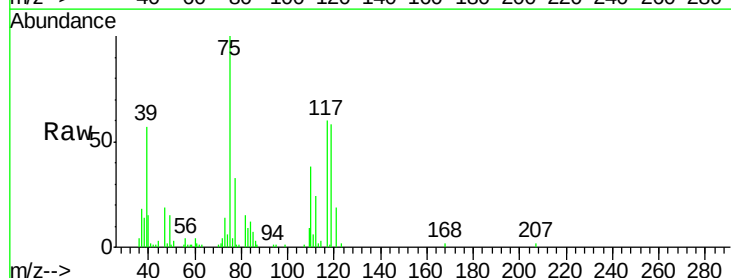
Manual Integrations  
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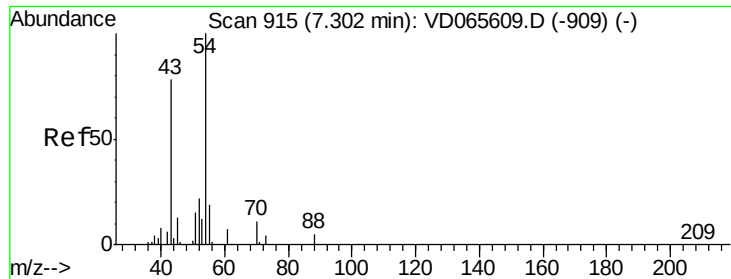
MMDadoda  
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#36  
 1,1-Dichloropropene  
 Concen: 9.368 ug/l  
 RT: 8.11 min Scan# 1053  
 Delta R.T. 0.00 min  
 Lab File: VD065607.D  
 Acq: 09 Apr 2020 11:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 37.1  | 18.3  | 54.9  |
| 77      | 31.9  | 25.0  | 37.6  |





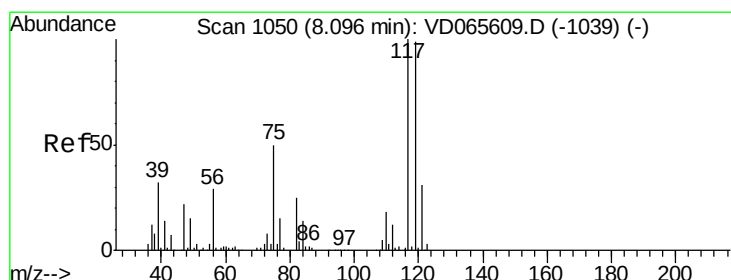
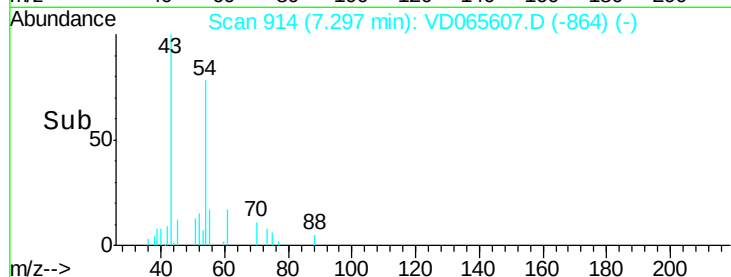
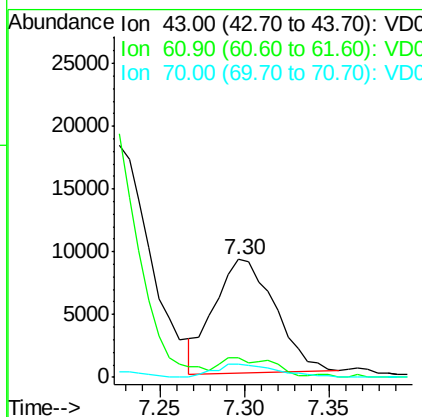
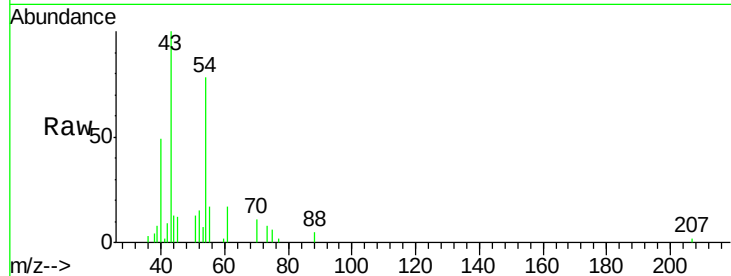
#37  
Ethyl Acetate  
Concen: 8.911 ug/l  
RT: 7.30 min Scan# 914  
Delta R.T. -0.01 min  
Lab File: VD065607.D  
Acq: 09 Apr 2020 11:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

| Tot Ion   | 43    | Resp  | 22684 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 61        | 13.2  | 11.3  | 16.9  |
| 70        | 12.2  | 8.6   | 13.0  |

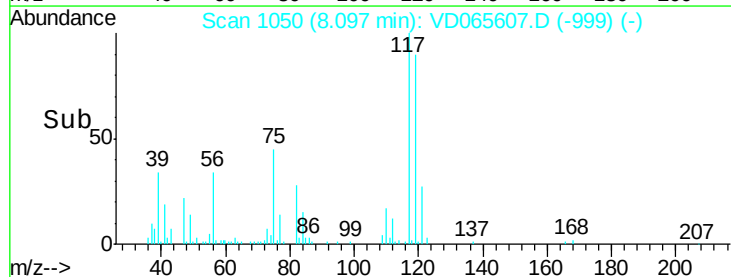
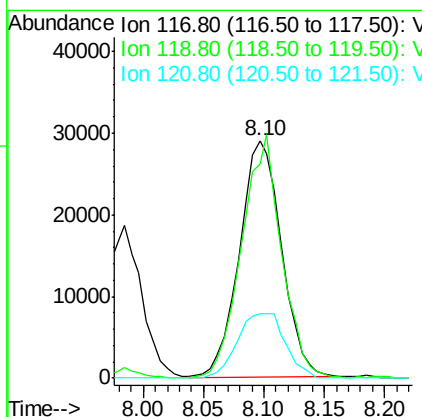
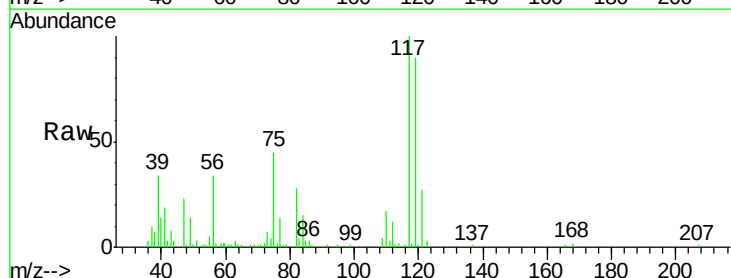
Manual Integrations  
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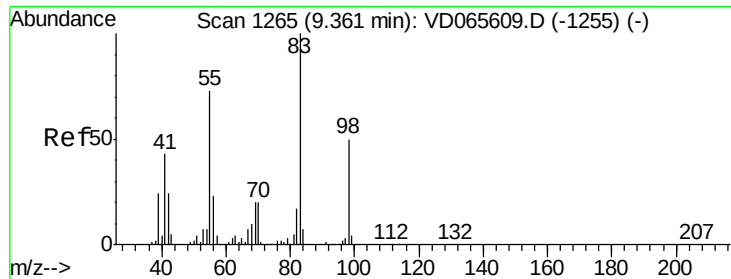
MMDadoda  
4/10/2020 2:58:37 PM



#38  
Carbon Tetrachloride  
Concen: 9.433 ug/l  
RT: 8.10 min Scan# 1050  
Delta R.T. 0.00 min  
Lab File: VD065607.D  
Acq: 09 Apr 2020 11:07

| Tgt Ion   | 117   | Resp  | 70225 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 119       | 90.7  | 78.9  | 118.3 |
| 121       | 27.2  | 24.6  | 37.0  |





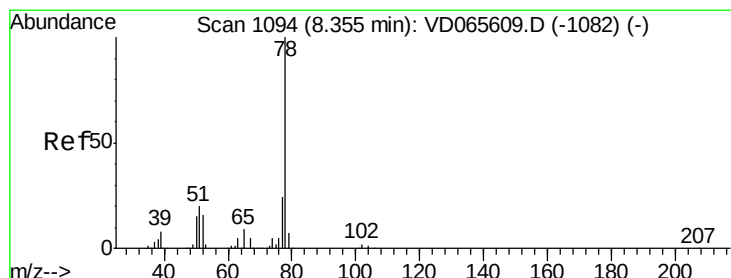
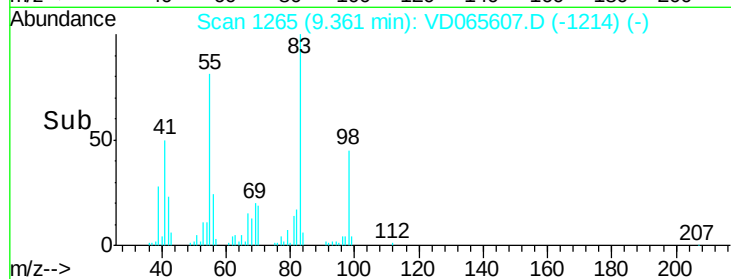
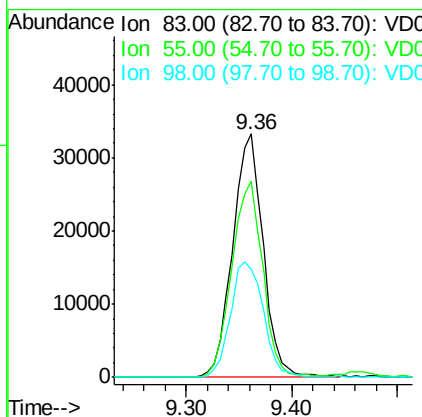
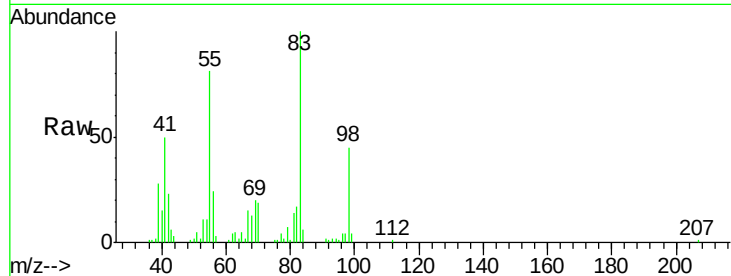
#39  
Methylvlcyclohexane  
Concen: 8.554 ug/l  
RT: 9.36 min Scan# 1265  
Delta R.T. 0.00 min  
Lab File: VD065607.D  
Acq: 09 Apr 2020 11:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

| Tot Ion   | 83   | Resp  | 66395 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 83        | 100  |       |       |
| 55        | 80.6 | 58.7  | 88.1  |
| 98        | 44.6 | 40.2  | 60.4  |

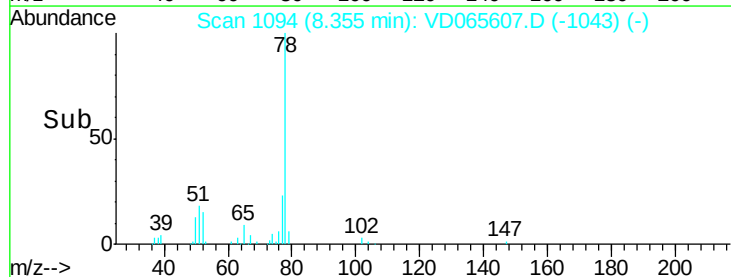
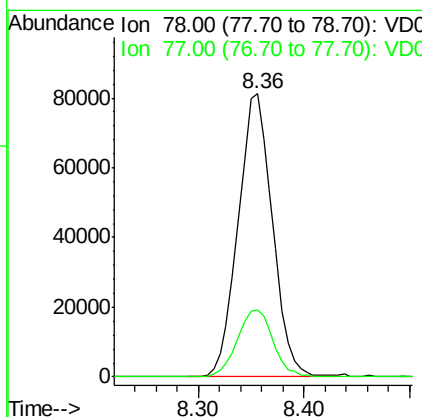
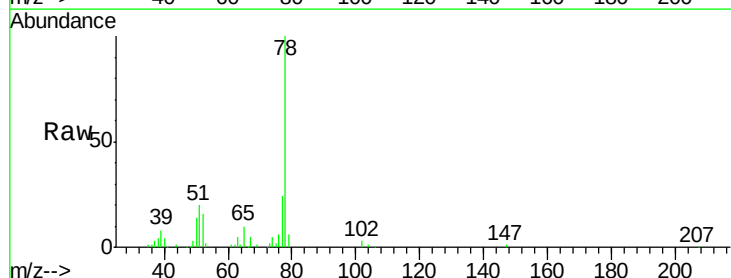
Manual Integrations  
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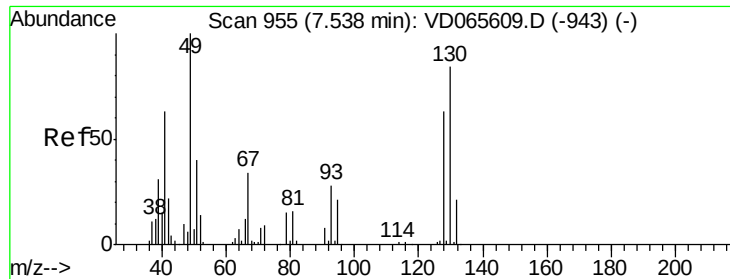


#40  
Benzene  
Concen: 9.362 ug/l  
RT: 8.36 min Scan# 1094  
Delta R.T. 0.00 min  
Lab File: VD065607.D  
Acq: 09 Apr 2020 11:07

| Tgt Ion   | 78   | Resp  | 183393 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 78        | 100  |       |        |
| 77        | 23.5 | 19.4  | 29.0   |







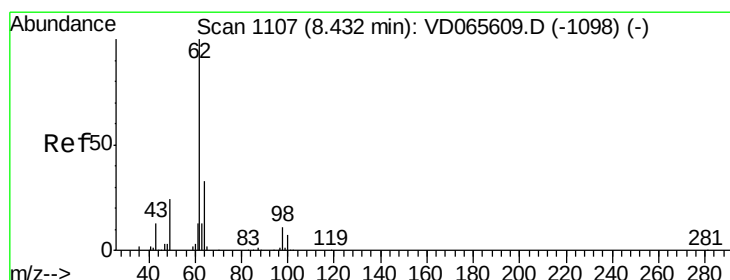
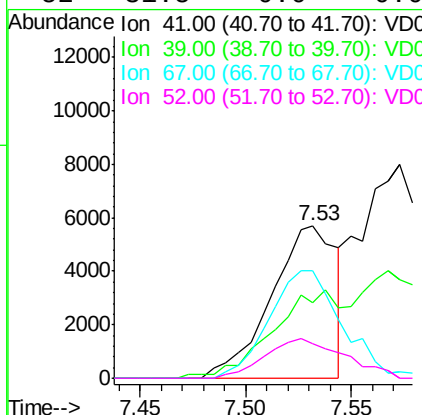
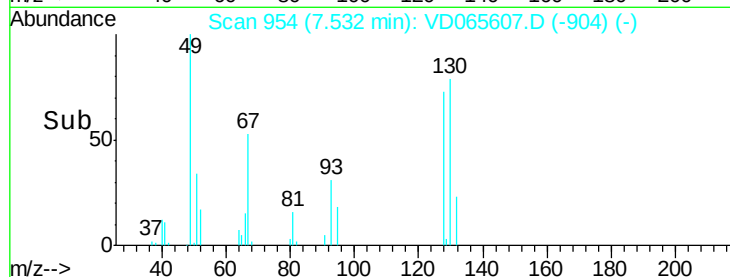
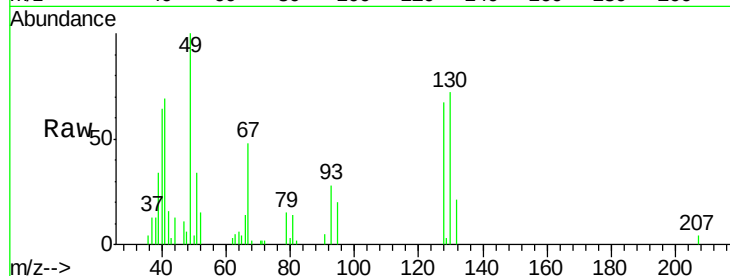
#41  
Methacrylonitrile  
Concen: 8.215 ug/l  
RT: 7.53 min Scan# 954  
Delta R.T. -0.01 min  
Lab File: VD065607.D  
Acq: 09 Apr 2020 11:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 57.9 | 0.0   | 0.0   | #     |
| 67      | 79.8 | 0.0   | 0.0   | #     |
| 52      | 31.5 | 0.0   | 0.0   | #     |

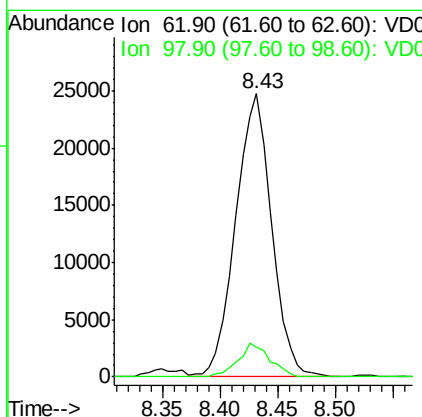
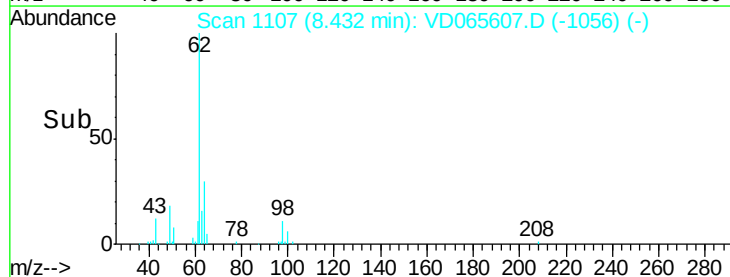
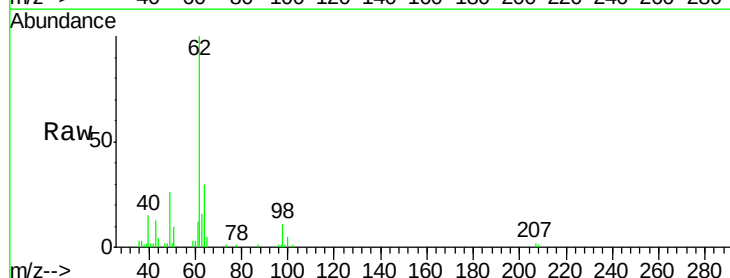
Manual Integrations  
APPROVED

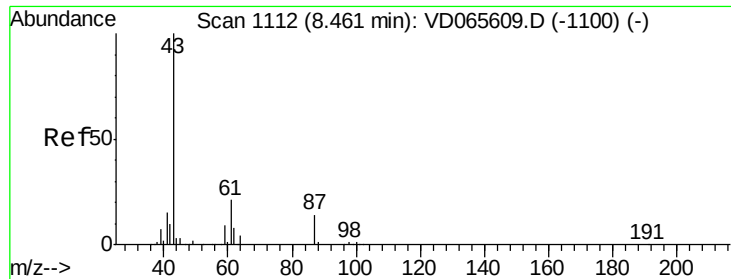
MMDadoda  
4/10/2020 2:58:37 PM



#42  
1,2-Dichloroethane  
Concen: 9.804 ug/l  
RT: 8.43 min Scan# 1107  
Delta R.T. 0.00 min  
Lab File: VD065607.D  
Acq: 09 Apr 2020 11:07

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 62      | 100  |       |       |       |
| 98      | 10.4 | 0.0   | 21.0  |       |





#43

Isopropyl Acetate

Concen: 9.128 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065607.D

Acq: 09 Apr 2020 11:07

Instrument :

MSVOA\_D

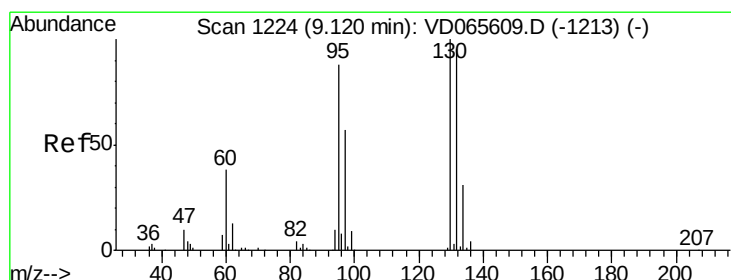
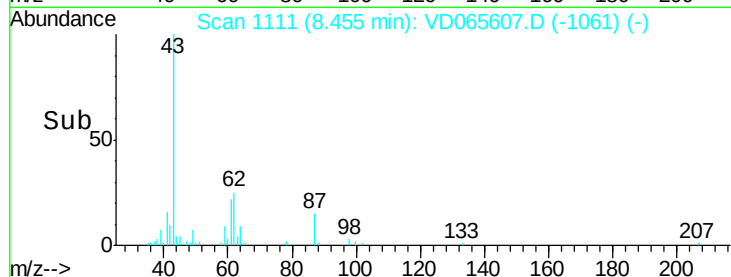
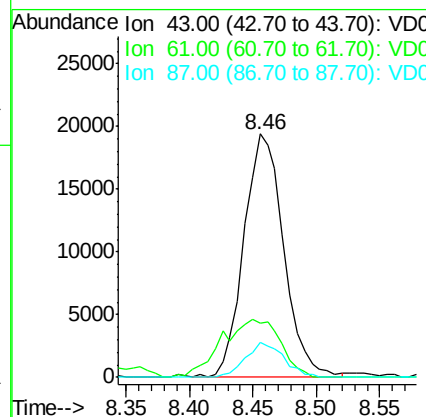
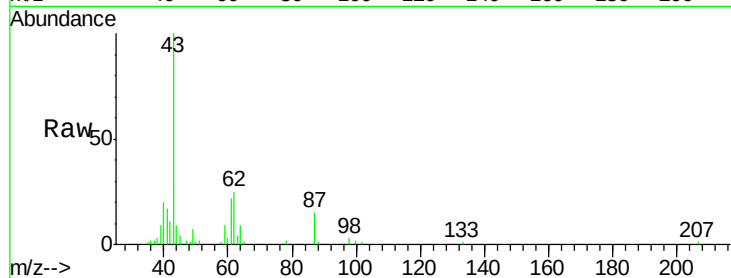
ClientSampleId :

