

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110819\  
 Data File : VD064158.D  
 Acq On : 08 Nov 2019 15:30  
 Operator : VA/SY  
 Sample : VSTDICC100  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDICC100

Manual Integrations  
 APPROVED

MMDadoda  
 11/13/2019 11:14:47 AM

Quant Time: Nov 08 15:51:16 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D110819S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 08 15:32:18 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 938247   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 1323038  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 1139291  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 572126   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |        |         |      |
|---------------------------|--------|-----|----------|--------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.34   | 65  | 790330   | 103.96 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 207.92% |      |
| 35) Dibromofluoromethane  | 7.92   | 113 | 781358   | 96.39  | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 192.78% |      |
| 50) Toluene-d8            | 10.34  | 98  | 2998296  | 92.97  | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 185.94% |      |
| 62) 4-Bromofluorobenzene  | 12.64  | 95  | 1012342  | 94.72  | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 189.44% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.99 | 85  | 765736  | 82.010  | ug/l | 100    |
| 3) Chloromethane              | 2.21 | 50  | 774932  | 52.395  | ug/l | 100    |
| 4) Vinyl Chloride             | 2.36 | 62  | 874914  | 54.768  | ug/l | 98     |
| 5) Bromomethane               | 2.76 | 94  | 548359  | 53.072  | ug/l | 96     |
| 6) Chloroethane               | 2.93 | 64  | 553971  | 55.600  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 3.27 | 101 | 1423653 | 63.699  | ug/l | 98     |
| 8) Diethyl Ether              | 3.71 | 74  | 380195  | 91.159  | ug/l | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.09 | 101 | 795403  | 92.774  | ug/l | 99     |
| 10) Methyl Iodide             | 4.30 | 142 | 976525  | 93.793  | ug/l | 100    |
| 11) Tert butyl alcohol        | 5.26 | 59  | 264257  | 624.739 | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 4.06 | 96  | 759888  | 92.995  | ug/l | 96     |
| 13) Acrolein                  | 3.93 | 56  | 247722  | 509.909 | ug/l | 99     |
| 14) Allyl chloride            | 4.71 | 41  | 1340101 | 129.270 | ug/l | 99     |
| 15) Acrylonitrile             | 5.44 | 53  | 825057  | 528.264 | ug/l | 99     |
| 16) Acetone                   | 4.17 | 43  | 928962  | 627.693 | ug/l | 99     |
| 17) Carbon Disulfide          | 4.40 | 76  | 2417979 | 96.215  | ug/l | 100    |
| 18) Methyl Acetate            | 4.73 | 43  | 479843  | 119.764 | ug/l | 100    |
| 19) Methyl tert-butyl Ether   | 5.48 | 73  | 1844081 | 108.231 | ug/l | 96     |
| 20) Methylene Chloride        | 4.97 | 84  | 797113  | 78.949  | ug/l | 98     |
| 21) trans-1,2-Dichloroethene  | 5.47 | 96  | 859199  | 93.847  | ug/l | 99     |
| 22) Diisopropyl ether         | 6.37 | 45  | 2513626 | 114.190 | ug/l | 96     |
| 23) Vinyl Acetate             | 6.31 | 43  | 7245200 | 598.309 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 6.27 | 63  | 1445591 | 99.805  | ug/l | 100    |
| 25) 2-Butanone                | 7.23 | 43  | 1160027 | 570.999 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 7.21 | 77  | 1398694 | 101.289 | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 7.21 | 96  | 937869  | 92.240  | ug/l | 97     |
| 28) Bromochloromethane        | 7.55 | 49  | 570875  | 109.599 | ug/l | 99     |
| 29) Tetrahydrofuran           | 7.57 | 42  | 693581  | 580.319 | ug/l | 99     |
| 30) Chloroform                | 7.71 | 83  | 1477031 | 90.622  | ug/l | 100    |
| 31) Cyclohexane               | 7.98 | 56  | 1397068 | 98.531  | ug/l | 98     |
| 32) 1,1,1-Trichloroethane     | 7.91 | 97  | 1423419 | 93.643  | ug/l | 100    |
| 36) 1,1-Dichloropropene       | 8.11 | 75  | 1200804 | 96.277  | ug/l | 99     |
| 37) Ethyl Acetate             | 7.30 | 43  | 500242  | 124.209 | ug/l | 99     |
| 38) Carbon Tetrachloride      | 8.10 | 117 | 1308812 | 96.993  | ug/l | 99     |

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 MSVOA\_D  
 ClientSampleID :  
 VSTDICC100

Manual Integrations  
 APPROVED

MMDadoda  
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Quant Time: Nov 08 15:51:16 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D110819S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 08 15:32:18 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.36  | 83   | 1527585  | 100.799  | ug/l   | 99       |
| 40) Benzene                    | 8.36  | 78   | 3274199  | 96.742   | ug/l   | 97       |
| 41) Methacrylonitrile          | 7.53  | 41   | 284903   | 118.114  | ug/l   | 92       |
| 42) 1,2-Dichloroethane         | 8.43  | 62   | 979872   | 107.812  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.46  | 43   | 1042165  | 126.674  | ug/l   | 100      |
| 44) Trichloroethene            | 9.11  | 130  | 975659   | 95.559   | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 9.39  | 63   | 791255   | 99.831   | ug/l   | 96       |
| 46) Dibromomethane             | 9.48  | 93   | 424655   | 91.263   | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.67  | 83   | 1141241  | 96.356   | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.46  | 41   | 490167   | 128.385  | ug/l   | 100      |
| 49) 1,4-Dioxane                | 9.47  | 88   | 101243   | 1927.015 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone       | 10.23 | 43   | 2490743  | 576.216  | ug/l   | 100      |
| 52) Toluene                    | 10.41 | 92   | 2171090  | 92.895   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.63 | 75   | 1161209  | 104.229  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 10.09 | 75   | 1349663  | 102.647  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.80 | 97   | 582419   | 89.077   | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.66 | 69   | 808397   | 109.709  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.95 | 76   | 1015017  | 93.053   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.94  | 63   | 1636346  | 543.797  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.99 | 43   | 1793910  | 585.765  | ug/l   | 99       |
| 60) Dibromochloromethane       | 11.14 | 129  | 812197   | 91.301   | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.25 | 107  | 585771   | 89.857   | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.88 | 164  | 856156   | 102.707  | ug/l   | 99       |
| 65) Chlorobenzene              | 11.67 | 112  | 2259702  | 96.020   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.74 | 131  | 870398   | 98.468   | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.75 | 91   | 4090873  | 97.445   | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.85 | 106  | 3201405  | 191.298  | ug/l   | 97       |
| 69) o-Xylene                   | 12.18 | 106  | 1467107  | 95.908   | ug/l   | 100      |
| 70) Styrene                    | 12.20 | 104  | 2555846  | 97.102   | ug/l   | 99       |
| 71) Bromoform                  | 12.37 | 173  | 498780   | 104.418  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.48 | 105  | 4020866  | 99.333   | ug/l   | 100      |
| 74) N-amyl acetate             | 12.29 | 43   | 942106   | 131.382  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.73 | 83   | 605161   | 95.373   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.78 | 75   | 460970m  | 116.230  | ug/l   |          |
| 77) Bromobenzene               | 12.77 | 156  | 975752   | 99.482   | ug/l   | 99       |
| 78) n-propylbenzene            | 12.83 | 91   | 4572963  | 96.779   | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 12.91 | 91   | 2566237  | 100.270  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.96 | 105  | 3317731  | 98.567   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.53 | 75   | 228166   | 116.090  | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 13.01 | 91   | 2705568  | 99.688   | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.23 | 119  | 2855147  | 94.686   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.27 | 105  | 3283931  | 97.359   | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.40 | 105  | 3935870  | 95.680   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.52 | 119  | 3766009  | 97.518   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.52 | 146  | 1844203  | 95.735   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.60 | 146  | 1781854  | 93.320   | ug/l   | 100      |
| 89) n-Butylbenzene             | 13.85 | 91   | 3391166  | 95.408   | ug/l   | 100      |
| 90) Hexachloroethane           | 14.11 | 117  | 689150   | 94.859   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.89 | 146  | 1566409  | 94.417   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.51 | 75   | 106977   | 111.629  | ug/l   | 99       |

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

Instrument :  
MSVOA\_D  
ClientSampleId :  
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Manual Integrations  
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Quant Title : SW846 8260  
QLast Update : Fri Nov 08 15:32:18 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|----------------------------|-------|------|----------|---------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.17 | 180  | 1200861  | 99.611  | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.27 | 225  | 767962   | 107.145 | ug/l  | 98       |
| 95) Naphthalene            | 15.41 | 128  | 1963262  | 100.212 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.60 | 180  | 1021199  | 97.580  | ug/l  | 99       |

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

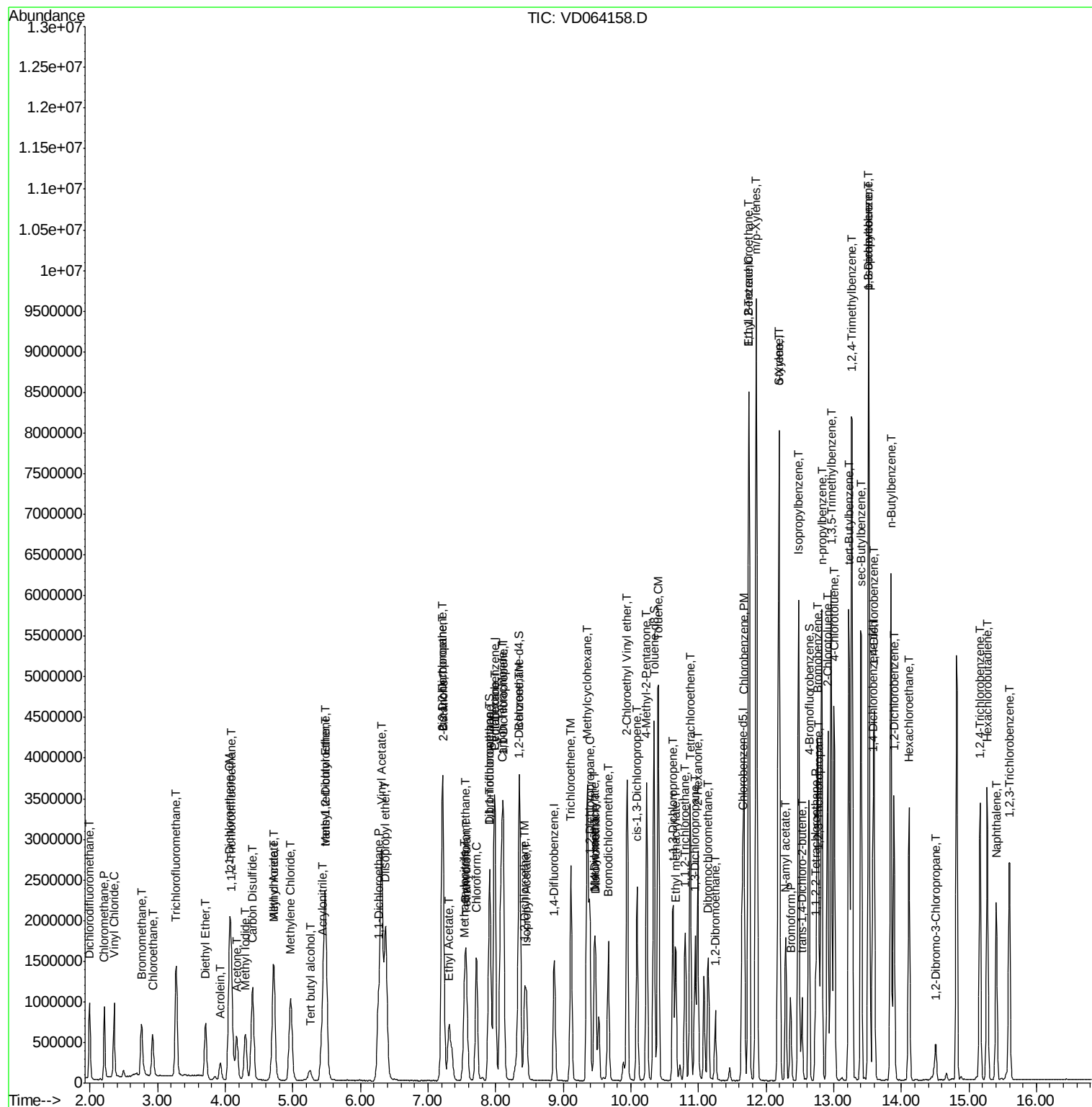
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Data File : VD064158.D  
Acq On : 08 Nov 2019 15:30  
Operator : VA/SY  
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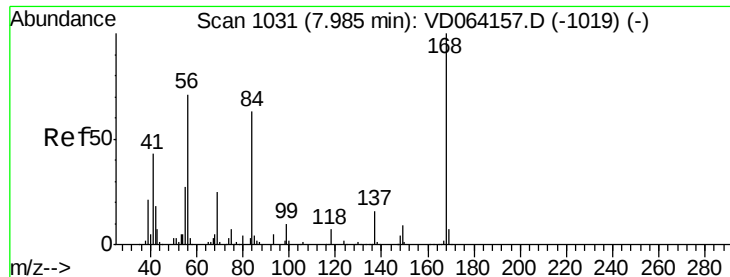
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC100

Manual Integrations  
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 938247

Ion Ratio Lower Upper

168 100

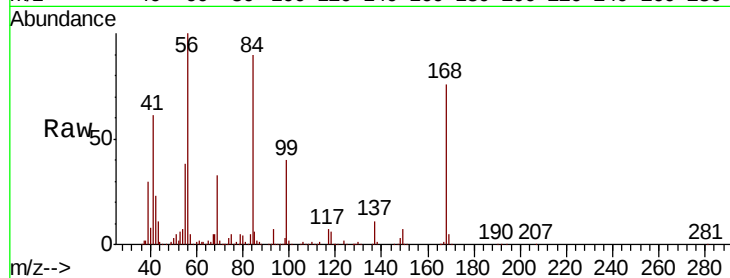
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Manual Integrations

APPROVED

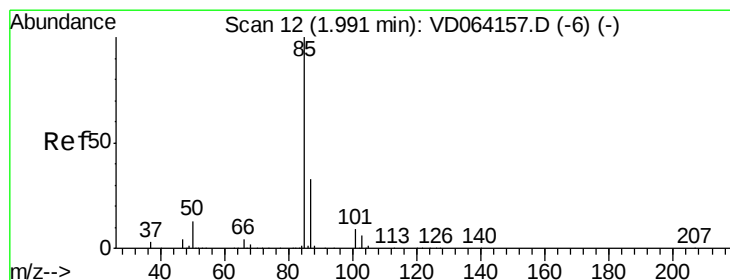
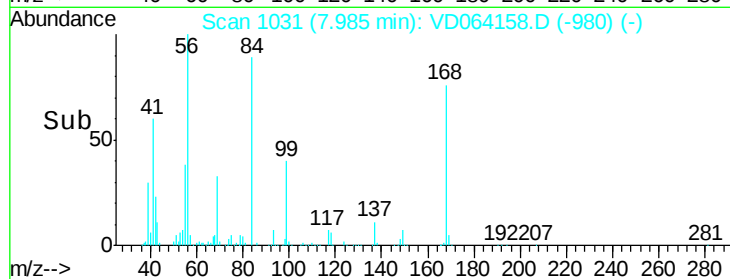
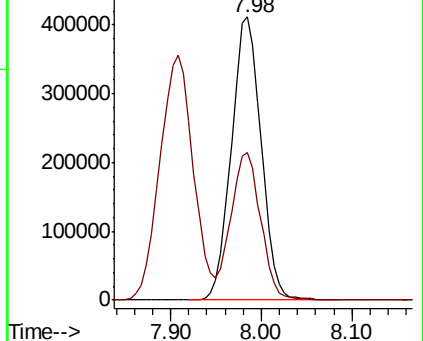
MMDadoda

11/13/2019 11:14:47 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 82.010 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064158.D

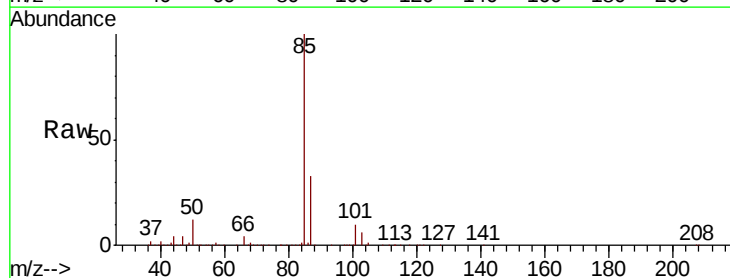
Acq: 08 Nov 2019 15:30

Tgt Ion: 85 Resp: 765736

Ion Ratio Lower Upper

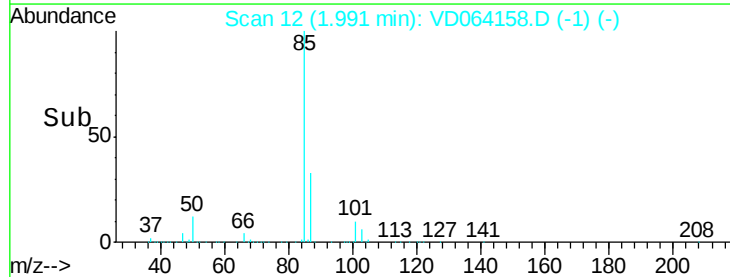
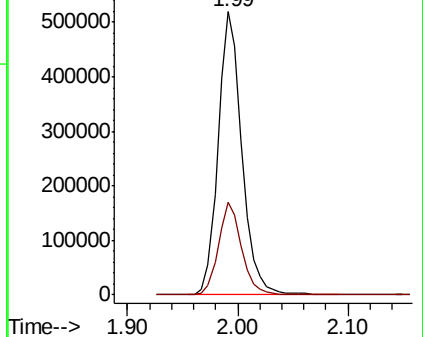
85 100

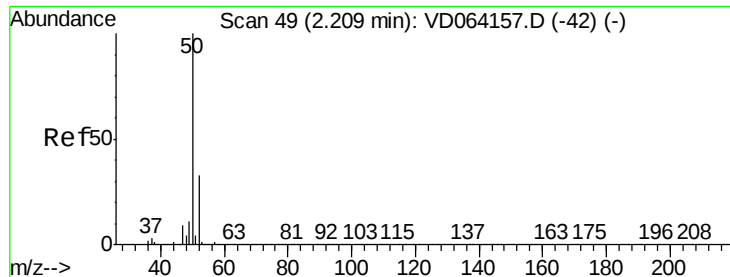
87 32.6 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 52.395 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 774932

Ion Ratio Lower Upper

50 100

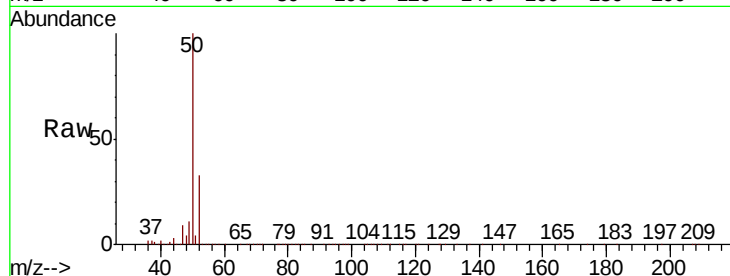
52 32.7 26.2 39.4

Manual Integrations

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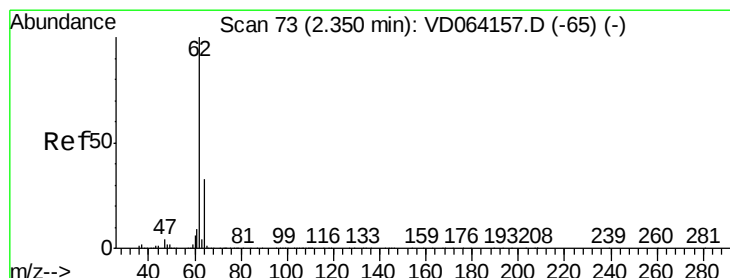
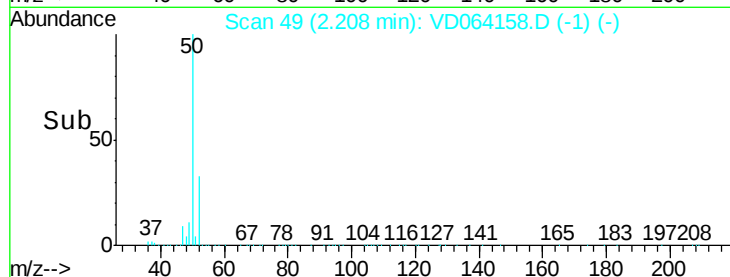
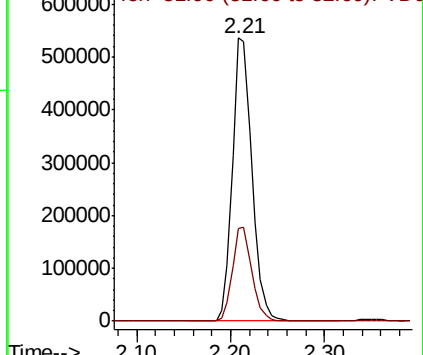
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 54.768 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD064158.D

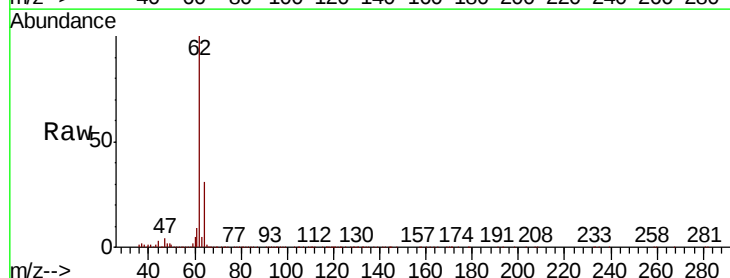
Acq: 08 Nov 2019 15:30

Tgt Ion: 62 Resp: 874914

Ion Ratio Lower Upper

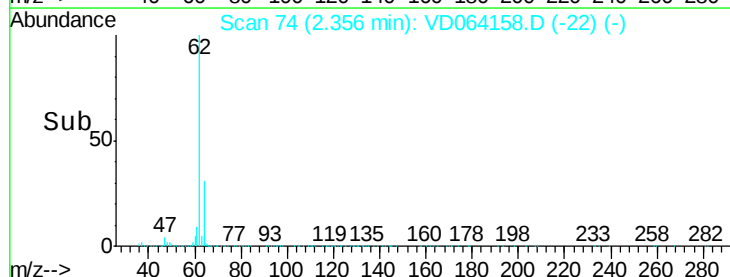
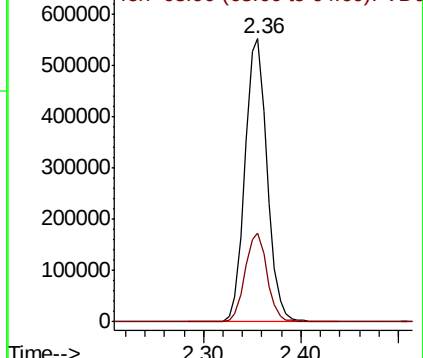
62 100

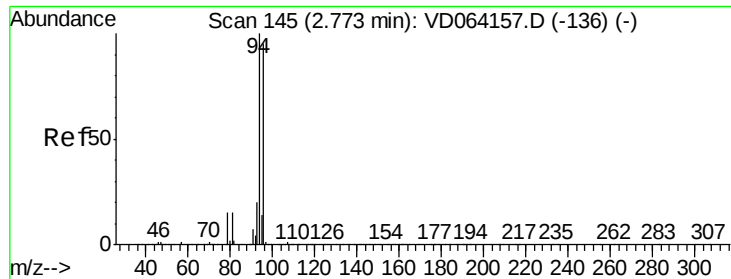
64 31.4 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 53.072 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 548359

Ion Ratio Lower Upper

94 100

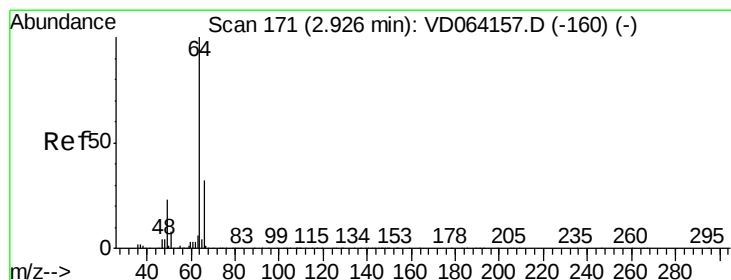
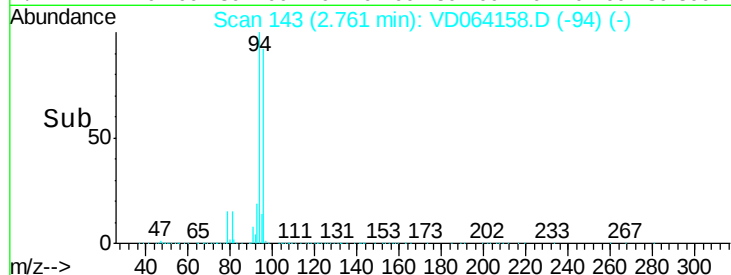
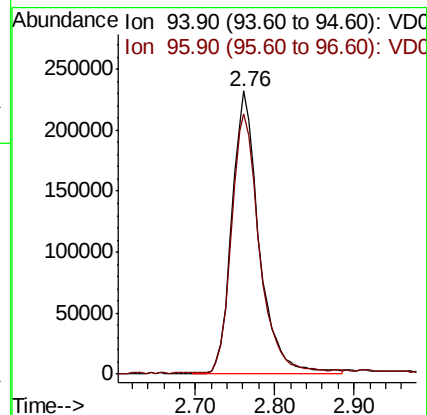
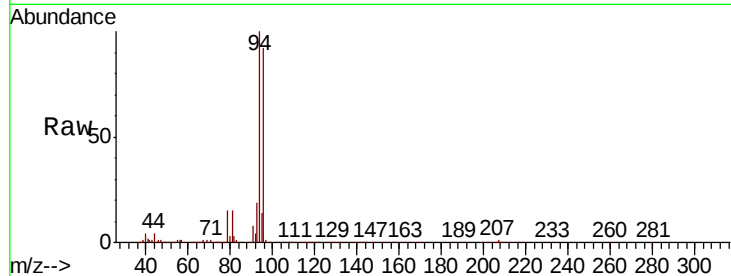
96 91.9 76.2 114.4

Manual Integrations

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11/13/2019 11:14:47 AM



#6

Chloroethane

Concen: 55.600 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD064158.D

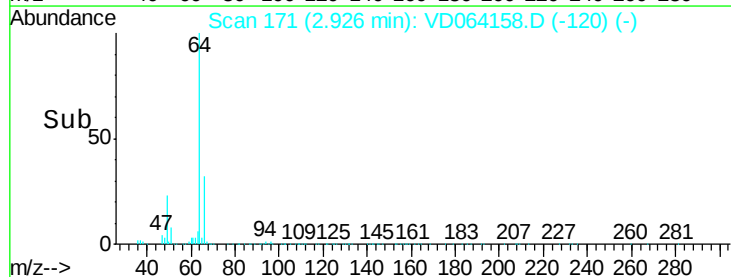
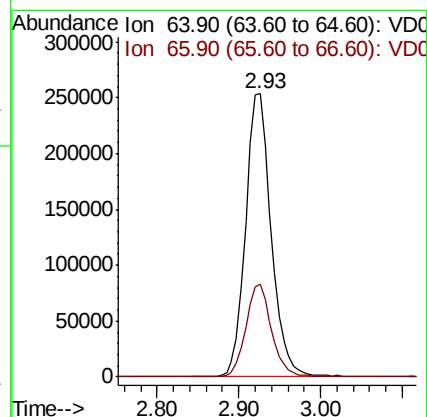
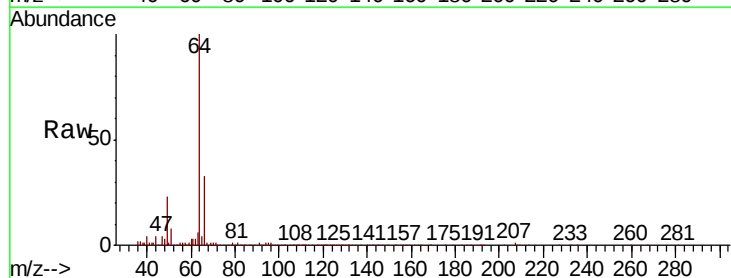
Acq: 08 Nov 2019 15:30

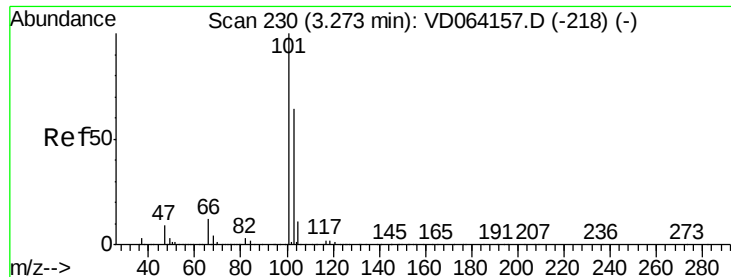
Tgt Ion: 64 Resp: 553971

Ion Ratio Lower Upper

64 100

66 32.4 25.5 38.3





#7

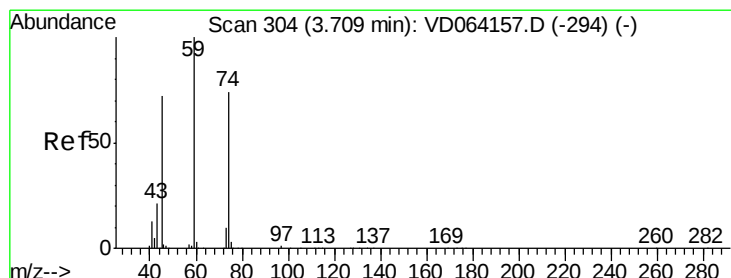
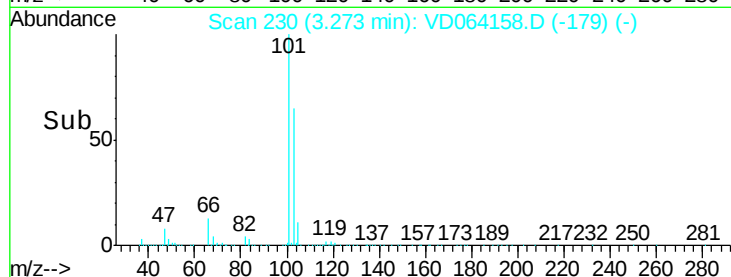
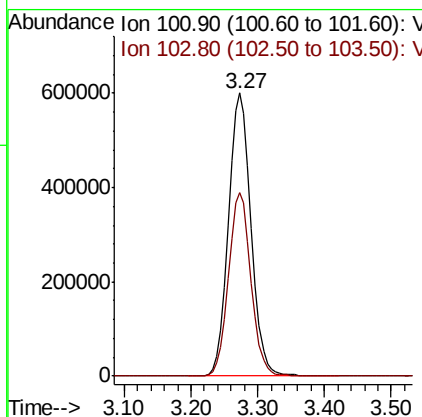
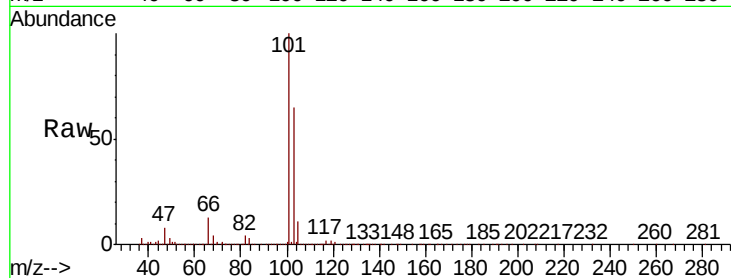
Trichlorofluoromethane  
Concen: 63.699 ug/l  
RT: 3.27 min Scan# 230  
Delta R.T. -0.00 min  
Lab File: VD064158.D  
Acq: 08 Nov 2019 15:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC100

Tot Ion:101 Resp: 1423653  
Ion Ratio Lower Upper  
101 100  
103 65.0 50.8 76.2

Manual Integrations  
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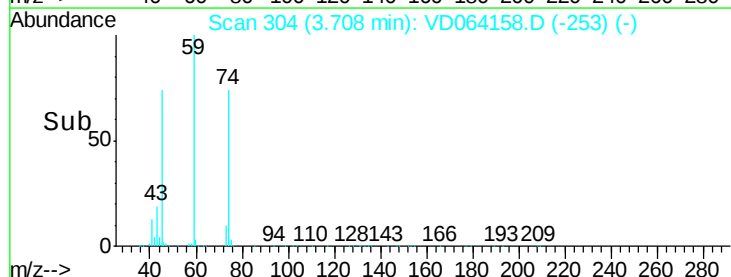
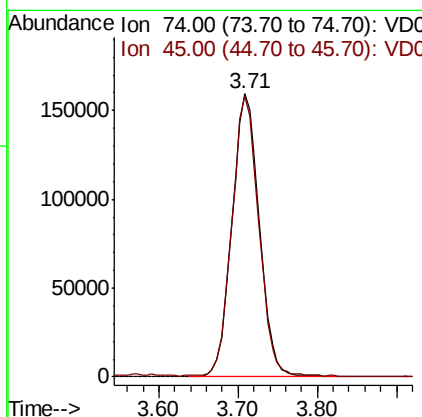
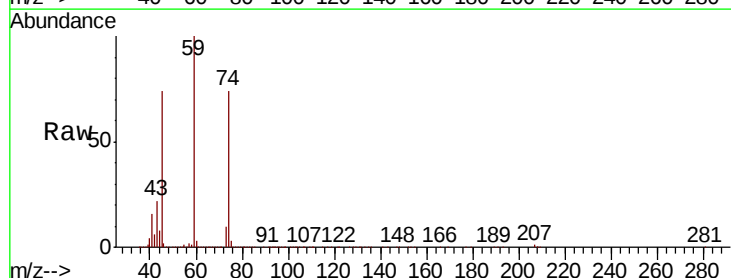
MMDadoda  
11/13/2019 11:14:47 AM



#8

Diethyl Ether  
Concen: 91.159 ug/l  
RT: 3.71 min Scan# 304  
Delta R.T. -0.00 min  
Lab File: VD064158.D  
Acq: 08 Nov 2019 15:30

Tgt Ion: 74 Resp: 380195  
Ion Ratio Lower Upper  
74 100  
45 96.4 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 92.774 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

Instrument :

MSVOA\_D

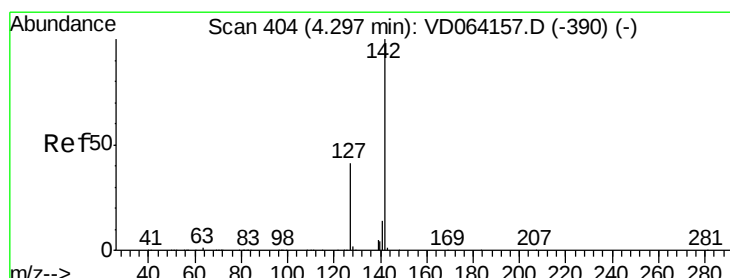
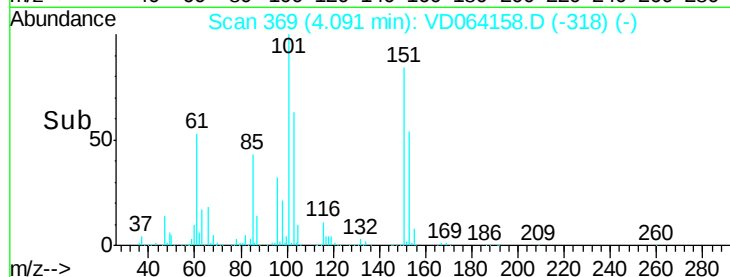
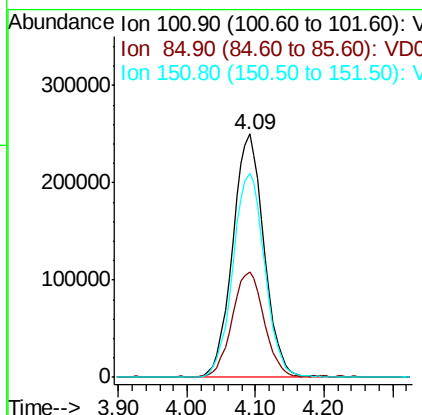
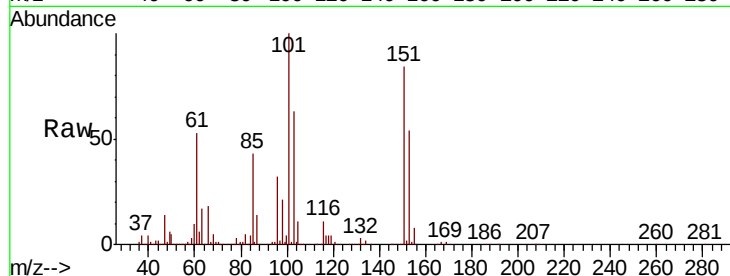
ClientSampleId :

VSTDIC100

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 795403 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 43.8  | 34.4  | 51.6   |
| 151       | 85.2  | 68.1  | 102.1  |

Manual Integrations  
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11/13/2019 11:14:47 AM



#10

Methyl Iodide

Concen: 93.793 ug/l

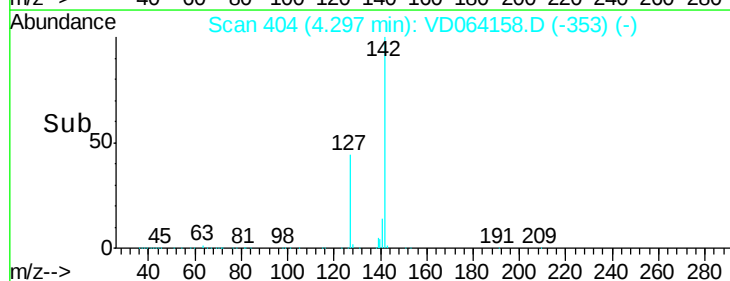
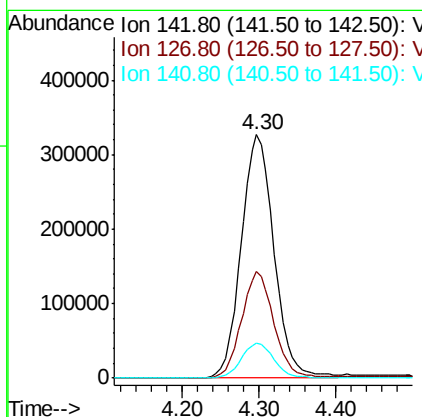
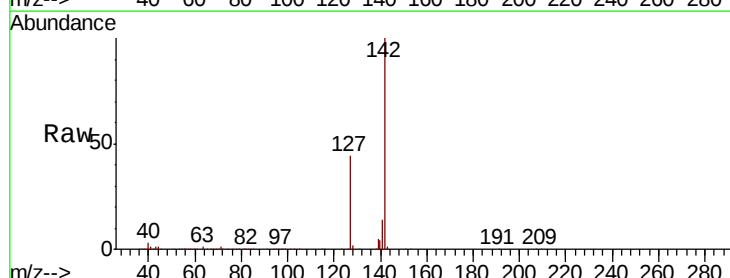
RT: 4.30 min Scan# 404

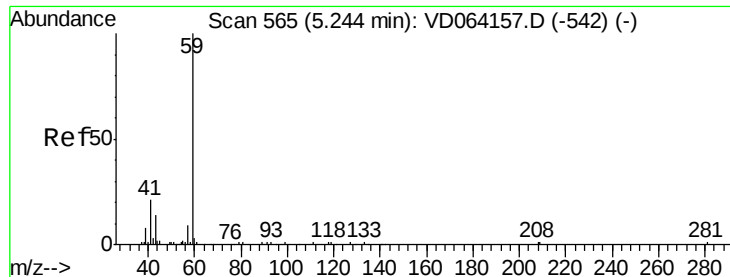
Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 976525 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 42.9  | 34.4  | 51.6   |
| 141       | 14.4  | 11.2  | 16.8   |





#11

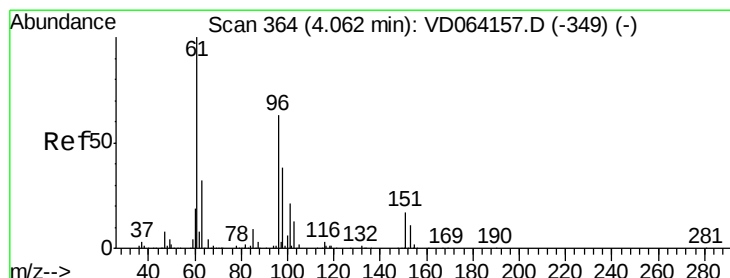
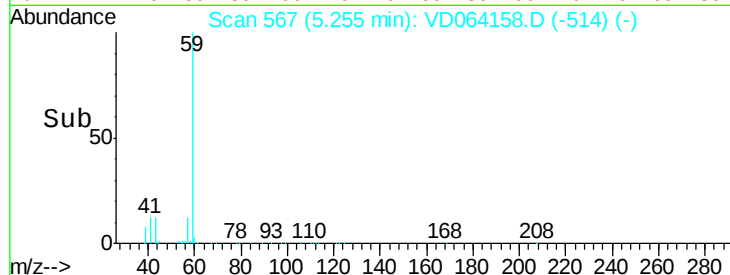
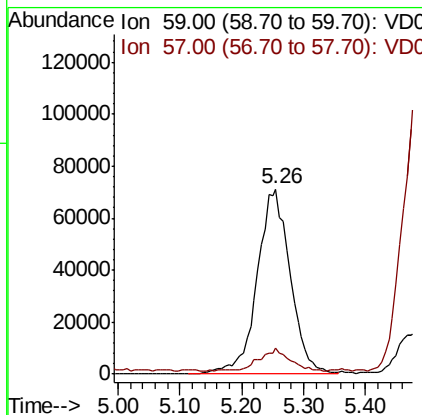
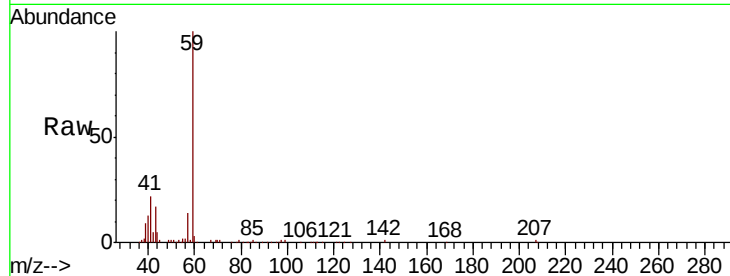
Tert butyl alcohol  
Concen: 624.739 ug/l  
RT: 5.26 min Scan# 567  
Delta R.T. 0.01 min  
Lab File: VD064158.D  
Acq: 08 Nov 2019 15:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

| Tot Ion   | 59   | Resp  | 264257 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 57        | 11.6 | 9.4   | 14.2   |

Manual Integrations  
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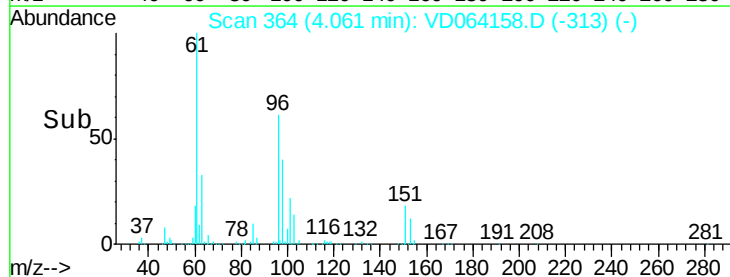
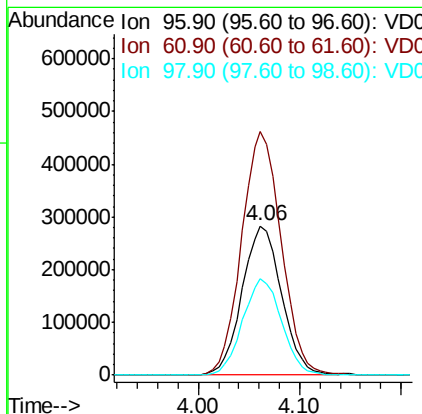
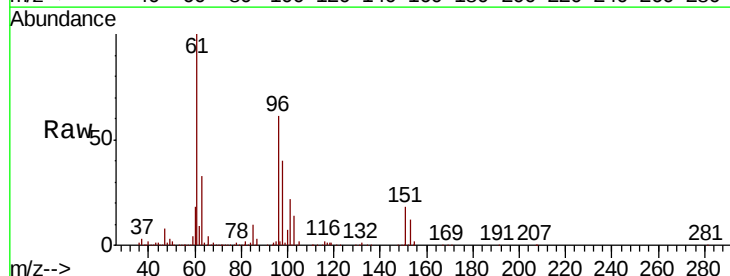
MMDadoda  
11/13/2019 11:14:47 AM

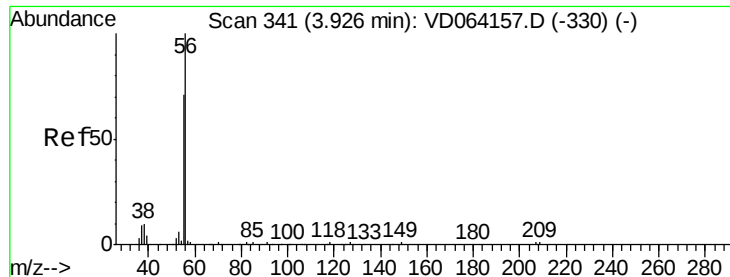


#12

1,1-Dichloroethene  
Concen: 92.995 ug/l  
RT: 4.06 min Scan# 364  
Delta R.T. -0.00 min  
Lab File: VD064158.D  
Acq: 08 Nov 2019 15:30

| Tgt Ion   | 96    | Resp  | 759888 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 61        | 163.3 | 127.4 | 191.2  |
| 98        | 64.7  | 48.1  | 72.1   |





#13

Acrolein

Concen: 509.909 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 247722

Ion Ratio Lower Upper

56 100

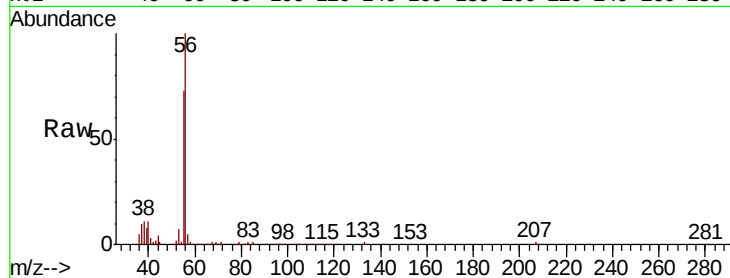
55 69.4 56.1 84.1

Manual Integrations

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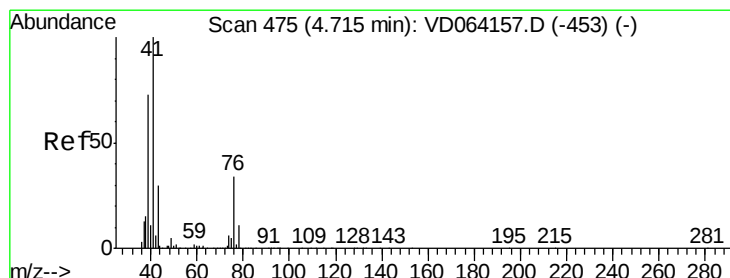
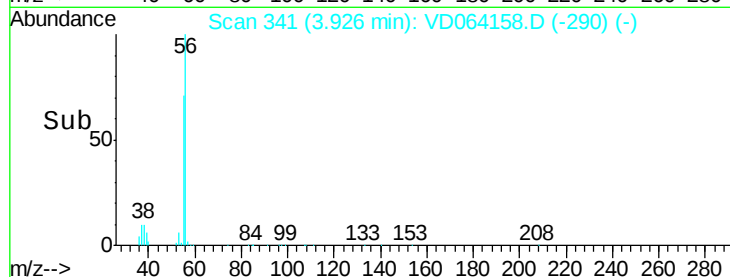
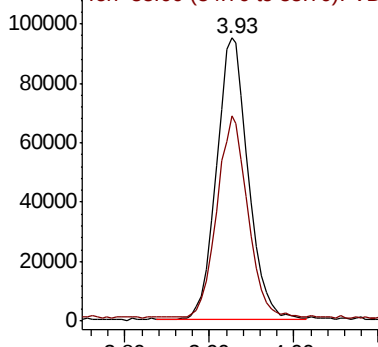
MMDadoda

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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: 129.270 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

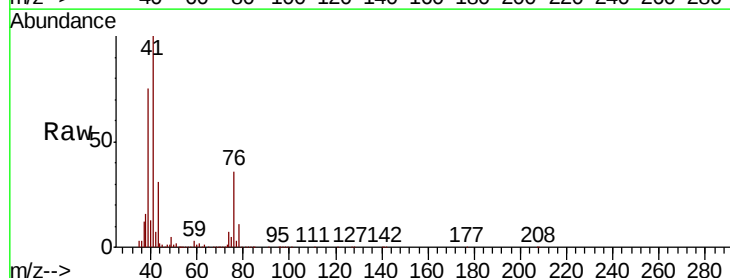
Tgt Ion: 41 Resp: 1340101

Ion Ratio Lower Upper

41 100

39 73.2 57.5 86.3

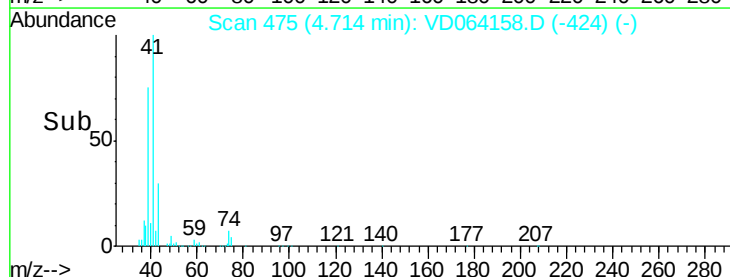
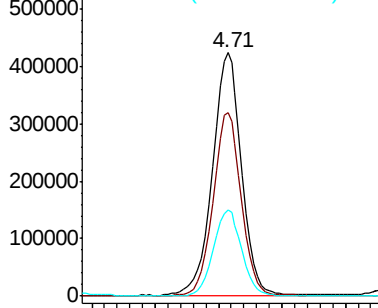
76 34.3 26.8 40.2



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: 528.264 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

Instrument :

MSVOA\_D

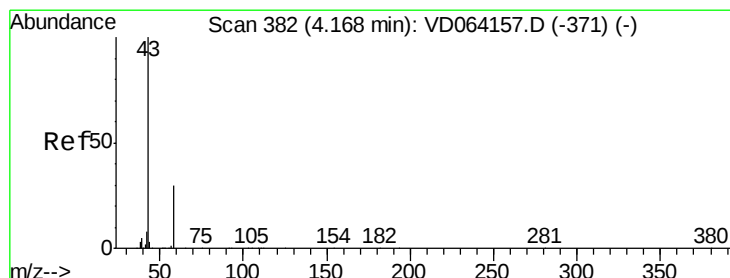
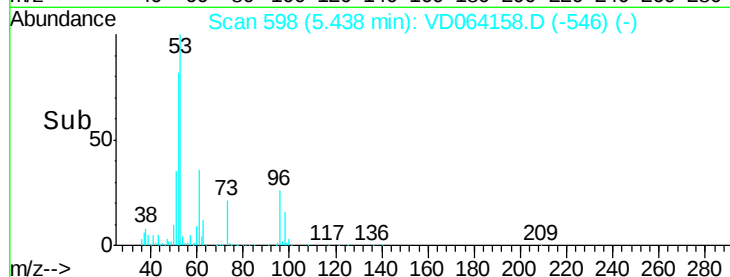
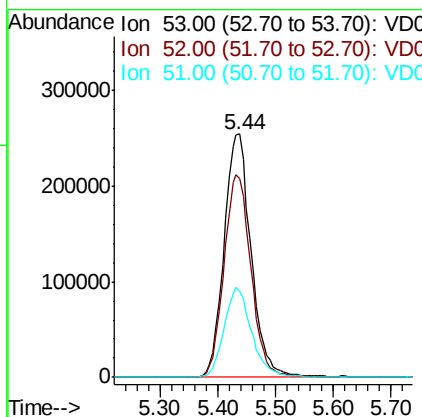
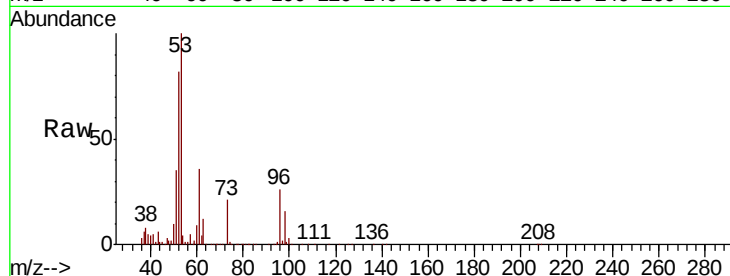
ClientSampleId :

VSTDIC100

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 825057 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 82.9  | 66.7  | 100.1  |
| 51       | 37.1  | 30.6  | 46.0   |

Manual Integrations  
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#16

Acetone

Concen: 627.693 ug/l

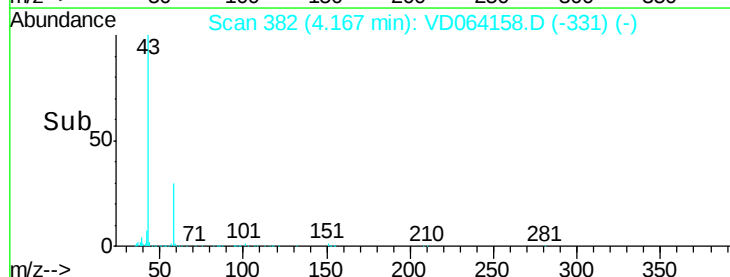
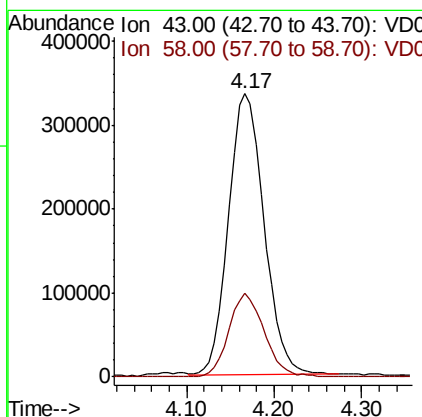
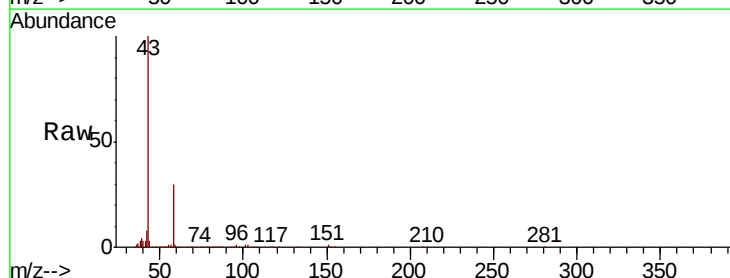
RT: 4.17 min Scan# 382

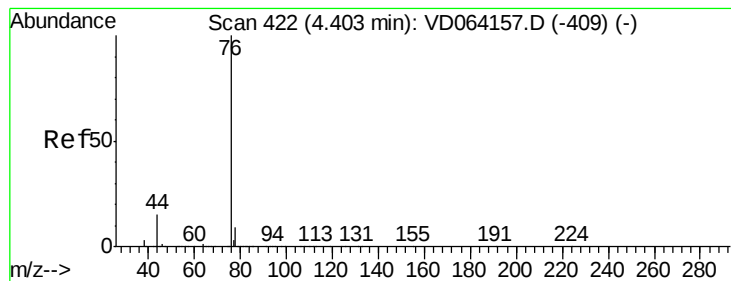
Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 928962 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 29.7  | 24.1  | 36.1   |





#17

Carbon Disulfide

Concen: 96.215 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDICC100

Tot Ion: 76 Resp: 2417979

Ion Ratio Lower Upper

76 100

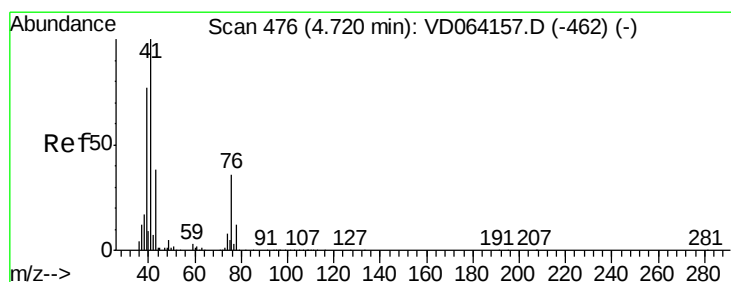
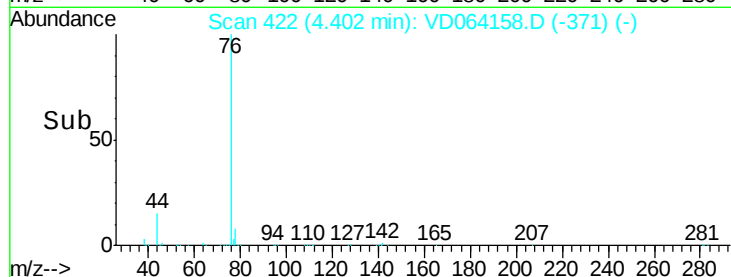
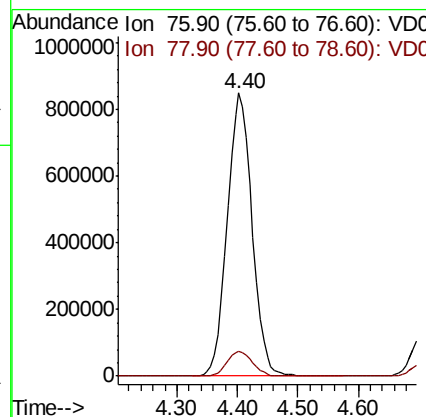
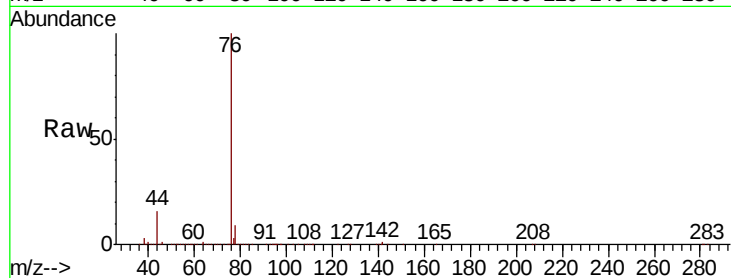
78 8.9 7.2 10.8

Manual Integrations

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11/13/2019 11:14:47 AM



#18

Methyl Acetate

Concen: 119.764 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD064158.D

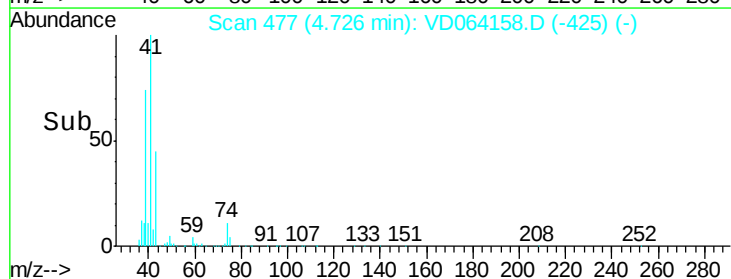
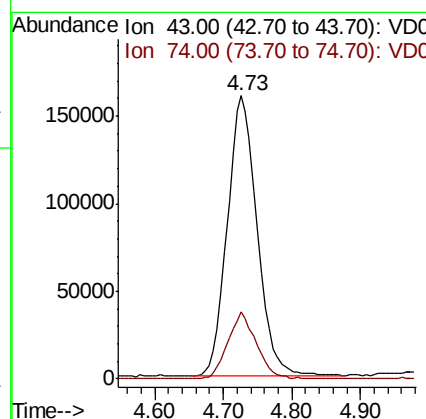
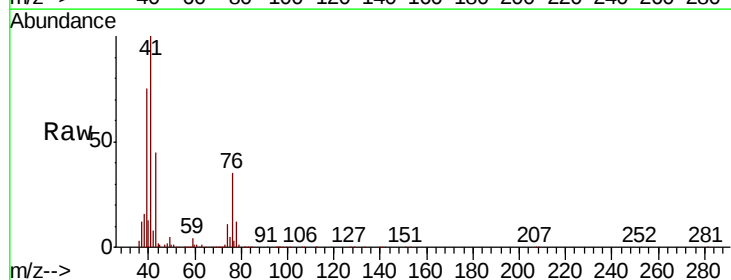
Acq: 08 Nov 2019 15:30

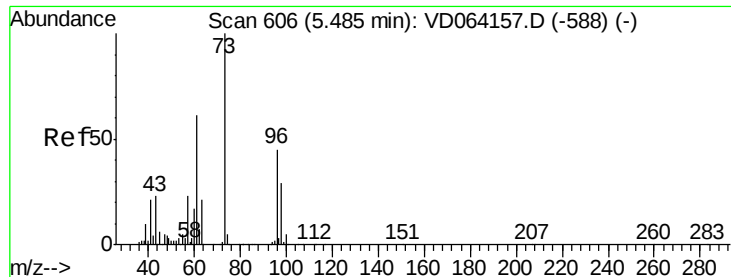
Tgt Ion: 43 Resp: 479843

Ion Ratio Lower Upper

43 100

74 23.0 18.4 27.6





#19

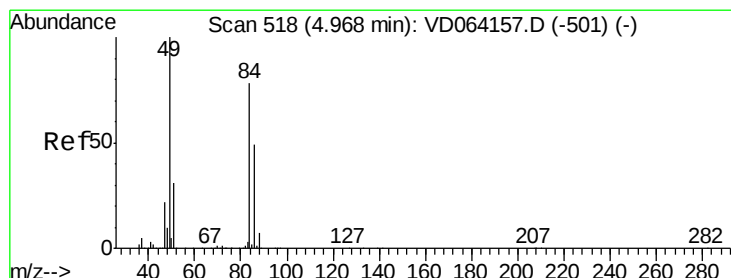
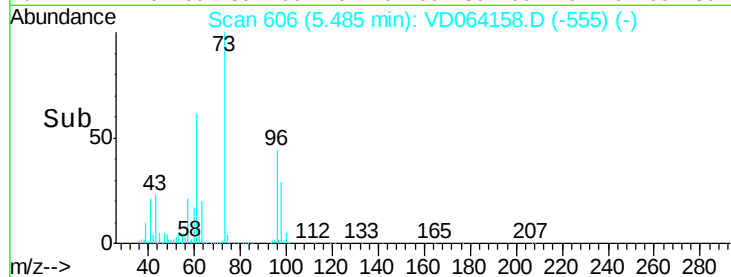
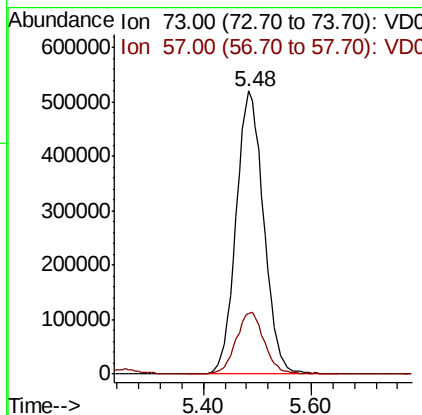
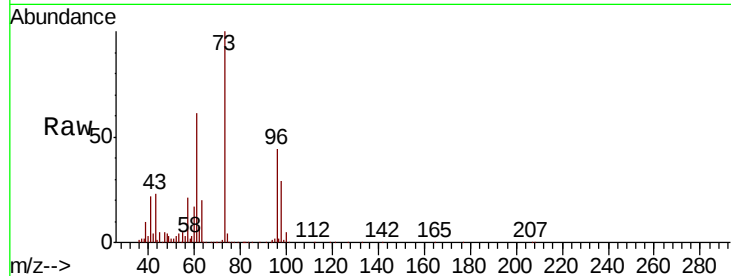
Methyl tert-butyl Ether  
 Concen: 108.231 ug/l  
 RT: 5.48 min Scan# 606  
 Delta R.T. -0.00 min  
 Lab File: VD064158.D  
 Acq: 08 Nov 2019 15:30

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VSTDIC100

Tot Ion: 73 Resp: 1844081  
 Ion Ratio Lower Upper  
 73 100  
 57 21.2 18.4 27.6