VSTDIC010

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 42395 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 35.4  | 25.9  | 38.9  |
| 87       | 13.7  | 10.9  | 16.3  |

Manual Integrations  
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#44

Trichloroethene

Concen: 9.585 ug/l

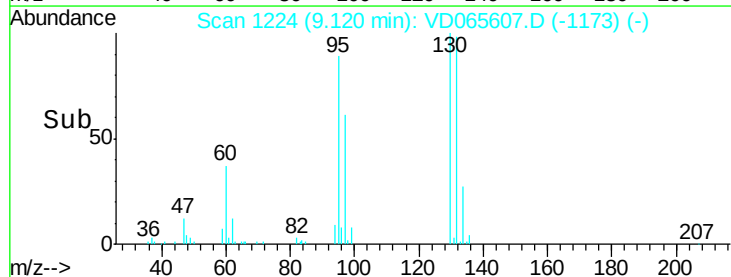
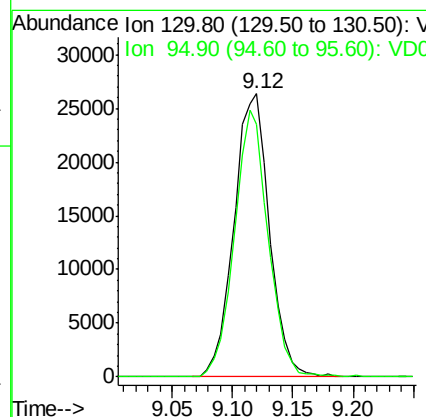
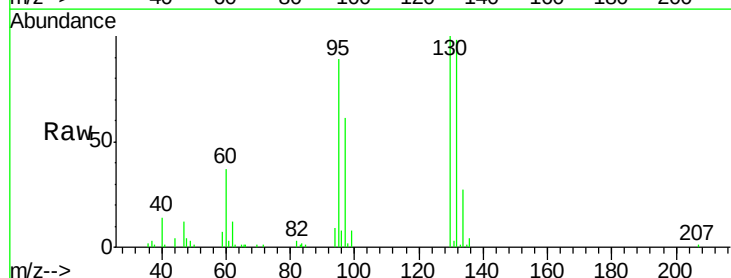
RT: 9.12 min Scan# 1224

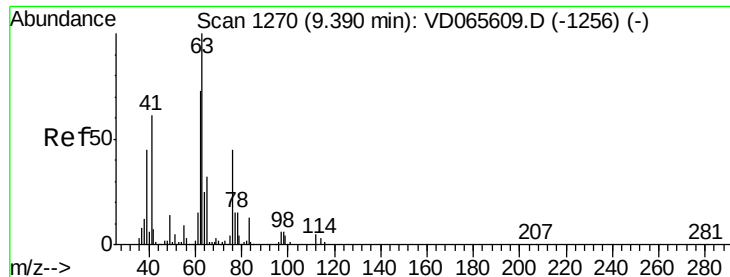
Delta R.T. 0.00 min

Lab File: VD065607.D

Acq: 09 Apr 2020 11:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 53962 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 89.1  | 0.0   | 176.8 |





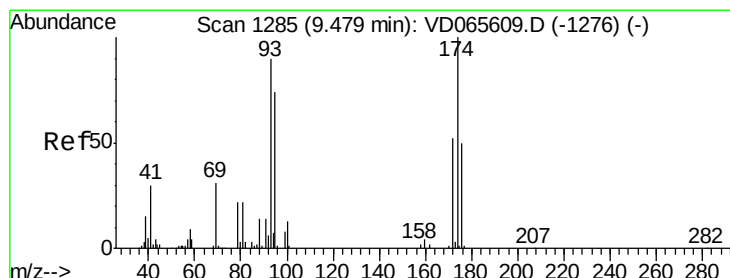
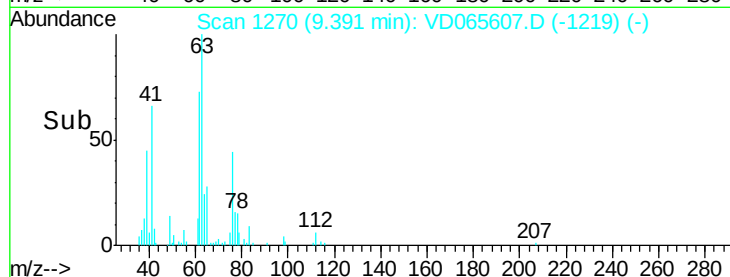
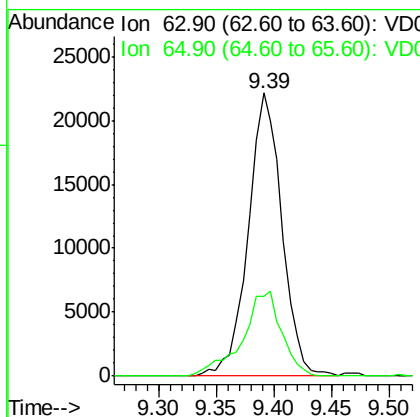
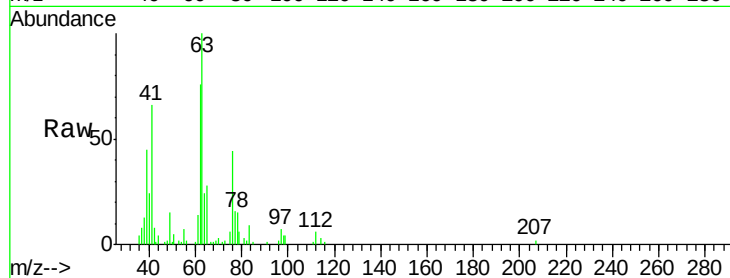
#45  
 1,2-Dichloropropane  
 Concen: 9.451 ug/l  
 RT: 9.39 min Scan# 1270  
 Delta R.T. 0.00 min  
 Lab File: VD065607.D  
 Acq: 09 Apr 2020 11:07

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC010

| Tot Ion   | 63    | Resp  | 45083 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 63        | 100   |       |       |
| 65        | 28.3  | 25.3  | 37.9  |

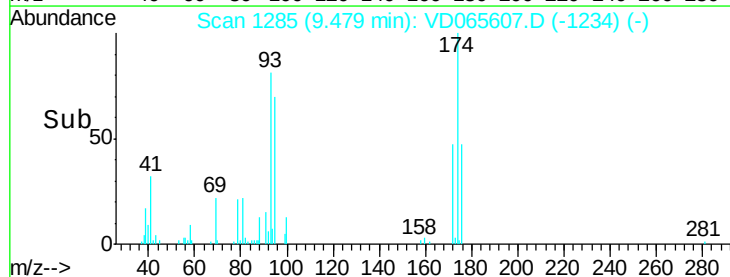
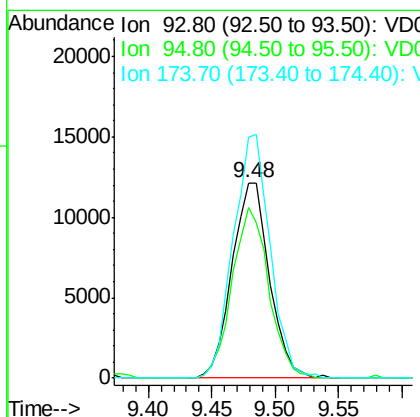
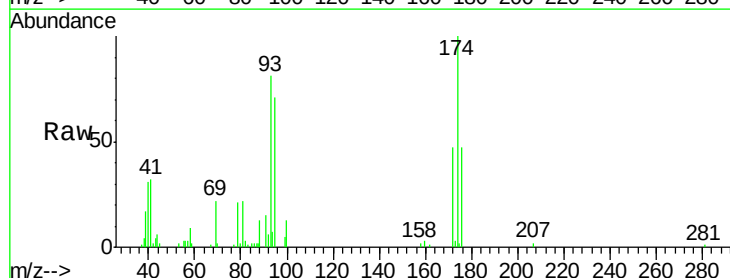
Manual Integrations  
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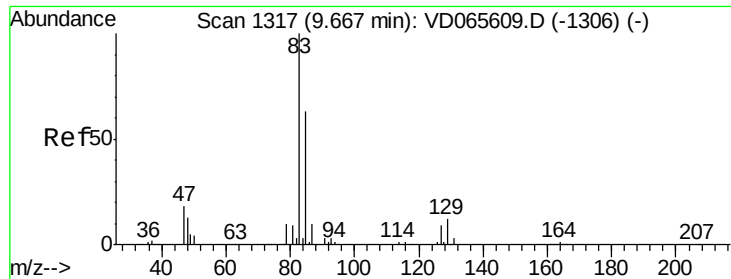
MMDadoda  
 4/10/2020 2:58:37 PM



#46  
 Dibromomethane  
 Concen: 9.687 ug/l  
 RT: 9.48 min Scan# 1285  
 Delta R.T. 0.00 min  
 Lab File: VD065607.D  
 Acq: 09 Apr 2020 11:07

| Tgt Ion   | 93    | Resp  | 24836 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 93        | 100   |       |       |
| 95        | 85.3  | 66.5  | 99.7  |
| 174       | 122.5 | 91.5  | 137.3 |





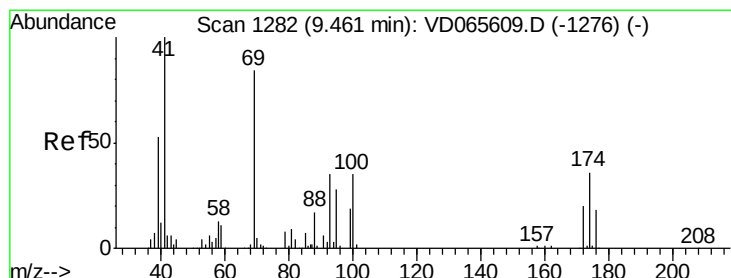
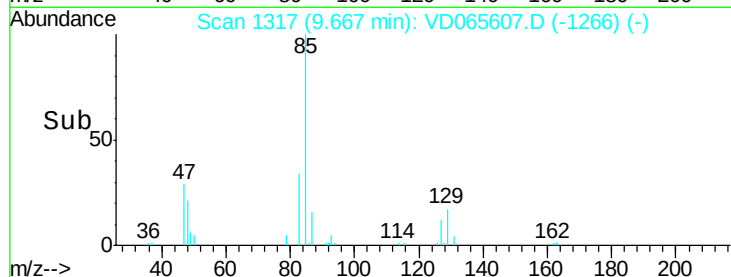
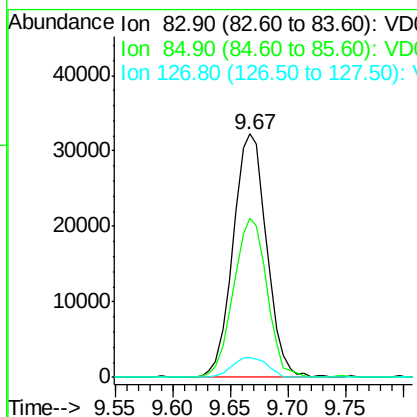
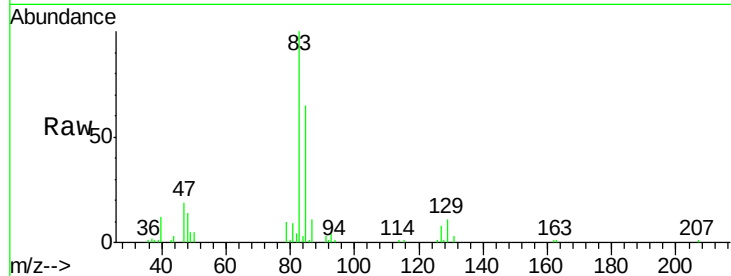
#47  
 Bromodichloromethane  
 Concen: 9.646 ug/l  
 RT: 9.67 min Scan# 1317  
 Delta R.T. 0.00 min  
 Lab File: VD065607.D  
 Acq: 09 Apr 2020 11:07

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC010

| Tot Ion   | 83   | Resp  | 64852 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 83        | 100  |       |       |
| 85        | 65.4 | 50.7  | 76.1  |
| 127       | 8.0  | 7.6   | 11.4  |

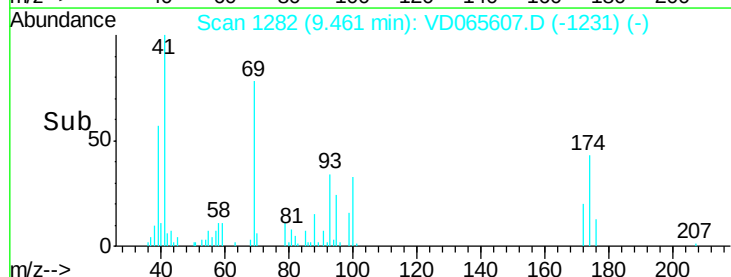
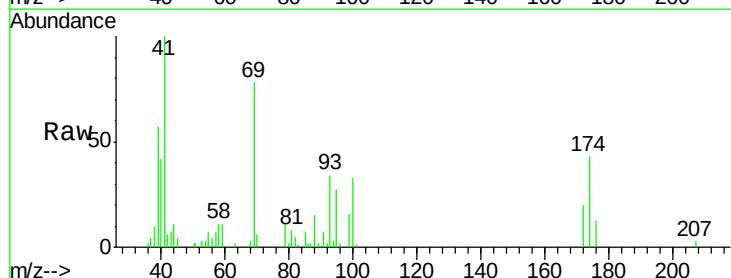
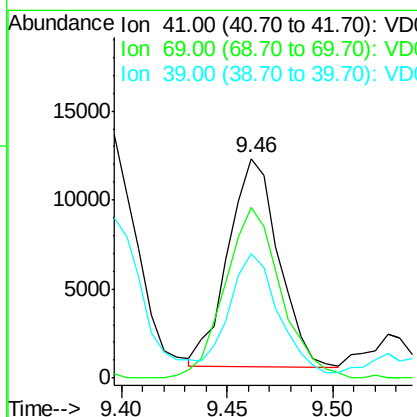
Manual Integrations  
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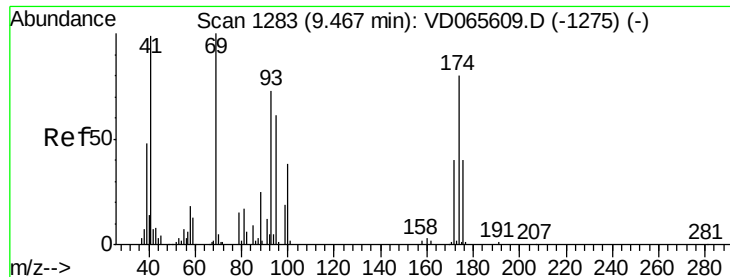
MMDadoda  
 4/10/2020 2:58:37 PM



#48  
 Methyl methacrylate  
 Concen: 8.977 ug/l  
 RT: 9.46 min Scan# 1282  
 Delta R.T. 0.00 min  
 Lab File: VD065607.D  
 Acq: 09 Apr 2020 11:07

| Tgt Ion   | 41   | Resp  | 19339 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 41        | 100  |       |       |
| 69        | 90.7 | 72.4  | 108.6 |
| 39        | 53.7 | 43.5  | 65.3  |





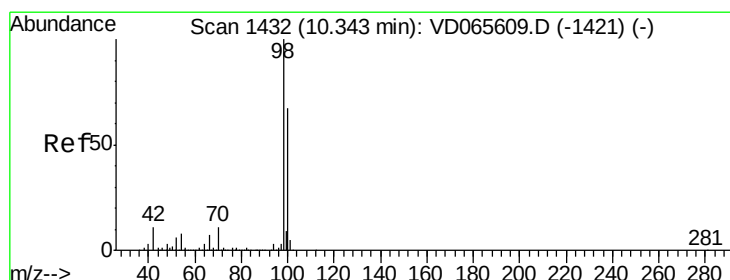
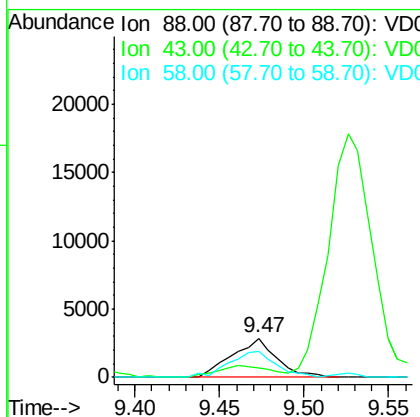
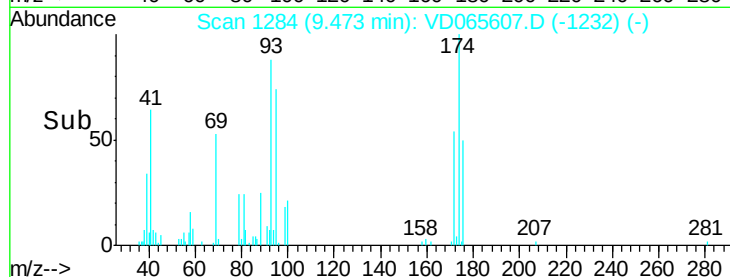
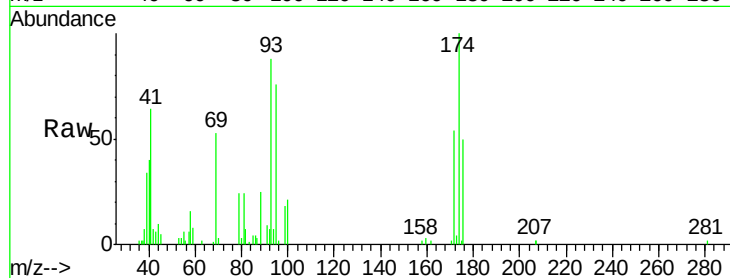
#49  
1,4-Dioxane  
Concen: 191.353 ug/l  
RT: 9.47 min Scan# 1284  
Delta R.T. 0.01 min  
Lab File: VD065607.D  
Acq: 09 Apr 2020 11:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

| Tot Ion | 88    | Resp  | 5196  |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 37.2  | 29.8  | 44.8  |
| 58      | 71.9  | 57.7  | 86.5  |

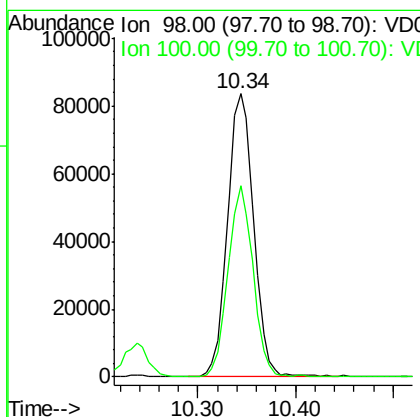
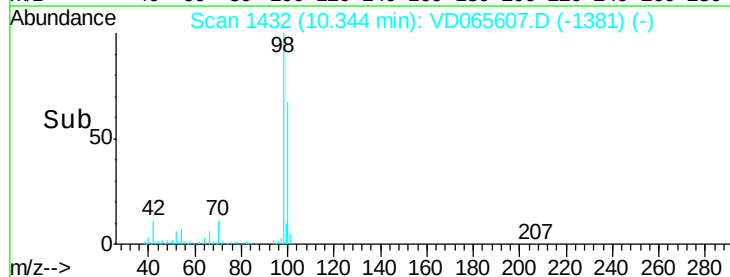
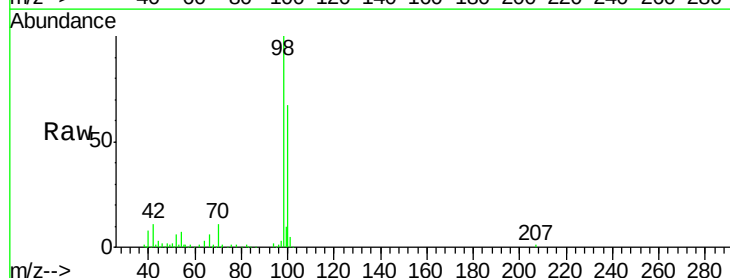
Manual Integrations  
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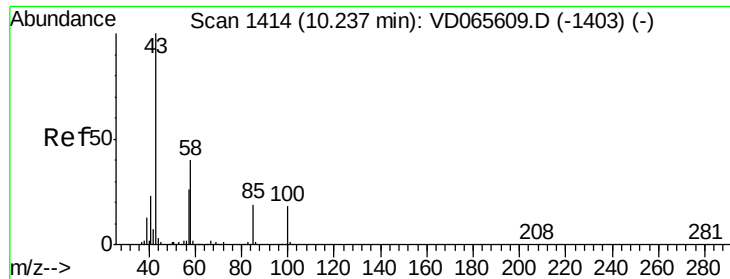
MMDadoda  
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#50  
Toluene-d8  
Concen: 9.160 ug/l  
RT: 10.34 min Scan# 1432  
Delta R.T. 0.00 min  
Lab File: VD065607.D  
Acq: 09 Apr 2020 11:07

| Tgt Ion | 98    | Resp  | 155628 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 98      | 100   |       |        |
| 100     | 64.6  | 52.6  | 79.0   |