Manual Integrations  
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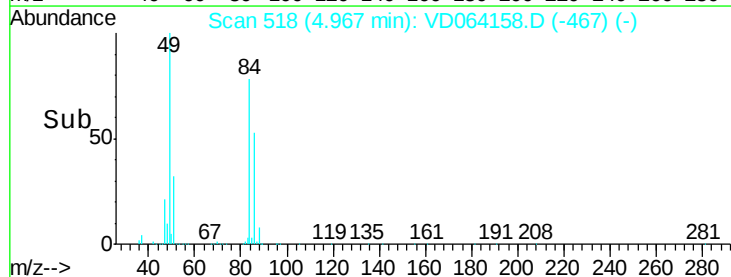
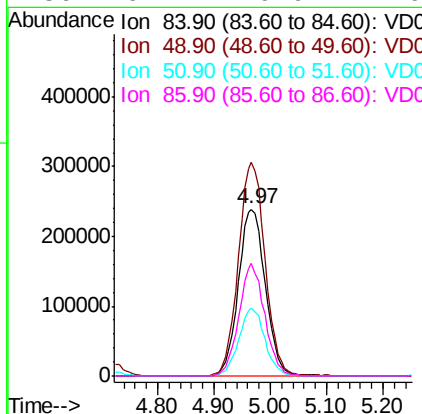
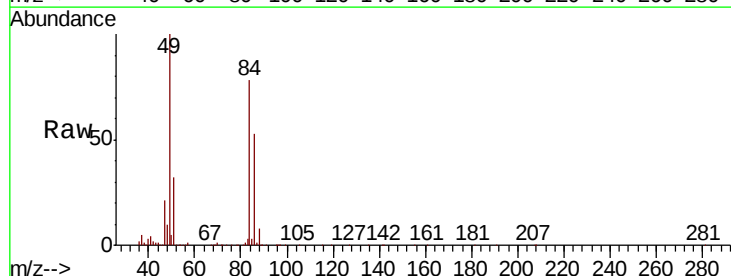
MMDadoda  
 11/13/2019 11:14:47 AM

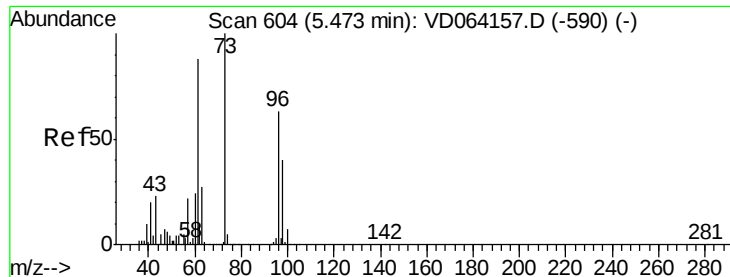


#20

Methylene Chloride  
 Concen: 78.949 ug/l  
 RT: 4.97 min Scan# 518  
 Delta R.T. -0.00 min  
 Lab File: VD064158.D  
 Acq: 08 Nov 2019 15:30

Tgt Ion: 84 Resp: 797113  
 Ion Ratio Lower Upper  
 84 100  
 49 128.0 102.1 153.1  
 51 40.9 32.2 48.2  
 86 67.7 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 93.847 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 859199

Ion Ratio Lower Upper

96 100

61 138.7 111.8 167.6

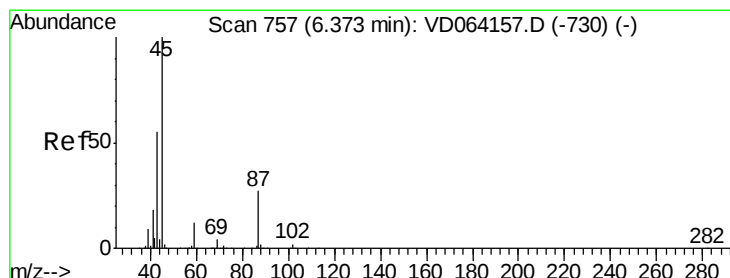
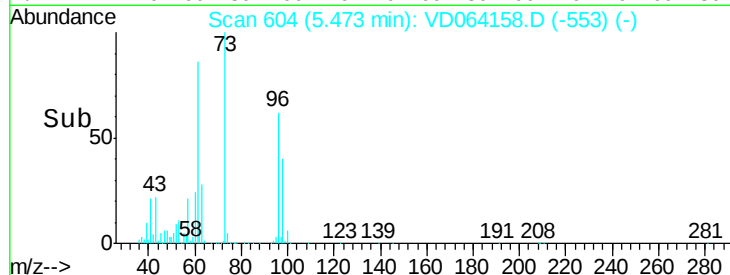
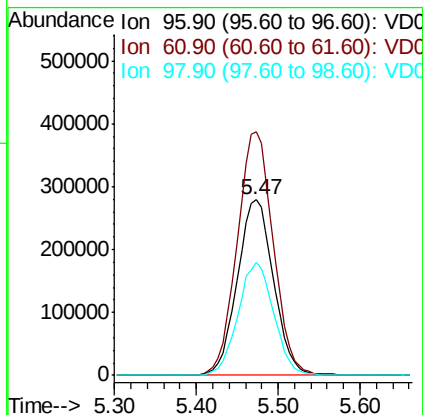
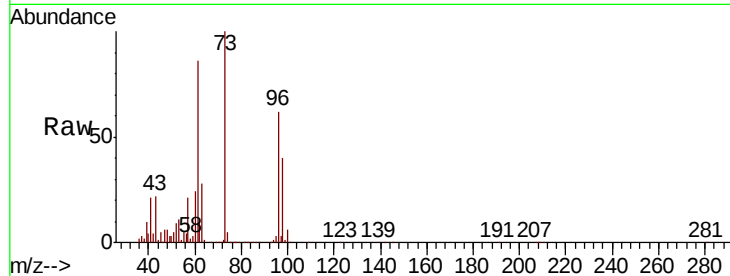
98 64.0 50.3 75.5

Manual Integrations

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11/13/2019 11:14:47 AM



#22

Diisopropyl ether

Concen: 114.190 ug/l

RT: 6.37 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

Tgt Ion: 45 Resp: 2513626

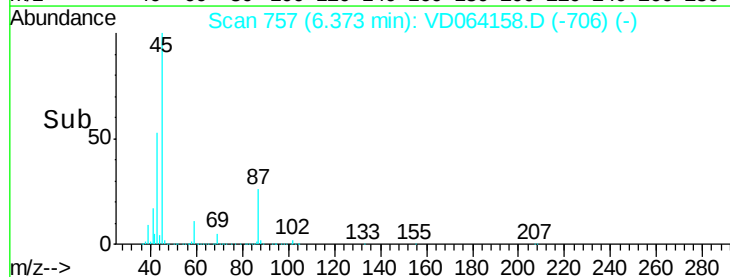
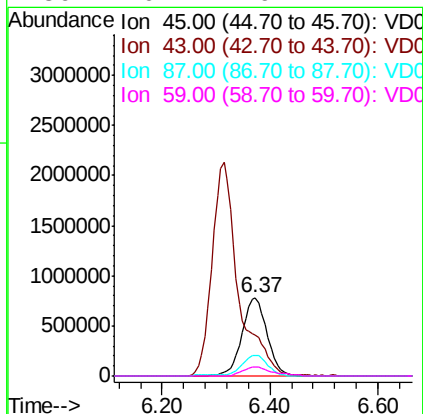
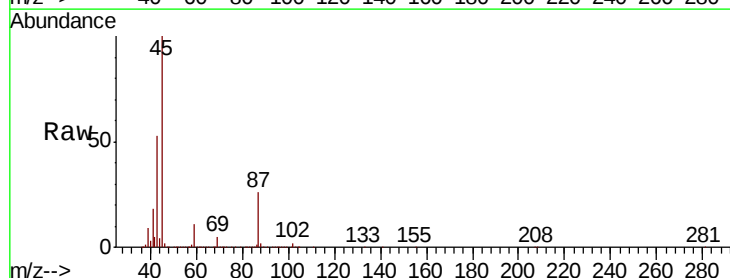
Ion Ratio Lower Upper

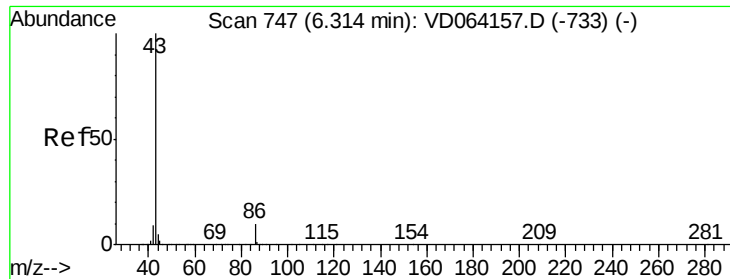
45 100

43 52.1 44.4 66.6

87 26.3 21.9 32.9

59 10.7 9.4 14.2





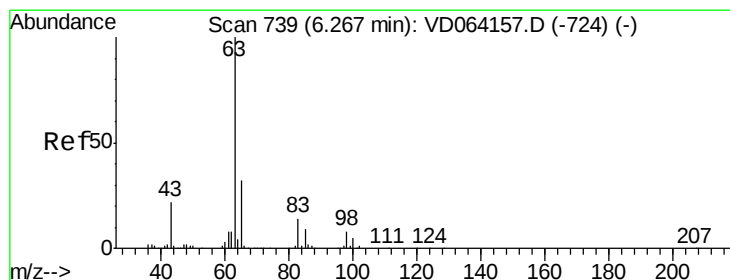
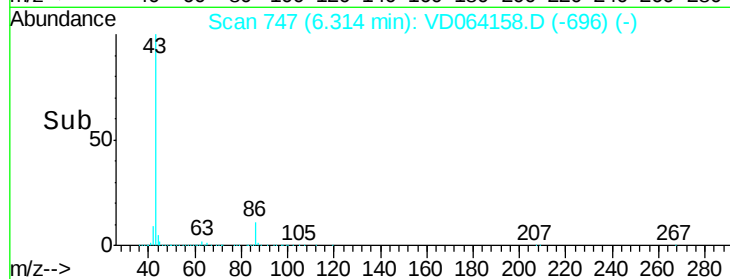
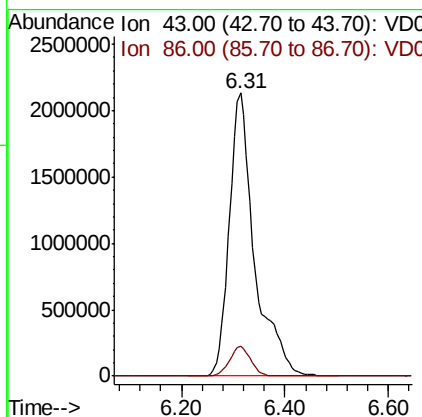
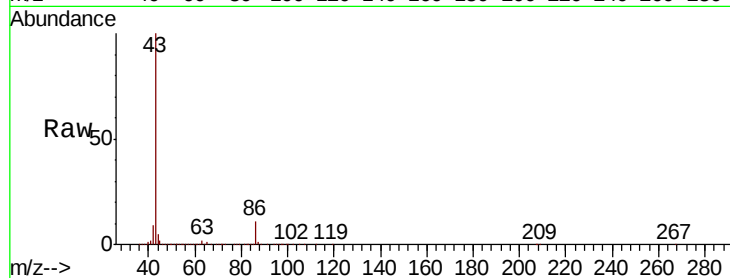
#23  
 Vinyl Acetate  
 Concen: 598.309 ug/l  
 RT: 6.31 min Scan# 747  
 Delta R.T. -0.00 min  
 Lab File: VD064158.D  
 Acq: 08 Nov 2019 15:30

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VSTDIC100

Tot Ion: 43 Resp: 7245200  
 Ion Ratio Lower Upper  
 43 100  
 86 10.6 8.2 12.2

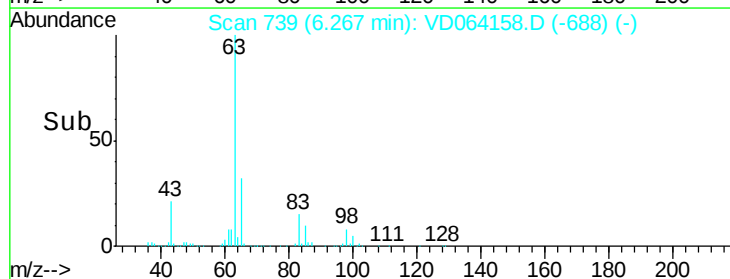
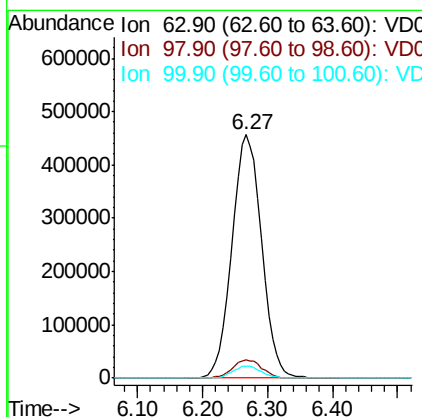
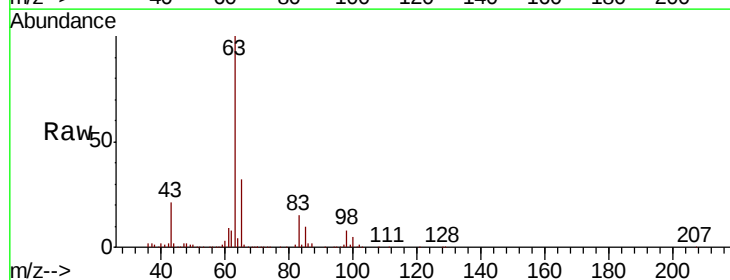
Manual Integrations  
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#24  
 1,1-Dichloroethane  
 Concen: 99.805 ug/l  
 RT: 6.27 min Scan# 739  
 Delta R.T. -0.00 min  
 Lab File: VD064158.D  
 Acq: 08 Nov 2019 15:30

Tgt Ion: 63 Resp: 1445591  
 Ion Ratio Lower Upper  
 63 100  
 98 7.6 3.8 11.4  
 100 4.7 2.4 7.2





#25

2-Butanone

Concen: 570.999 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1160027

Ion Ratio Lower Upper

43 100

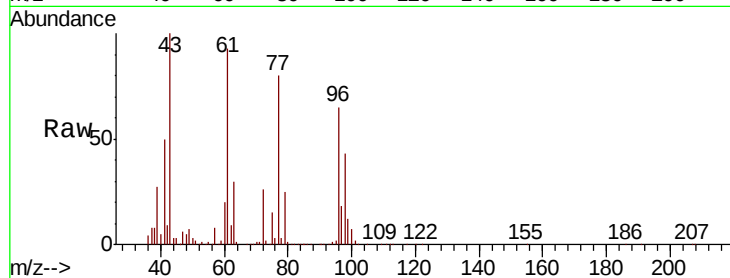
72 26.2 20.6 30.8

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.23

400000

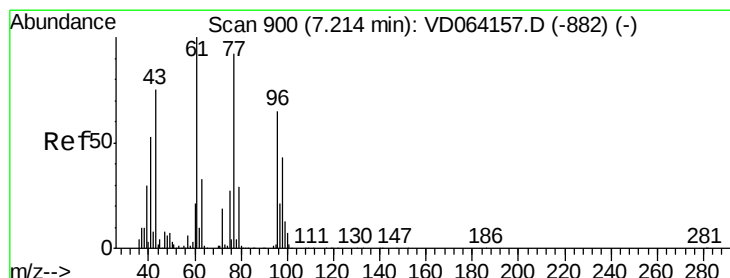
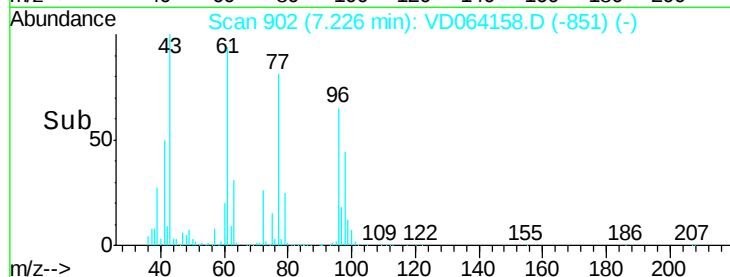
300000

200000

100000

0

Time--> 7.10 7.15 7.20 7.25 7.30



#26

2,2-Dichloropropane

Concen: 101.289 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064158.D

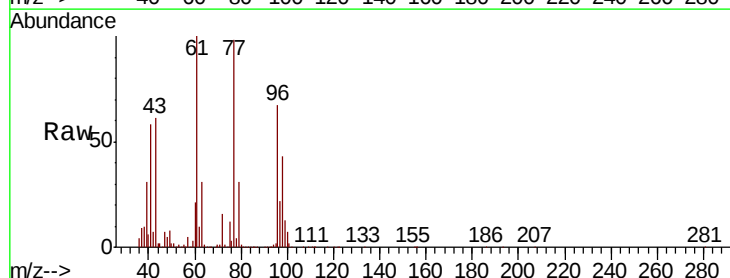
Acq: 08 Nov 2019 15:30

Tgt Ion: 77 Resp: 1398694

Ion Ratio Lower Upper

77 100

97 22.3 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

7.21

500000

400000

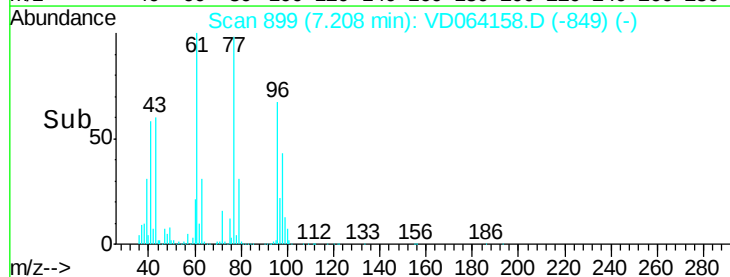
300000

200000

100000

0

Time--> 7.10 7.20 7.30





#27

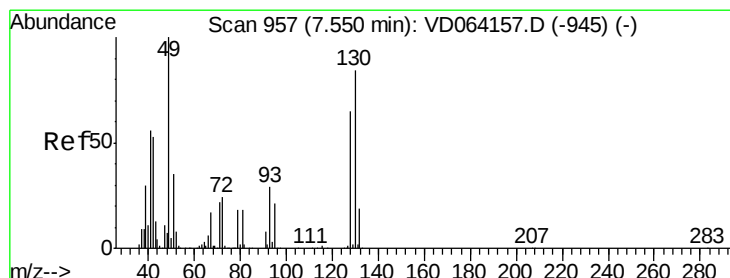
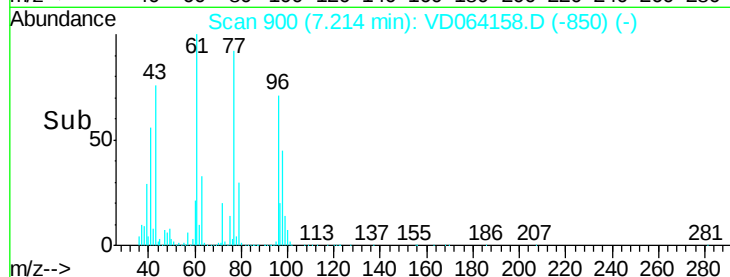
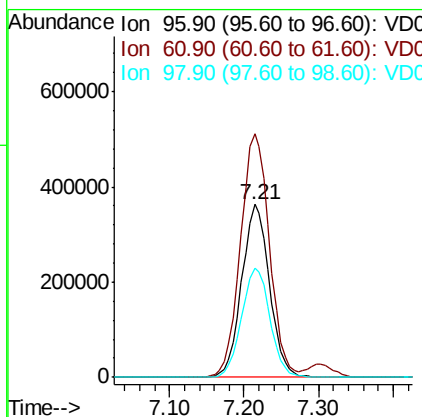
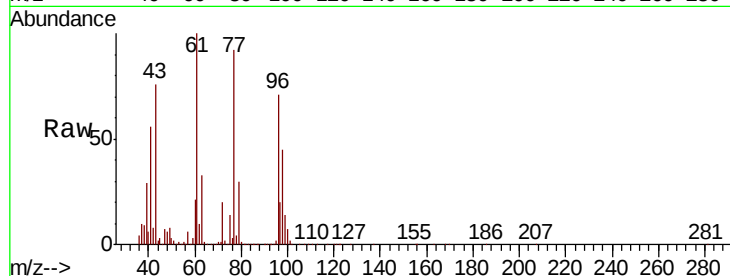
cis-1,2-Dichloroethene  
Concen: 92.240 ug/l  
RT: 7.21 min Scan# 900  
Delta R.T. -0.01 min  
Lab File: VD064158.D  
Acq: 08 Nov 2019 15:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 96      | 100   |       |       |       |       |
| 61      | 146.6 | 0.0   | 301.4 |       |       |
| 98      | 64.5  | 0.0   | 133.2 |       |       |

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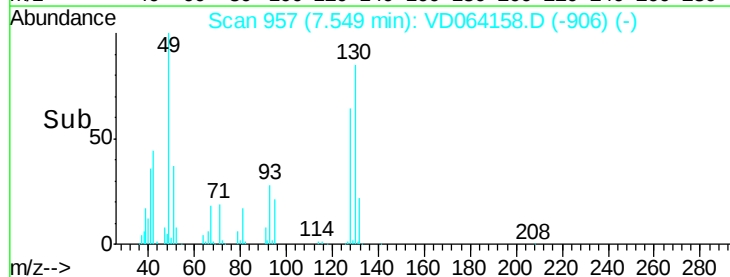
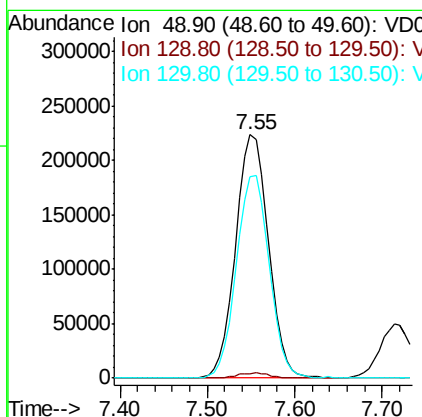
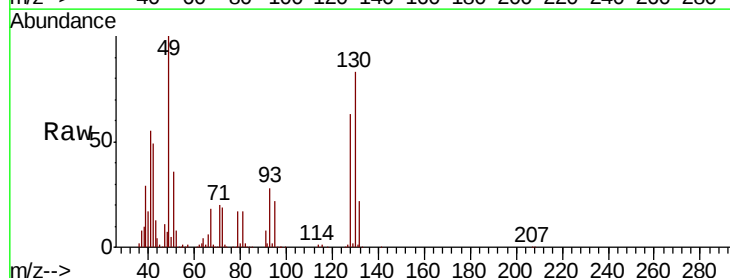
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11/13/2019 11:14:47 AM

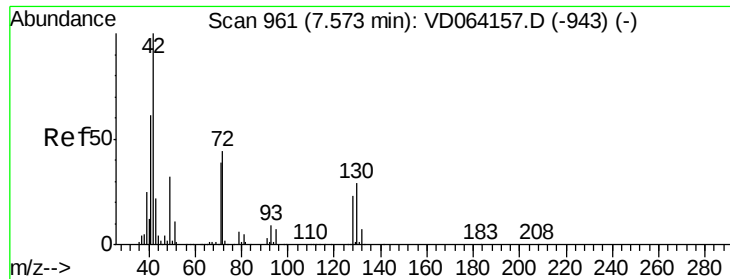


#28

Bromochloromethane  
Concen: 109.599 ug/l  
RT: 7.55 min Scan# 957  
Delta R.T. -0.00 min  
Lab File: VD064158.D  
Acq: 08 Nov 2019 15:30

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 49      | 100  |       |       |       |       |
| 129     | 2.2  | 0.0   | 4.4   |       |       |
| 130     | 83.0 | 66.8  | 100.2 |       |       |





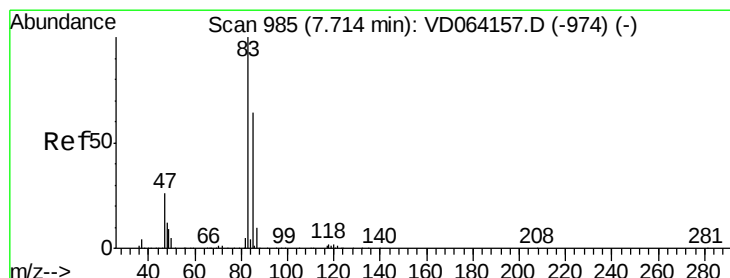
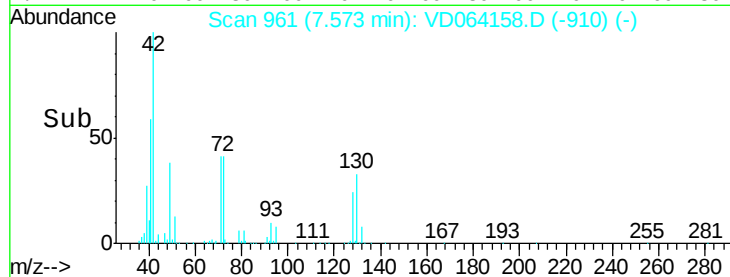
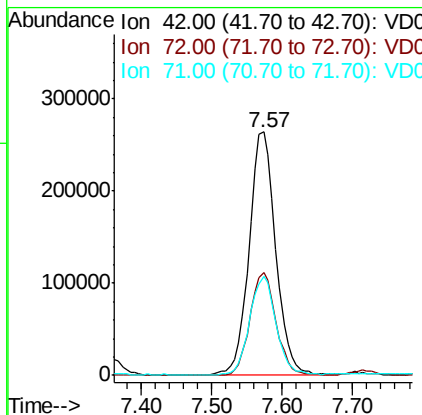
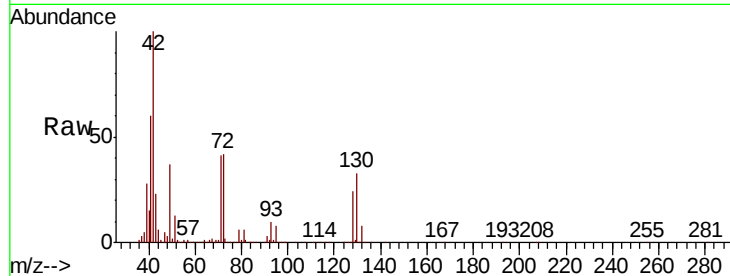
#29  
Tetrahydrofuran  
Concen: 580.319 ug/l  
RT: 7.57 min Scan# 961  
Delta R.T. -0.00 min  
Lab File: VD064158.D  
Acq: 08 Nov 2019 15:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 41.6  | 33.4  | 50.2  |
| 71      | 40.0  | 31.0  | 46.4  |

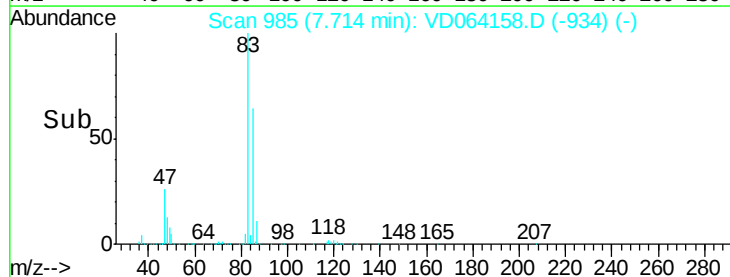
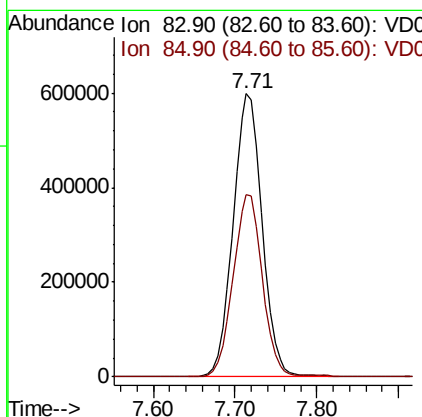
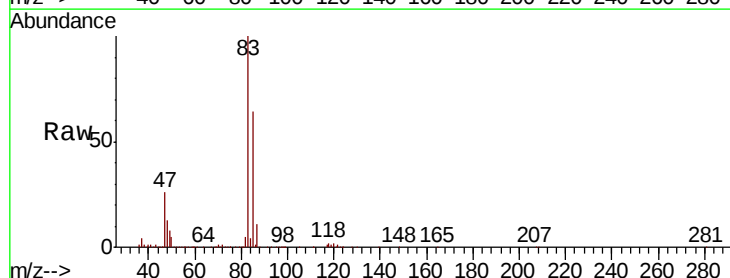
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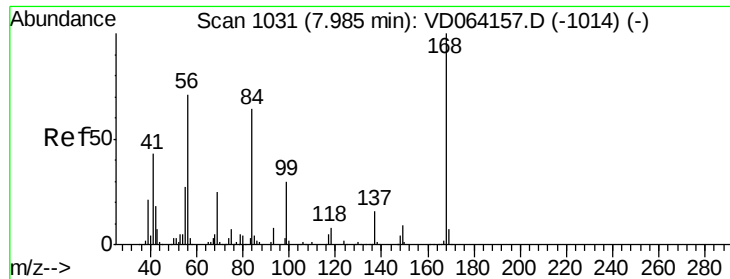
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#30  
Chloroform  
Concen: 90.622 ug/l  
RT: 7.71 min Scan# 985  
Delta R.T. -0.00 min  
Lab File: VD064158.D  
Acq: 08 Nov 2019 15:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.1  | 51.4  | 77.0  |





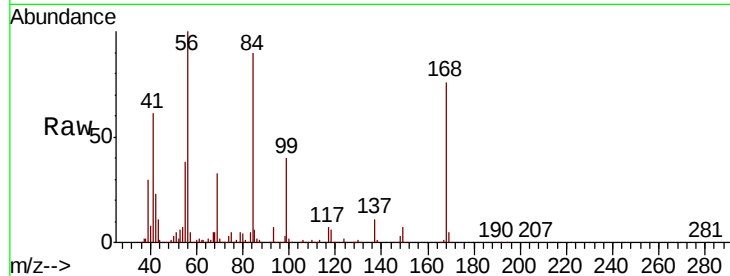
#31  
Cyclohexane  
Concen: 98.531 ug/l  
RT: 7.98 min Scan# 1031  
Delta R.T. -0.00 min  
Lab File: VD064158.D  
Acq: 08 Nov 2019 15:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

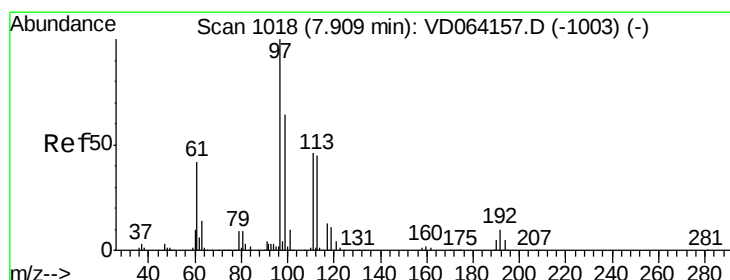
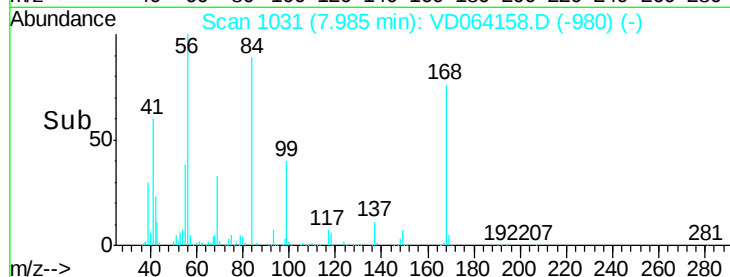
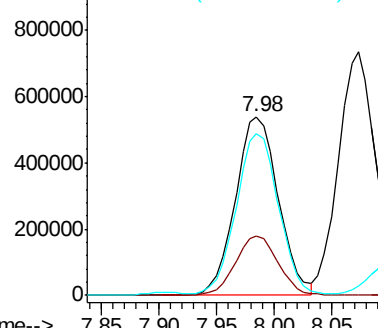
Tot Ion: 56 Resp: 1397068  
Ion Ratio Lower Upper  
56 100  
69 33.0 28.2 42.4  
84 88.5 71.8 107.6

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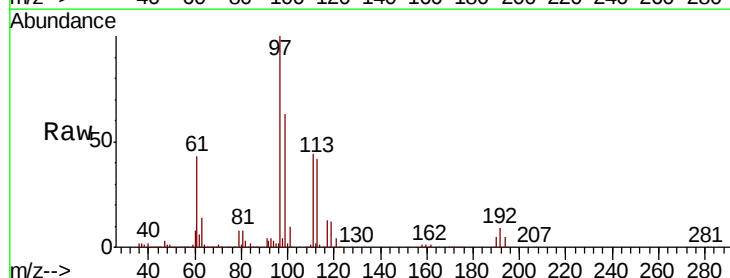


Abundance Ion 56.00 (55.70 to 56.70): VDC  
Ion 69.00 (68.70 to 69.70): VDC  
Ion 84.00 (83.70 to 84.70): VDC

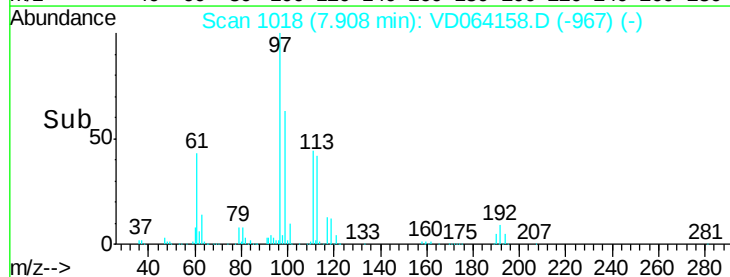
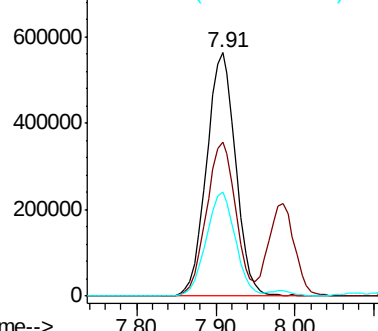


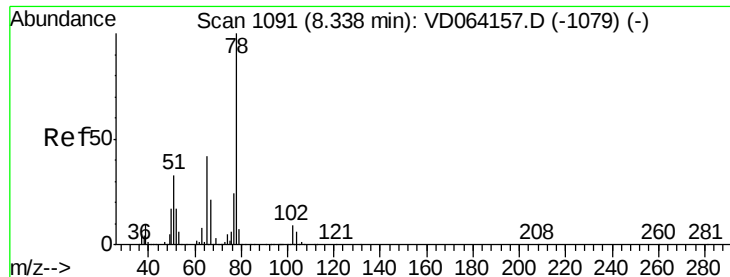
#32  
1,1,1-Trichloroethane  
Concen: 93.643 ug/l  
RT: 7.91 min Scan# 1018  
Delta R.T. -0.00 min  
Lab File: VD064158.D  
Acq: 08 Nov 2019 15:30

Tgt Ion: 97 Resp: 1423419  
Ion Ratio Lower Upper  
97 100  
99 64.1 51.6 77.4  
61 42.9 34.2 51.2



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





#33

1,2-Dichloroethane-d4

Concen: 103.961 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 790330

Ion Ratio Lower Upper

65 100

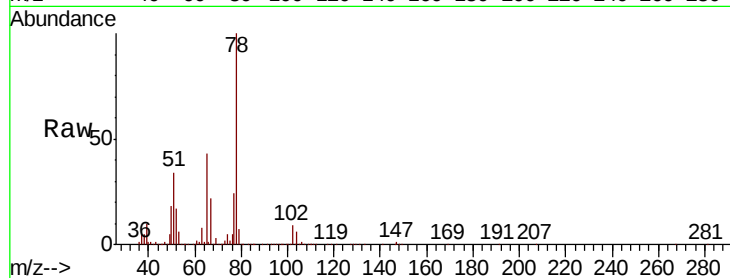
67 51.8 0.0 104.4

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

400000

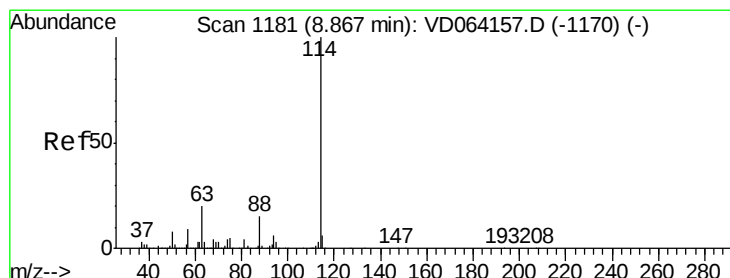
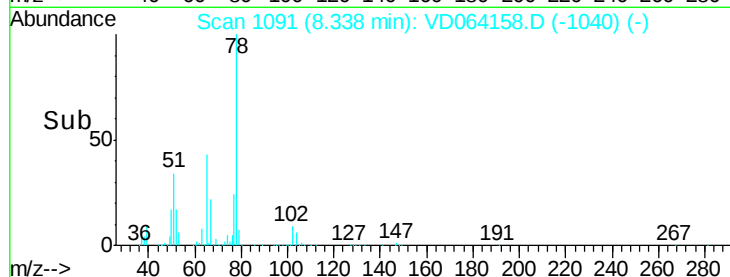
300000

200000

100000

0

Time--> 8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

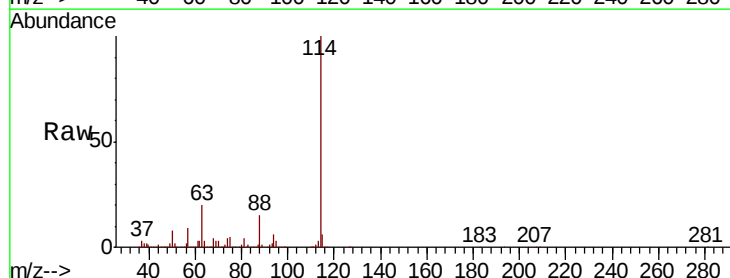
Tgt Ion: 114 Resp: 1323038

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.0

88 15.0 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

800000

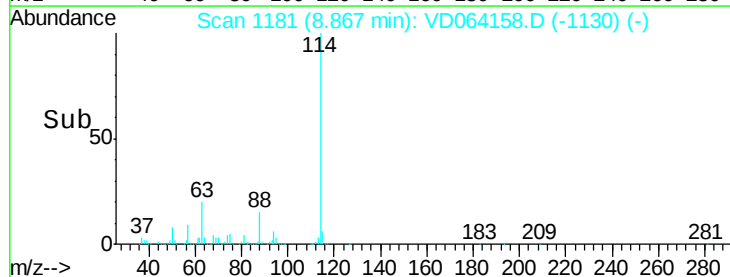
600000

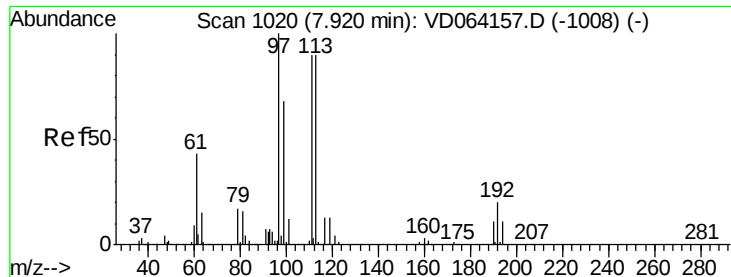
400000

200000

0

Time--> 8.80 8.90 9.00





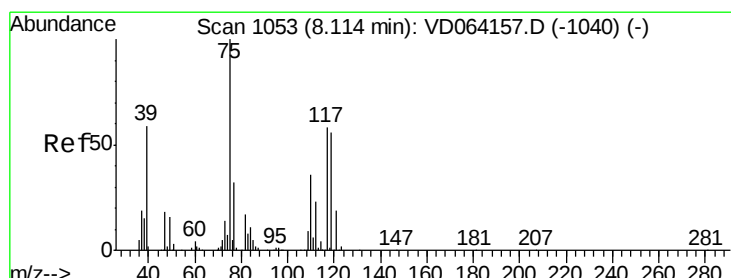
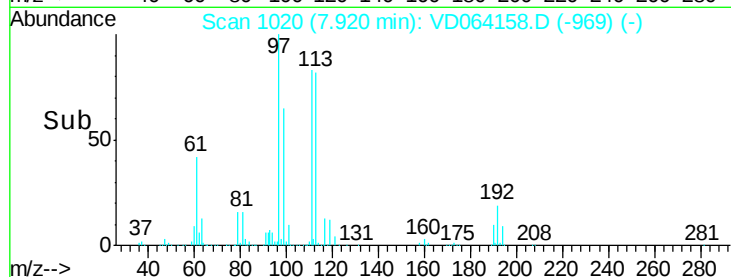
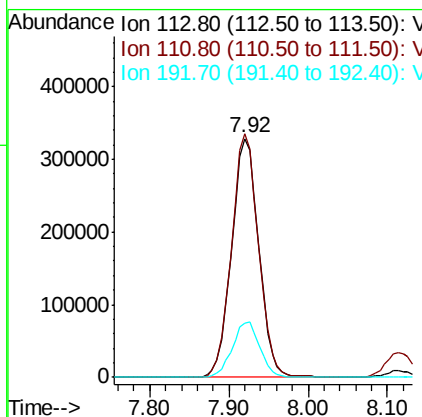
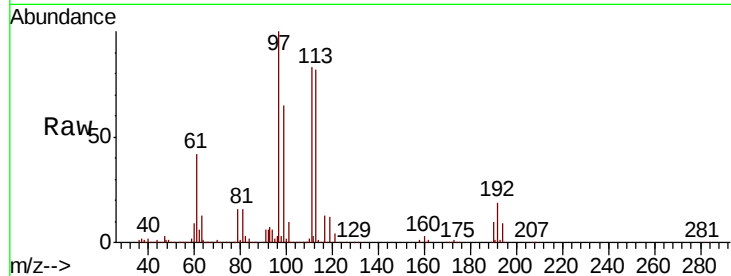
#35  
Dibromofluoromethane  
Concen: 96.388 ug/l  
RT: 7.92 min Scan# 1020  
Delta R.T. -0.00 min  
Lab File: VD064158.D  
Acq: 08 Nov 2019 15:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.3 | 81.5  | 122.3 |
| 192     | 23.4  | 18.8  | 28.2  |

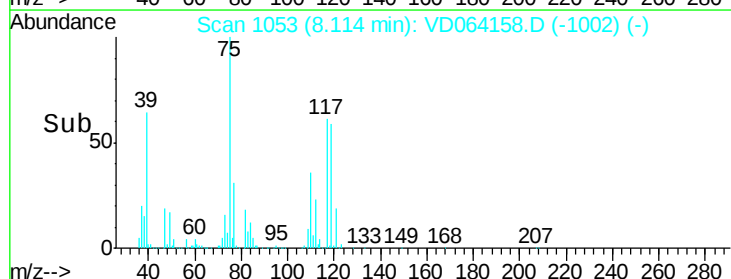
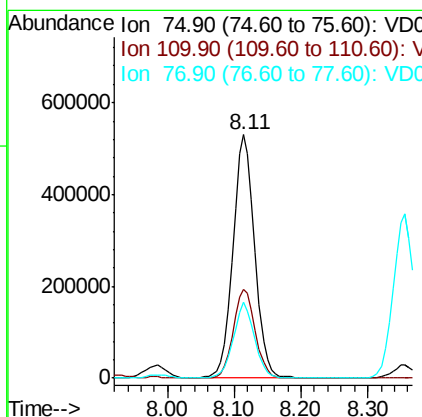
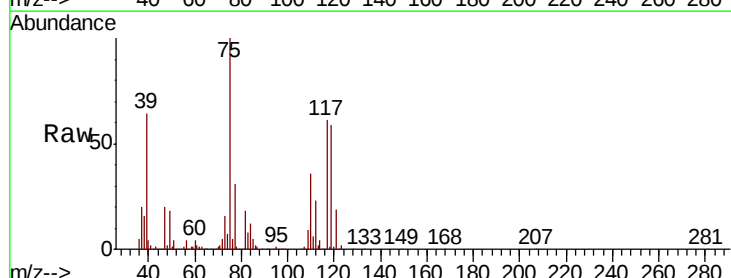
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#36  
1,1-Dichloropropene  
Concen: 96.277 ug/l  
RT: 8.11 min Scan# 1053  
Delta R.T. -0.00 min  
Lab File: VD064158.D  
Acq: 08 Nov 2019 15:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 37.0  | 18.3  | 54.9  |
| 77      | 30.3  | 25.0  | 37.6  |





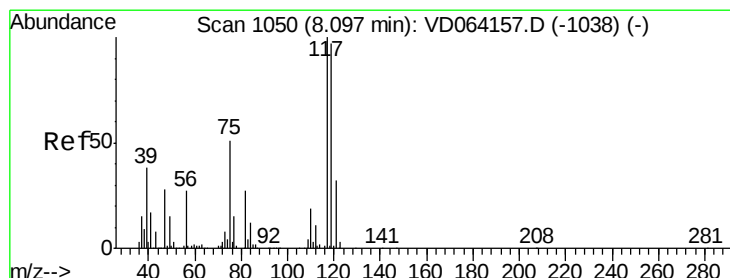
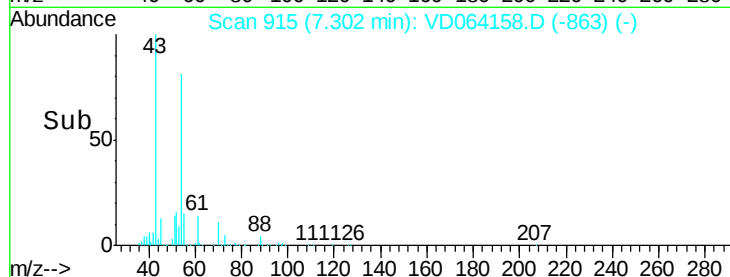
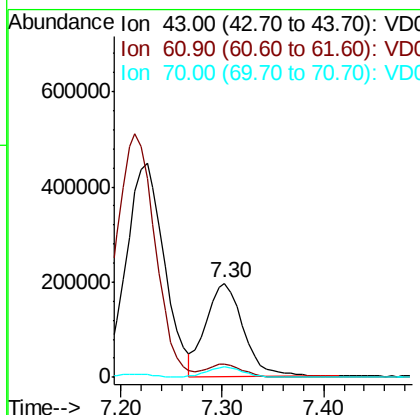
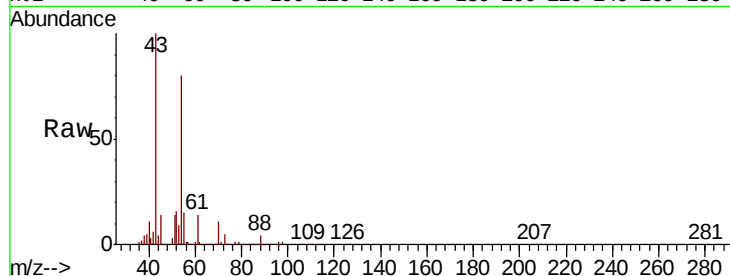
#37  
Ethyl Acetate  
Concen: 124.209 ug/l  
RT: 7.30 min Scan# 915  
Delta R.T. 0.01 min  
Lab File: VD064158.D  
Acq: 08 Nov 2019 15:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.3  | 10.2  | 15.2  |
| 70      | 10.4  | 8.5   | 12.7  |

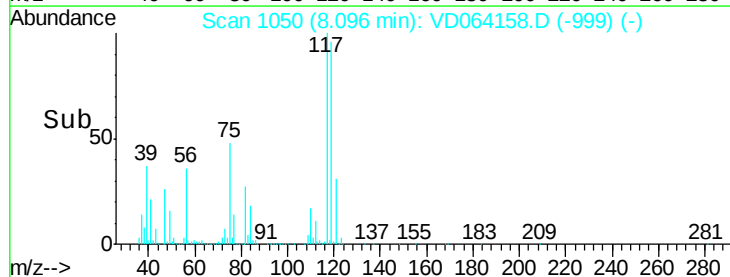
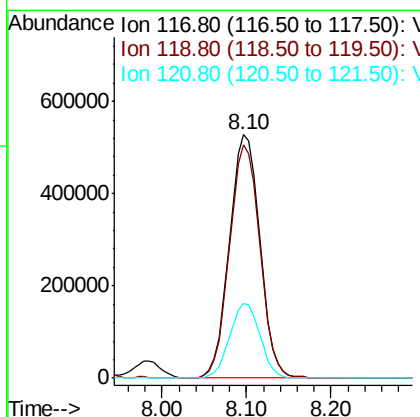
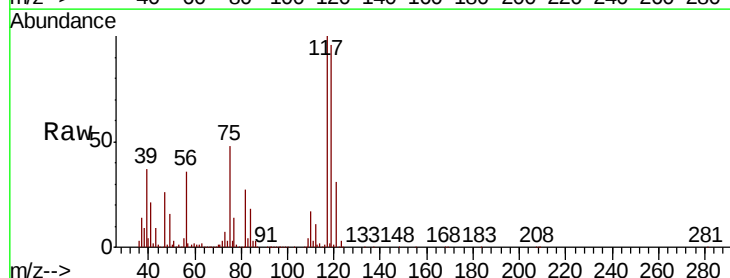
Manual Integrations  
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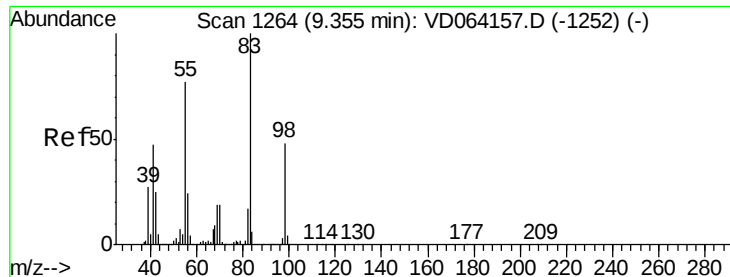
MMDadoda  
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#38  
Carbon Tetrachloride  
Concen: 96.993 ug/l  
RT: 8.10 min Scan# 1050  
Delta R.T. -0.00 min  
Lab File: VD064158.D  
Acq: 08 Nov 2019 15:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.2  | 77.2  | 115.8 |
| 121     | 30.7  | 25.5  | 38.3  |





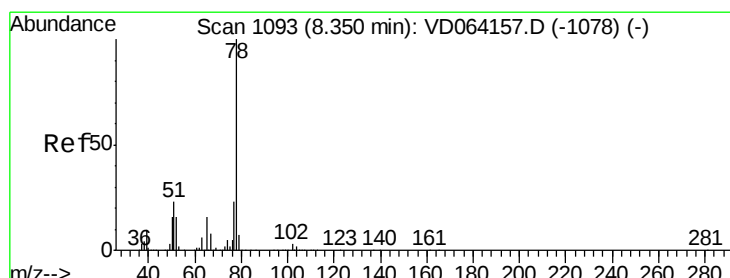
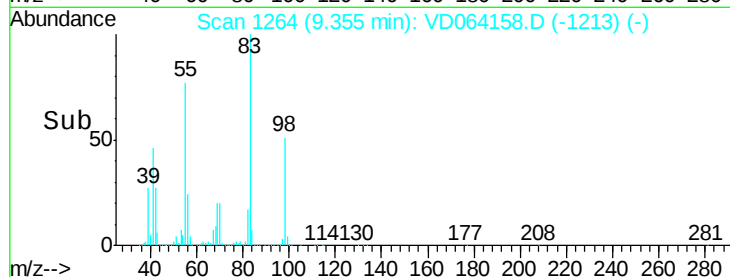
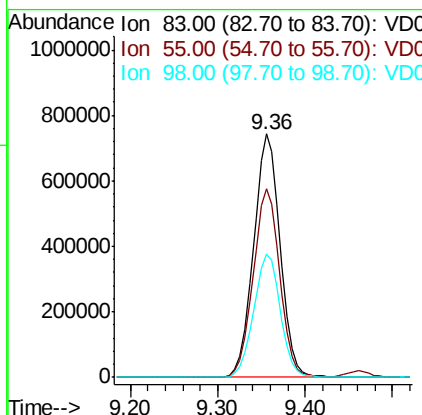
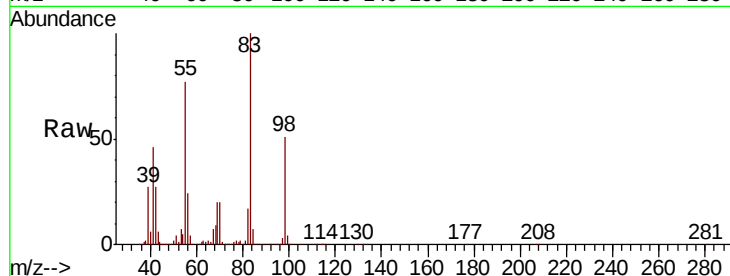
#39  
Methvlcvclohexane  
Concen: 100.799 ug/l  
RT: 9.36 min Scan# 1264  
Delta R.T. -0.00 min  
Lab File: VD064158.D  
Acq: 08 Nov 2019 15:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 77.1  | 61.7  | 92.5  |
| 98      | 50.8  | 38.6  | 58.0  |

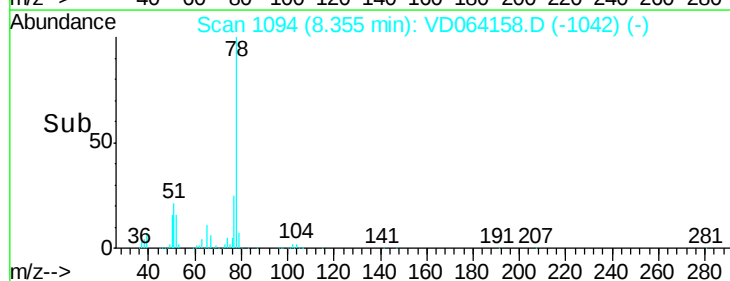
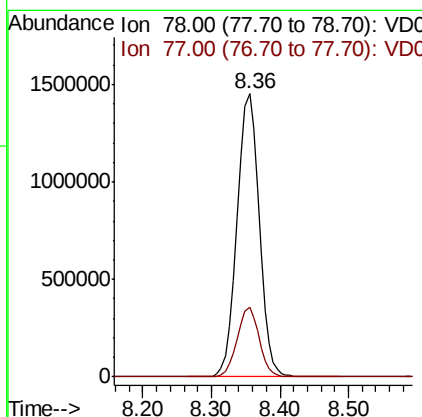
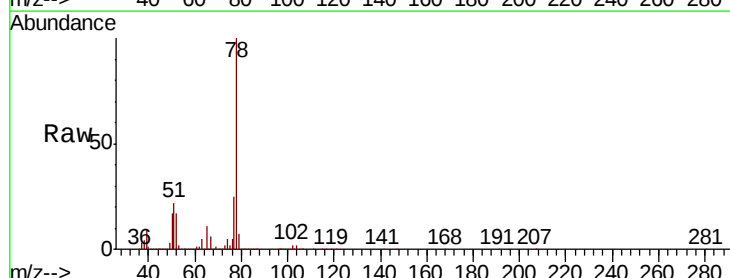
Manual Integrations  
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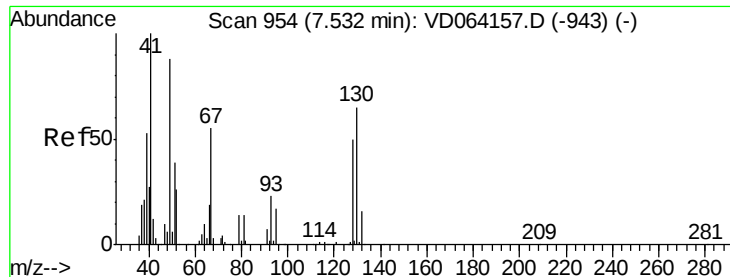
MMDadoda  
11/13/2019 11:14:47 AM



#40  
Benzene  
Concen: 96.742 ug/l  
RT: 8.36 min Scan# 1094  
Delta R.T. 0.01 min  
Lab File: VD064158.D  
Acq: 08 Nov 2019 15:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.6  | 18.6  | 28.0  |





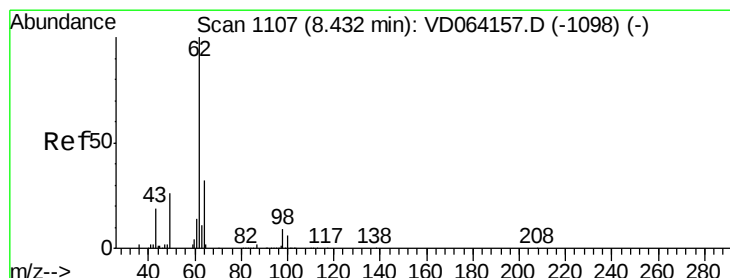
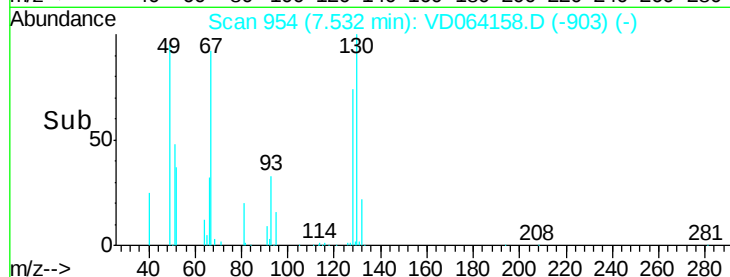
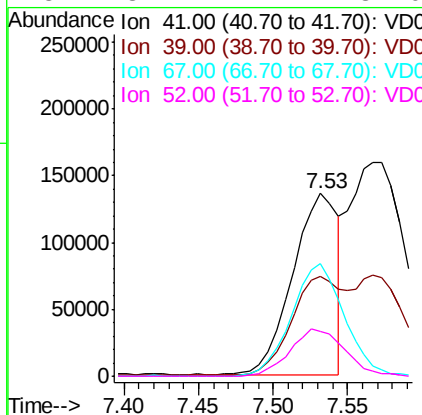
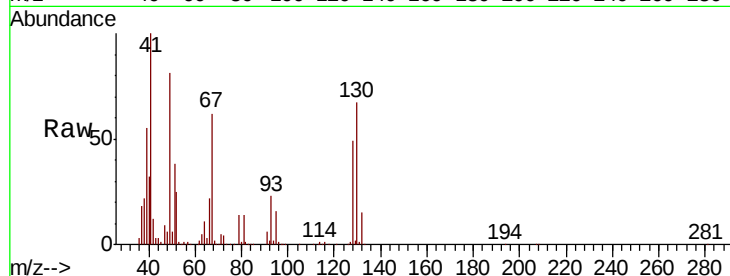
#41  
Methacrylonitrile  
Concen: 118.114 ug/l  
RT: 7.53 min Scan# 954  
Delta R.T. -0.00 min  
Lab File: VD064158.D  
Acq: 08 Nov 2019 15:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 41    | Resp: | 284903 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 63.7  | 49.4  | 74.2   |
| 67       | 72.4  | 49.6  | 74.4   |
| 52       | 31.4  | 21.4  | 32.0   |

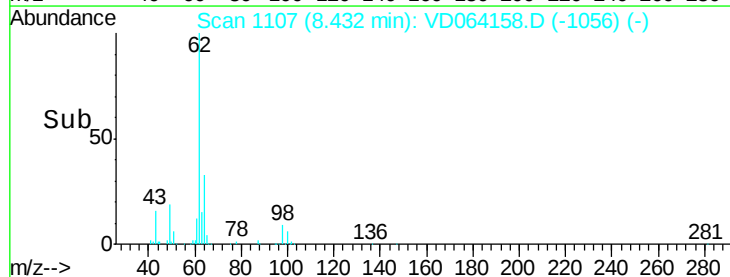
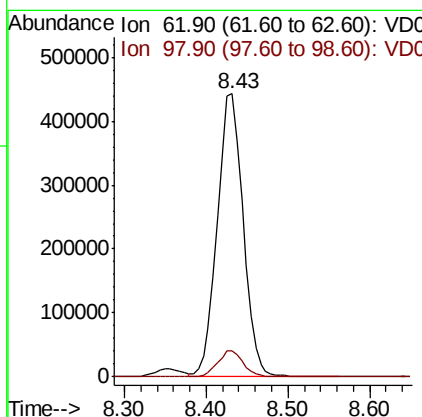
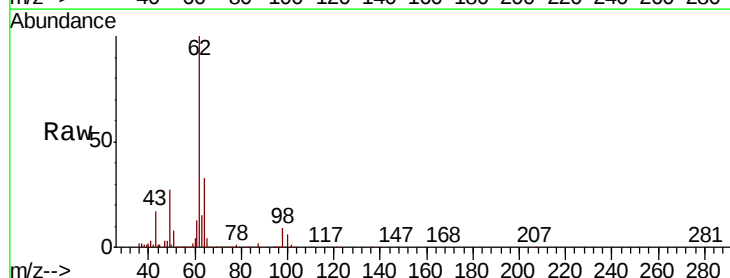
Manual Integrations  
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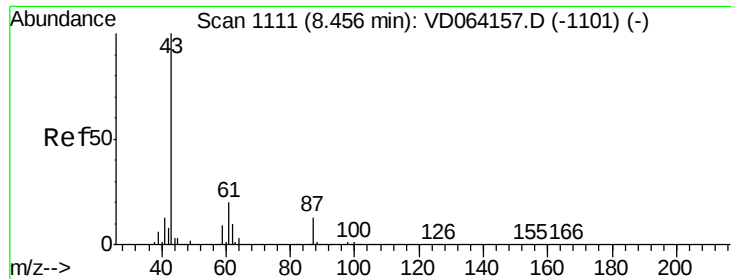
MMDadoda  
11/13/2019 11:14:47 AM



#42  
1,2-Dichloroethane  
Concen: 107.812 ug/l  
RT: 8.43 min Scan# 1107  
Delta R.T. -0.00 min  
Lab File: VD064158.D  
Acq: 08 Nov 2019 15:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 979872 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 9.2   | 0.0   | 19.0   |





#43

Isopropyl Acetate

Concen: 126.674 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1042165

Ion Ratio Lower Upper

43 100

61 28.5 22.9 34.3

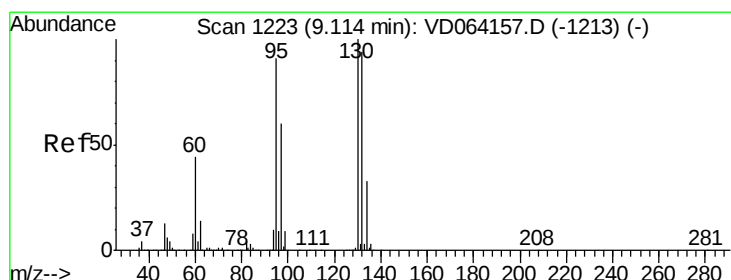
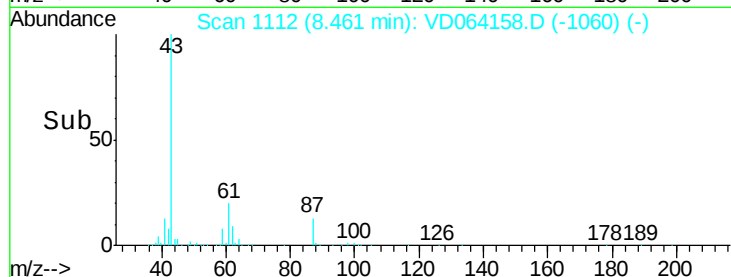
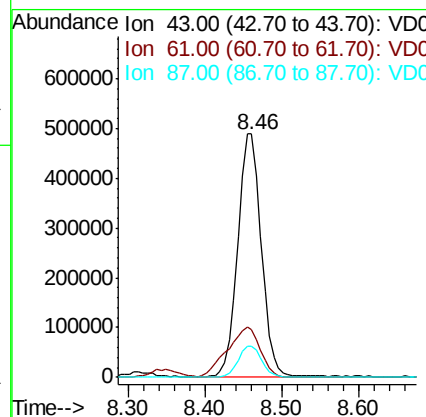
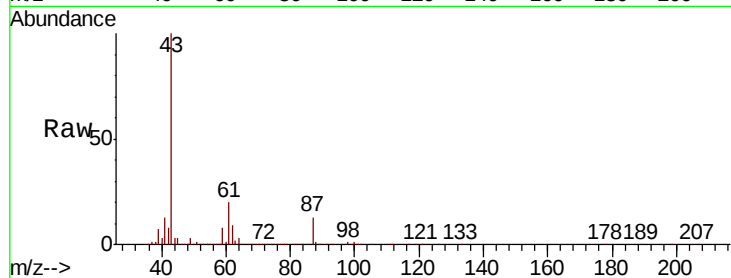
87 13.0 10.2 15.2