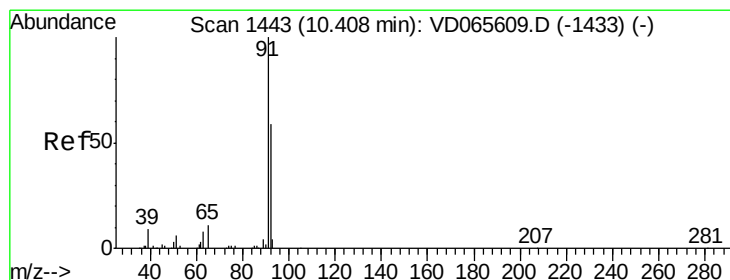
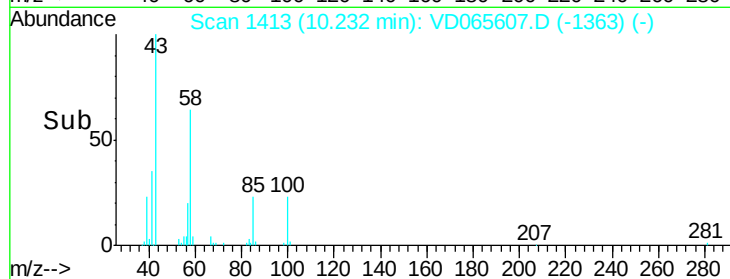
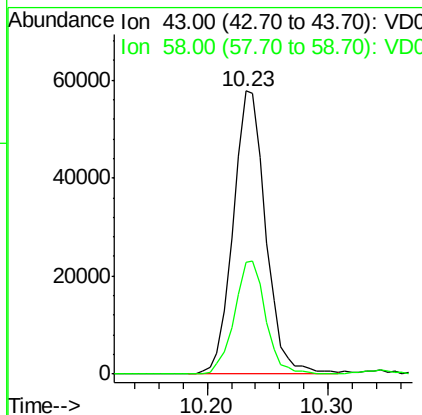
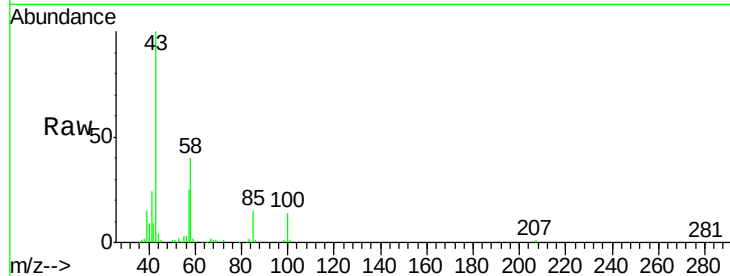
#51  
4-Methyl-2-Pentanone  
Concen: 45.429 ug/l  
RT: 10.23 min Scan# 1413  
Delta R.T. -0.01 min  
Lab File: VD065607.D  
Acq: 09 Apr 2020 11:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

| Tot Ion   | 43 | Resp | 108736 |
|-----------|----|------|--------|
| Ion Ratio | 43 | 100  |        |
| Lower     | 58 | 38.4 | 31.4   |
| Upper     |    |      | 47.2   |

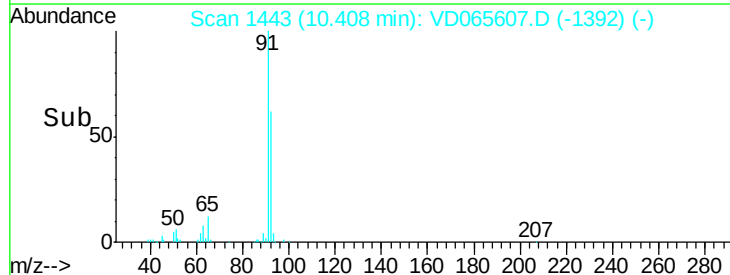
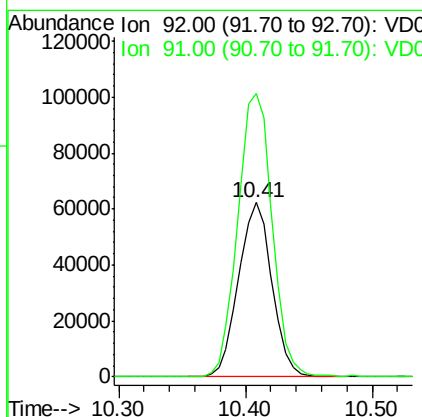
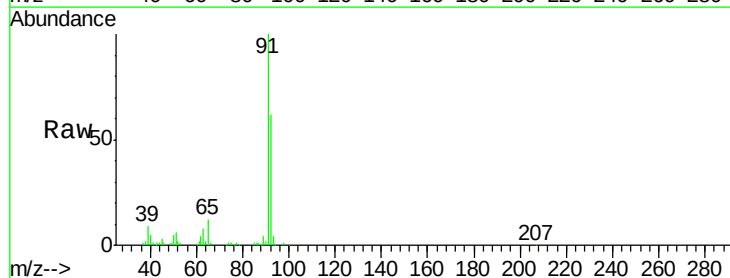
Manual Integrations  
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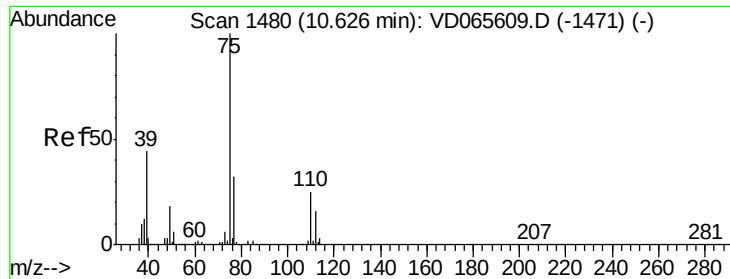
MMDadoda  
4/10/2020 2:58:37 PM



#52  
Toluene  
Concen: 9.220 ug/l  
RT: 10.41 min Scan# 1443  
Delta R.T. 0.00 min  
Lab File: VD065607.D  
Acq: 09 Apr 2020 11:07

| Tgt Ion   | 92 | Resp  | 114202 |
|-----------|----|-------|--------|
| Ion Ratio | 92 | 100   |        |
| Lower     | 91 | 167.3 | 137.9  |
| Upper     |    |       | 206.9  |





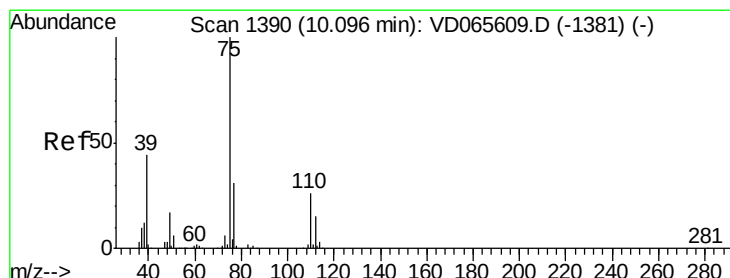
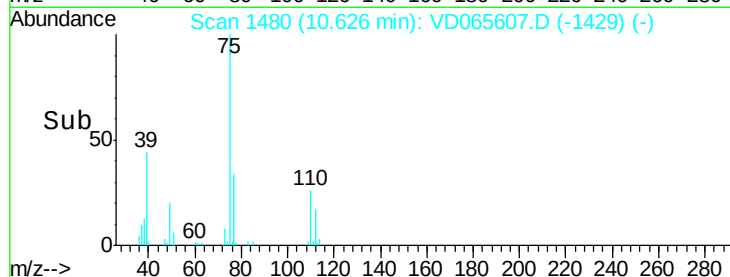
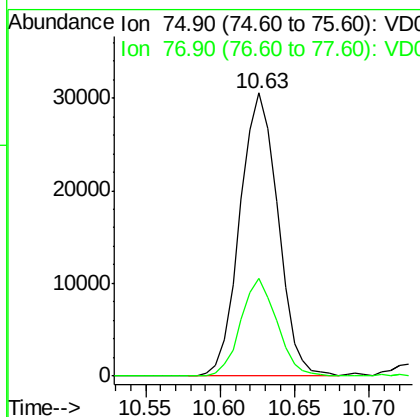
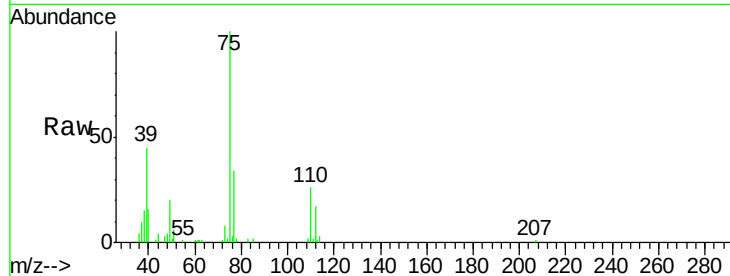
#53  
t-1,3-Dichloropropene  
Concen: 9.076 ug/l  
RT: 10.63 min Scan# 1480  
Delta R.T. 0.00 min  
Lab File: VD065607.D  
Acq: 09 Apr 2020 11:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 34.4  | 25.4  | 38.0  |

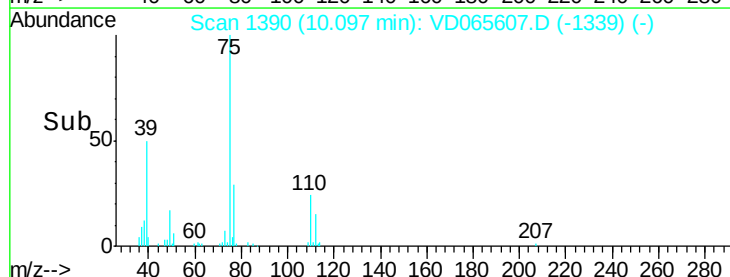
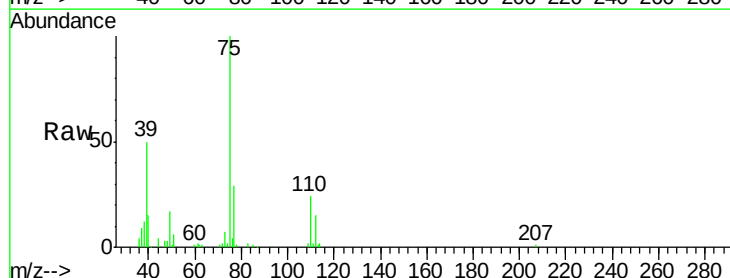
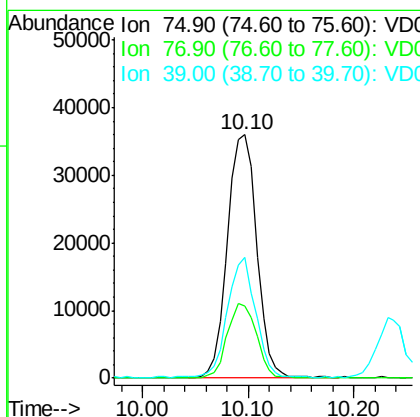
Manual Integrations  
APPROVED

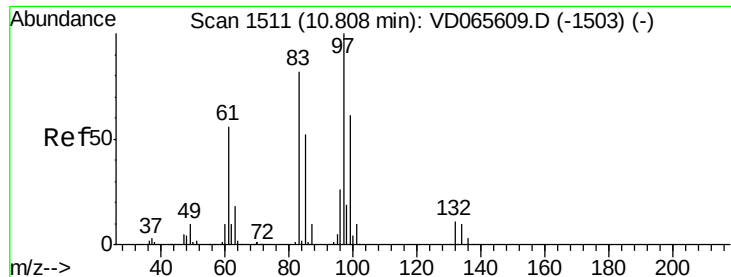
MMDadoda  
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#54  
cis-1,3-Dichloropropene  
Concen: 9.460 ug/l  
RT: 10.10 min Scan# 1390  
Delta R.T. 0.00 min  
Lab File: VD065607.D  
Acq: 09 Apr 2020 11:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 29.4  | 24.5  | 36.7  |
| 39      | 49.1  | 35.5  | 53.3  |





#55

1,1,2-Trichloroethane

Concen: 9.948 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VD065607.D

Acq: 09 Apr 2020 11:07

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC010

Tot Ion: 97 Resp: 35792

Ion Ratio Lower Upper

97 100

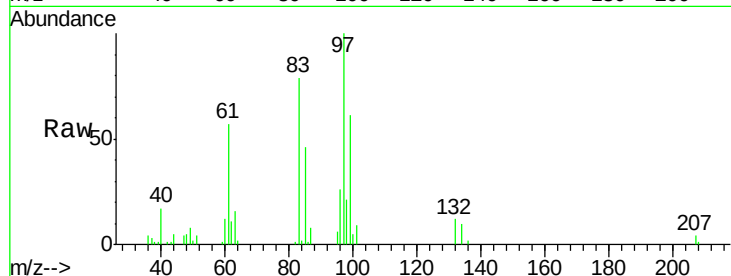
83 78.7 65.7 98.5

85 45.8 41.6 62.4

99 60.6 48.7 73.1

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4/10/2020 2:58:37 PM

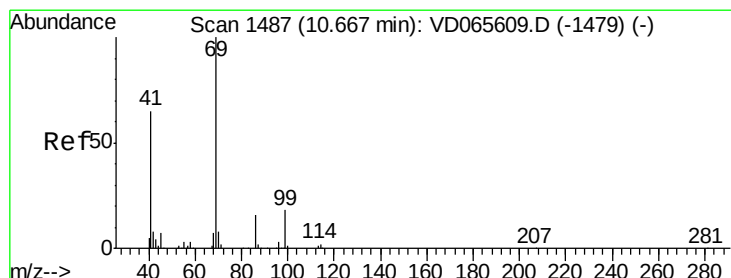
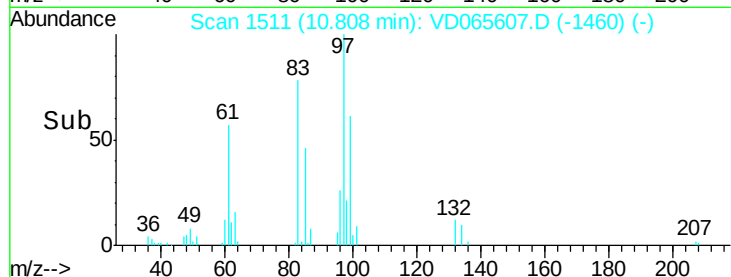
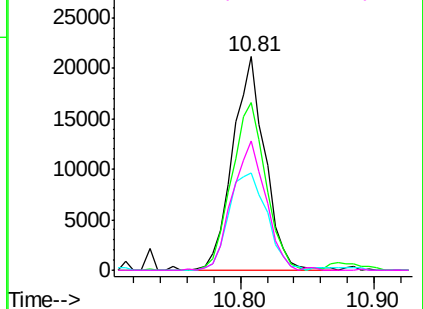


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 8.659 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD065607.D

Acq: 09 Apr 2020 11:07

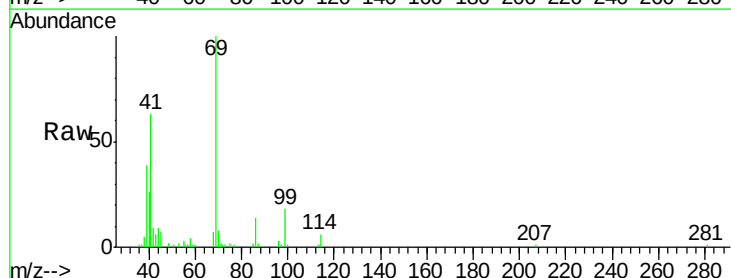
Tgt Ion: 69 Resp: 31422

Ion Ratio Lower Upper

69 100

41 65.0 54.4 81.6

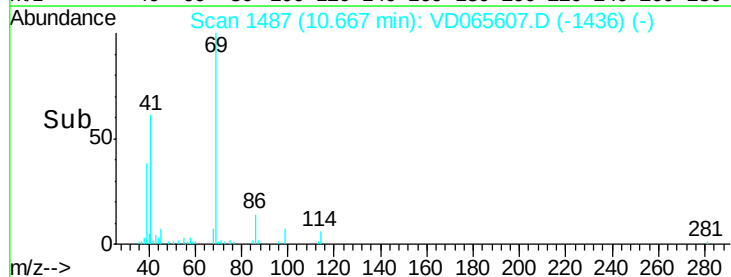
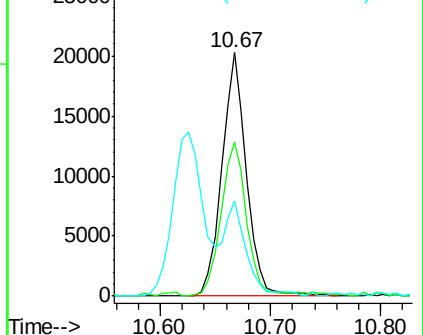
39 36.6 26.5 39.7



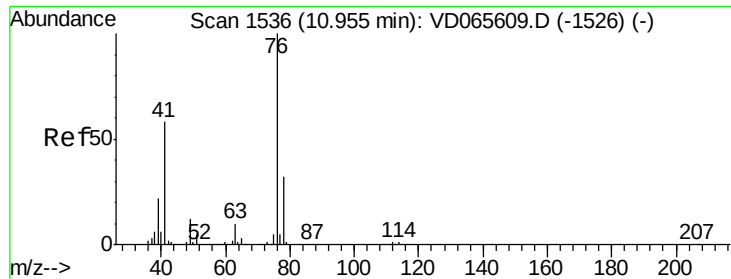
Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC







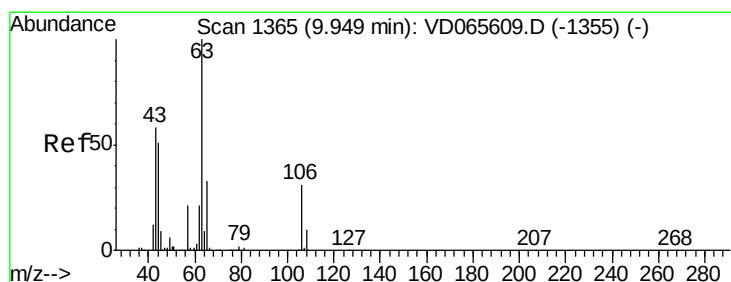
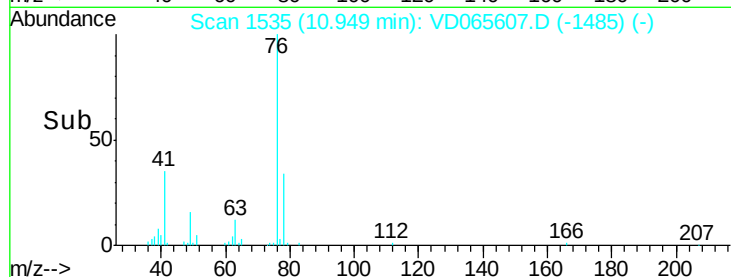
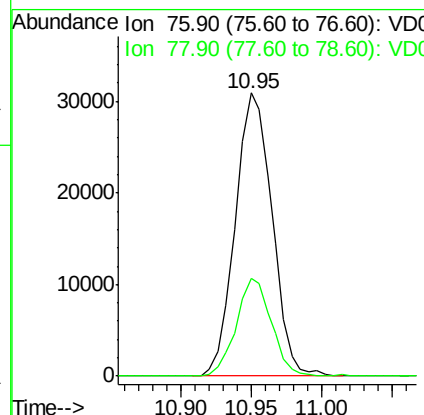
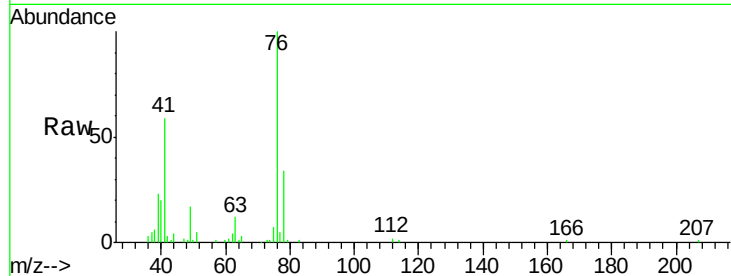
#57  
 1,3-Dichloropropane  
 Concen: 9.453 ug/l  
 RT: 10.95 min Scan# 1535  
 Delta R.T. -0.01 min  
 Lab File: VD065607.D  
 Acq: 09 Apr 2020 11:07

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.9  | 26.0  | 39.0  |

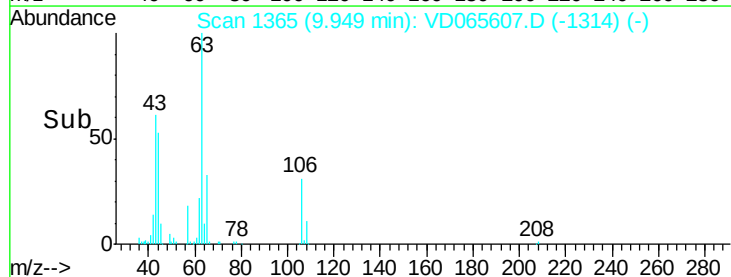
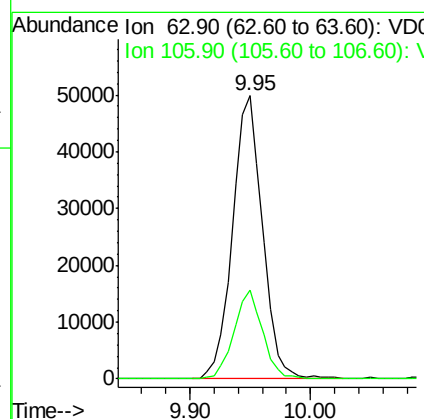
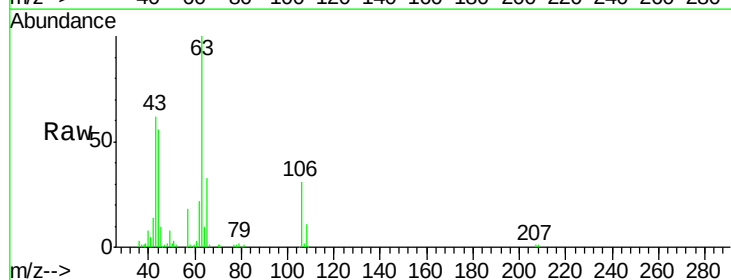
Manual Integrations  
 APPROVED