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#44

Trichloroethene

Concen: 95.559 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064158.D

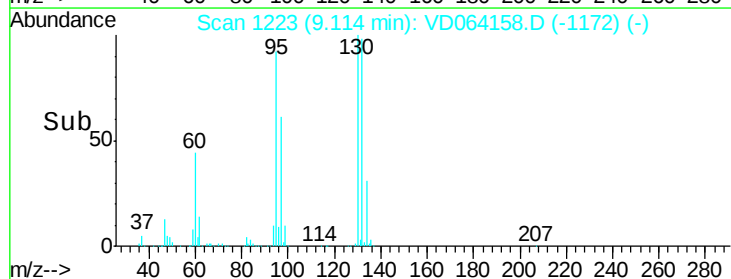
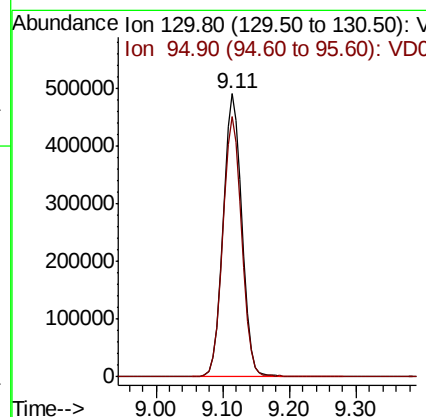
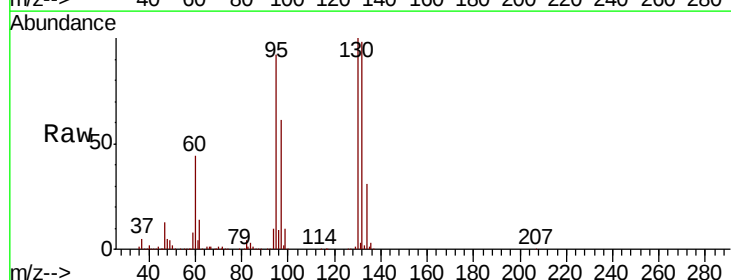
Acq: 08 Nov 2019 15:30

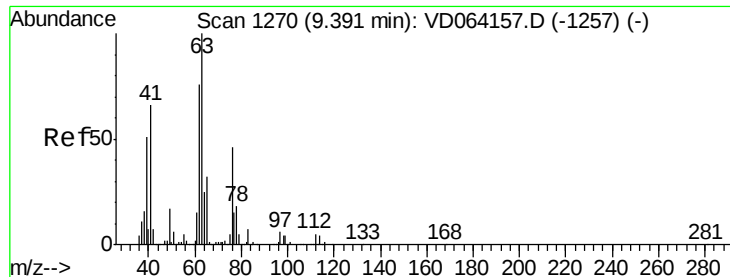
Tgt Ion: 130 Resp: 975659

Ion Ratio Lower Upper

130 100

95 91.9 0.0 181.6





#45

1,2-Dichloropropane

Concen: 99.831 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 791255

Ion Ratio Lower Upper

63 100

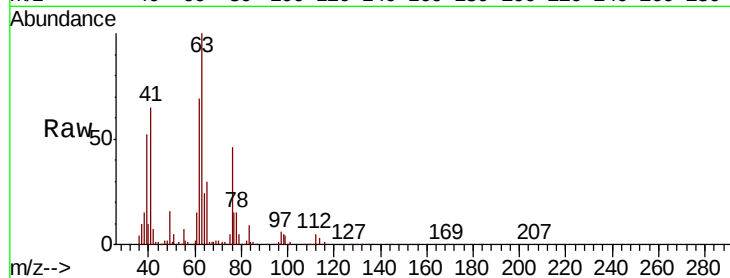
65 30.1 25.7 38.5

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

400000

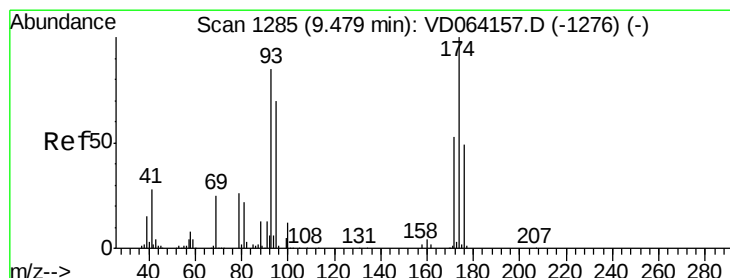
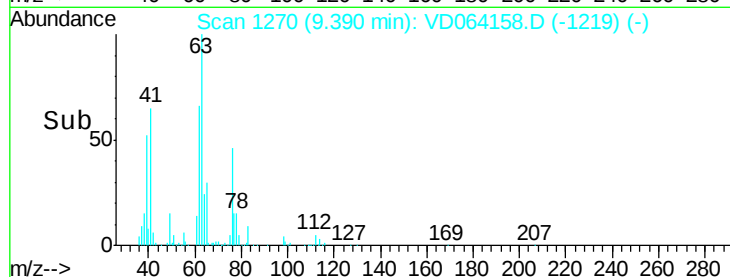
300000

200000

100000

0

Time-->



#46

Dibromomethane

Concen: 91.263 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

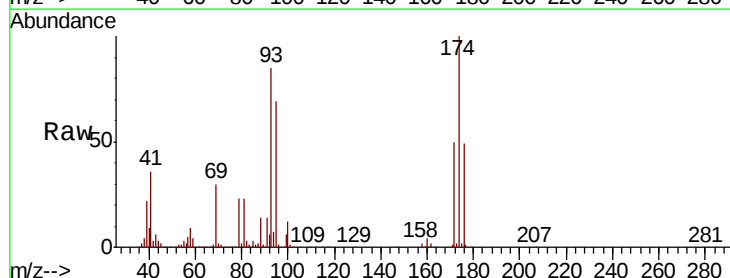
Tgt Ion: 93 Resp: 424655

Ion Ratio Lower Upper

93 100

95 82.1 65.5 98.3

174 118.8 93.9 140.9



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

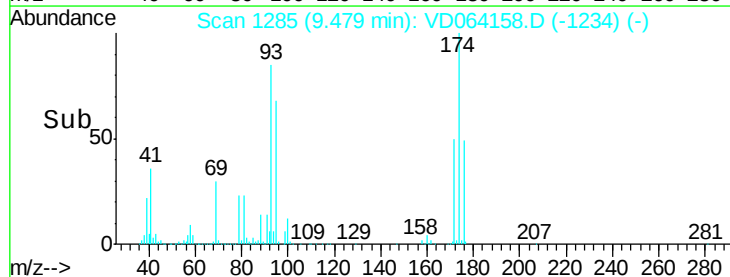
300000

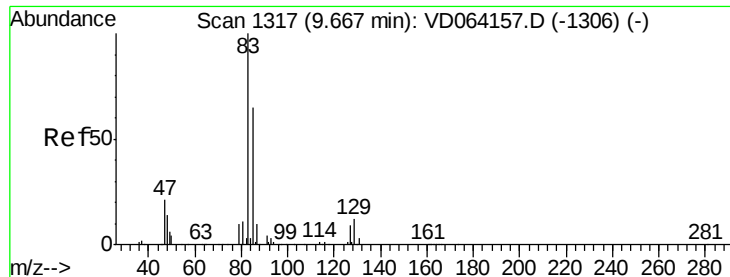
200000

100000

0

Time-->





#47

Bromodichloromethane

Concen: 96.356 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

Instrument :

MSVOA\_D

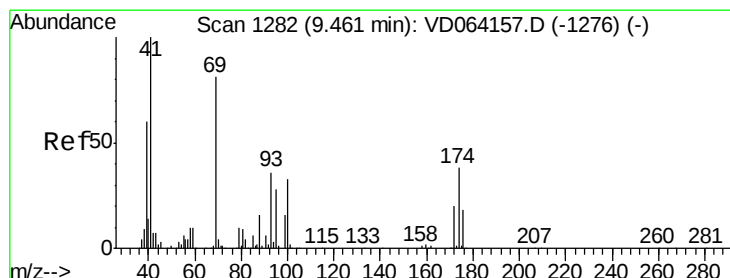
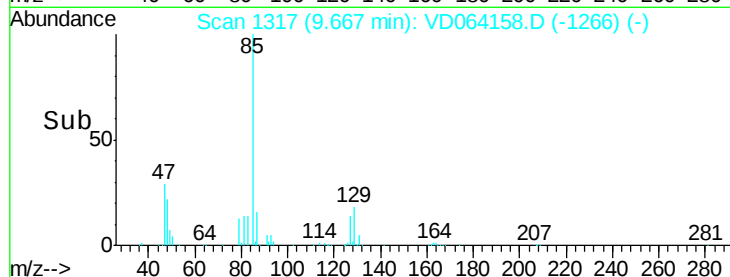
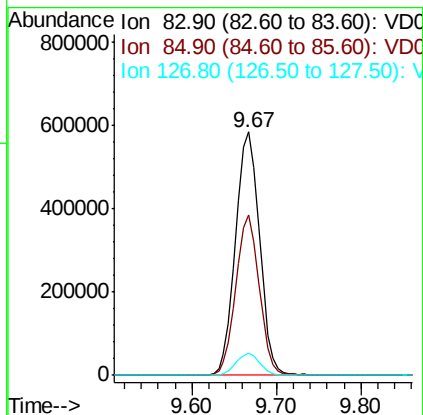
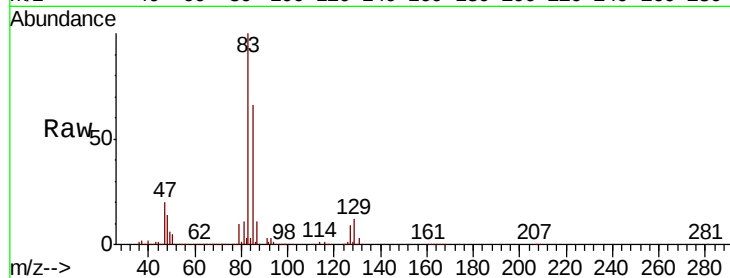
ClientSampleId :

VSTDIC100

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 83    | Resp: | 1141241 |
| Ion      | Ratio | Lower | Upper   |
| 83       | 100   |       |         |
| 85       | 65.8  | 52.2  | 78.4    |
| 127      | 9.0   | 7.5   | 11.3    |

Manual Integrations  
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#48

Methyl methacrylate

Concen: 128.385 ug/l

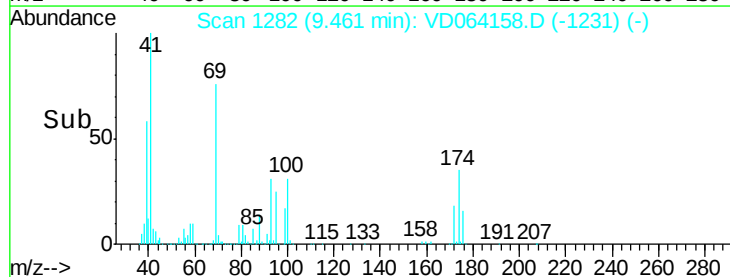
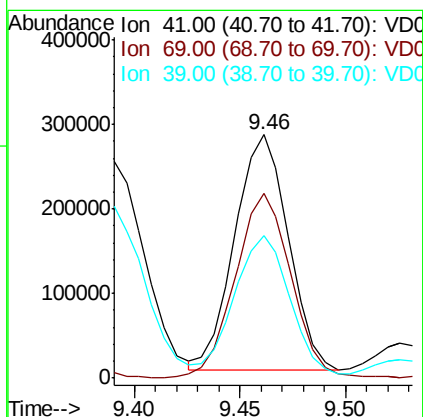
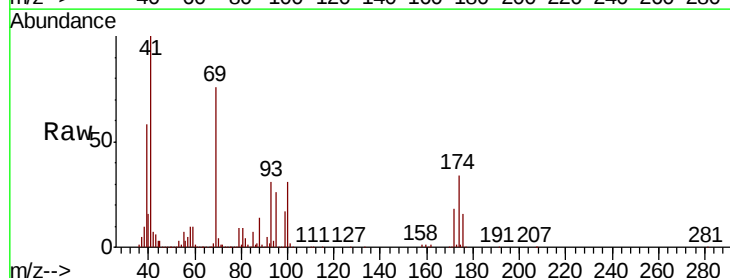
RT: 9.46 min Scan# 1282

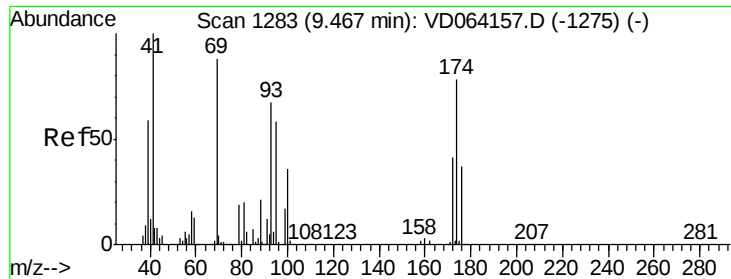
Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 490167 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 69       | 80.7  | 64.6  | 97.0   |
| 39       | 59.8  | 48.2  | 72.2   |





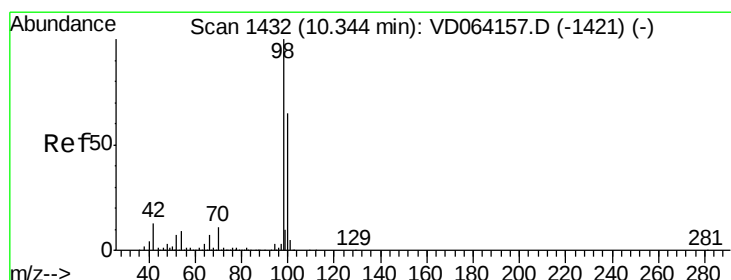
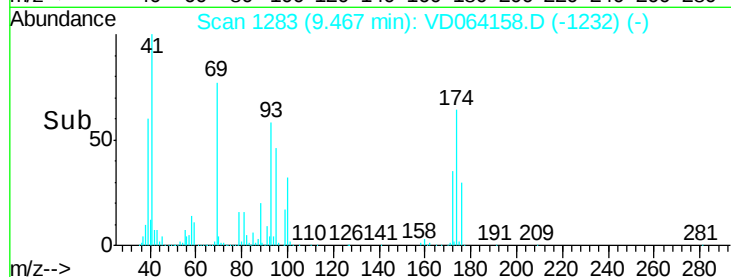
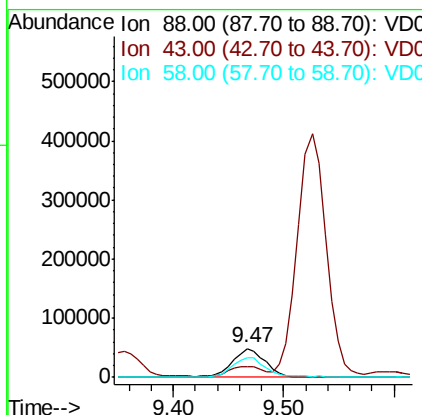
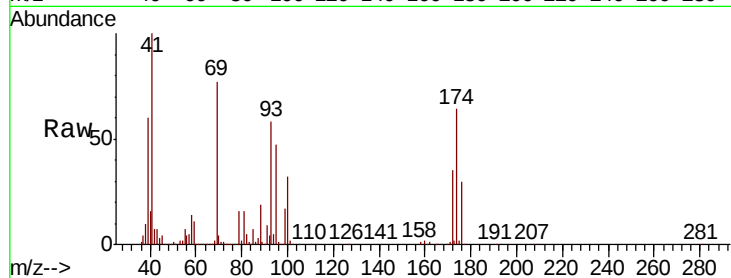
#49  
1,4-Dioxane  
Concen: 1927.015 ug/l  
RT: 9.47 min Scan# 1283  
Delta R.T. -0.00 min  
Lab File: VD064158.D  
Acq: 08 Nov 2019 15:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 39.7  | 29.8  | 44.8  |
| 58      | 74.2  | 58.1  | 87.1  |

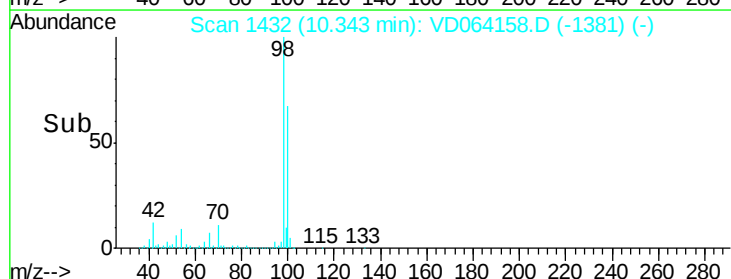
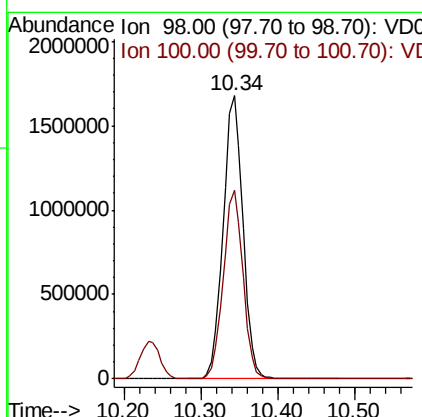
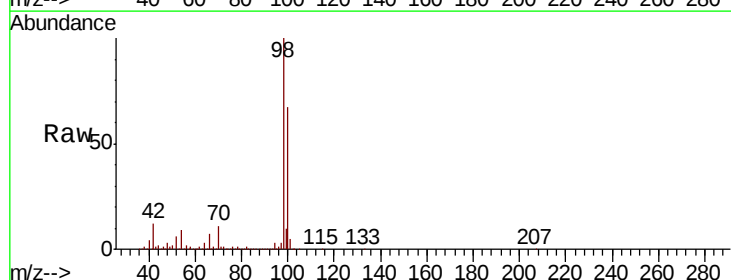
Manual Integrations  
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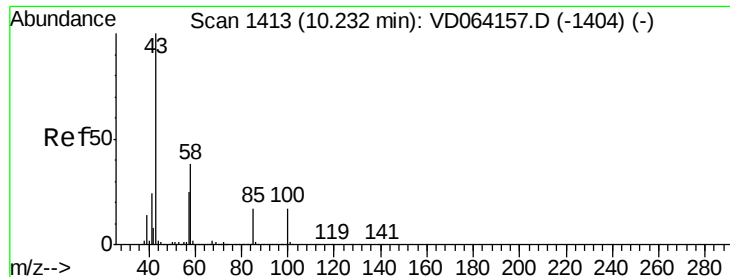
MMDadoda  
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#50  
Toluene-d8  
Concen: 92.968 ug/l  
RT: 10.34 min Scan# 1432  
Delta R.T. -0.00 min  
Lab File: VD064158.D  
Acq: 08 Nov 2019 15:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 66.0  | 52.6  | 78.8  |





#51

4-Methyl-2-Pentanone

Concen: 576.216 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2490743

Ion Ratio Lower Upper

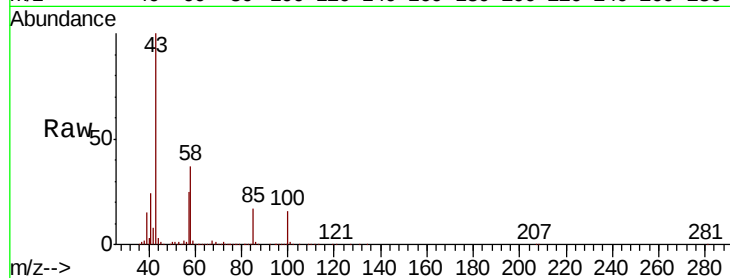
43 100

58 37.6 30.2 45.4

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

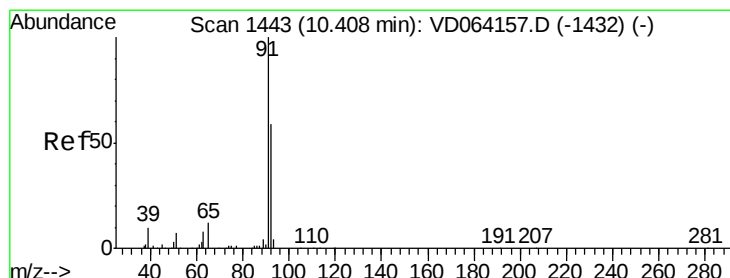
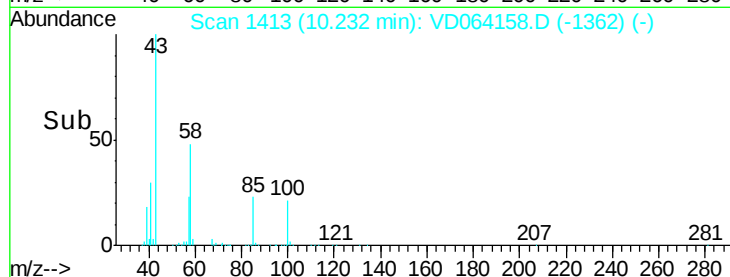
1500000

1000000

500000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 92.895 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD064158.D

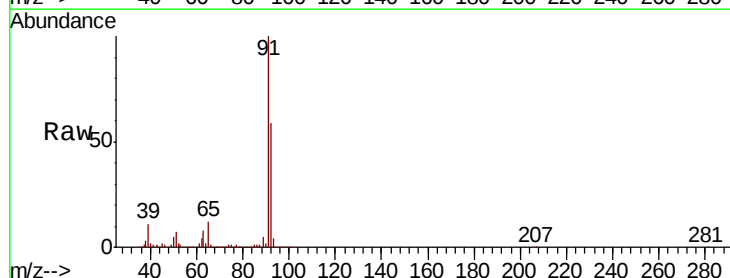
Acq: 08 Nov 2019 15:30

Tgt Ion: 92 Resp: 2171090

Ion Ratio Lower Upper

92 100

91 169.5 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

2000000

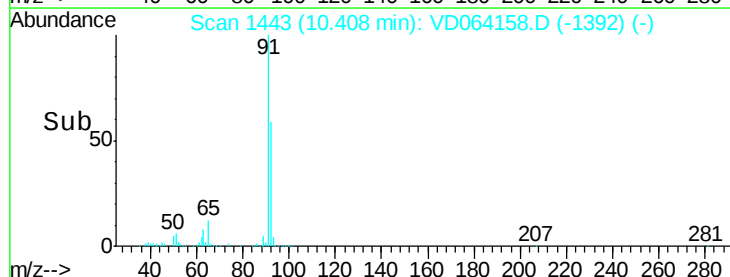
1500000

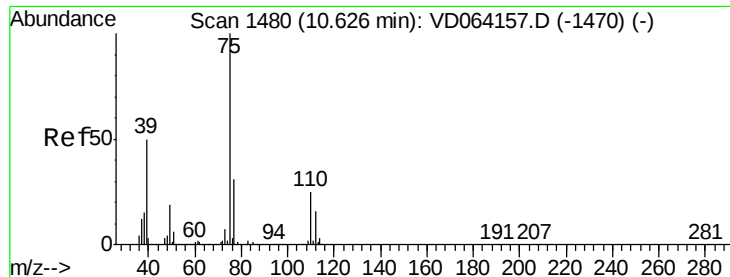
1000000

500000

0

Time--> 10.30 10.40 10.50 10.60





#53

t-1,3-Dichloropropene

Concen: 104.229 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 1161209

Ion Ratio Lower Upper

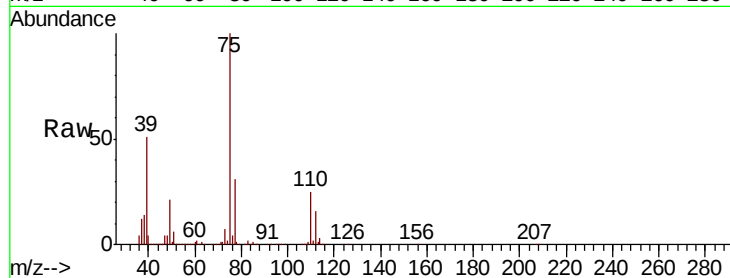
75 100

77 31.4 24.7 37.1

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Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

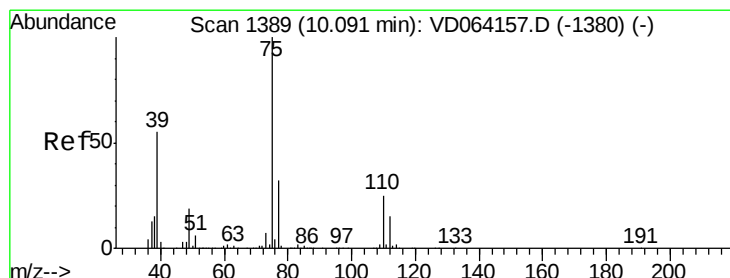
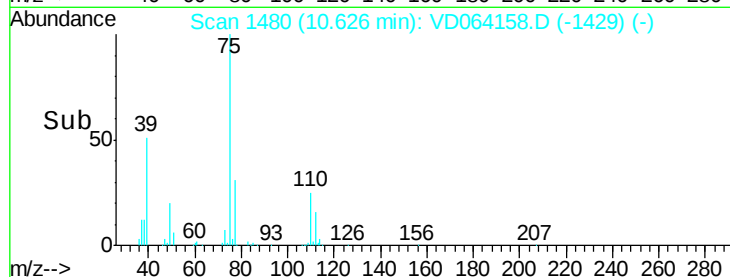
600000

400000

200000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 102.647 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

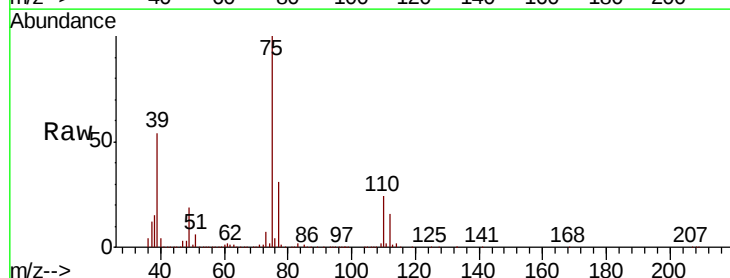
Tgt Ion: 75 Resp: 1349663

Ion Ratio Lower Upper

75 100

77 30.9 25.2 37.8

39 54.4 44.2 66.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

10.09

1000000

800000

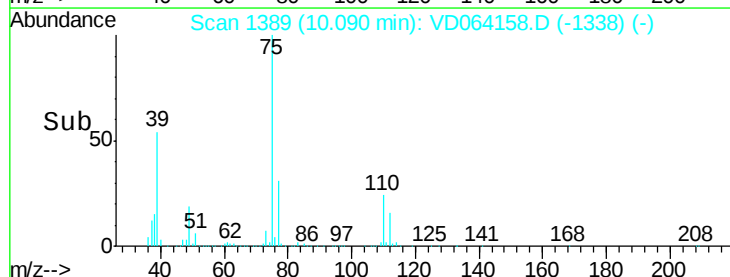
600000

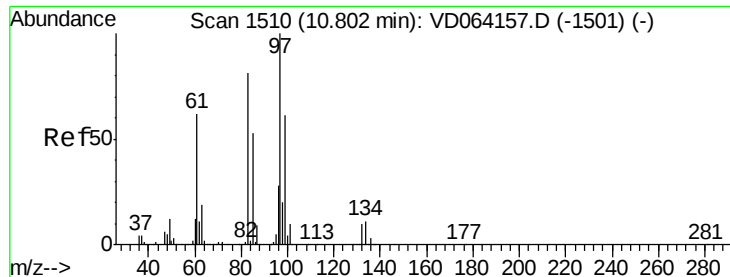
400000

200000

0

Time--> 10.00 10.10 10.20





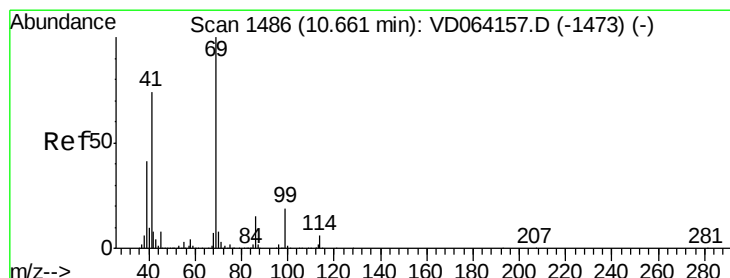
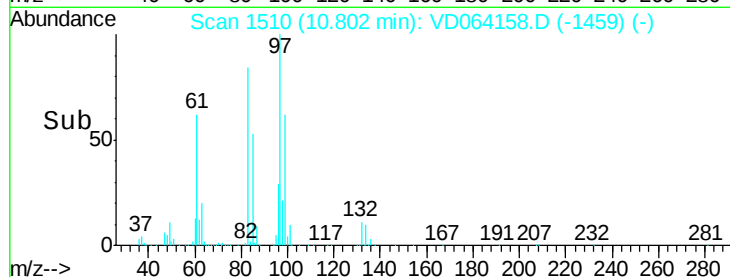
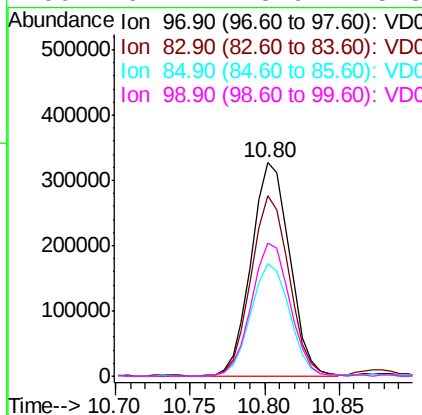
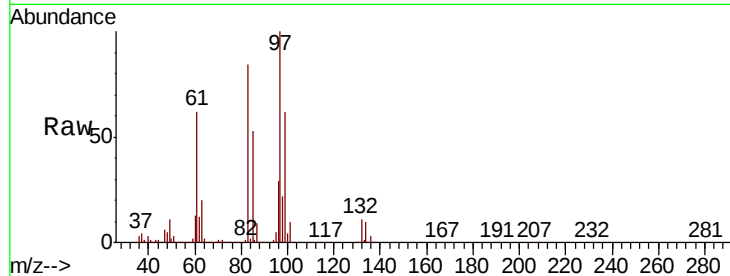
#55  
 1,1,2-Trichloroethane  
 Concen: 89.077 ug/l  
 RT: 10.80 min Scan# 1510  
 Delta R.T. -0.00 min  
 Lab File: VD064158.D  
 Acq: 08 Nov 2019 15:30

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC100

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 582419 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 84.3  | 65.1  | 97.7   |
| 85       | 52.9  | 42.0  | 63.0   |
| 99       | 62.1  | 48.9  | 73.3   |

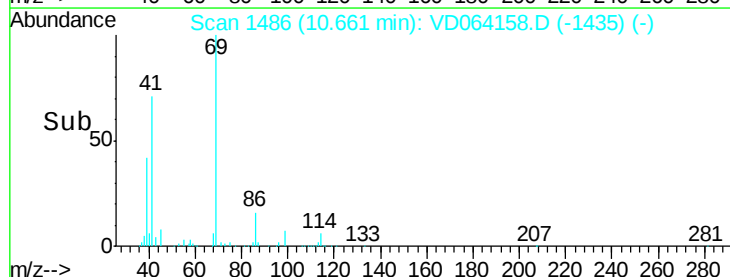
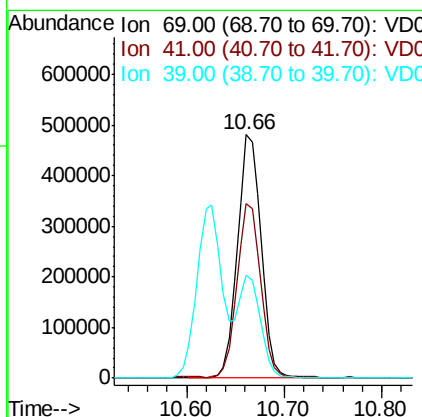
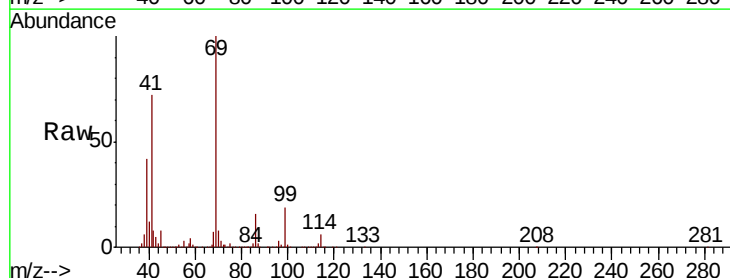
Manual Integrations  
 APPROVED