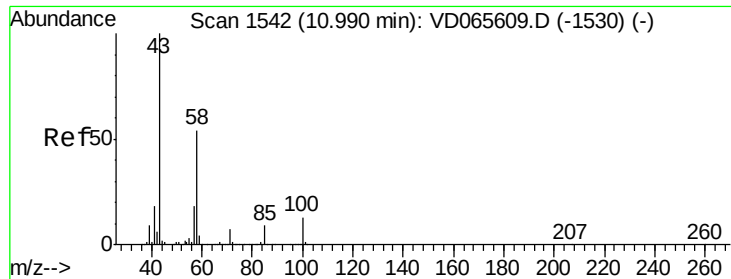
MMDadoda  
 4/10/2020 2:58:37 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 45.096 ug/l  
 RT: 9.95 min Scan# 1365  
 Delta R.T. 0.00 min  
 Lab File: VD065607.D  
 Acq: 09 Apr 2020 11:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 30.1  | 24.2  | 36.2  |





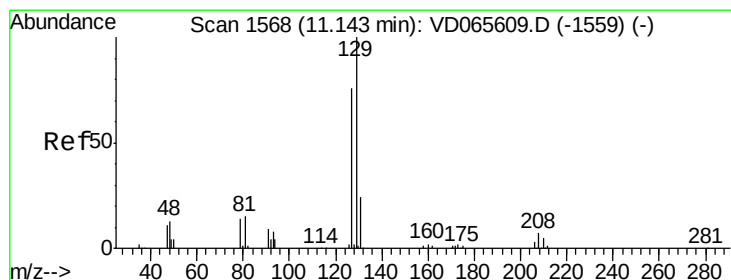
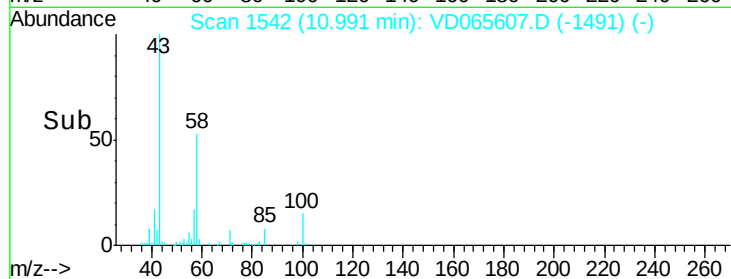
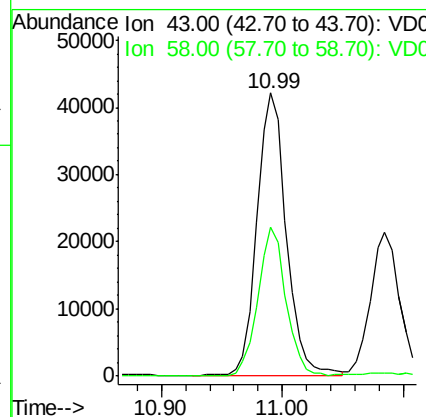
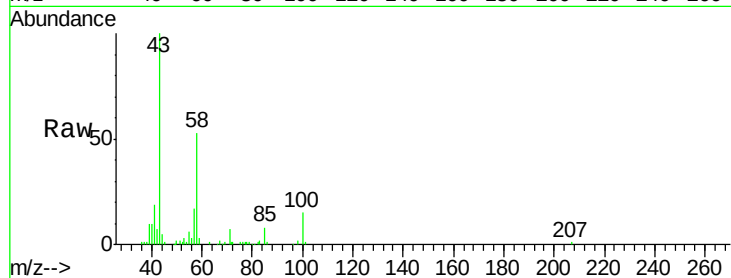
#59  
2-Hexanone  
Concen: 45.002 ug/l  
RT: 10.99 min Scan# 1542  
Delta R.T. 0.00 min  
Lab File: VD065607.D  
Acq: 09 Apr 2020 11:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

Tot Ion: 43 Resp: 71586  
Ion Ratio Lower Upper  
43 100  
58 50.4 27.1 81.3

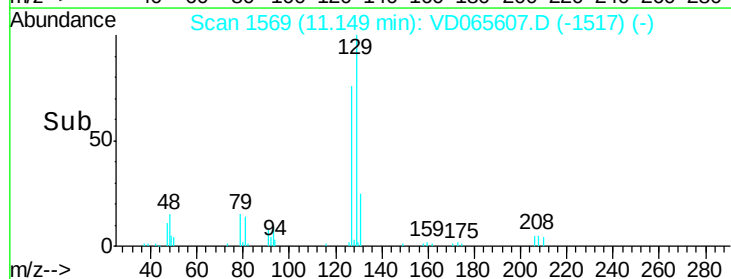
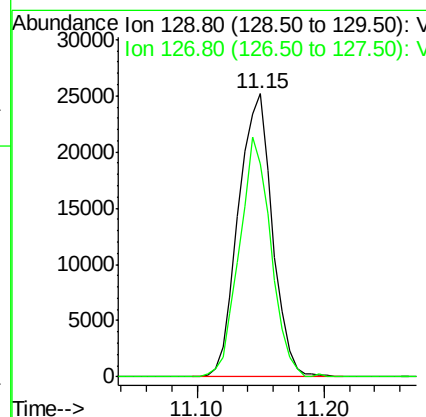
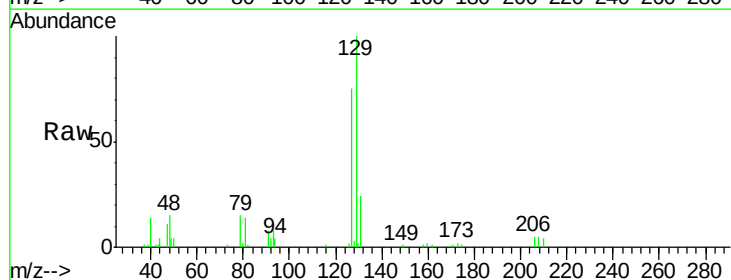
Manual Integrations  
APPROVED

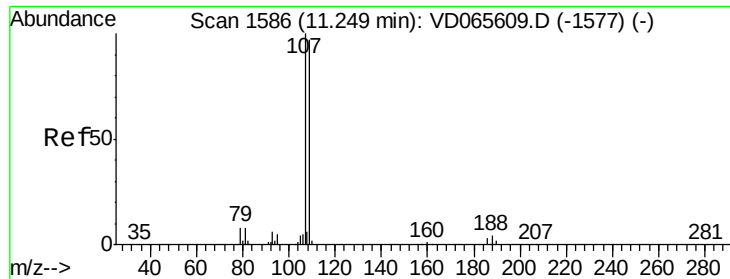
MMDadoda  
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#60  
Dibromochloromethane  
Concen: 9.761 ug/l  
RT: 11.15 min Scan# 1569  
Delta R.T. 0.01 min  
Lab File: VD065607.D  
Acq: 09 Apr 2020 11:07

Tgt Ion: 129 Resp: 46775  
Ion Ratio Lower Upper  
129 100  
127 78.2 38.1 114.3





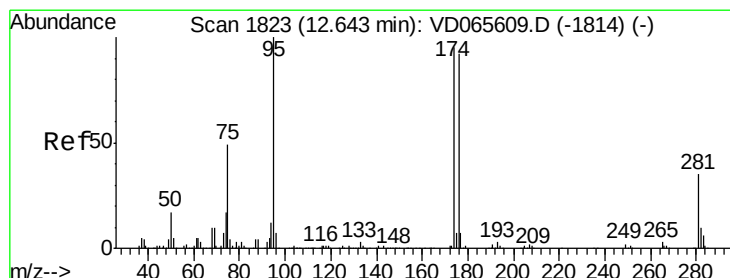
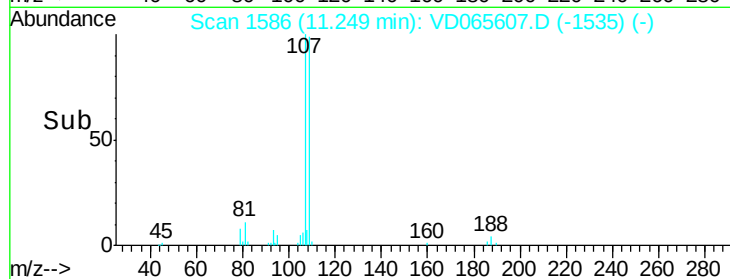
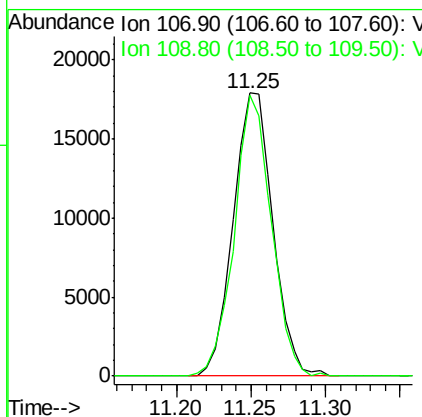
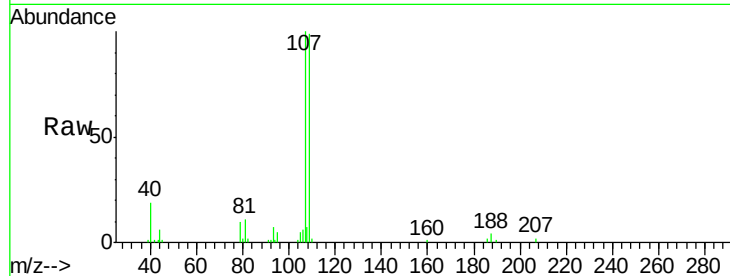
#61  
 1,2-Dibromoethane  
 Concen: 9.664 ug/l  
 RT: 11.25 min Scan# 1586  
 Delta R.T. 0.00 min  
 Lab File: VD065607.D  
 Acq: 09 Apr 2020 11:07

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 92.9  | 74.9  | 112.3 |

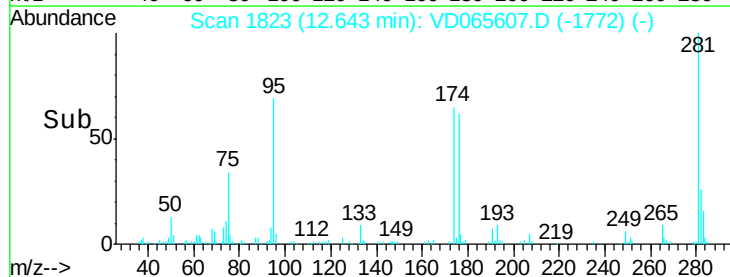
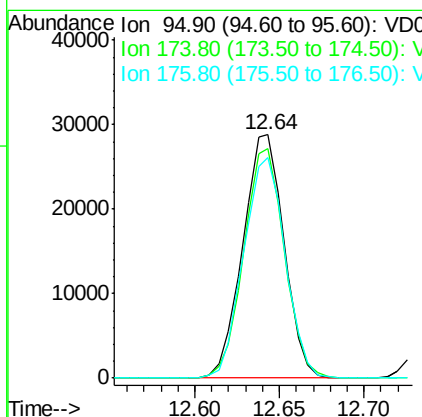
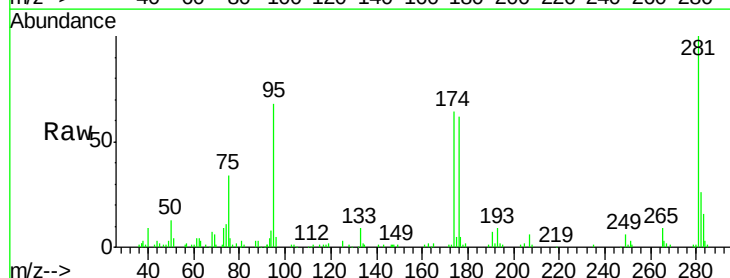
Manual Integrations  
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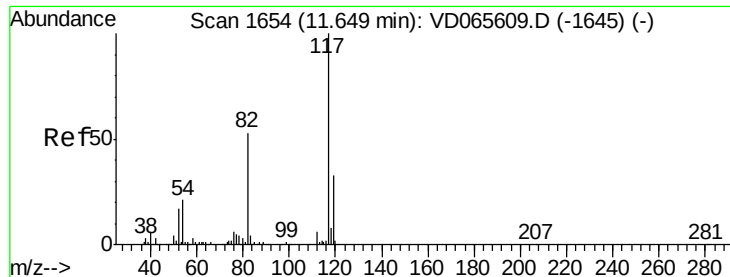
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#62  
 4-Bromofluorobenzene  
 Concen: 8.956 ug/l  
 RT: 12.64 min Scan# 1823  
 Delta R.T. 0.00 min  
 Lab File: VD065607.D  
 Acq: 09 Apr 2020 11:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 93.2  | 0.0   | 182.8 |
| 176     | 91.5  | 0.0   | 176.6 |





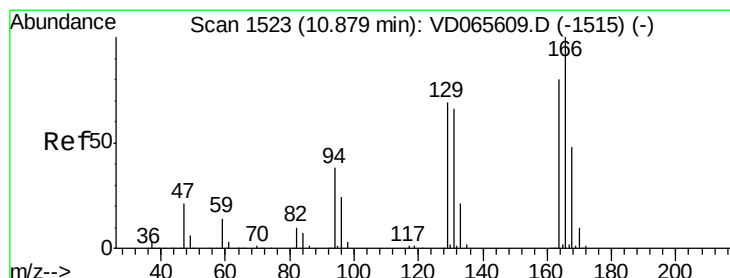
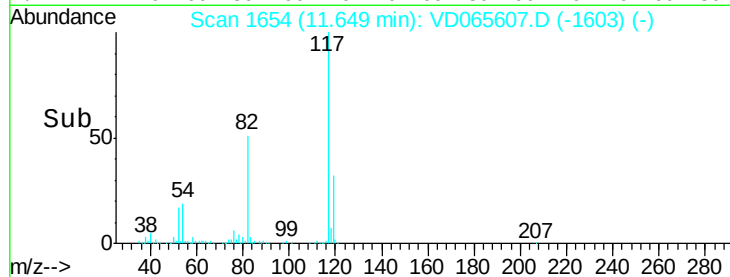
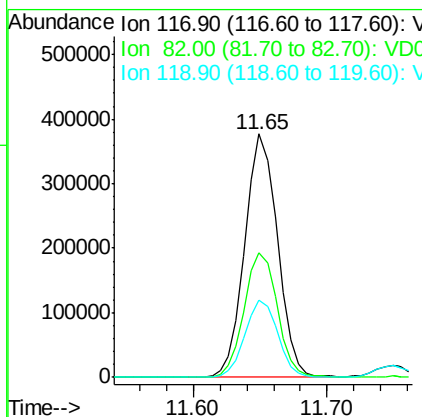
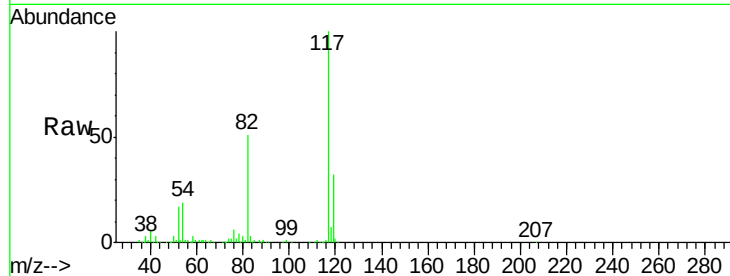
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. 0.00 min  
Lab File: VD065607.D  
Acq: 09 Apr 2020 11:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 51.2  | 42.6  | 64.0  |
| 119     | 31.8  | 26.7  | 40.1  |

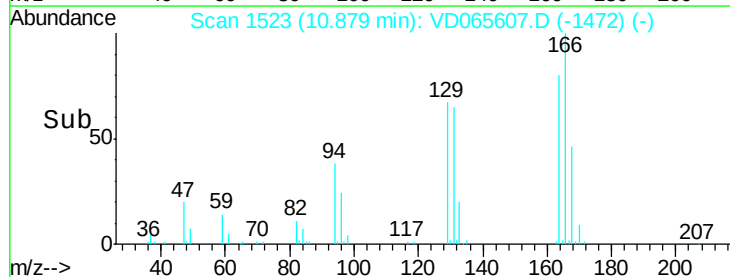
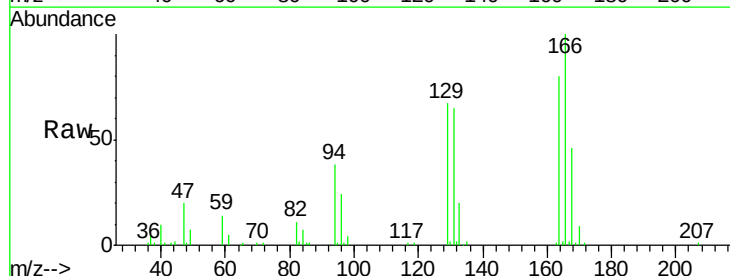
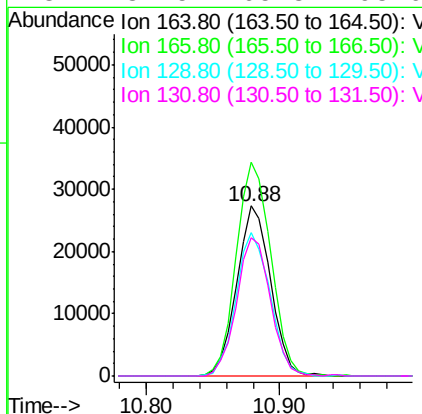
Manual Integrations  
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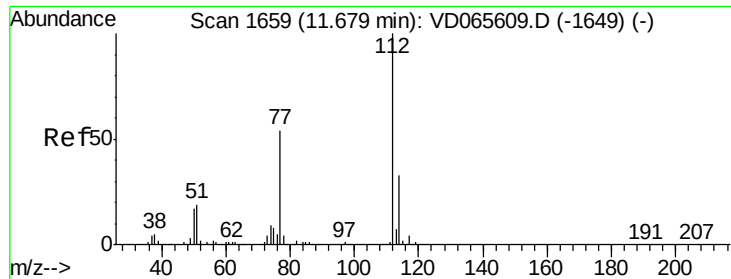
MMDadoda  
4/10/2020 2:58:37 PM



#64  
Tetrachloroethene  
Concen: 9.429 ug/l  
RT: 10.88 min Scan# 1523  
Delta R.T. 0.00 min  
Lab File: VD065607.D  
Acq: 09 Apr 2020 11:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 125.7 | 100.2 | 150.2 |
| 129     | 84.4  | 69.5  | 104.3 |
| 131     | 81.5  | 65.8  | 98.6  |





#65

Chlorobenzene

Concen: 9.296 ug/l

RT: 11.68 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VD065607.D

Acq: 09 Apr 2020 11:07

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC010

Tot Ion:112 Resp: 128567

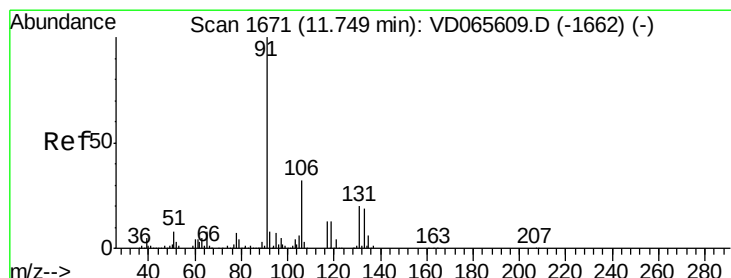
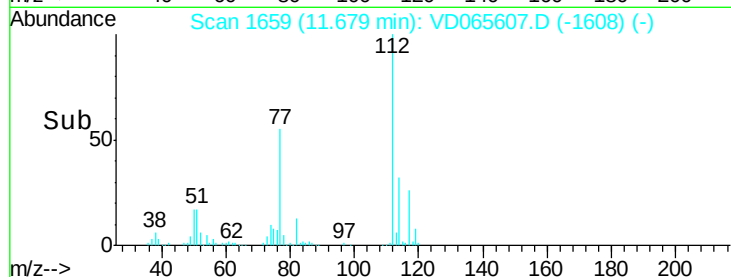
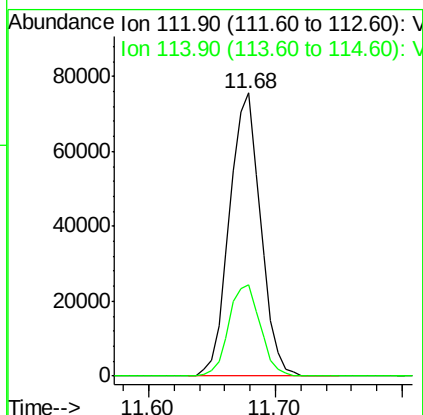
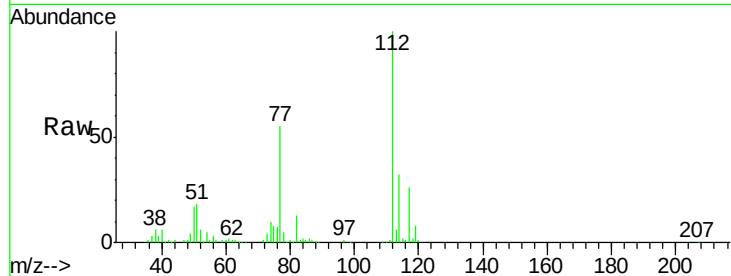
Ion Ratio Lower Upper