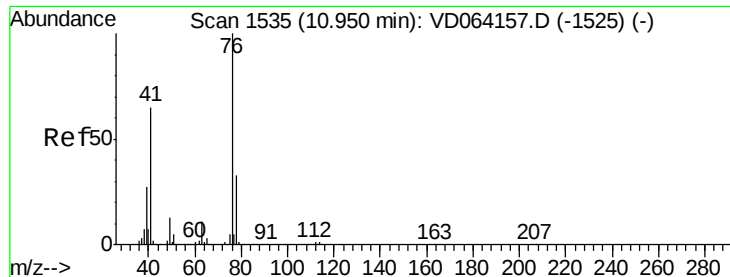
MMDadoda  
 11/13/2019 11:14:47 AM



#56  
 Ethyl methacrylate  
 Concen: 109.709 ug/l  
 RT: 10.66 min Scan# 1486  
 Delta R.T. -0.00 min  
 Lab File: VD064158.D  
 Acq: 08 Nov 2019 15:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 808397 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 70.9  | 57.9  | 86.9   |
| 39       | 36.7  | 29.0  | 43.4   |





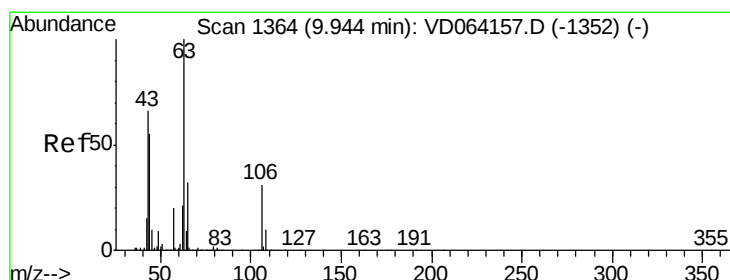
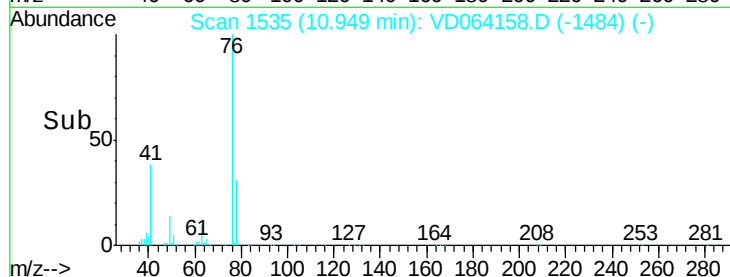
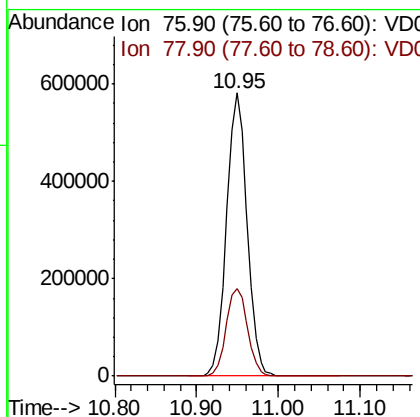
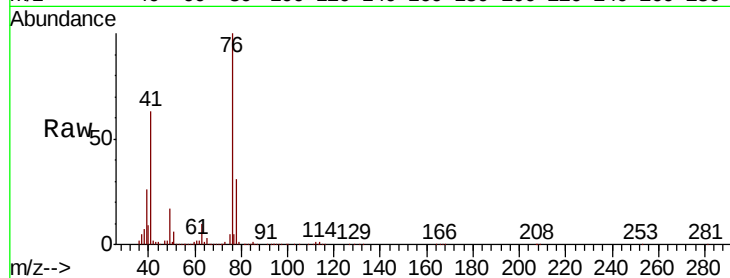
#57  
 1,3-Dichloropropane  
 Concen: 93.053 ug/l  
 RT: 10.95 min Scan# 1535  
 Delta R.T. -0.00 min  
 Lab File: VD064158.D  
 Acq: 08 Nov 2019 15:30

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC100

Tot Ion: 76 Resp: 1015017  
 Ion Ratio Lower Upper  
 76 100  
 78 32.2 26.2 39.4

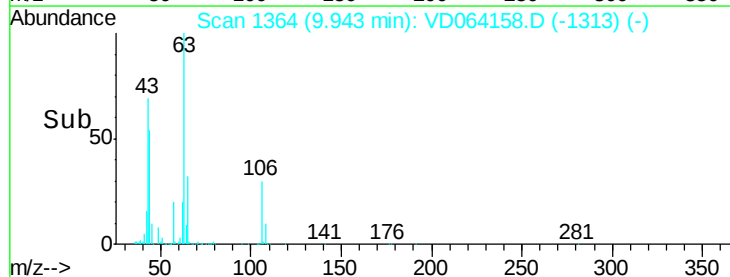
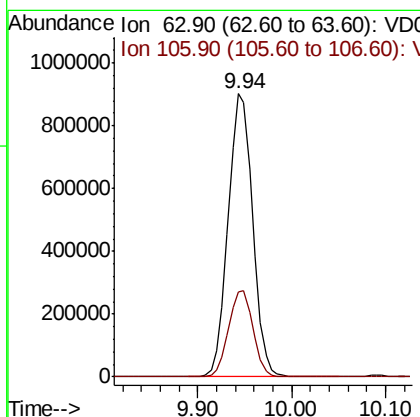
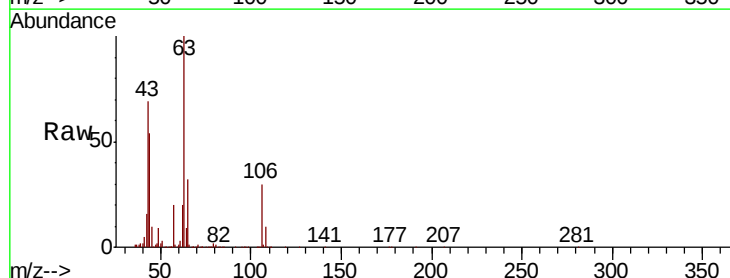
Manual Integrations  
 APPROVED

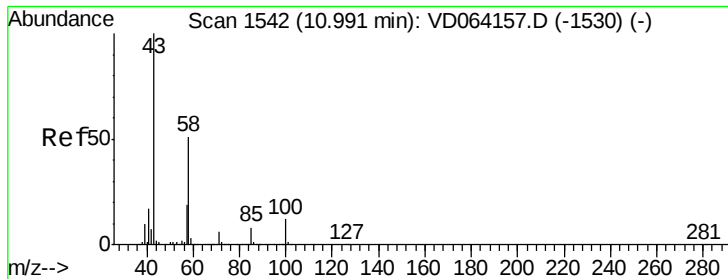
MMDadoda  
 11/13/2019 11:14:47 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 543.797 ug/l  
 RT: 9.94 min Scan# 1364  
 Delta R.T. -0.00 min  
 Lab File: VD064158.D  
 Acq: 08 Nov 2019 15:30

Tgt Ion: 63 Resp: 1636346  
 Ion Ratio Lower Upper  
 63 100  
 106 30.5 24.1 36.1





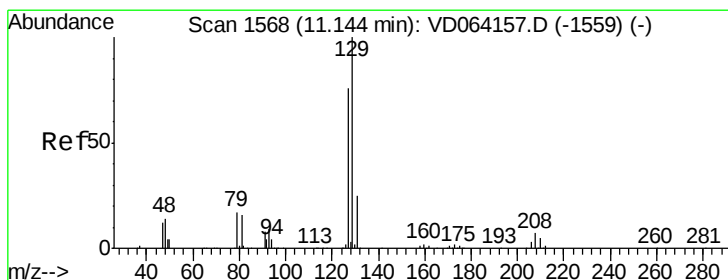
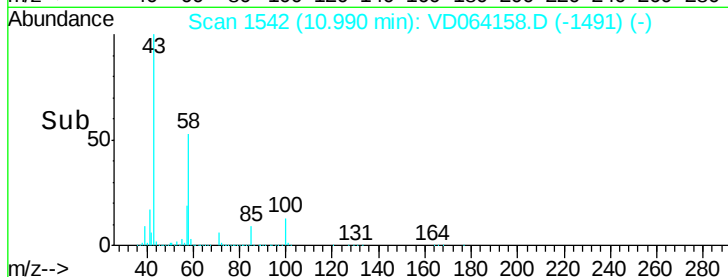
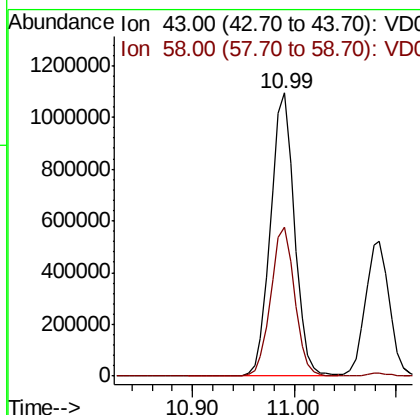
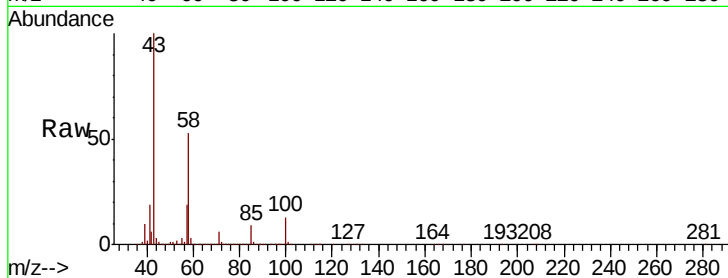
#59  
2-Hexanone  
Concen: 585.765 ug/l  
RT: 10.99 min Scan# 1542  
Delta R.T. -0.00 min  
Lab File: VD064158.D  
Acq: 08 Nov 2019 15:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

Tot Ion: 43 Resp: 1793910  
Ion Ratio Lower Upper  
43 100  
58 52.6 25.9 77.7

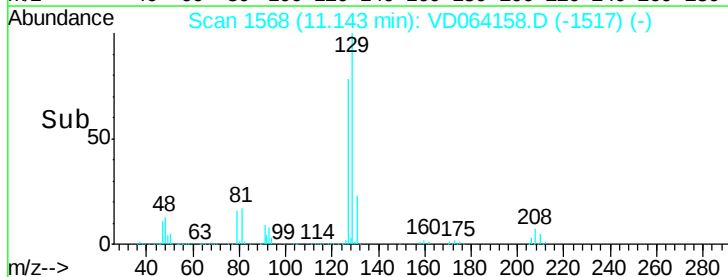
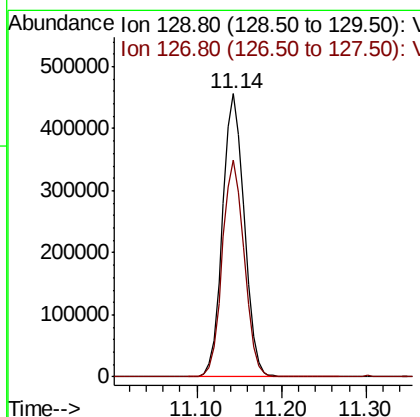
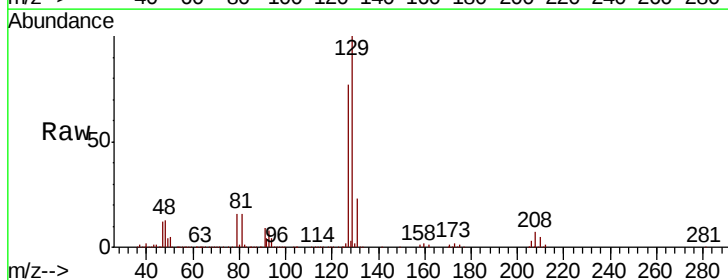
Manual Integrations  
APPROVED

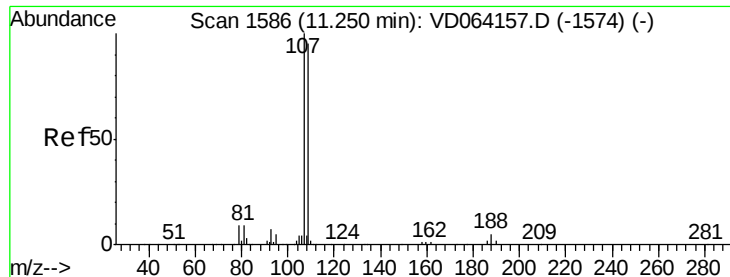
MMDadoda  
11/13/2019 11:14:47 AM



#60  
Dibromochloromethane  
Concen: 91.301 ug/l  
RT: 11.14 min Scan# 1568  
Delta R.T. -0.00 min  
Lab File: VD064158.D  
Acq: 08 Nov 2019 15:30

Tgt Ion: 129 Resp: 812197  
Ion Ratio Lower Upper  
129 100  
127 77.2 38.6 115.8





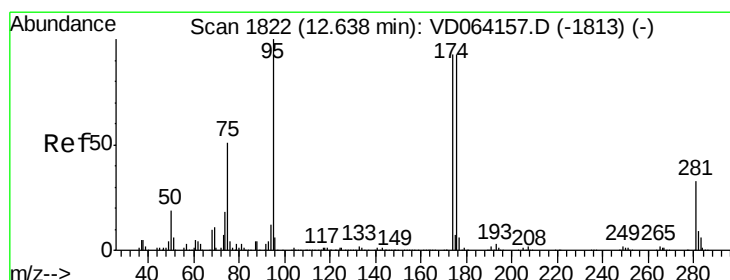
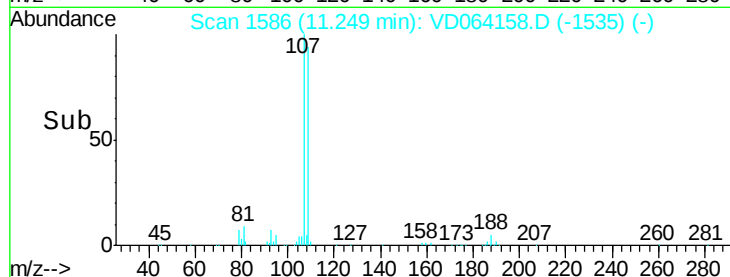
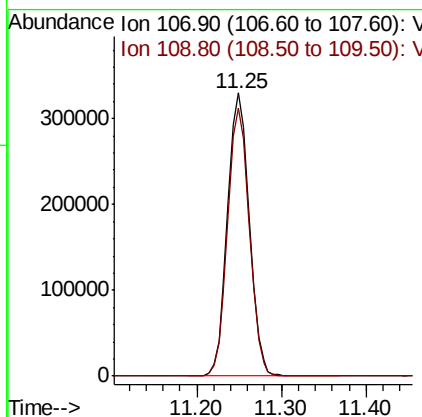
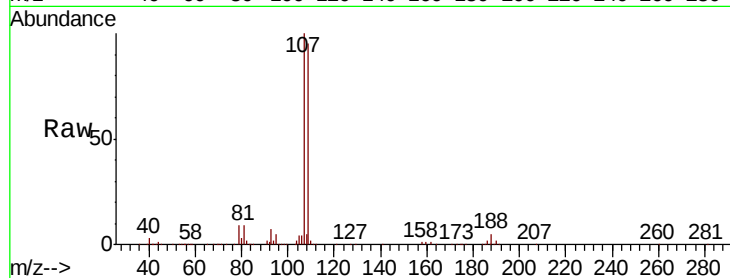
#61  
 1,2-Dibromoethane  
 Concen: 89.857 ug/l  
 RT: 11.25 min Scan# 1586  
 Delta R.T. -0.00 min  
 Lab File: VD064158.D  
 Acq: 08 Nov 2019 15:30

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 94.3  | 75.1  | 112.7 |

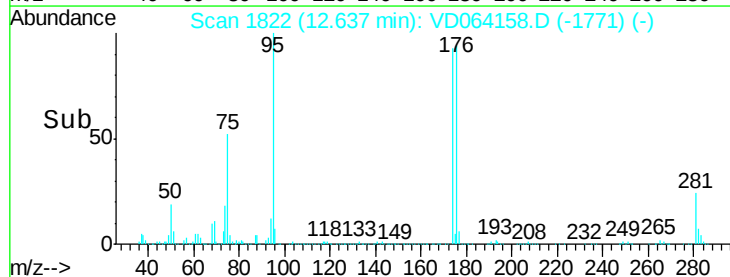
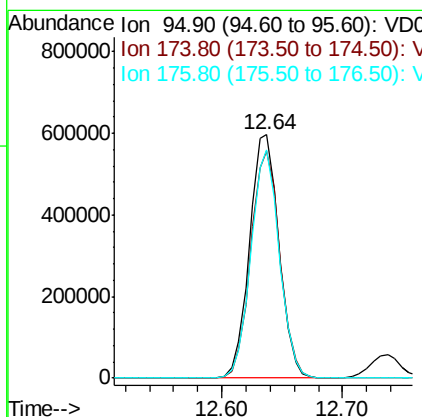
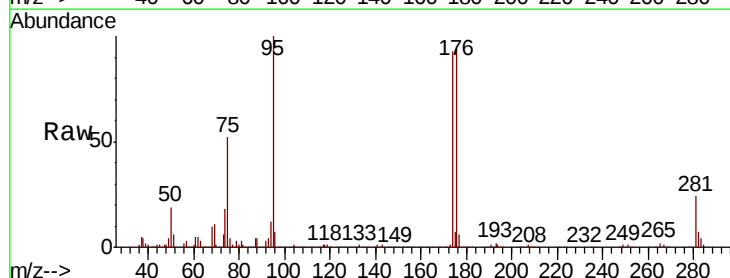
Manual Integrations  
 APPROVED

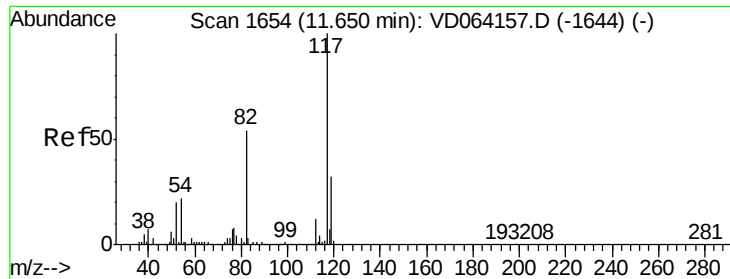
MMDadoda  
 11/13/2019 11:14:47 AM



#62  
 4-Bromofluorobenzene  
 Concen: 94.720 ug/l  
 RT: 12.64 min Scan# 1822  
 Delta R.T. -0.00 min  
 Lab File: VD064158.D  
 Acq: 08 Nov 2019 15:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 92.1  | 0.0   | 183.6 |
| 176     | 90.3  | 0.0   | 180.2 |





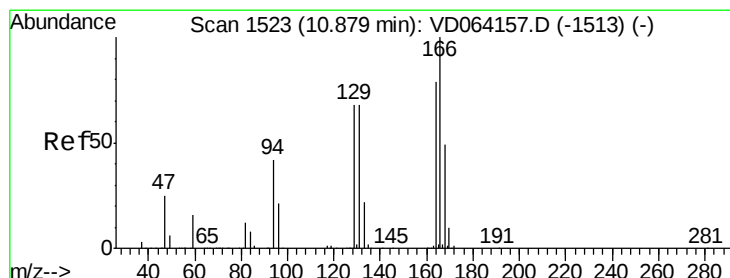
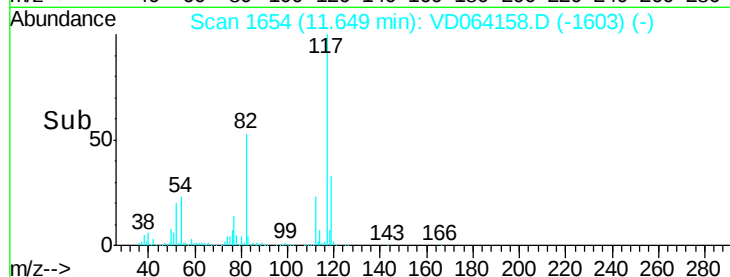
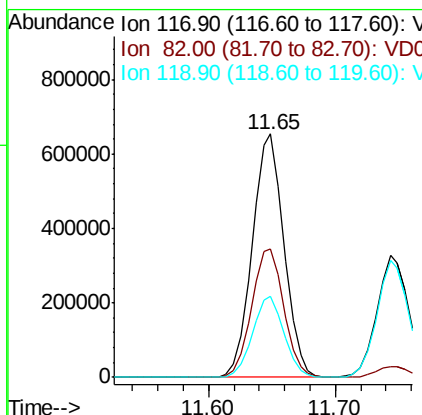
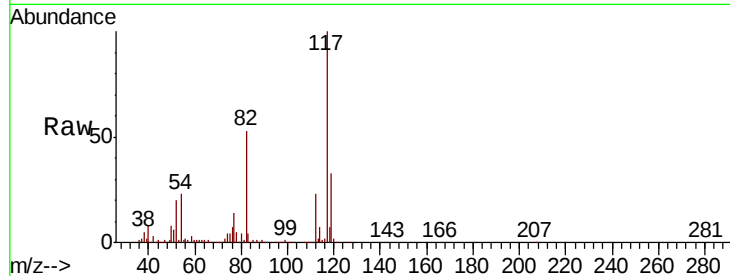
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. -0.00 min  
Lab File: VD064158.D  
Acq: 08 Nov 2019 15:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 52.6  | 42.8  | 64.2  |
| 119     | 33.1  | 25.6  | 38.4  |

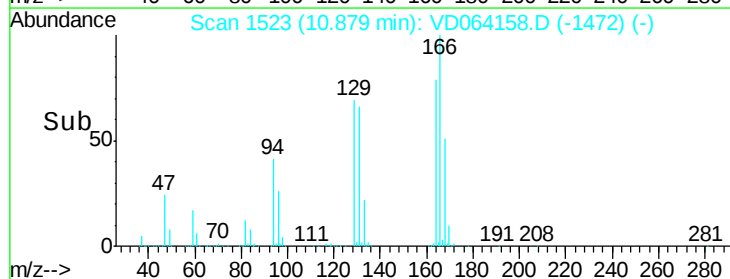
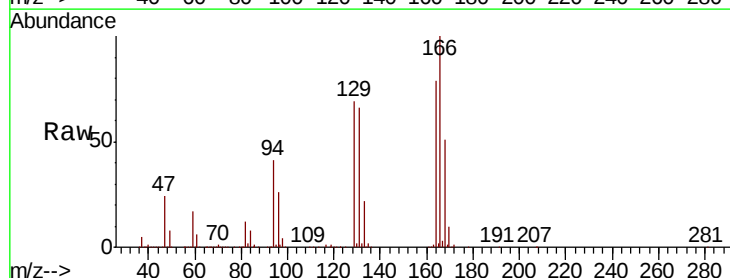
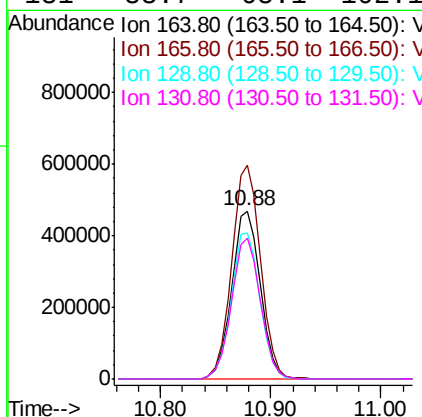
Manual Integrations  
APPROVED

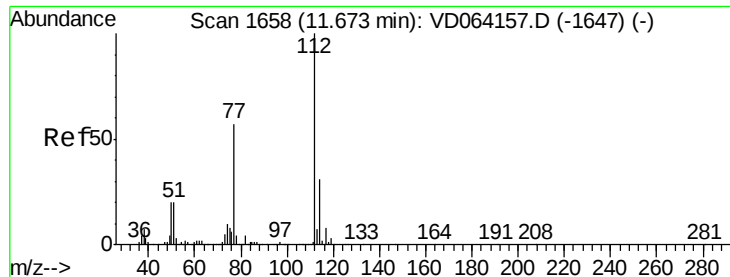
MMDadoda  
11/13/2019 11:14:47 AM



#64  
Tetrachloroethene  
Concen: 102.707 ug/l  
RT: 10.88 min Scan# 1523  
Delta R.T. -0.00 min  
Lab File: VD064158.D  
Acq: 08 Nov 2019 15:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 127.3 | 100.8 | 151.2 |
| 129     | 87.3  | 68.7  | 103.1 |
| 131     | 83.7  | 68.1  | 102.1 |





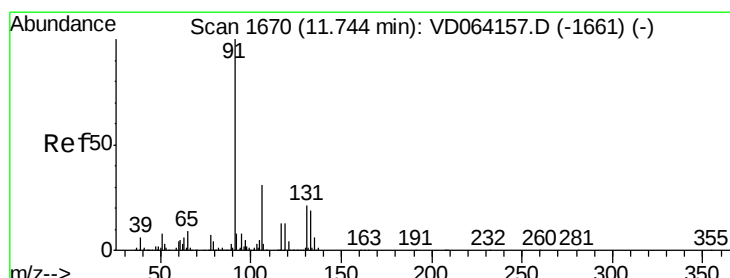
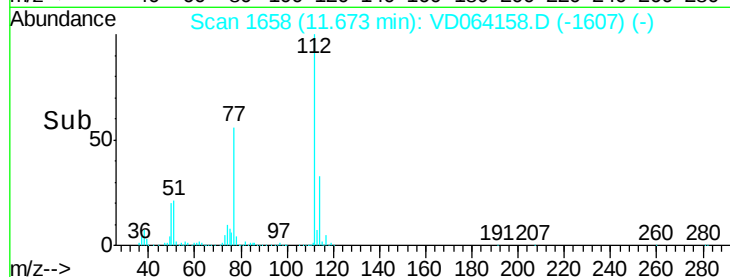
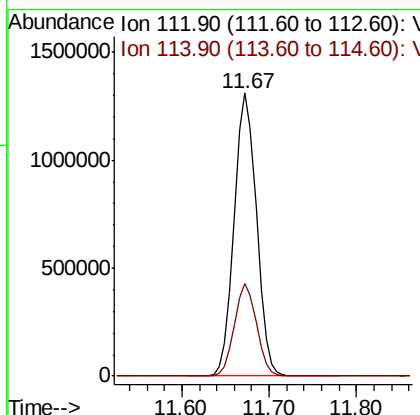
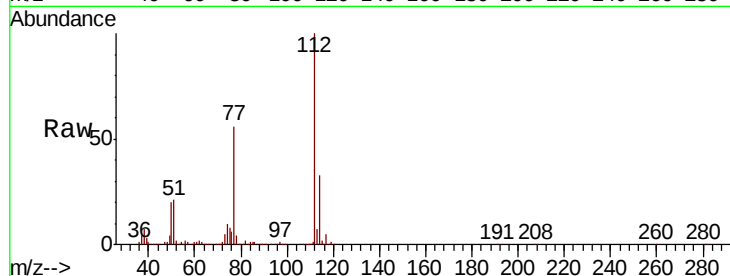
#65  
Chlorobenzene  
Concen: 96.020 ug/l  
RT: 11.67 min Scan# 1658  
Delta R.T. -0.00 min  
Lab File: VD064158.D  
Acq: 08 Nov 2019 15:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC100

Tot Ion:112 Resp: 2259702  
Ion Ratio Lower Upper  
112 100  
114 32.6 25.2 37.8

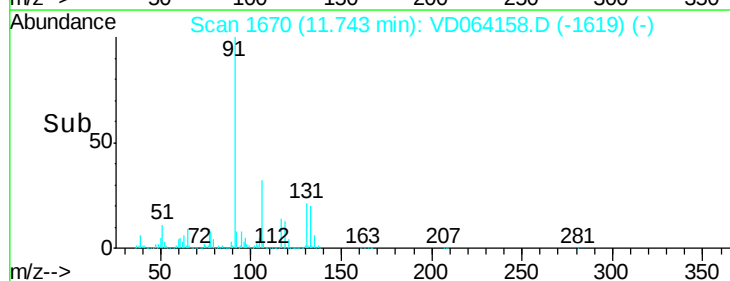
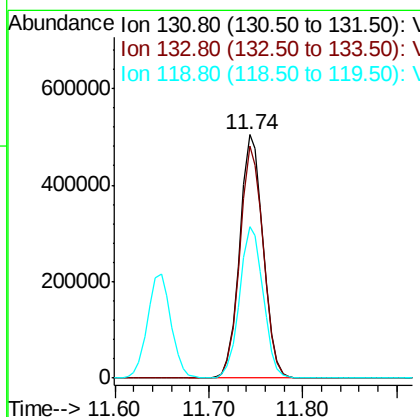
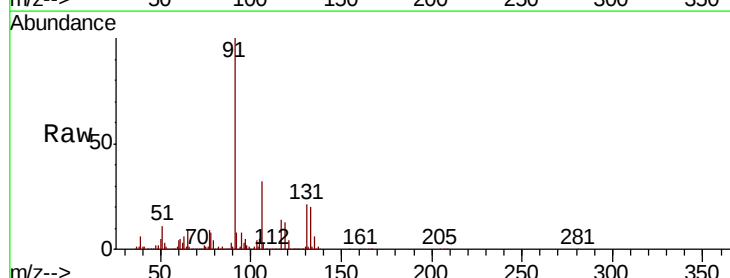
Manual Integrations  
APPROVED

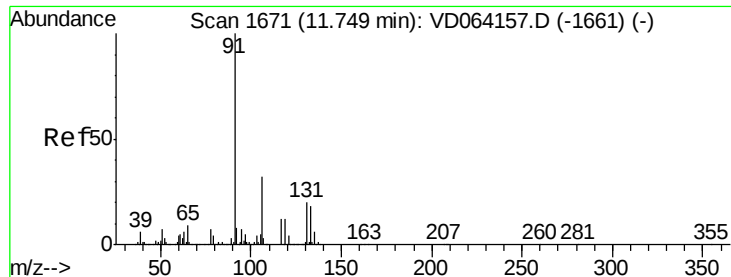
MMDadoda  
11/13/2019 11:14:47 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 98.468 ug/l  
RT: 11.74 min Scan# 1670  
Delta R.T. -0.00 min  
Lab File: VD064158.D  
Acq: 08 Nov 2019 15:30

Tgt Ion:131 Resp: 870398  
Ion Ratio Lower Upper  
131 100  
133 95.5 47.3 141.9  
119 62.7 31.1 93.3





#67

Ethyl Benzene

Concen: 97.445 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 4090873

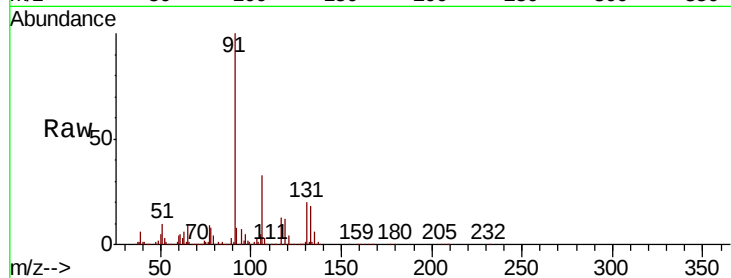
Ion Ratio Lower Upper

91 100

106 32.6 25.5 38.3

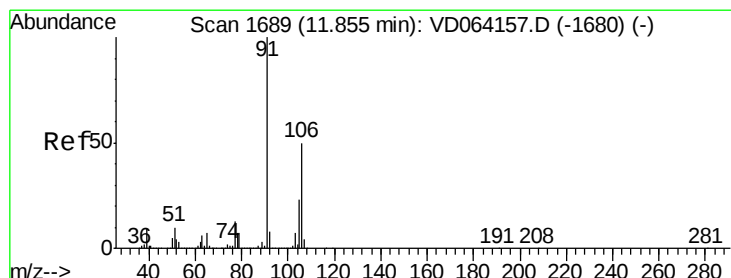
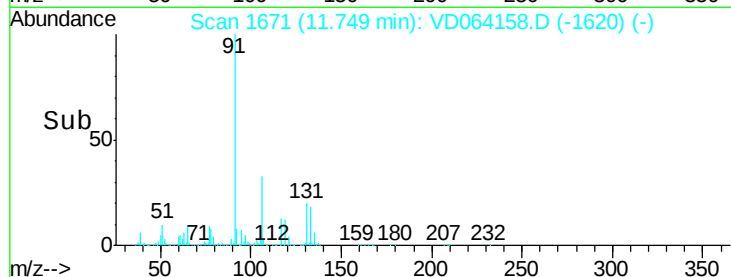
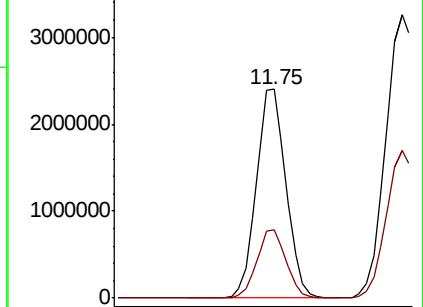
Manual Integrations  
APPROVED