112 100

114 32.1 26.2 39.2

Manual Integrations  
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#66

1,1,1,2-Tetrachloroethane

Concen: 9.286 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065607.D

Acq: 09 Apr 2020 11:07

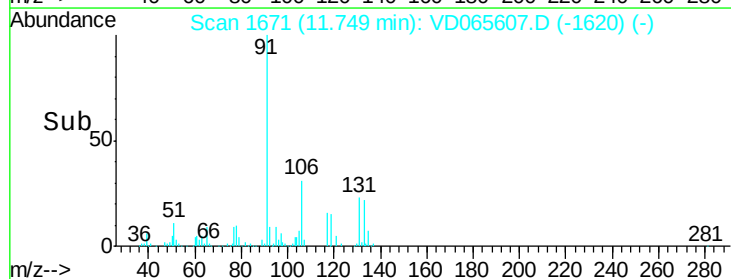
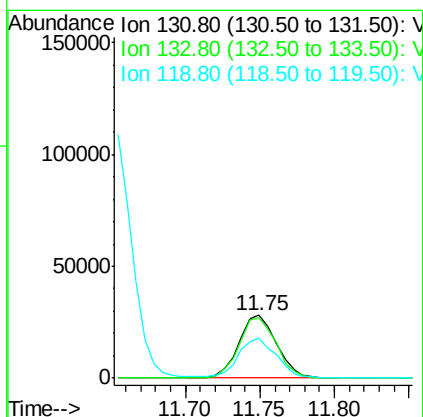
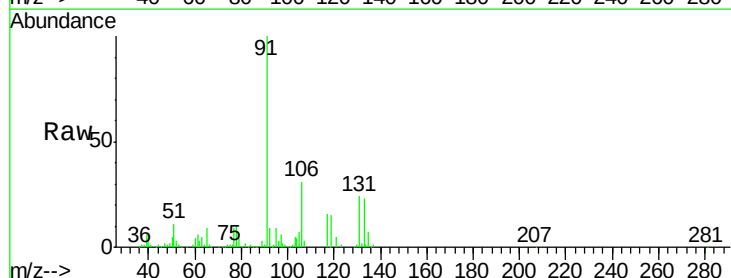
Tgt Ion:131 Resp: 48925

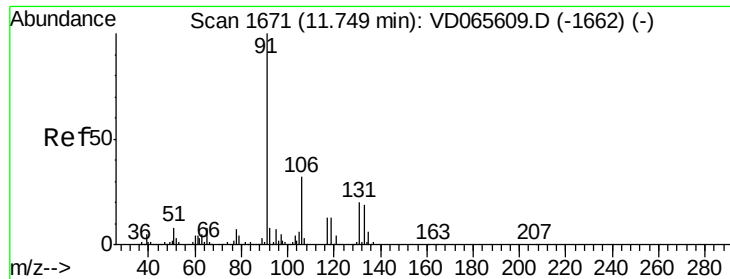
Ion Ratio Lower Upper

131 100

133 96.6 47.3 142.0

119 65.2 31.9 95.9





#67

Ethyl Benzene

Concen: 8.725 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065607.D

Acq: 09 Apr 2020 11:07

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 199272

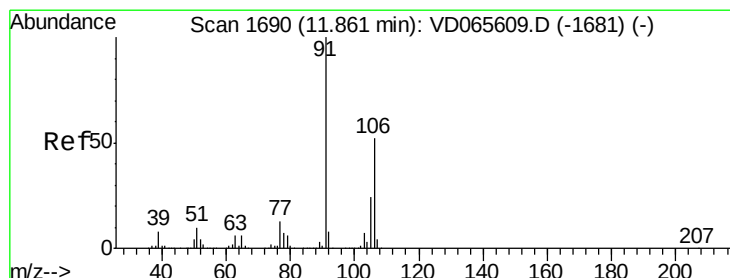
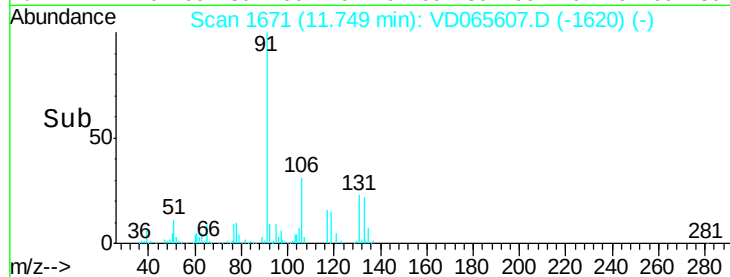
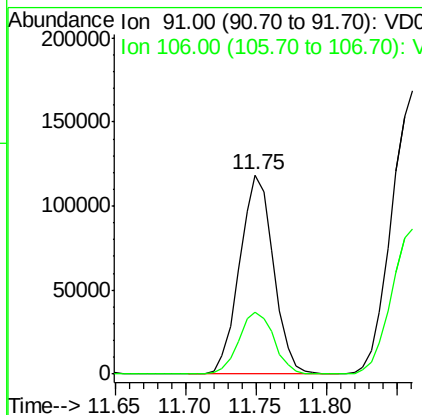
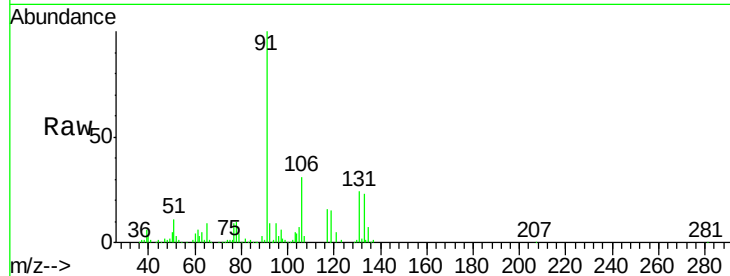
Ion Ratio Lower Upper

91 100

106 31.2 25.6 38.4

Manual Integrations  
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4/10/2020 2:58:37 PM



#68

m/p-Xylenes

Concen: 17.828 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065607.D

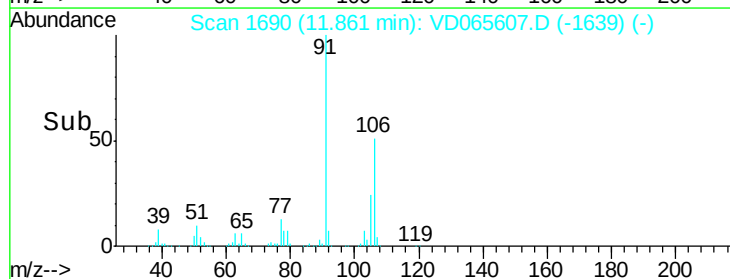
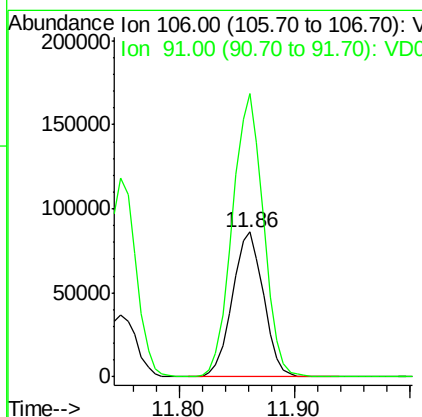
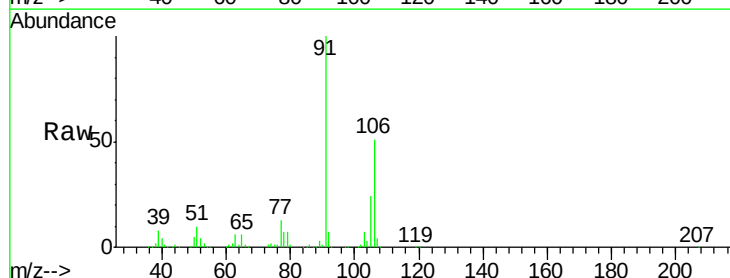
Acq: 09 Apr 2020 11:07

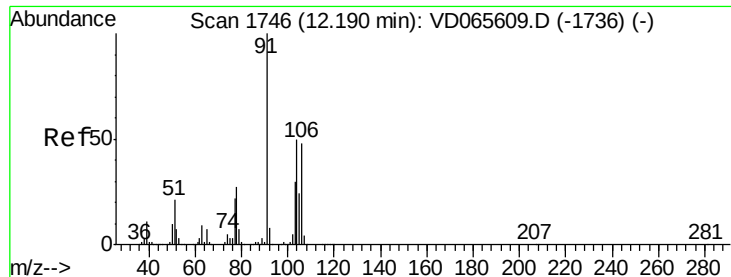
Tgt Ion: 106 Resp: 160636

Ion Ratio Lower Upper

106 100

91 195.7 155.0 232.4





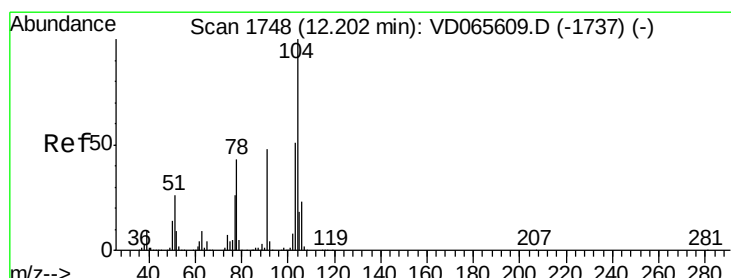
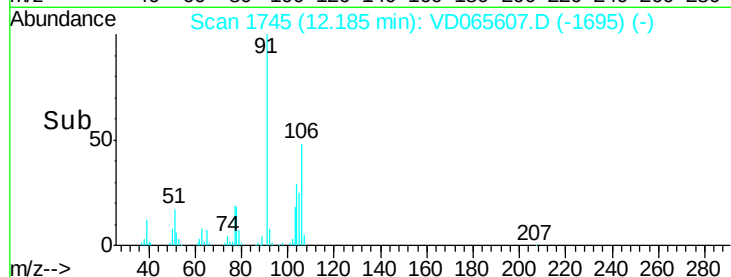
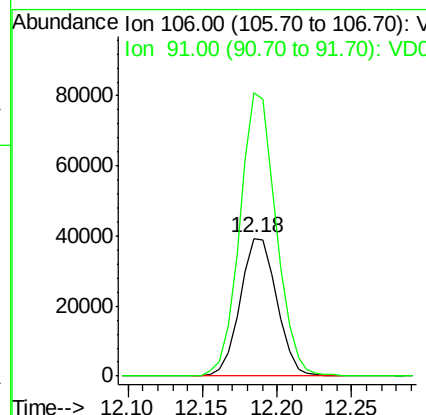
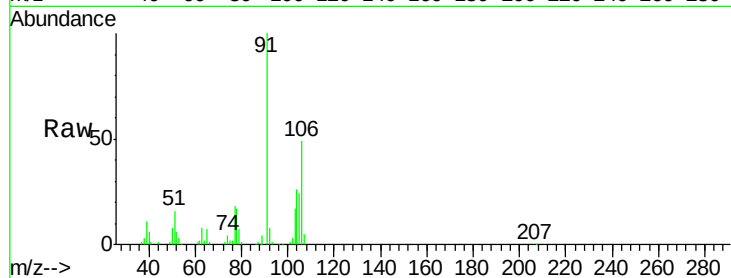
#69  
o-Xylene  
Concen: 8.616 ug/l  
RT: 12.18 min Scan# 1745  
Delta R.T. -0.01 min  
Lab File: VD065607.D  
Acq: 09 Apr 2020 11:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

| Tot Ion | Ion | Ratio | Resp  | Lower | Upper |
|---------|-----|-------|-------|-------|-------|
| 106     | 106 | 100   | 66898 |       |       |
| 91      | 91  | 204.0 |       | 103.8 | 311.3 |

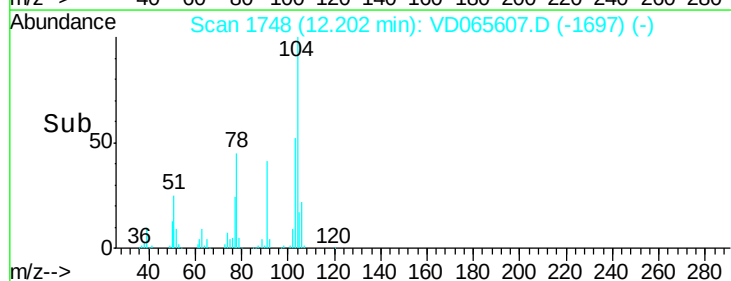
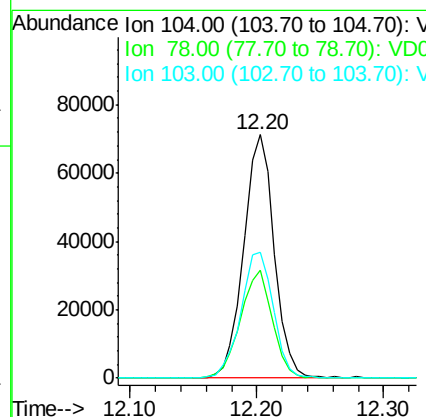
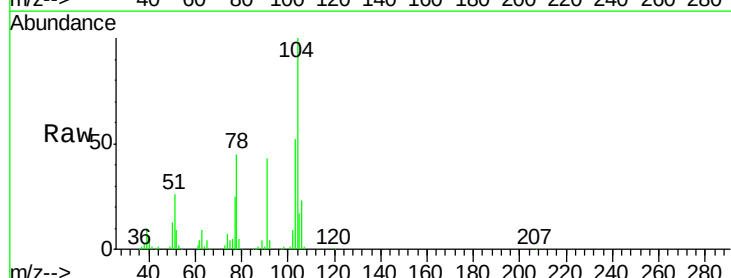
Manual Integrations  
APPROVED

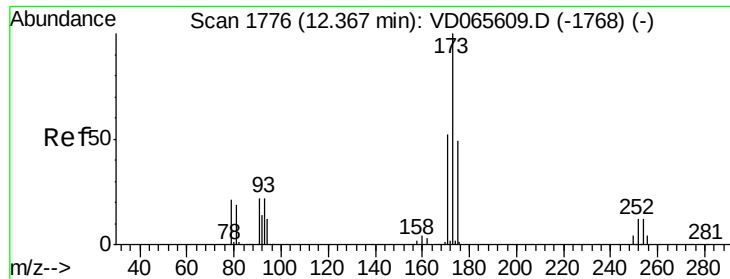
MMDadoda  
4/10/2020 2:58:37 PM



#70  
Styrene  
Concen: 8.659 ug/l  
RT: 12.20 min Scan# 1748  
Delta R.T. 0.00 min  
Lab File: VD065607.D  
Acq: 09 Apr 2020 11:07

| Tgt Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 104     | 104 | 100   | 118863 |       |       |
| 78      | 78  | 46.6  |        | 37.1  | 55.7  |
| 103     | 103 | 55.3  |        | 43.2  | 64.8  |





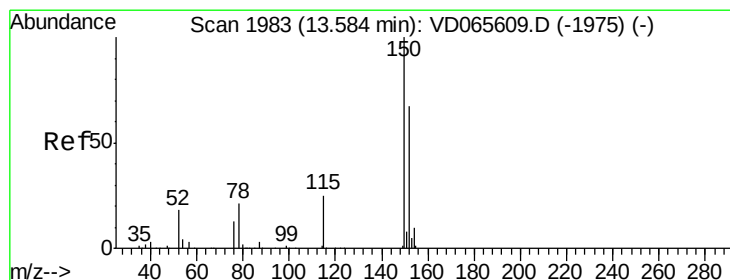
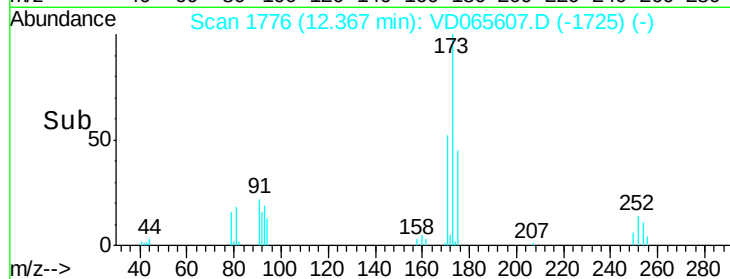
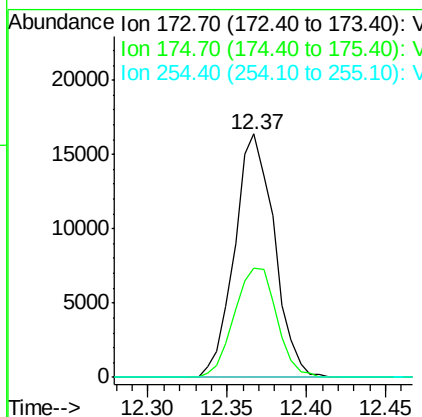
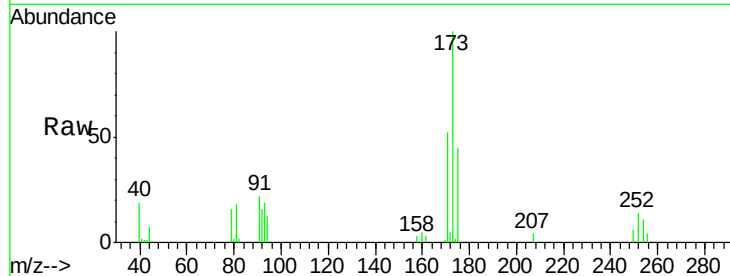
#71  
Bromoform  
Concen: 9.624 ug/l  
RT: 12.37 min Scan# 1776  
Delta R.T. 0.00 min  
Lab File: VD065607.D  
Acq: 09 Apr 2020 11:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.1  | 24.5  | 73.5  |
| 254     | 0.0   | 0.0   | 0.0   |

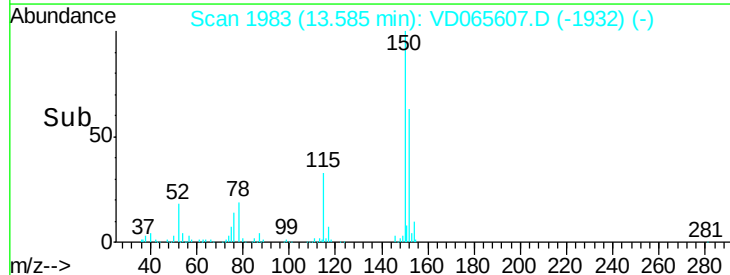
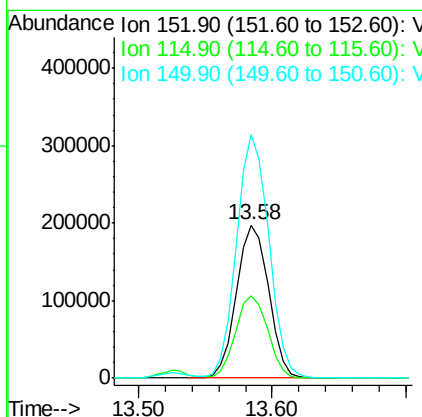
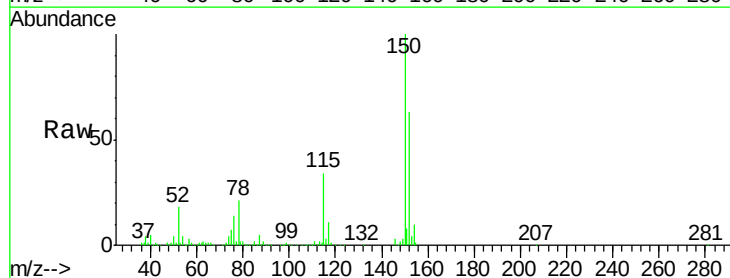
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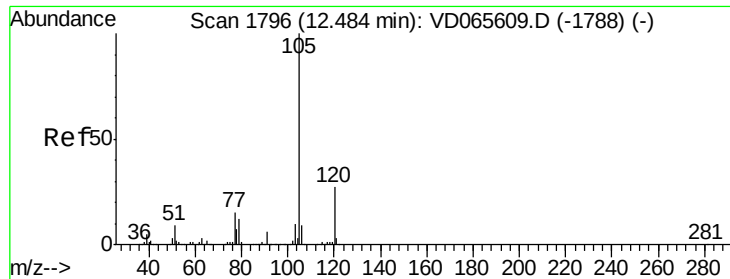


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1983  
Delta R.T. 0.00 min  
Lab File: VD065607.D  
Acq: 09 Apr 2020 11:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 53.9  | 27.1  | 81.2  |
| 150     | 160.1 | 0.0   | 348.2 |







#73

Isopropylbenzene

Concen: 8.630 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065607.D

Acq: 09 Apr 2020 11:07

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC010

Tot Ion: 105 Resp: 181026

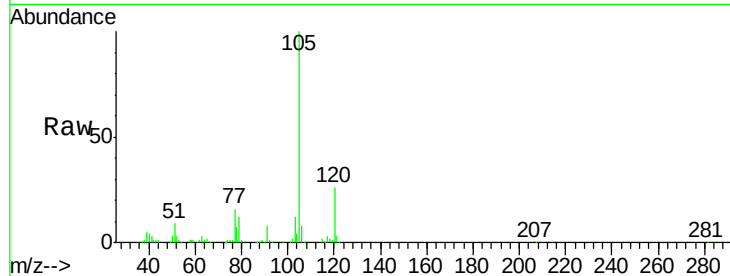
Ion Ratio Lower Upper

105 100

120 27.2 13.8 41.3

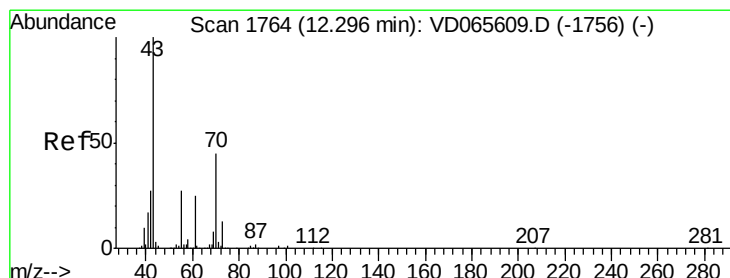
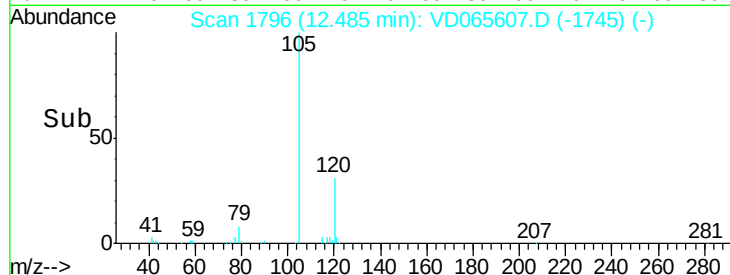
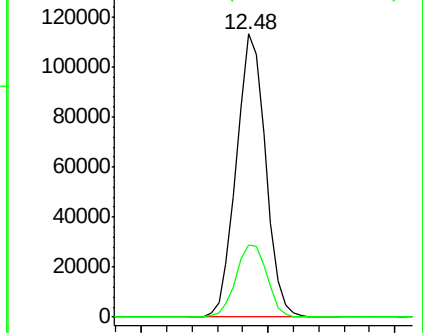
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 9.001 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065607.D

Acq: 09 Apr 2020 11:07

Tgt Ion: 43 Resp: 37390

Ion Ratio Lower Upper

43 100

70 44.1 35.2 52.8

55 28.7 22.5 33.7

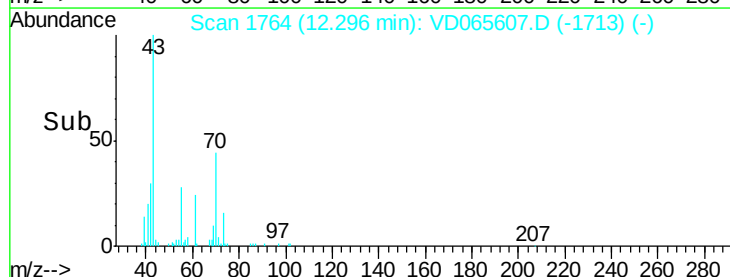
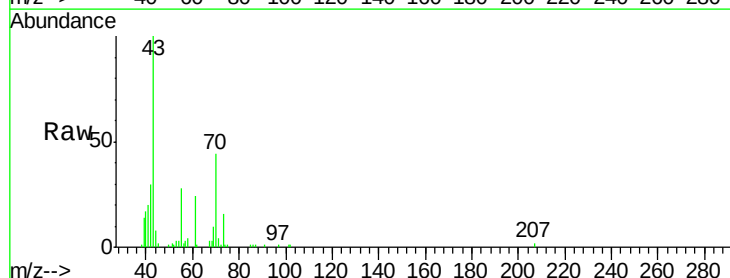
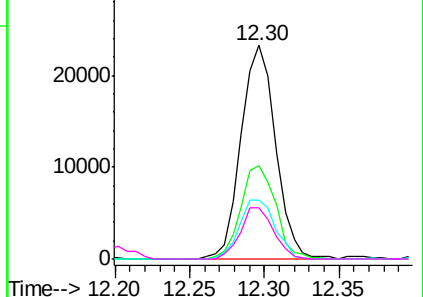
61 23.2 19.4 29.0

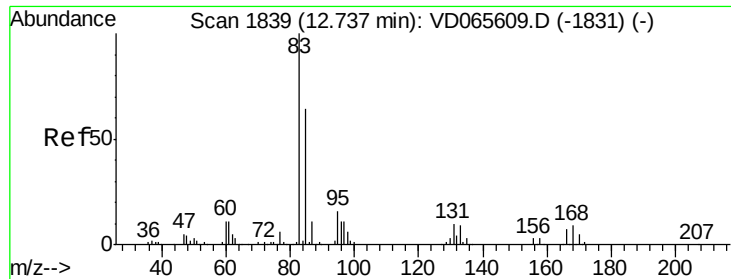
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 9.819 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065607.D

Acq: 09 Apr 2020 11:07

Instrument :

MSVOA\_D

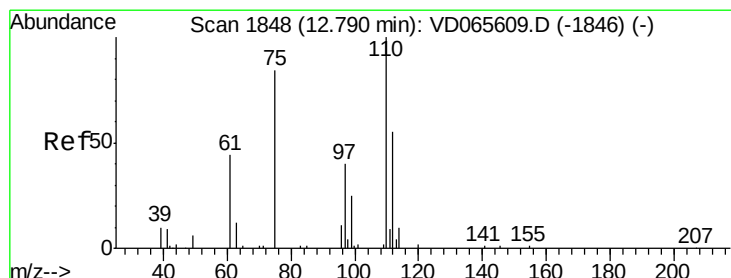
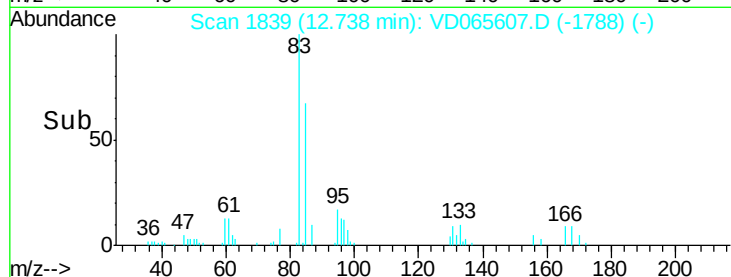
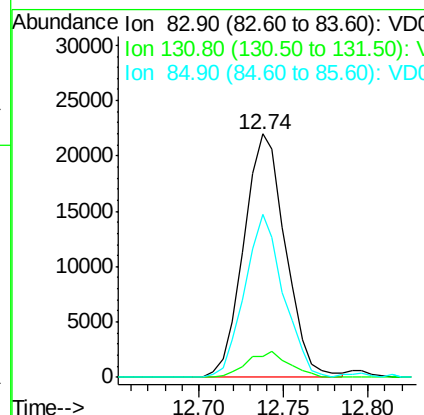
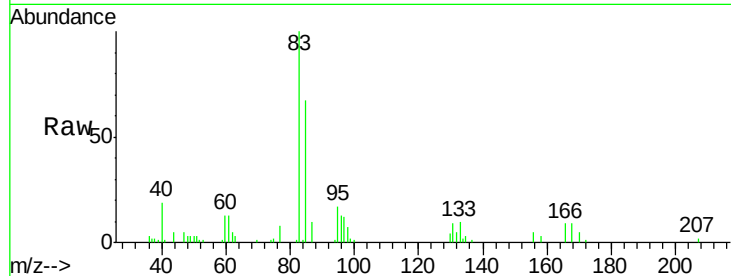
ClientSampleId :

VSTDIC010

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 37860 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 131      | 10.8  | 5.7   | 17.0  |
| 85       | 62.0  | 31.8  | 95.4  |

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#76

1,2,3-Trichloropropane

Concen: 6.685 ug/l m

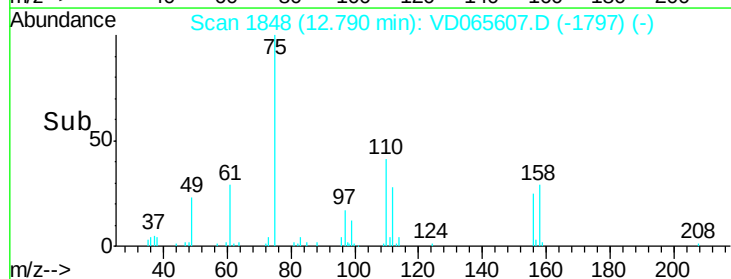
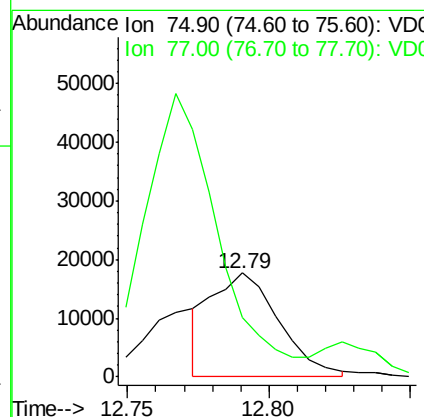
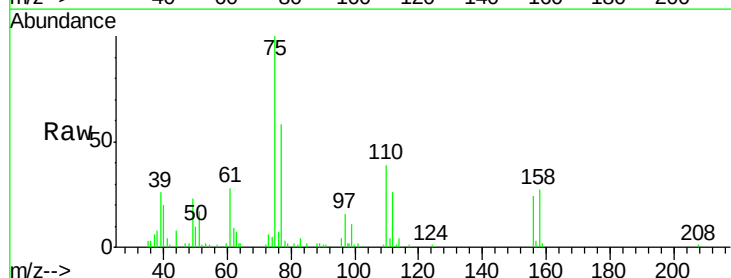
RT: 12.79 min Scan# 1848

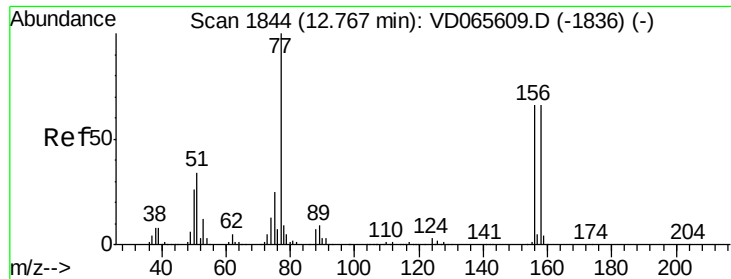
Delta R.T. 0.00 min

Lab File: VD065607.D

Acq: 09 Apr 2020 11:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 29567 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 9.167 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065607.D

Acq: 09 Apr 2020 11:07

Instrument :

MSVOA\_D

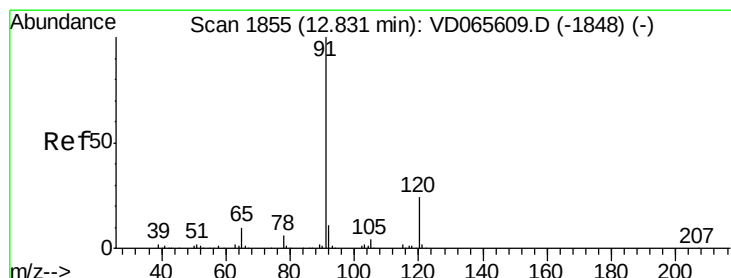
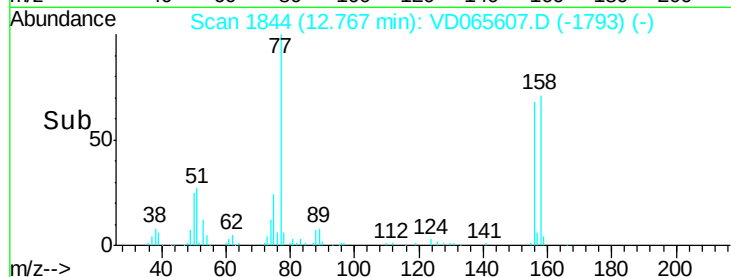
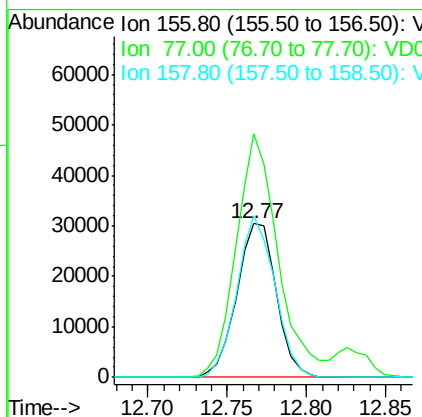
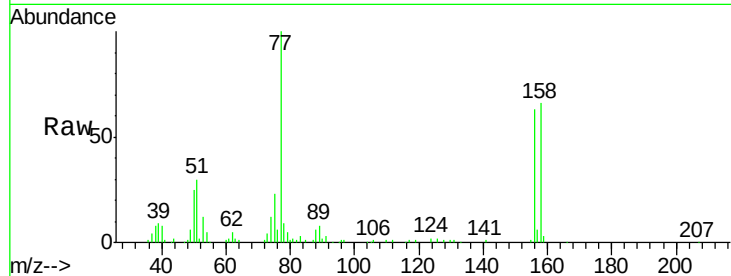
ClientSampleId :

VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 166.3 | 80.3  | 240.9 |
| 158     | 100.7 | 48.5  | 145.5 |

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#78

n-propylbenzene

Concen: 8.906 ug/l

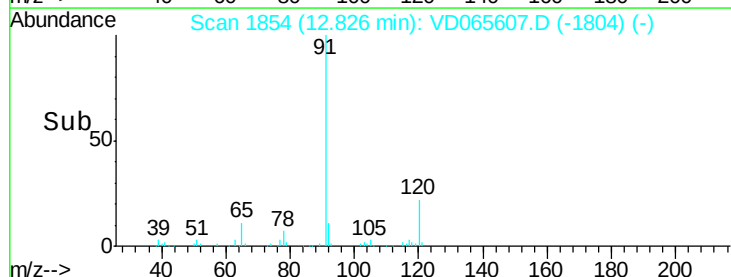
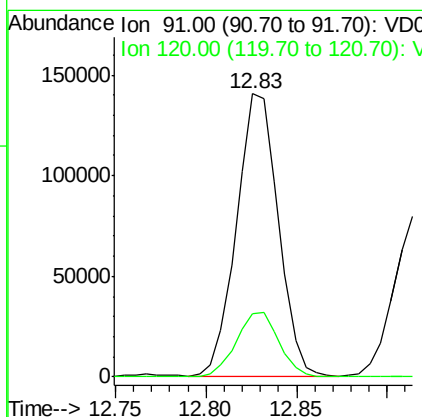
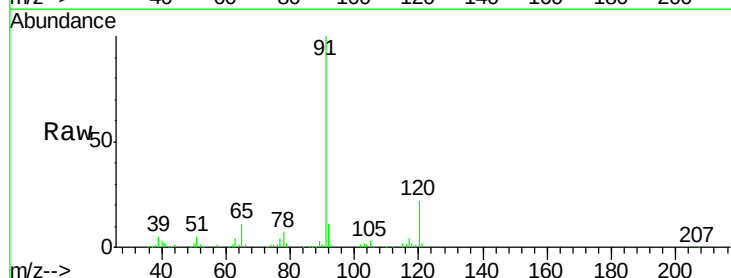
RT: 12.83 min Scan# 1854

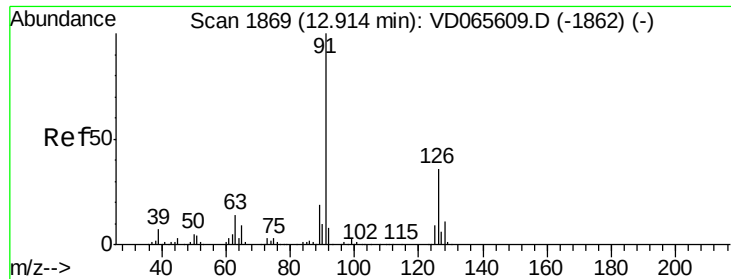
Delta R.T. -0.01 min

Lab File: VD065607.D

Acq: 09 Apr 2020 11:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 23.3  | 11.9  | 35.5  |





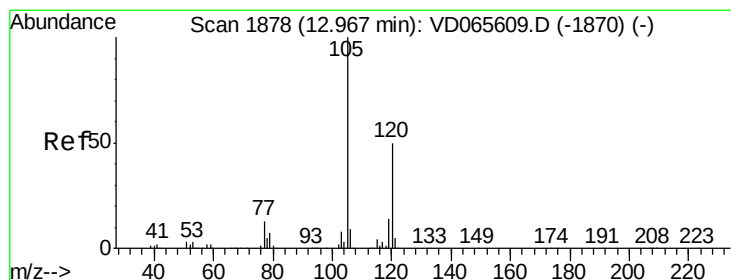
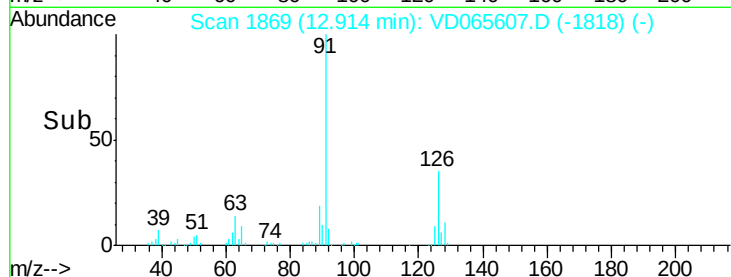
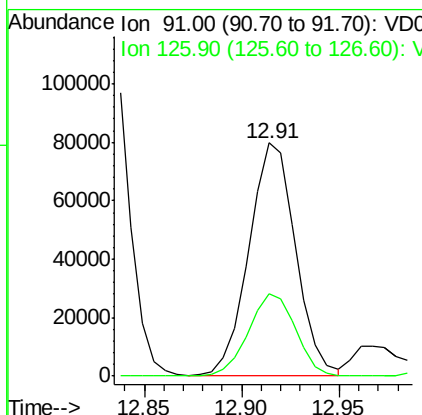
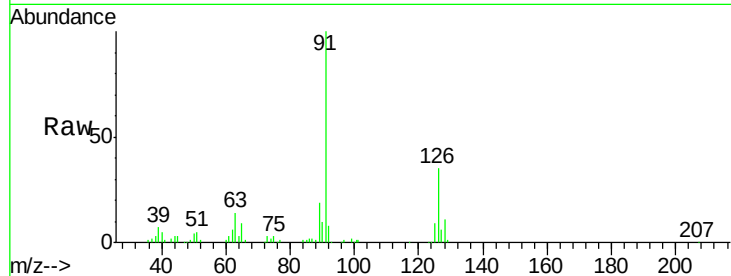
#79  
 2-Chlorotoluene  
 Concen: 9.121 ug/l  
 RT: 12.91 min Scan# 1869  
 Delta R.T. 0.00 min  
 Lab File: VD065607.D  
 Acq: 09 Apr 2020 11:07

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VSTDIC010

Tot Ion: 91 Resp: 132338  
 Ion Ratio Lower Upper  
 91 100  
 126 35.4 18.0 54.0

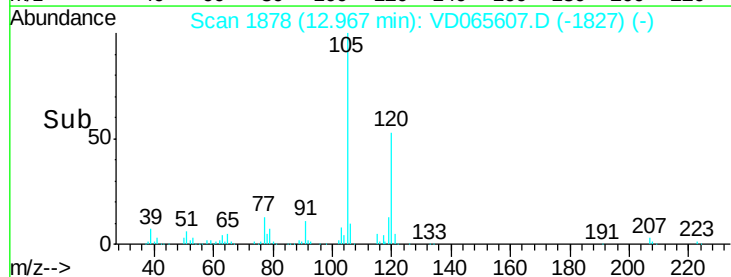
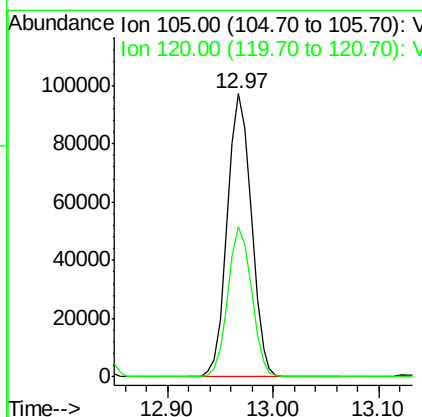
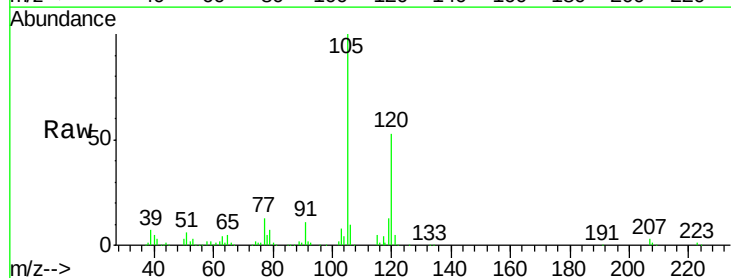
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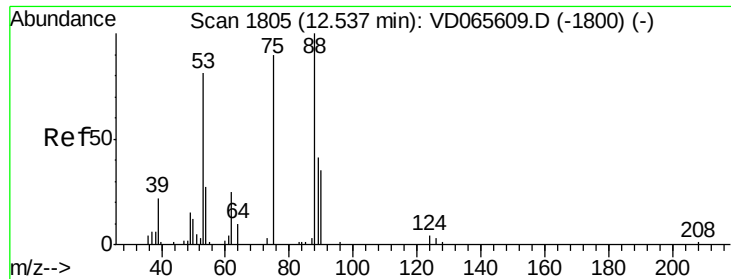
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#80  
 1,3,5-Trimethylbenzene  
 Concen: 8.670 ug/l  
 RT: 12.97 min Scan# 1878  
 Delta R.T. 0.00 min  
 Lab File: VD065607.D  
 Acq: 09 Apr 2020 11:07

Tgt Ion: 105 Resp: 153276  
 Ion Ratio Lower Upper  
 105 100  
 120 52.1 25.7 77.0





#81

trans-1,4-Dichloro-2-butene

Concen: 8.809 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065607.D

Acq: 09 Apr 2020 11:07

Instrument :