MMDadoda  
11/13/2019 11:14:47 AM



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 191.298 ug/l

RT: 11.85 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064158.D

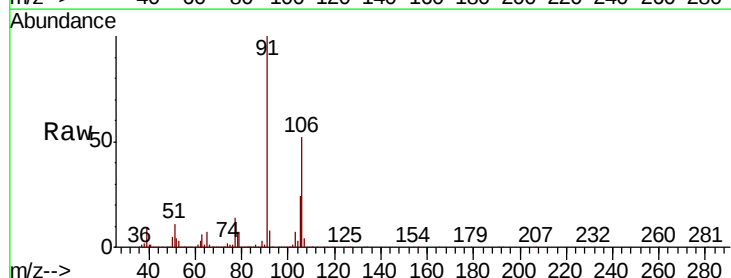
Acq: 08 Nov 2019 15:30

Tgt Ion: 106 Resp: 3201405

Ion Ratio Lower Upper

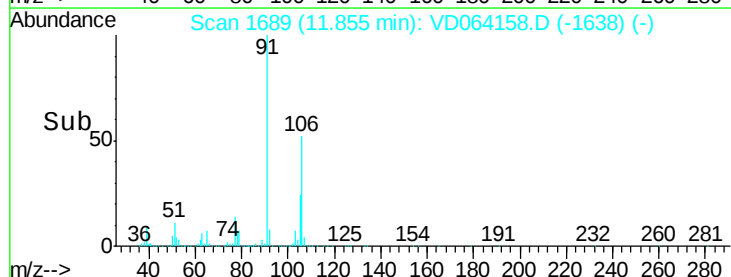
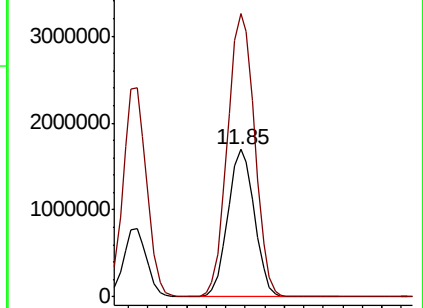
106 100

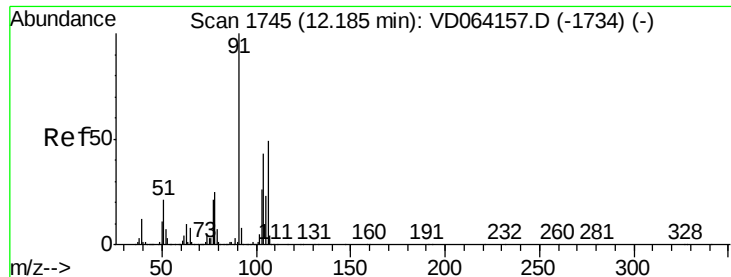
91 196.2 160.3 240.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V





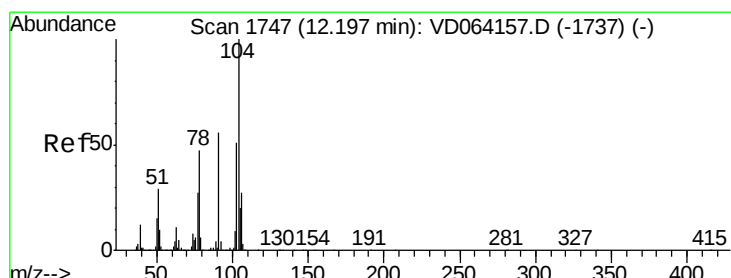
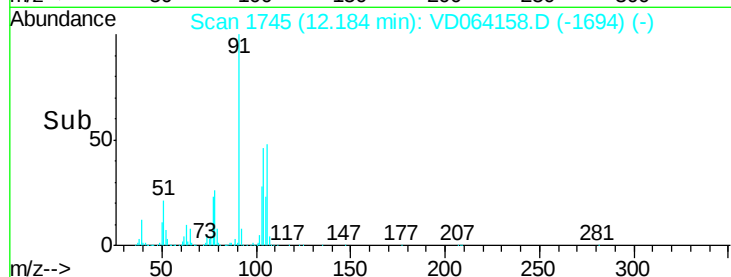
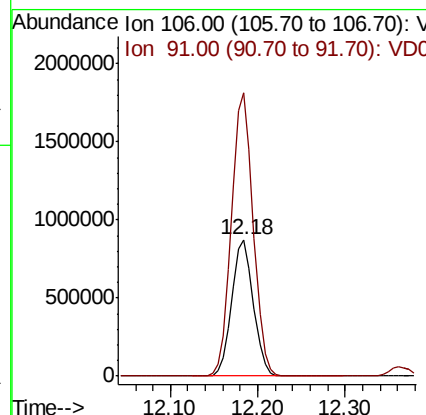
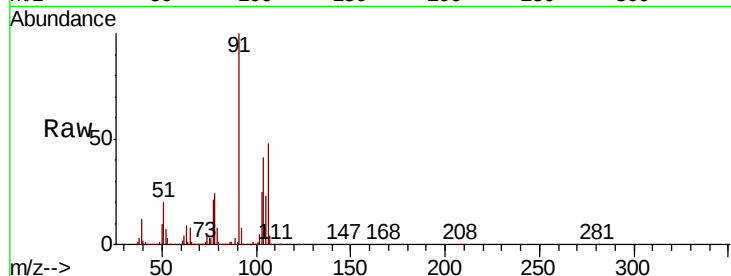
#69  
o-Xylene  
Concen: 95.908 ug/l  
RT: 12.18 min Scan# 1745  
Delta R.T. -0.00 min  
Lab File: VD064158.D  
Acq: 08 Nov 2019 15:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC100

Tot Ion:106 Resp: 1467107  
Ion Ratio Lower Upper  
106 100  
91 209.5 105.1 315.3

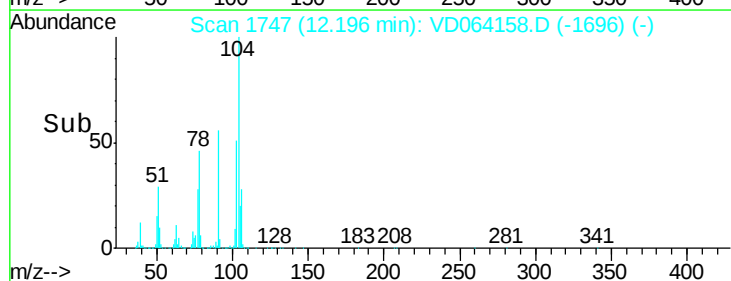
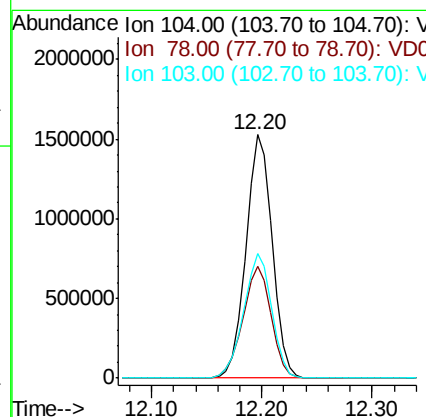
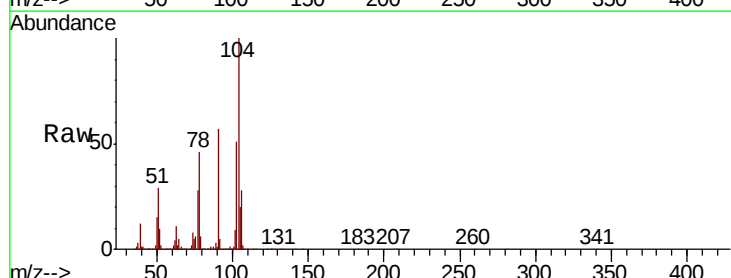
Manual Integrations  
APPROVED

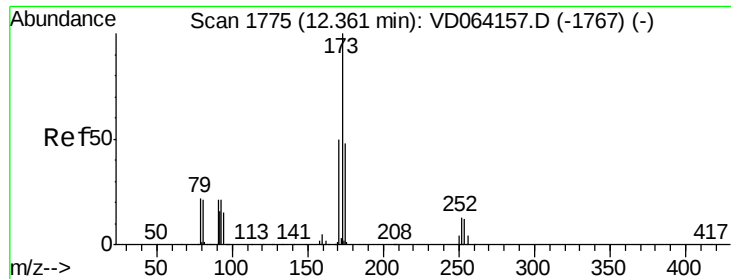
MMDadoda  
11/13/2019 11:14:47 AM



#70  
Styrene  
Concen: 97.102 ug/l  
RT: 12.20 min Scan# 1747  
Delta R.T. -0.00 min  
Lab File: VD064158.D  
Acq: 08 Nov 2019 15:30

Tgt Ion:104 Resp: 2555846  
Ion Ratio Lower Upper  
104 100  
78 49.5 39.9 59.9  
103 54.7 43.4 65.0





#71

Bromoform

Concen: 104.418 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

Instrument :

MSVOA\_D

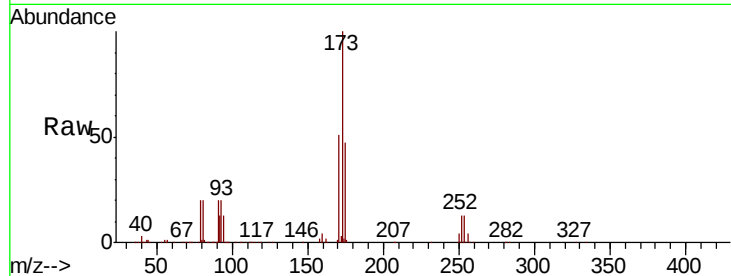
ClientSampleId :

VSTDIC100

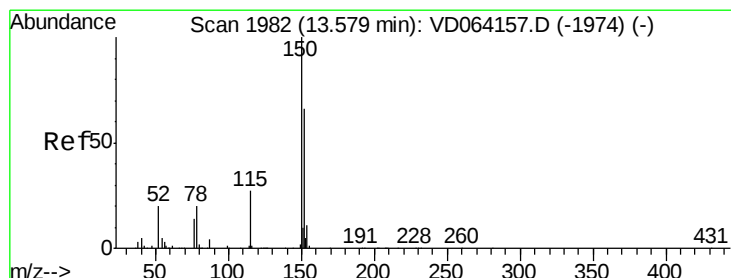
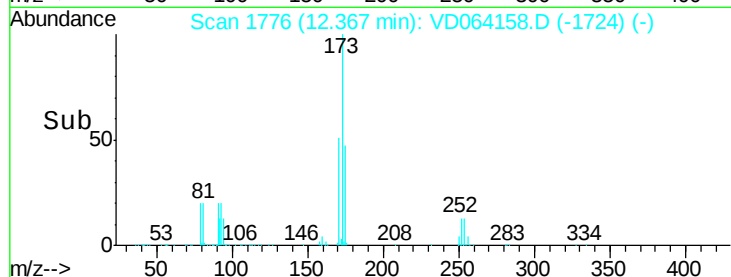
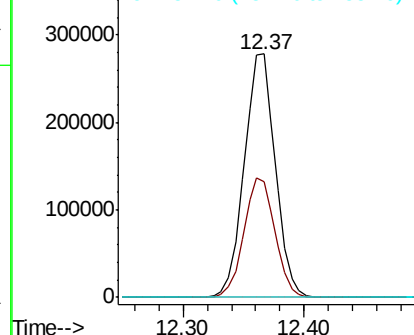
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.9  | 24.1  | 72.3  |
| 254     | 0.1   | 0.2   | 0.2   |

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Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

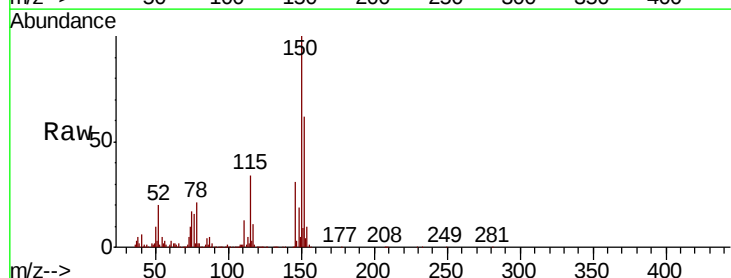
RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

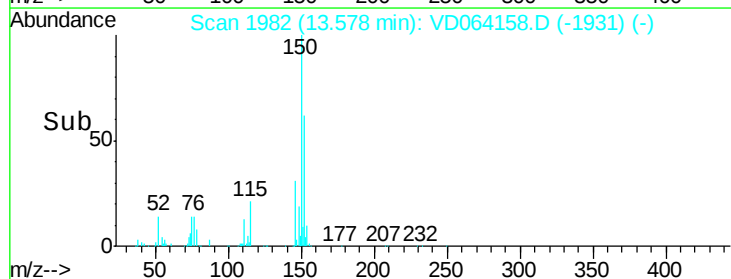
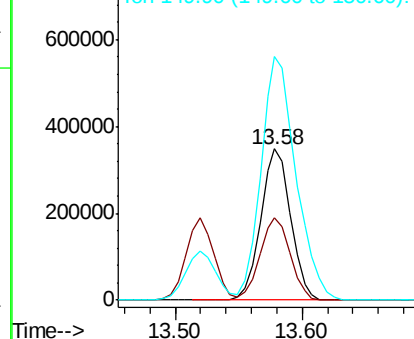
Lab File: VD064158.D

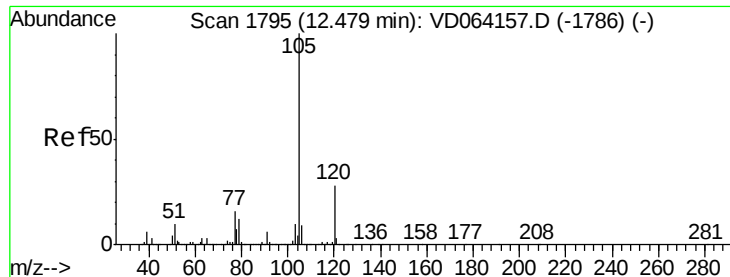
Acq: 08 Nov 2019 15:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 54.6  | 27.4  | 82.2  |
| 150     | 186.9 | 0.0   | 351.6 |



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 99.333 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 4020866

Ion Ratio Lower Upper

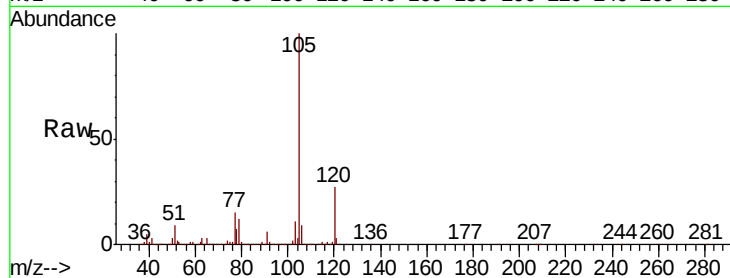
105 100

120 27.3 13.6 40.8

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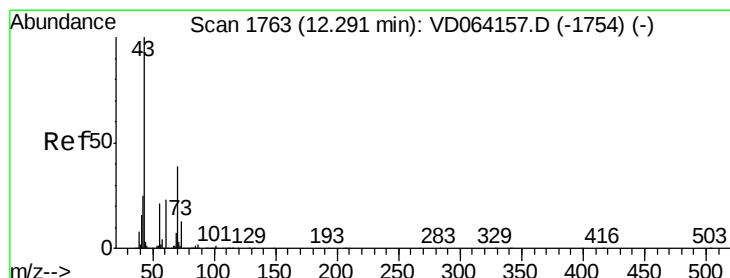
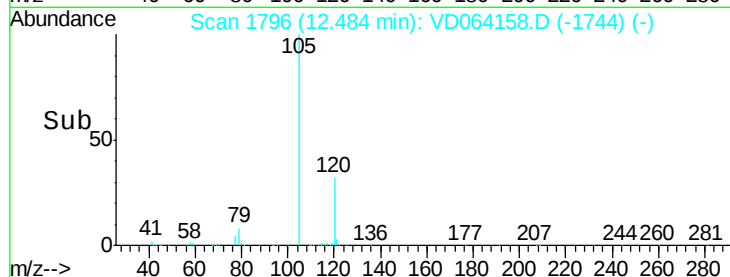
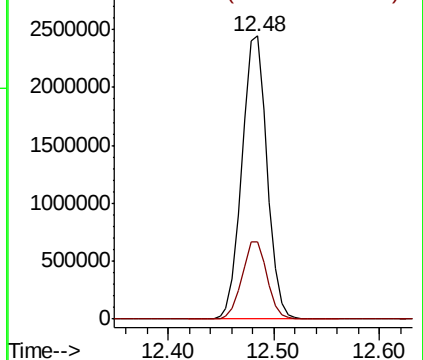
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 131.382 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

Tgt Ion: 43 Resp: 942106

Ion Ratio Lower Upper

43 100

70 40.9 32.4 48.6

55 21.8 17.9 26.9

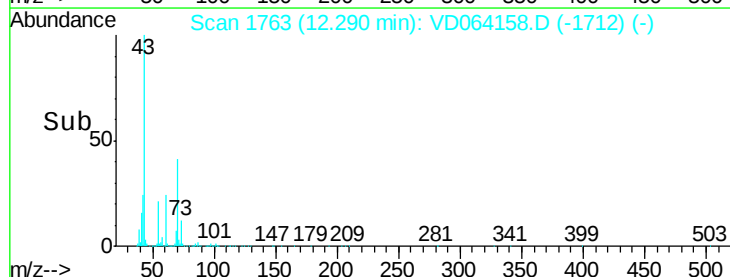
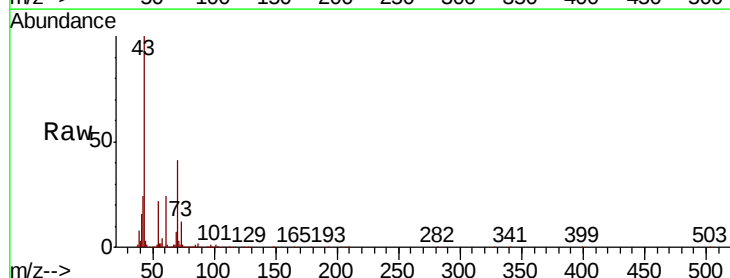
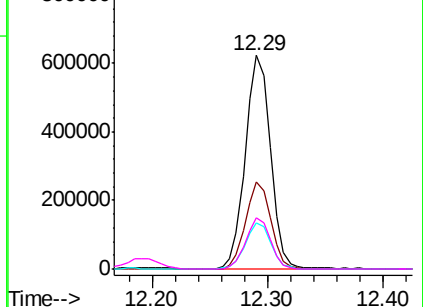
61 23.6 19.0 28.4

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: 95.373 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

Instrument :

MSVOA\_D

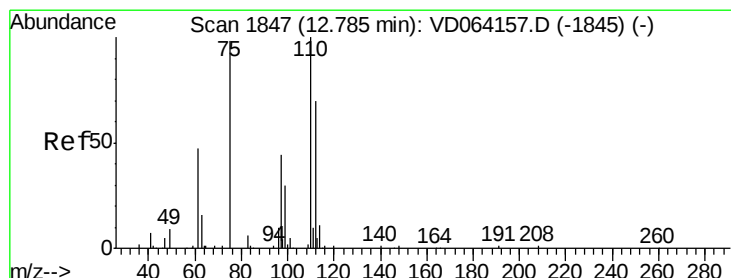
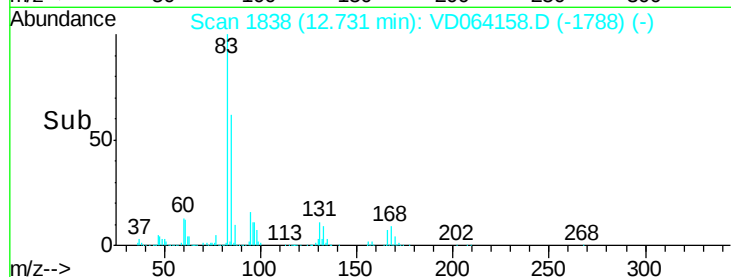
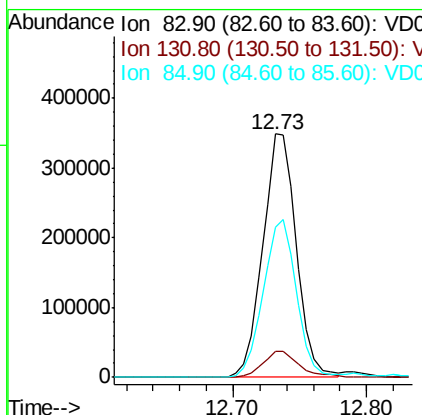
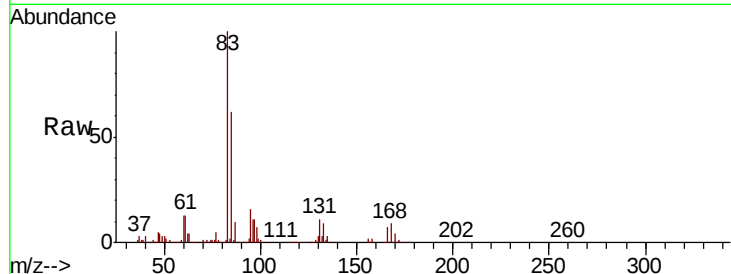
ClientSampleId :

VSTDIC100

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 605161 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 131      | 11.7  | 5.9   | 17.7   |
| 85       | 64.4  | 32.5  | 97.5   |

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#76

1,2,3-Trichloropropane

Concen: 116.230 ug/l m

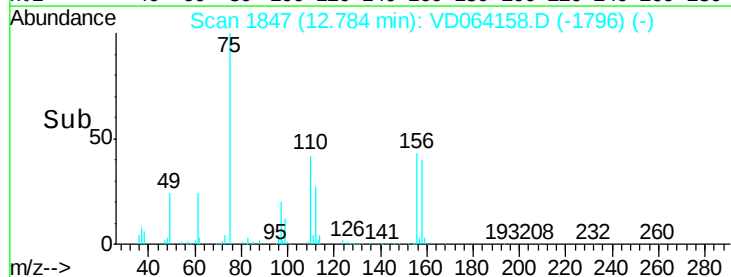
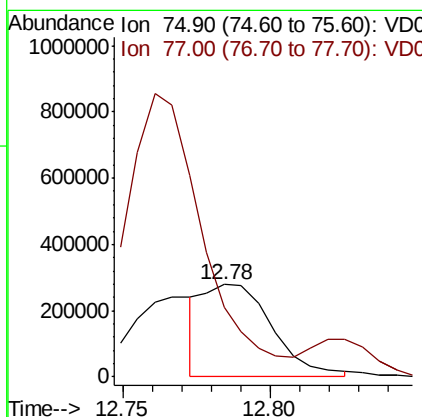
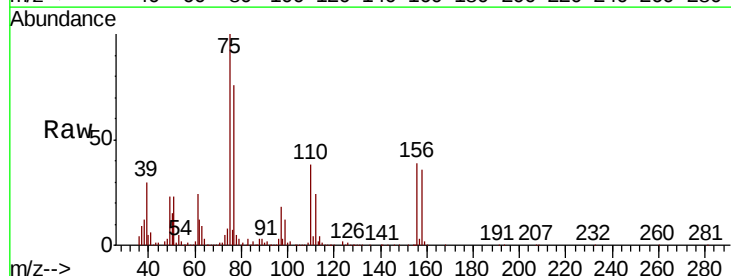
RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 460970 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 77       | 0.0   | 0.0   | 0.0    |





#77

Bromobenzene

Concen: 99.482 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

Instrument :

MSVOA\_D

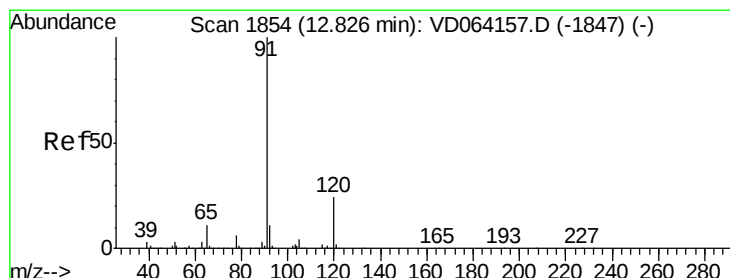
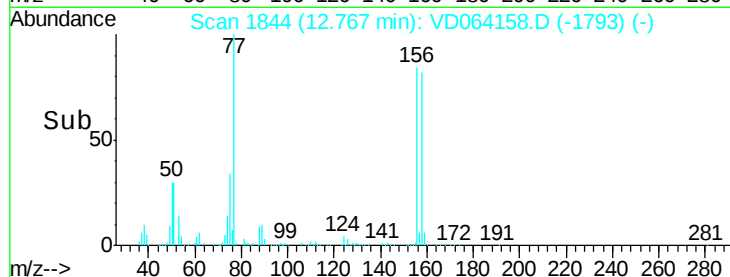
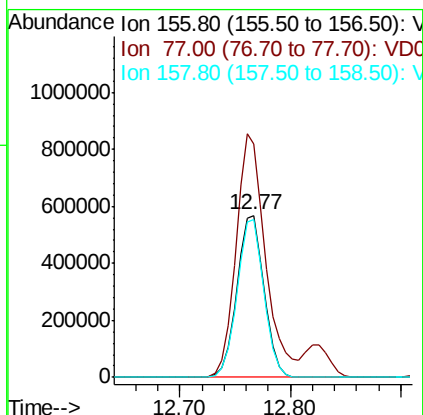
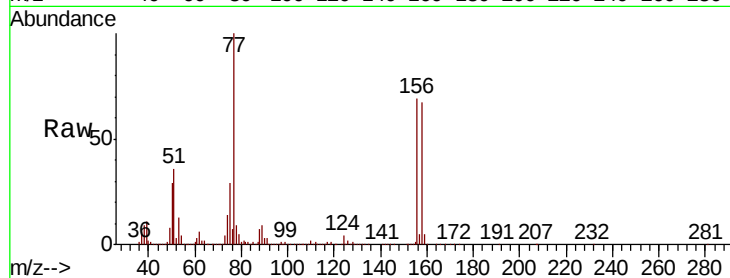
ClientSampleId :

VSTDIC100

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 156   | Resp: | 975752 |
| Ion      | Ratio | Lower | Upper  |
| 156      | 100   |       |        |
| 77       | 164.5 | 81.2  | 243.4  |
| 158      | 96.5  | 48.4  | 145.2  |

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#78

n-propylbenzene

Concen: 96.779 ug/l

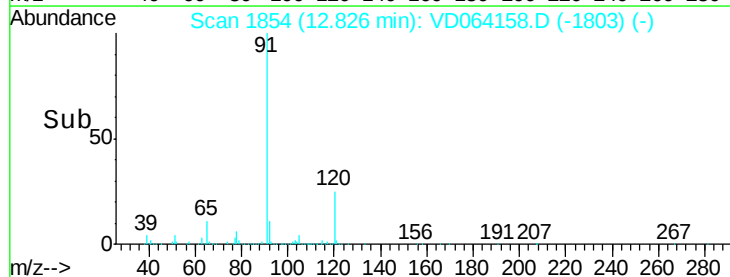
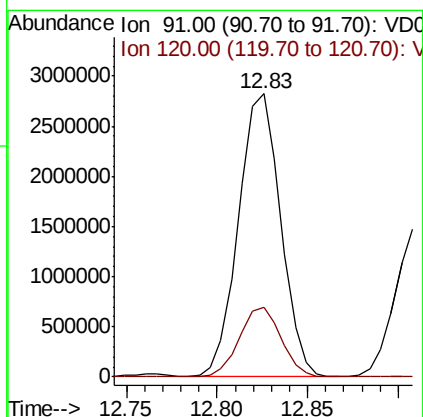
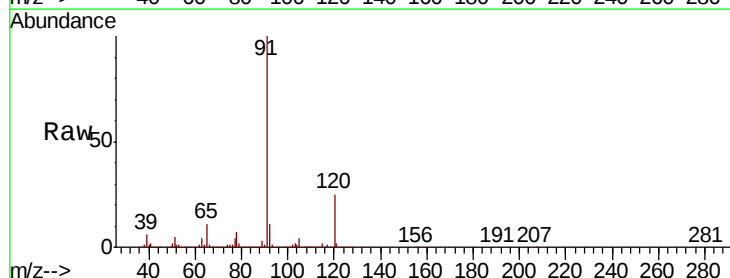
RT: 12.83 min Scan# 1854

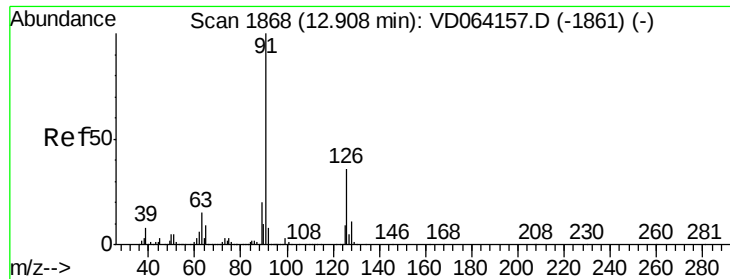
Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 91    | Resp: | 4572963 |
| Ion      | Ratio | Lower | Upper   |
| 91       | 100   |       |         |
| 120      | 24.5  | 11.8  | 35.4    |





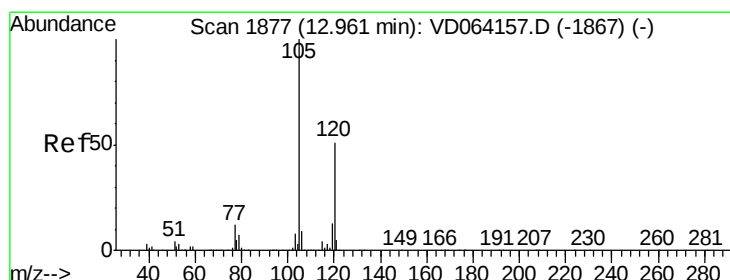
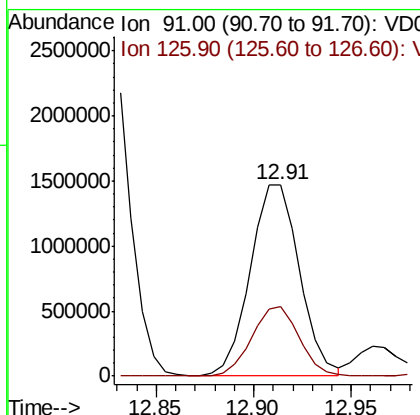
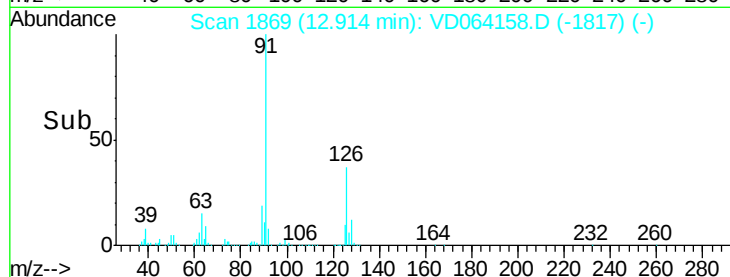
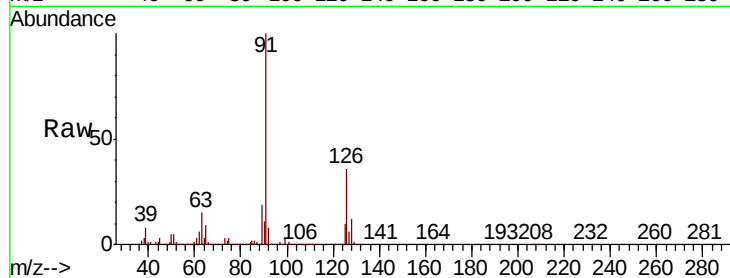
#79  
2-Chlorotoluene  
Concen: 100.270 ug/l  
RT: 12.91 min Scan# 1869  
Delta R.T. 0.01 min  
Lab File: VD064158.D  
Acq: 08 Nov 2019 15:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC100