MSVOA\_D

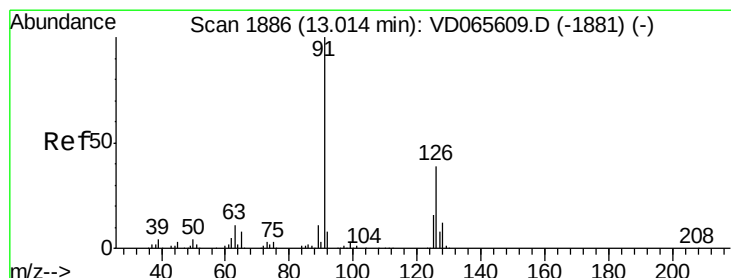
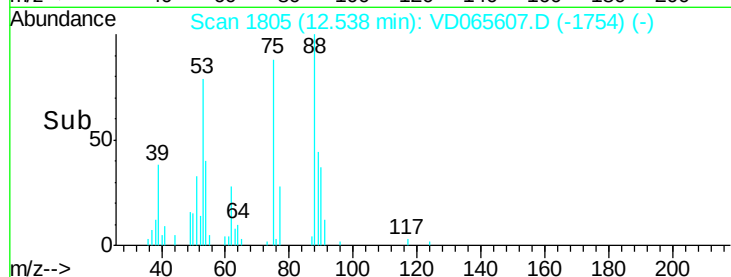
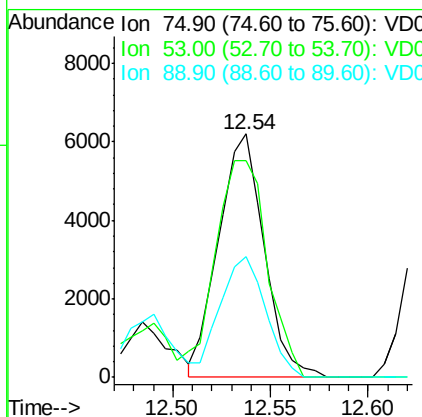
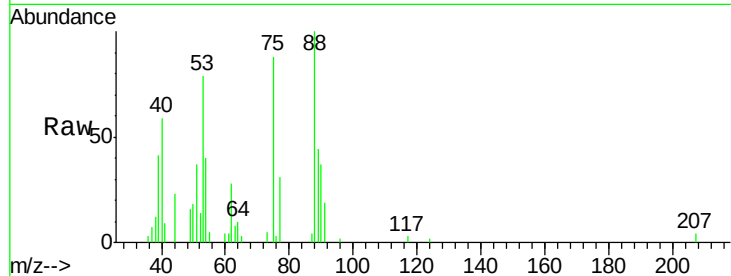
ClientSampleId :

VSTDIC010

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 10041 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 102.0 | 73.8  | 110.8 |
| 89       | 50.2  | 36.1  | 54.1  |

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#82

4-Chlorotoluene

Concen: 9.195 ug/l

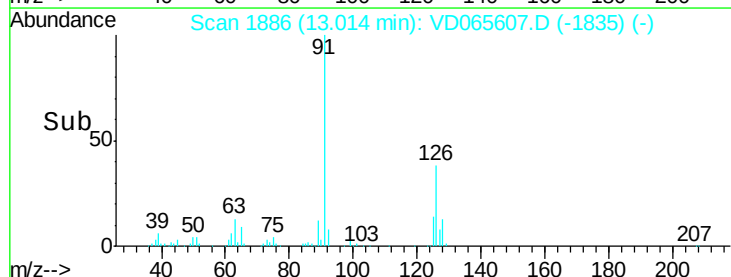
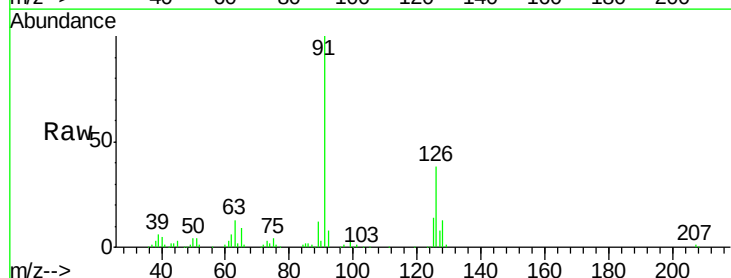
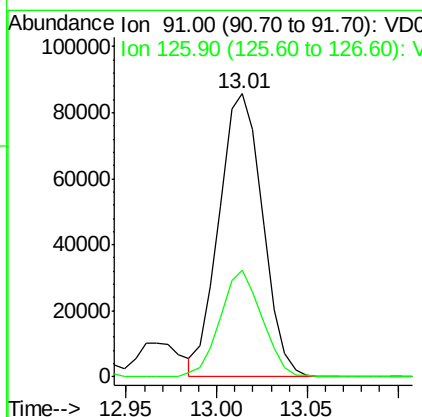
RT: 13.01 min Scan# 1886

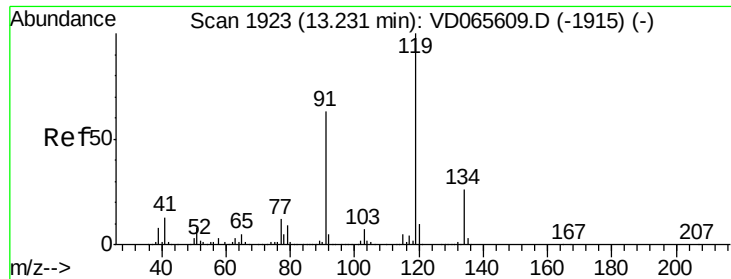
Delta R.T. 0.00 min

Lab File: VD065607.D

Acq: 09 Apr 2020 11:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 143591 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 36.3  | 18.1  | 54.4   |





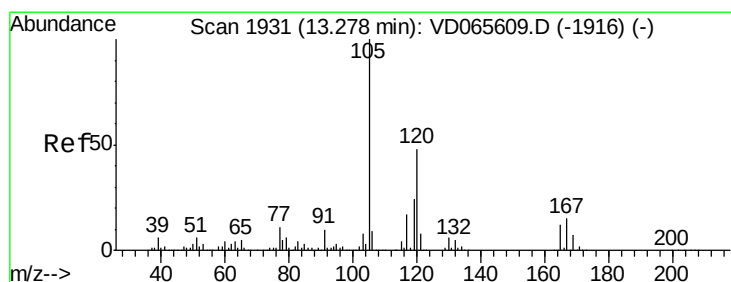
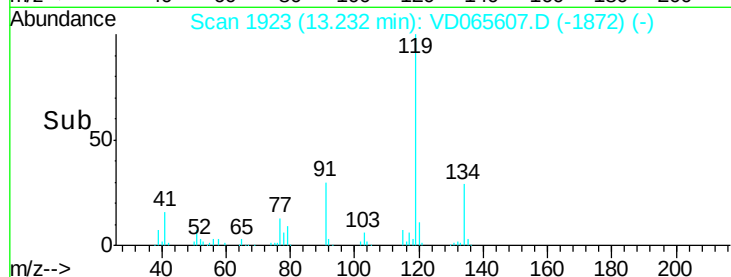
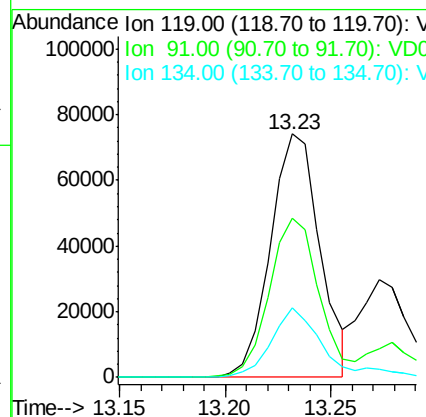
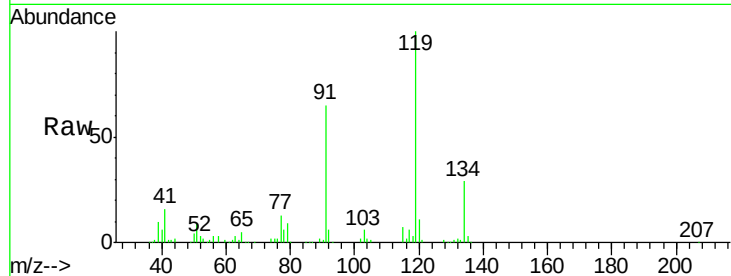
#83  
 tert-Butylbenzene  
 Concen: 8.189 ug/l  
 RT: 13.23 min Scan# 1923  
 Delta R.T. 0.00 min  
 Lab File: VD065607.D  
 Acq: 09 Apr 2020 11:07

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 66.0  | 30.4  | 91.2  |
| 134     | 30.2  | 13.7  | 41.0  |

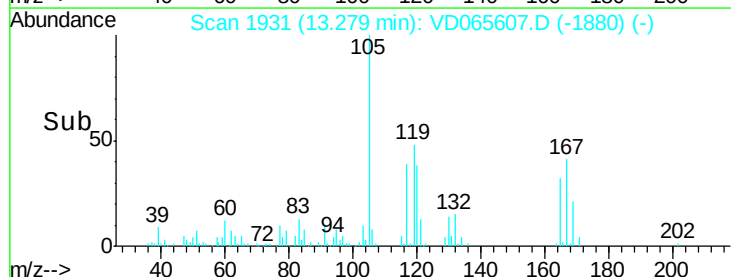
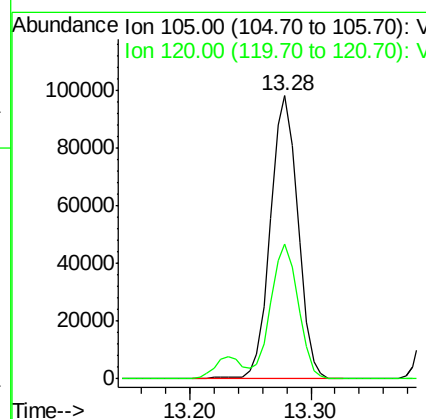
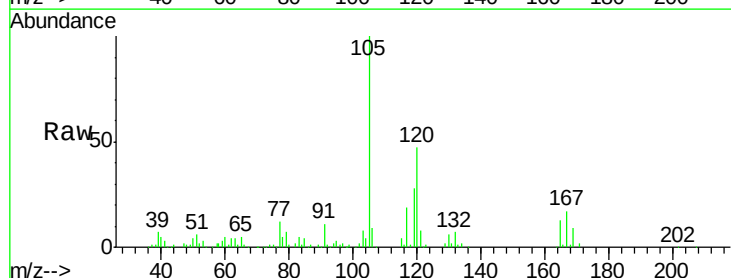
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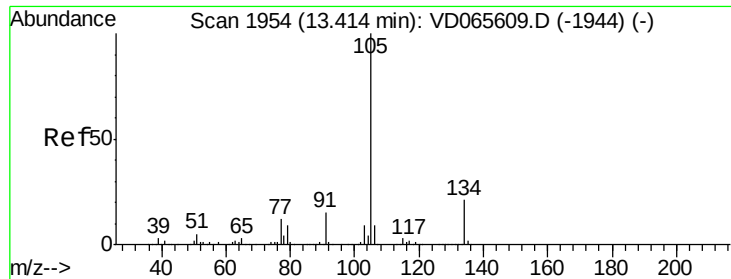
MMDadoda  
 4/10/2020 2:58:37 PM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 8.783 ug/l  
 RT: 13.28 min Scan# 1931  
 Delta R.T. 0.00 min  
 Lab File: VD065607.D  
 Acq: 09 Apr 2020 11:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 47.5  | 23.5  | 70.6  |





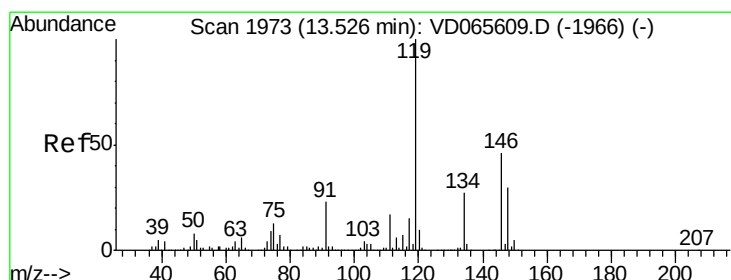
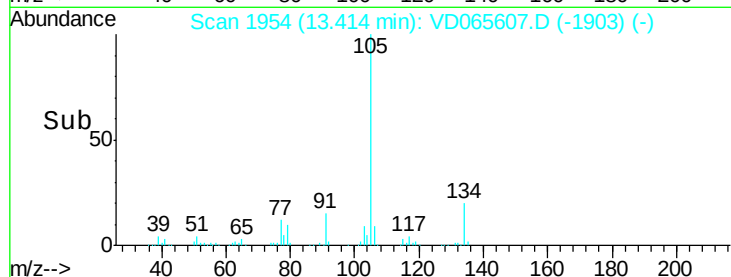
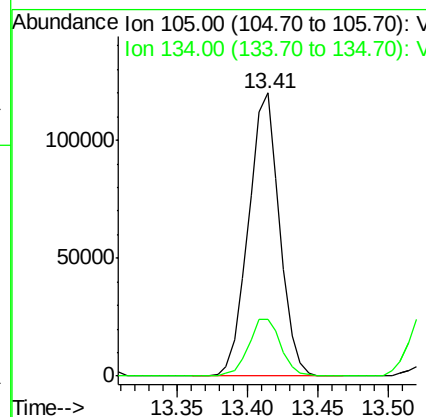
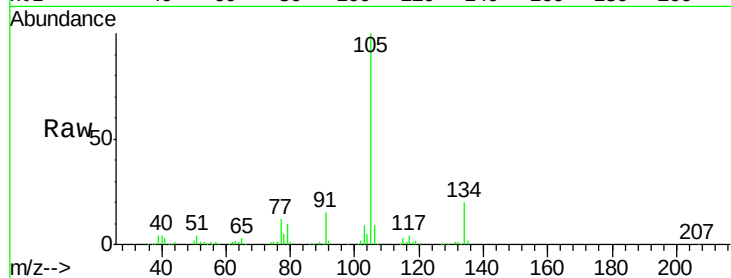
#85  
 sec-Butylbenzene  
 Concen: 8.814 ug/l  
 RT: 13.41 min Scan# 1954  
 Delta R.T. 0.00 min  
 Lab File: VD065607.D  
 Acq: 09 Apr 2020 11:07

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 20.9  | 10.7  | 31.9  |

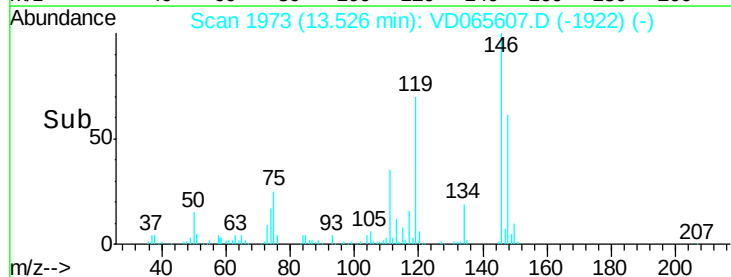
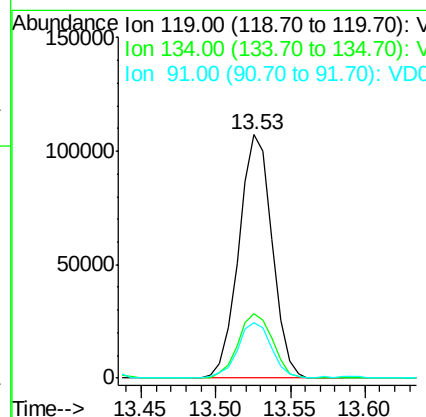
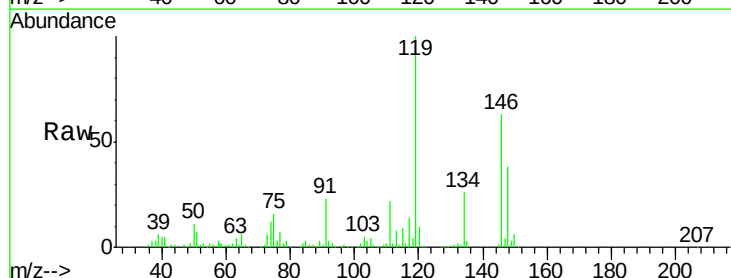
Manual Integrations  
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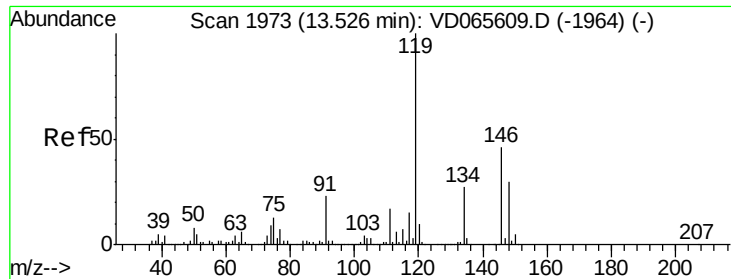
MMDadoda  
 4/10/2020 2:58:37 PM



#86  
 p-Isopropyltoluene  
 Concen: 8.592 ug/l  
 RT: 13.53 min Scan# 1973  
 Delta R.T. 0.00 min  
 Lab File: VD065607.D  
 Acq: 09 Apr 2020 11:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 27.3  | 13.5  | 40.4  |
| 91      | 23.1  | 11.1  | 33.1  |





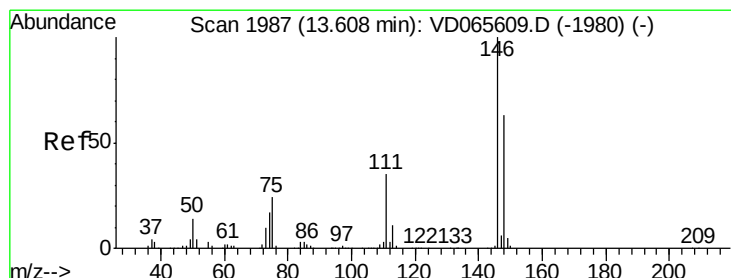
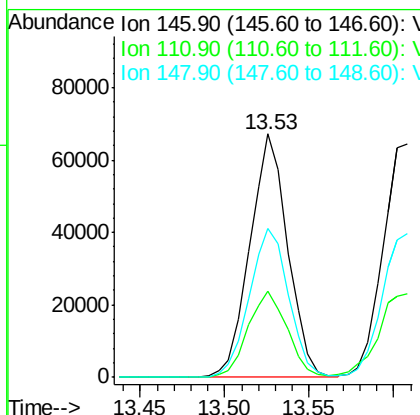
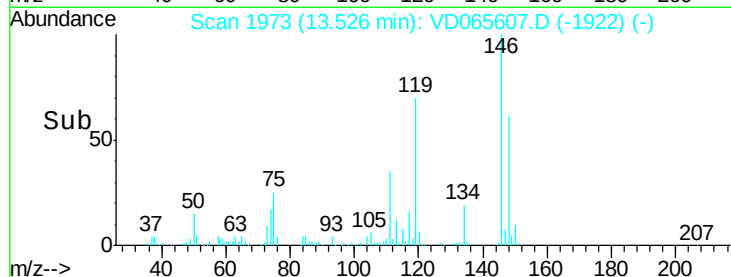
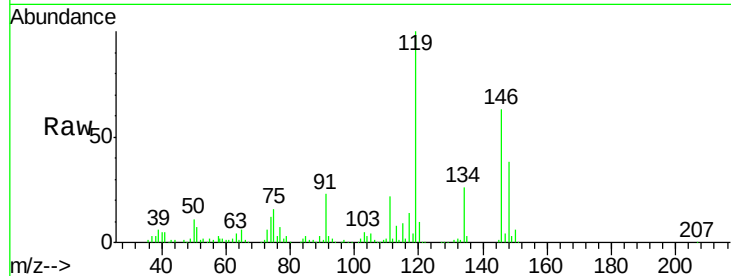
#87  
 1,3-Dichlorobenzene  
 Concen: 9.427 ug/l  
 RT: 13.53 min Scan# 1973  
 Delta R.T. 0.00 min  
 Lab File: VD065607.D  
 Acq: 09 Apr 2020 11:07

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.5  | 18.6  | 55.8  |
| 148     | 63.6  | 32.1  | 96.5  |

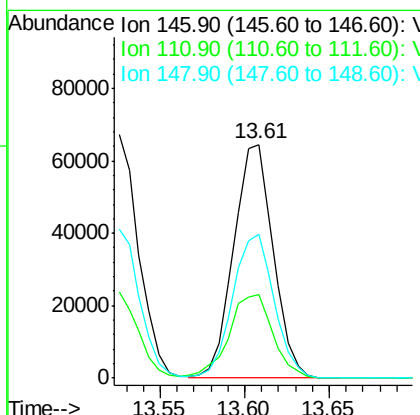
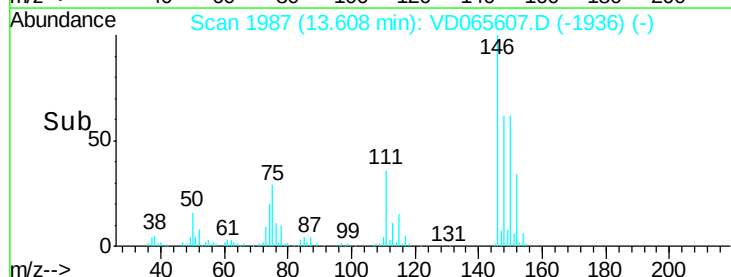
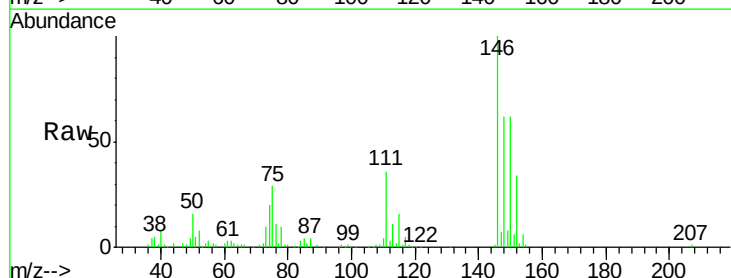
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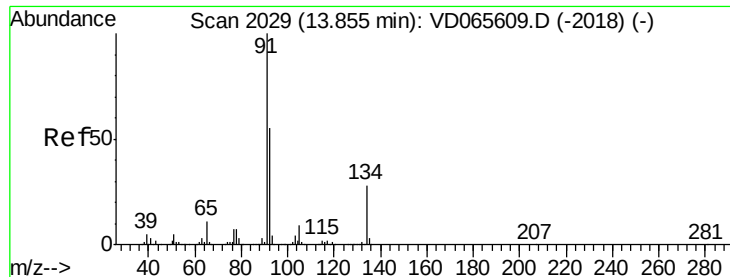


#88  
 1,4-Dichlorobenzene  
 Concen: 9.507 ug/l  
 RT: 13.61 min Scan# 1987  
 Delta R.T. 0.00 min  
 Lab File: VD065607.D  
 Acq: 09 Apr 2020 11:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.8  | 18.0  | 54.0  |
| 148     | 64.5  | 31.8  | 95.4  |







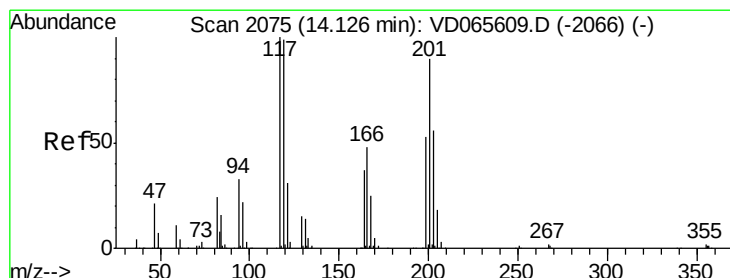
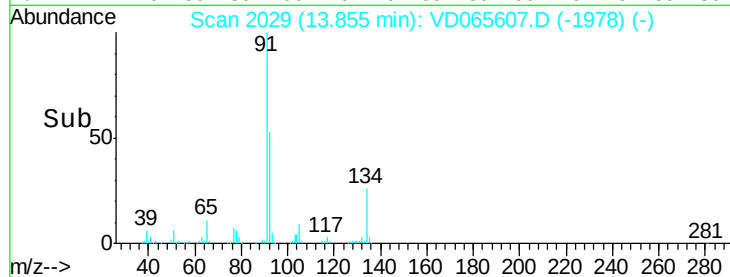
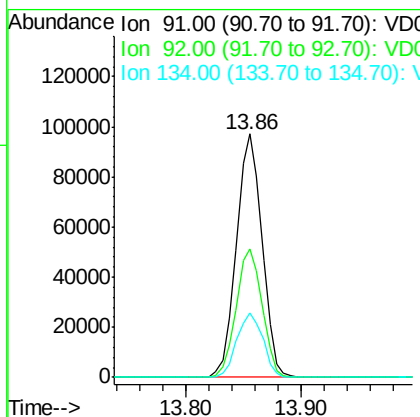
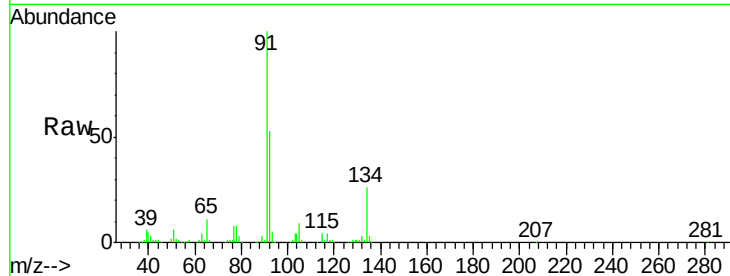
#89  
n-Butylbenzene  
Concen: 8.546 ug/l  
RT: 13.86 min Scan# 2029  
Delta R.T. 0.00 min  
Lab File: VD065607.D  
Acq: 09 Apr 2020 11:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.9  | 27.2  | 81.6  |
| 134     | 26.7  | 13.9  | 41.7  |

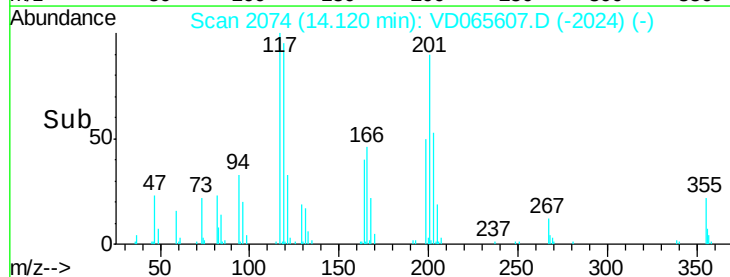
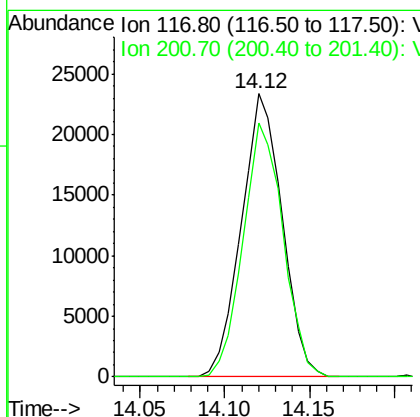
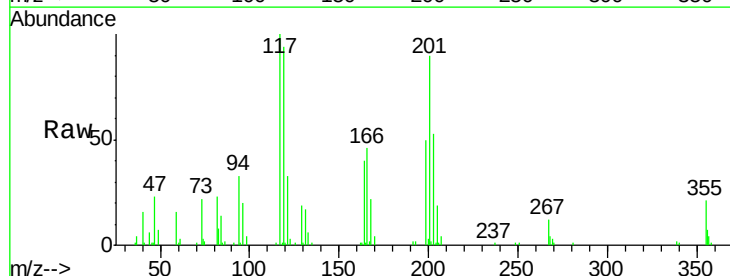
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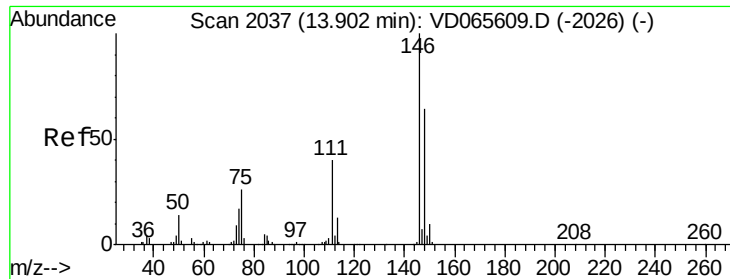
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#90  
Hexachloroethane  
Concen: 9.250 ug/l  
RT: 14.12 min Scan# 2074  
Delta R.T. -0.01 min  
Lab File: VD065607.D  
Acq: 09 Apr 2020 11:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 88.2  | 43.9  | 131.7 |





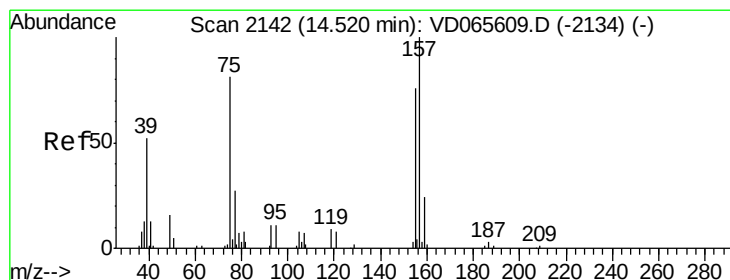
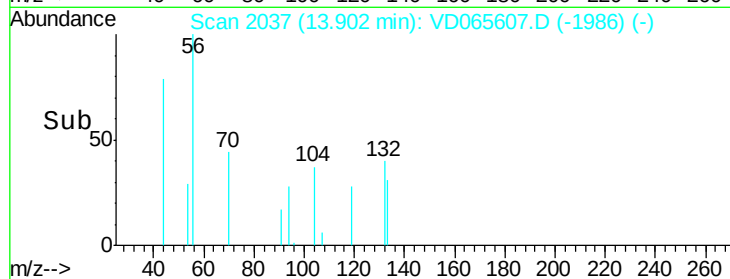
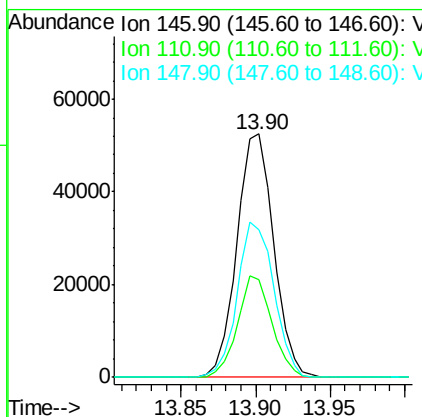
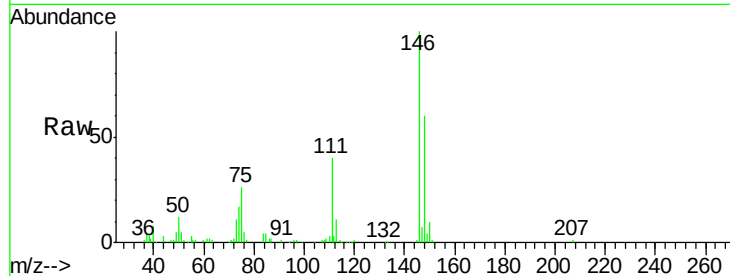
#91  
 1,2-Dichlorobenzene  
 Concen: 9.527 ug/l  
 RT: 13.90 min Scan# 2037  
 Delta R.T. 0.00 min  
 Lab File: VD065607.D  
 Acq: 09 Apr 2020 11:07

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.7  | 19.1  | 57.5  |
| 148     | 63.4  | 31.8  | 95.4  |

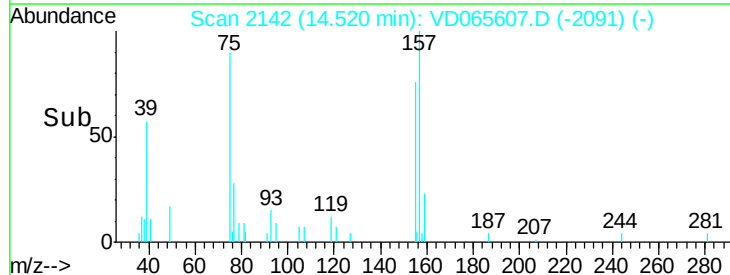
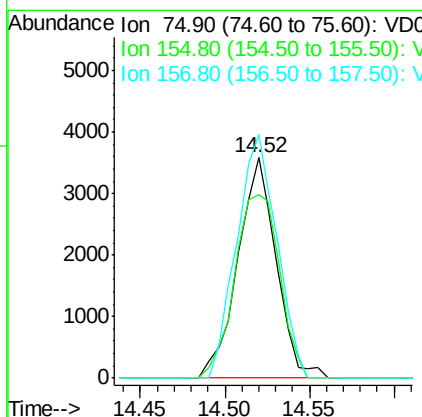
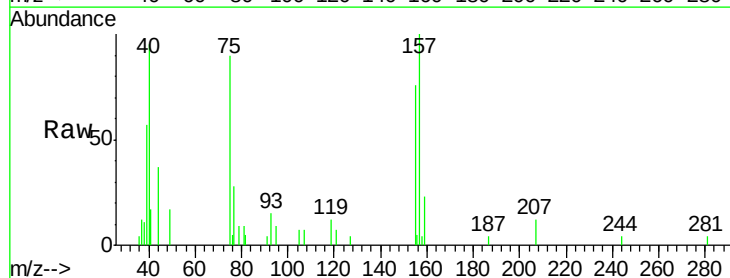
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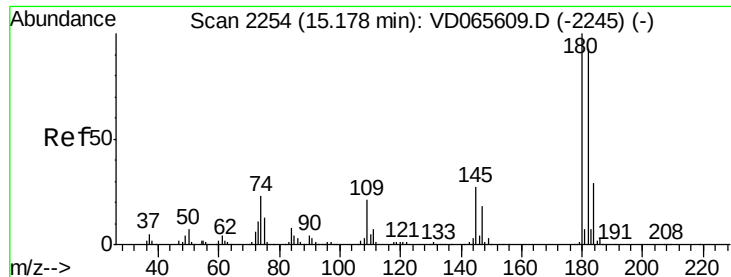
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 9.545 ug/l  
 RT: 14.52 min Scan# 2142  
 Delta R.T. 0.00 min  
 Lab File: VD065607.D  
 Acq: 09 Apr 2020 11:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 96.9  | 46.8  | 140.4 |
| 157     | 115.1 | 59.6  | 178.7 |





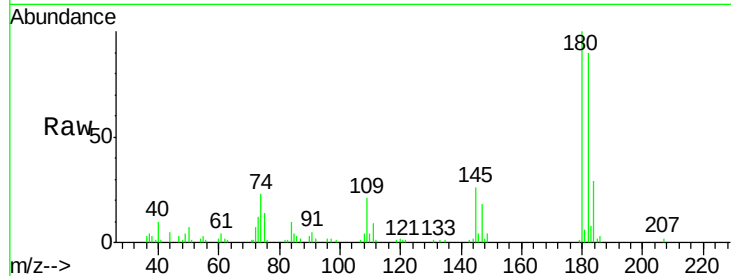
#93  
 1,2,4-Trichlorobenzene  
 Concen: 8.833 ug/l  
 RT: 15.18 min Scan# 2254  
 Delta R.T. 0.00 min  
 Lab File: VD065607.D  
 Acq: 09 Apr 2020 11:07

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC010

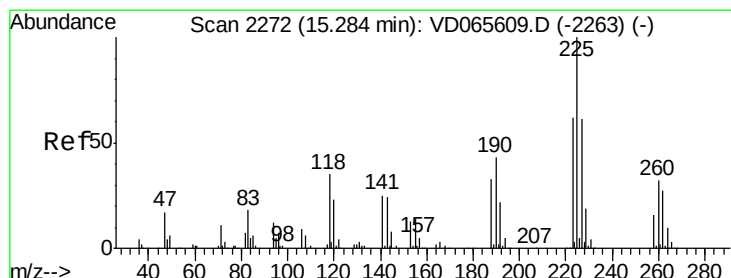
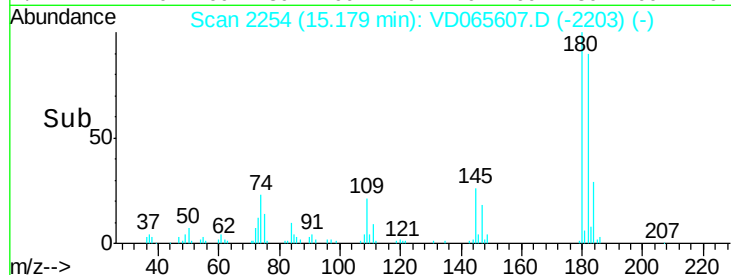
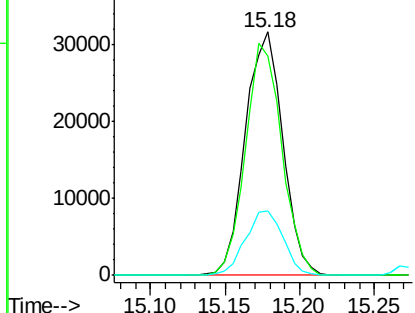
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 92.7  | 47.0  | 141.2 |
| 145     | 26.8  | 14.0  | 41.9  |

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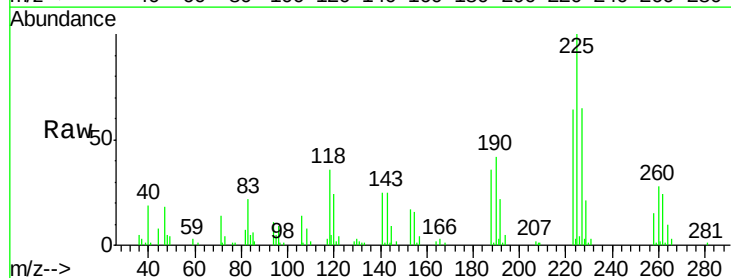


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

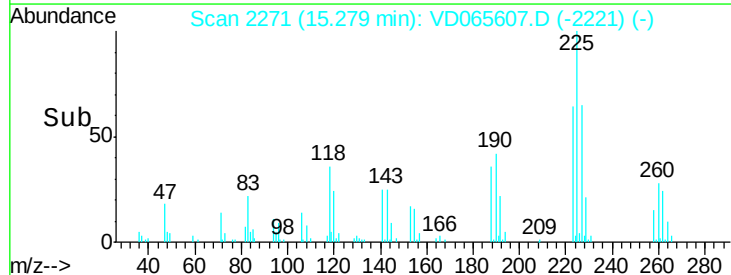
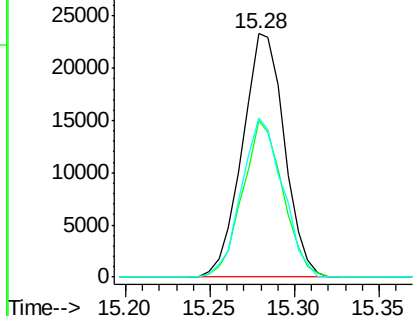


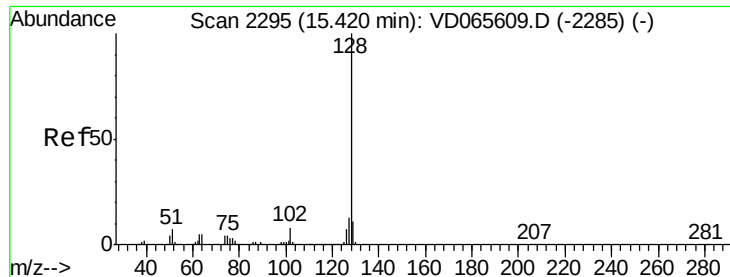
#94  
 Hexachlorobutadiene  
 Concen: 9.395 ug/l  
 RT: 15.28 min Scan# 2271  
 Delta R.T. -0.01 min  
 Lab File: VD065607.D  
 Acq: 09 Apr 2020 11:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 61.5  | 31.6  | 94.7  |
| 227     | 63.9  | 31.6  | 95.0  |



Abundance Ion 224.70 (224.40 to 225.40): V  
 Ion 222.70 (222.40 to 223.40): V  
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 7.893 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.01 min

Lab File: VD065607.D

Acq: 09 Apr 2020 11:07

Instrument :

MSVOA\_D

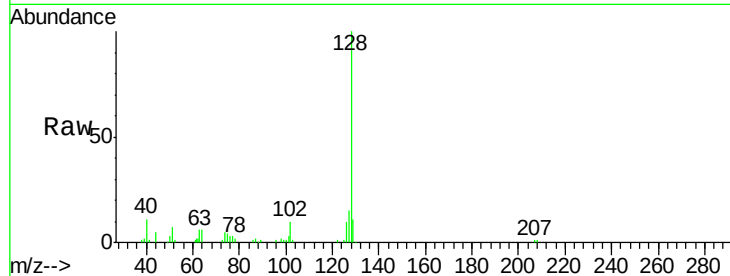
ClientSampleId :

VSTDIC010

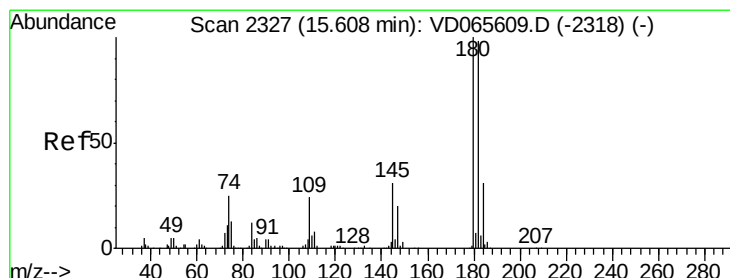
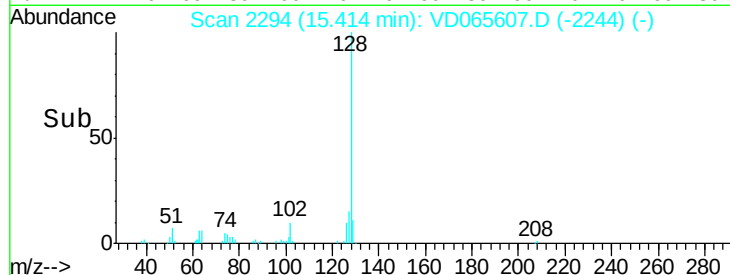
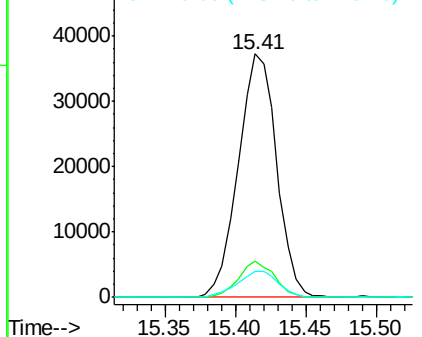
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 128   | Resp: | 70869 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 13.7  | 10.6  | 15.8  |
| 129       | 11.3  | 8.4   | 12.6  |

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Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 8.731 ug/l

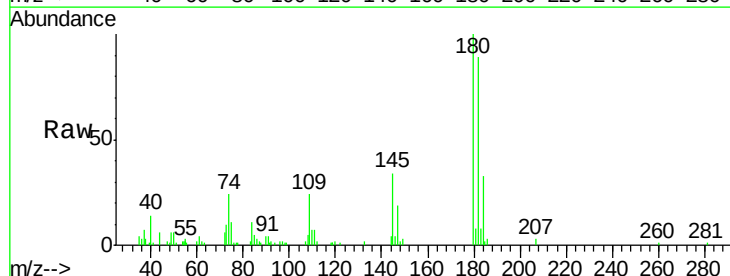
RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD065607.D

Acq: 09 Apr 2020 11:07

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 46835 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 94.9  | 47.7  | 143.1 |
| 145       | 31.5  | 15.2  | 45.6  |



Abundance Ion 179.80 (179.50 to 180.50): V  
Ion 181.80 (181.50 to 182.50): V  
Ion 144.90 (144.60 to 145.60): V