Tot Ion: 91 Resp: 2566237  
Ion Ratio Lower Upper  
91 100  
126 35.3 17.7 53.1

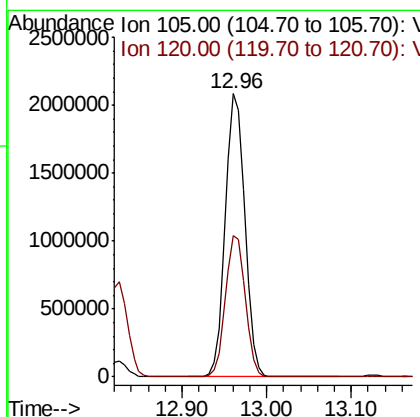
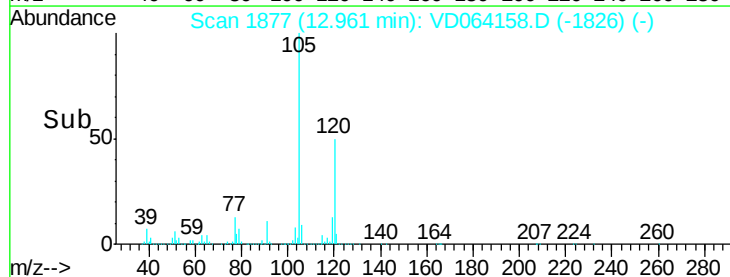
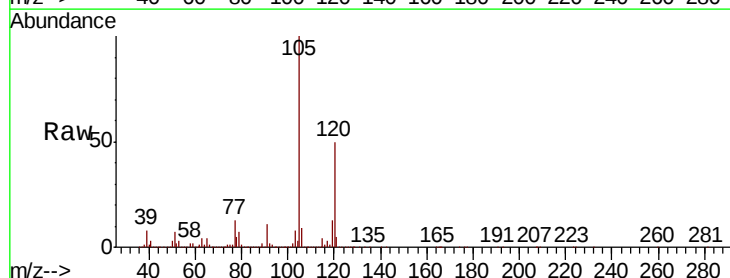
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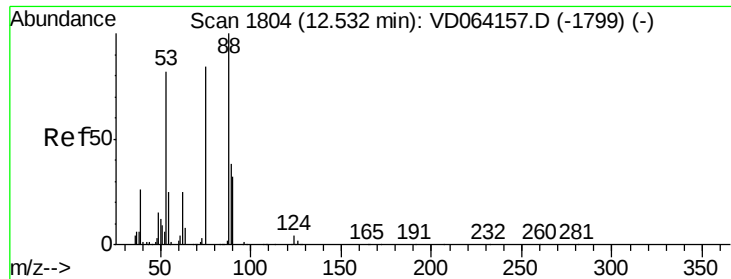
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#80  
1,3,5-Trimethylbenzene  
Concen: 98.567 ug/l  
RT: 12.96 min Scan# 1877  
Delta R.T. -0.00 min  
Lab File: VD064158.D  
Acq: 08 Nov 2019 15:30

Tgt Ion: 105 Resp: 3317731  
Ion Ratio Lower Upper  
105 100  
120 50.5 25.4 76.4





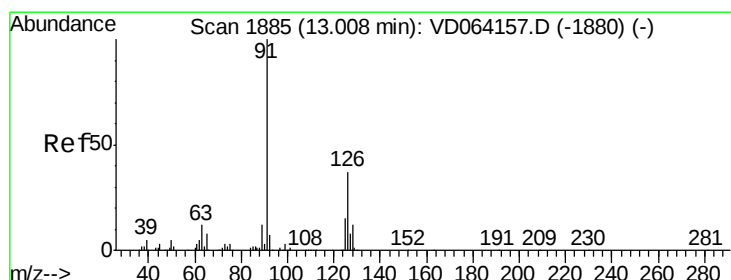
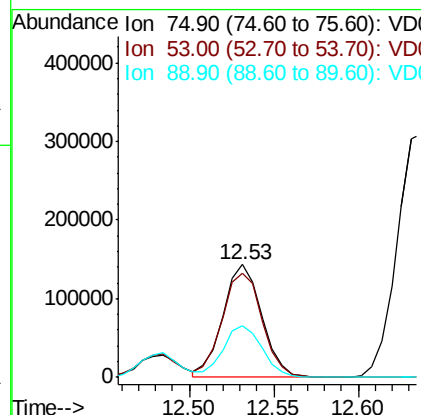
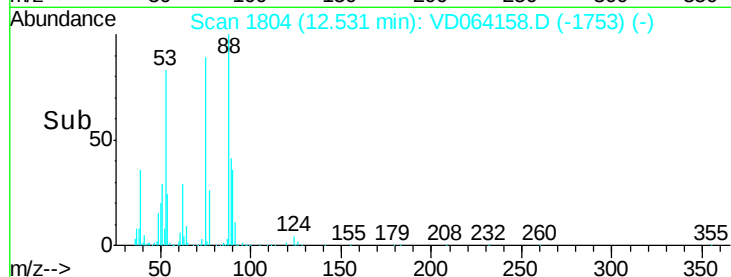
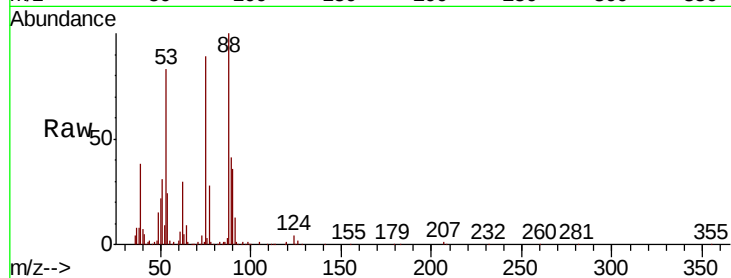
#81  
trans-1,4-Dichloro-2-butene  
Concen: 116.090 ug/l  
RT: 12.53 min Scan# 1804  
Delta R.T. -0.00 min  
Lab File: VD064158.D  
Acq: 08 Nov 2019 15:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 95.3  | 79.4  | 119.0 |
| 89      | 46.9  | 36.6  | 55.0  |

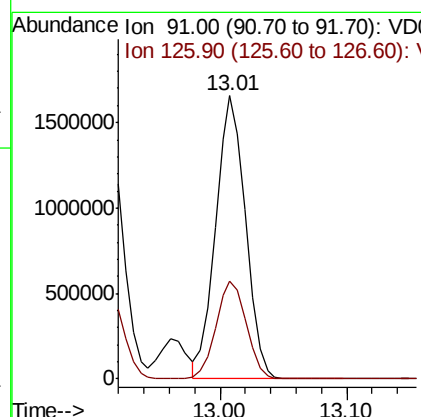
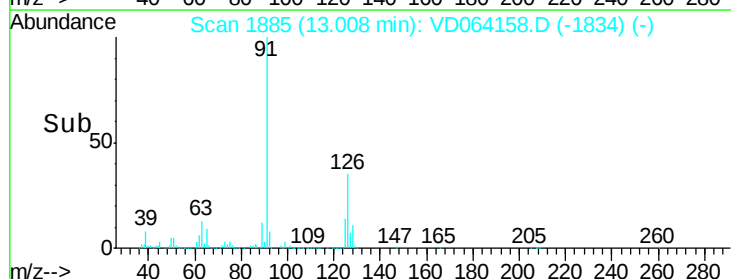
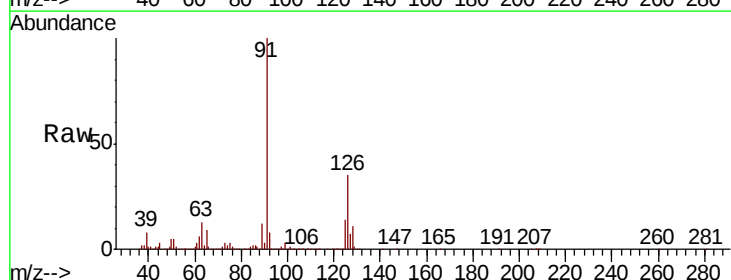
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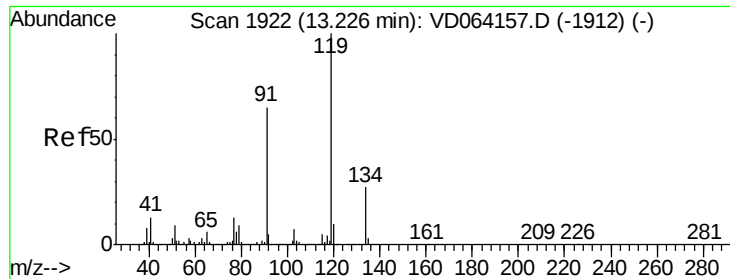
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#82  
4-Chlorotoluene  
Concen: 99.688 ug/l  
RT: 13.01 min Scan# 1885  
Delta R.T. -0.00 min  
Lab File: VD064158.D  
Acq: 08 Nov 2019 15:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 35.3  | 17.8  | 53.4  |





#83

tert-Butylbenzene

Concen: 94.686 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.00 min

Lab File: VD064158.D

Acq: 08 Nov 2019 15:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion:119 Resp: 2855147

Ion Ratio Lower Upper

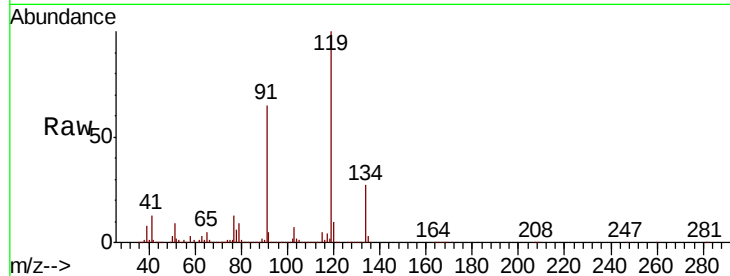
119 100

91 65.1 31.8 95.4

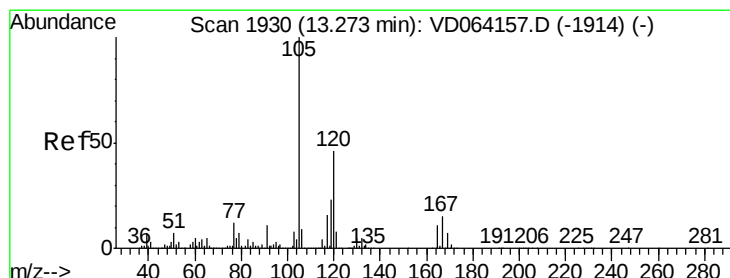
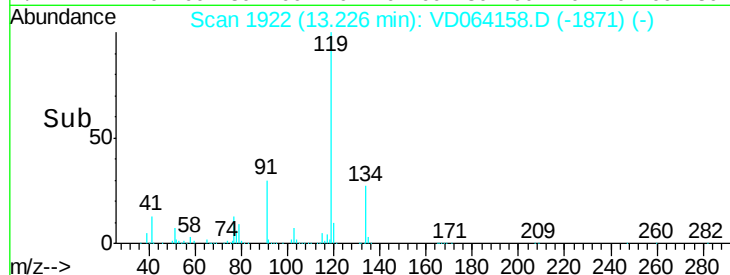
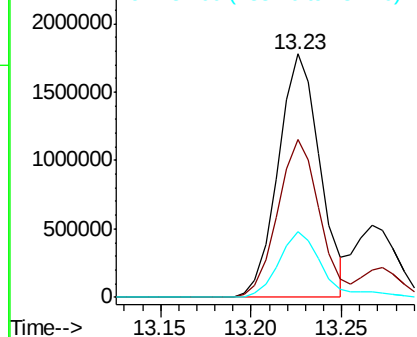
134 28.3 13.7 41.0

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Abundance Ion 119.00 (118.70 to 119.70): V  
Ion 91.00 (90.70 to 91.70): V  
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 97.359 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.00 min

Lab File: VD064158.D

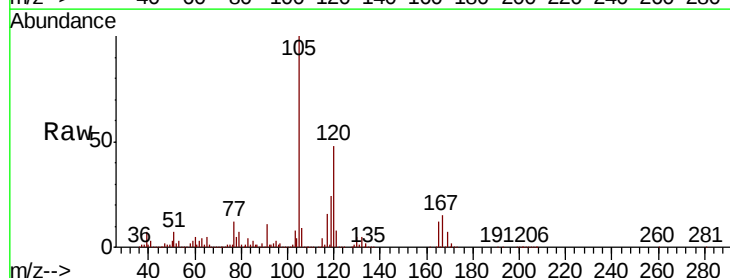
Acq: 08 Nov 2019 15:30

Tgt Ion:105 Resp: 3283931

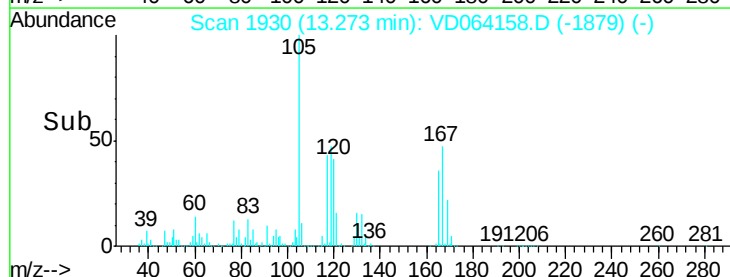
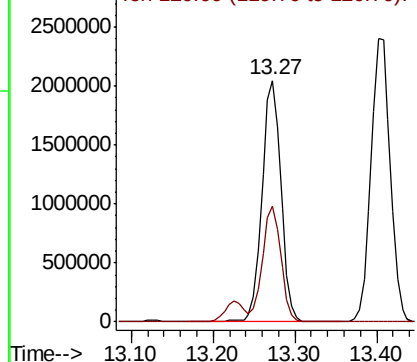
Ion Ratio Lower Upper

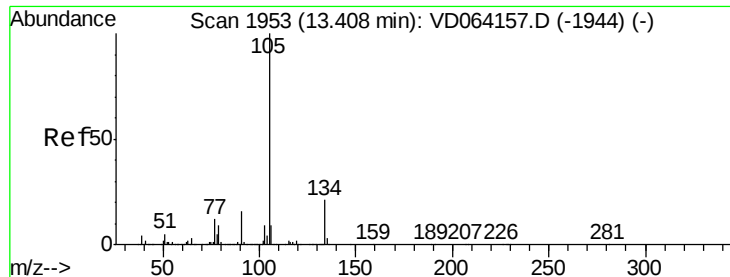
105 100

120 46.7 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V  
Ion 120.00 (119.70 to 120.70): V





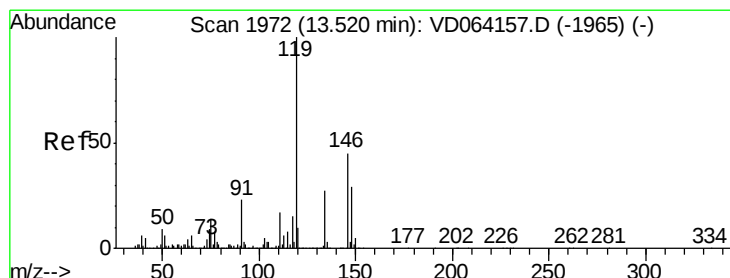
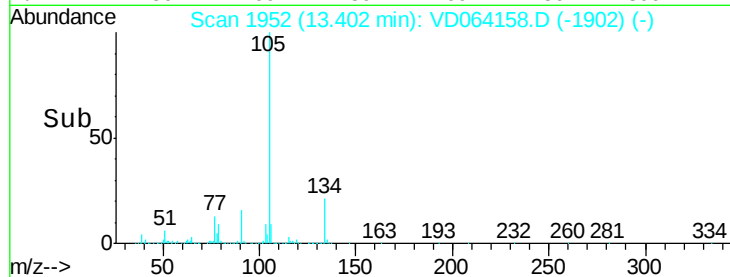
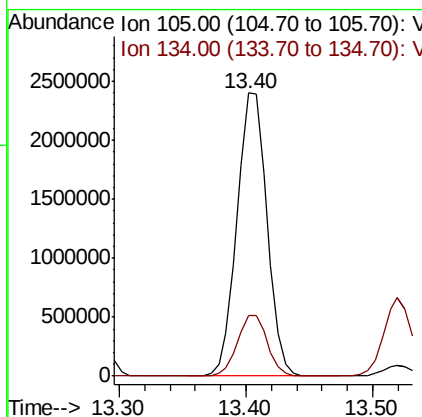
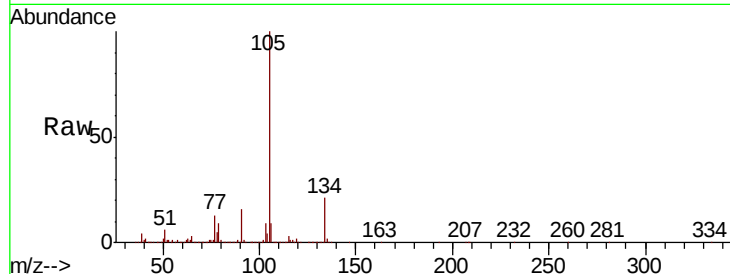
#85  
 sec-Butylbenzene  
 Concen: 95.680 ug/l  
 RT: 13.40 min Scan# 1952  
 Delta R.T. -0.01 min  
 Lab File: VD064158.D  
 Acq: 08 Nov 2019 15:30

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC100

Tot Ion:105 Resp: 3935870  
 Ion Ratio Lower Upper  
 105 100  
 134 21.4 10.7 31.9

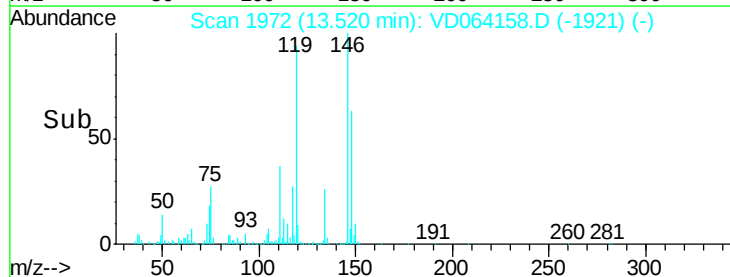
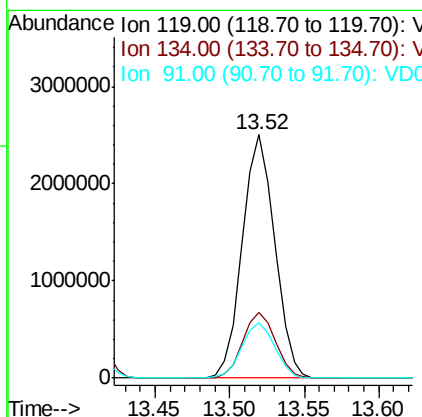
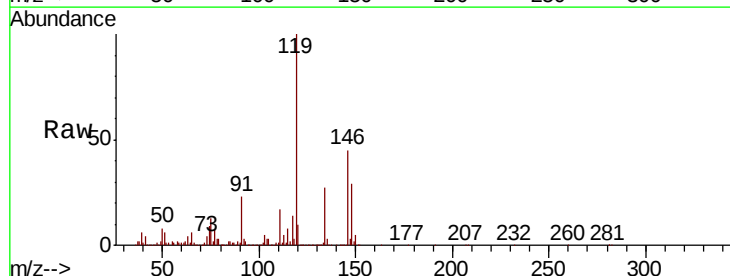
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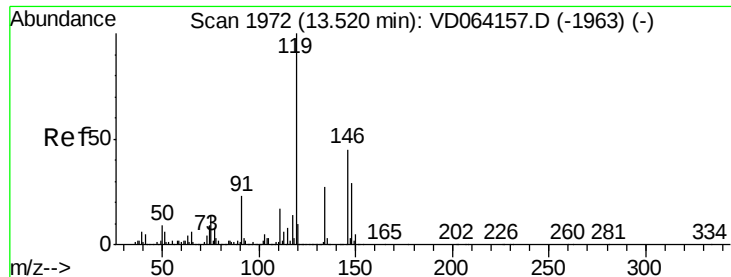
MMDadoda  
 11/13/2019 11:14:47 AM



#86  
 p-Isopropyltoluene  
 Concen: 97.518 ug/l  
 RT: 13.52 min Scan# 1972  
 Delta R.T. -0.00 min  
 Lab File: VD064158.D  
 Acq: 08 Nov 2019 15:30

Tgt Ion:119 Resp: 3766009  
 Ion Ratio Lower Upper  
 119 100  
 134 27.1 13.5 40.5  
 91 23.1 11.5 34.4





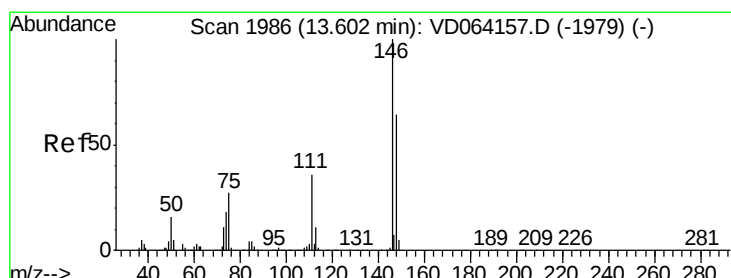
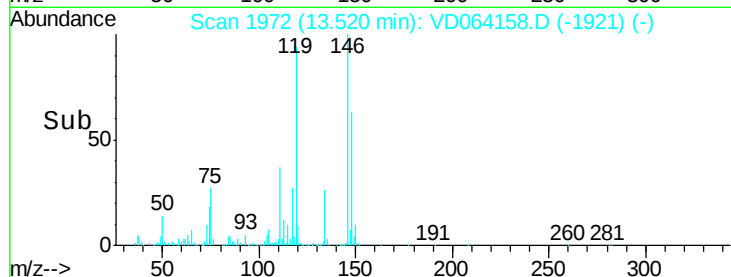
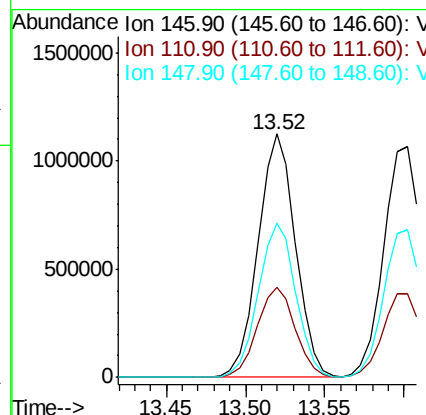
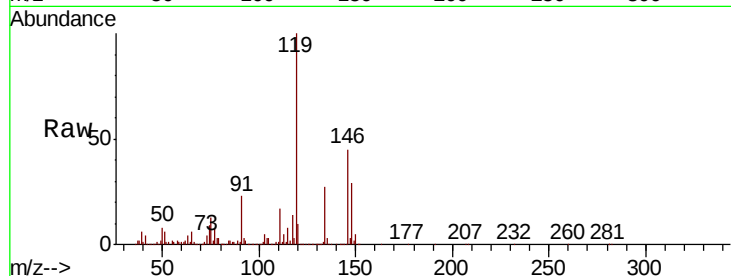
#87  
 1,3-Dichlorobenzene  
 Concen: 95.735 ug/l  
 RT: 13.52 min Scan# 1972  
 Delta R.T. -0.00 min  
 Lab File: VD064158.D  
 Acq: 08 Nov 2019 15:30

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.4  | 18.9  | 56.9  |
| 148     | 63.6  | 32.1  | 96.5  |

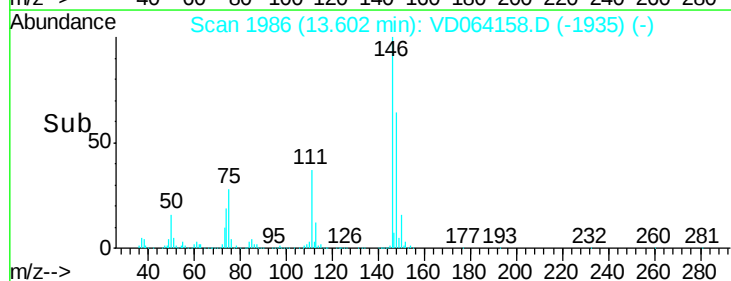
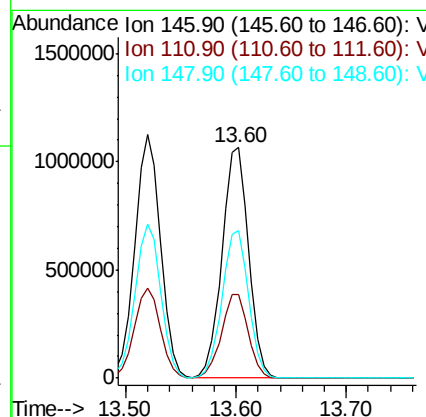
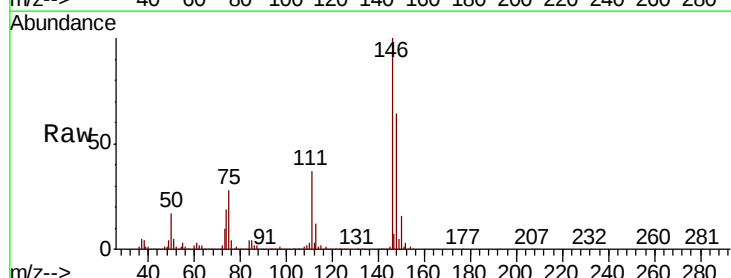
Manual Integrations  
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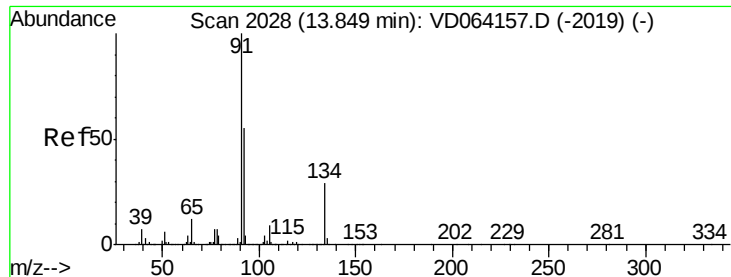
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 11/13/2019 11:14:47 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 93.320 ug/l  
 RT: 13.60 min Scan# 1986  
 Delta R.T. -0.00 min  
 Lab File: VD064158.D  
 Acq: 08 Nov 2019 15:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.4  | 18.1  | 54.4  |
| 148     | 63.9  | 31.9  | 95.7  |





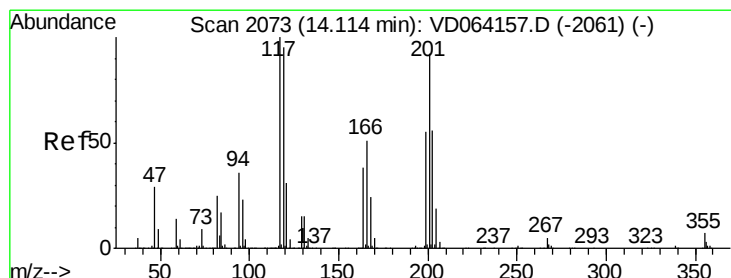
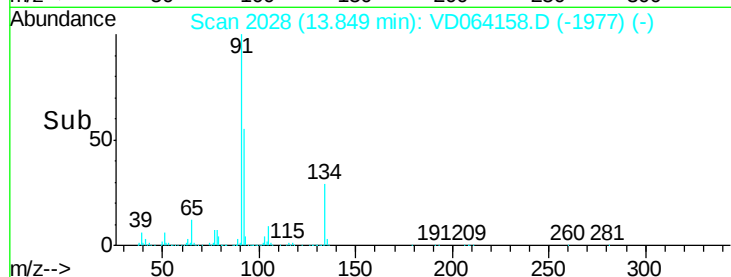
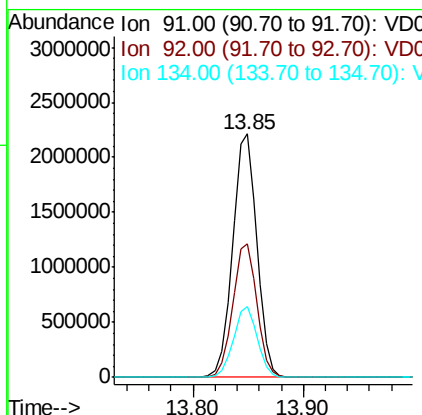
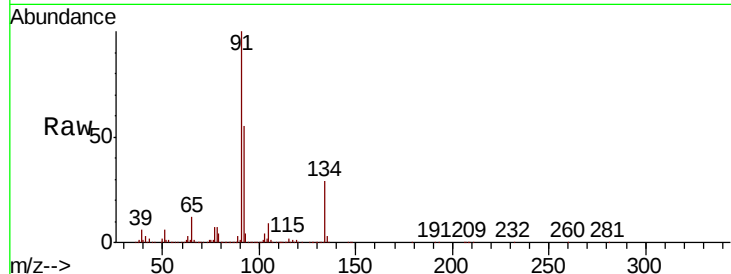
#89  
n-Butylbenzene  
Concen: 95.408 ug/l  
RT: 13.85 min Scan# 2028  
Delta R.T. -0.00 min  
Lab File: VD064158.D  
Acq: 08 Nov 2019 15:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 91      | 100  |       |       |       |
| 92      | 54.8 | 27.3  | 81.8  |       |
| 134     | 28.6 | 14.1  | 42.4  |       |

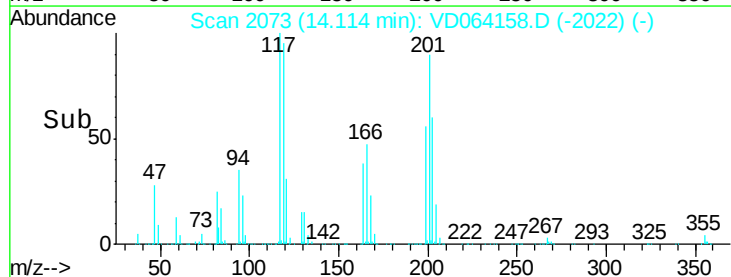
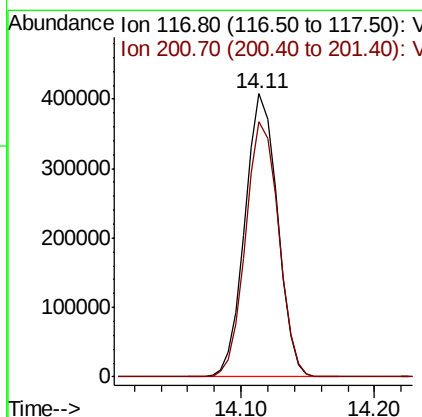
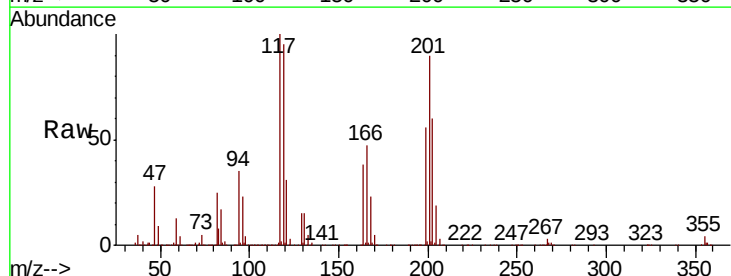
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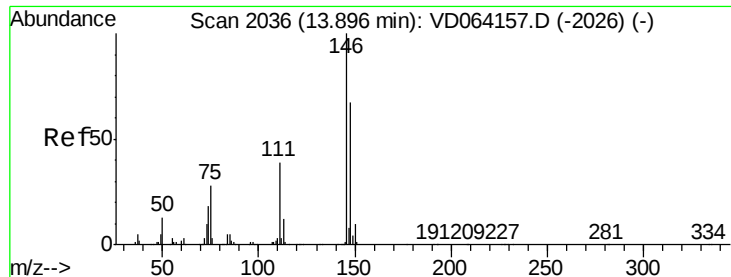
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#90  
Hexachloroethane  
Concen: 94.859 ug/l  
RT: 14.11 min Scan# 2073  
Delta R.T. -0.00 min  
Lab File: VD064158.D  
Acq: 08 Nov 2019 15:30

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 117     | 100  |       |       |       |
| 201     | 91.0 | 45.8  | 137.4 |       |





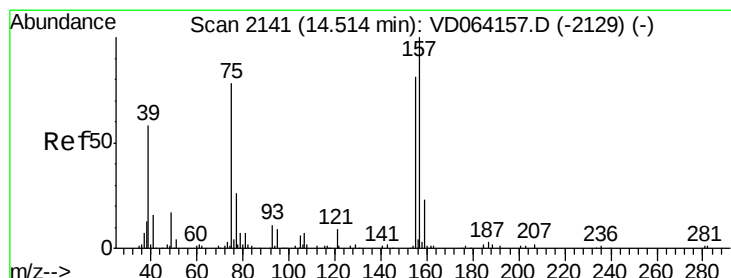
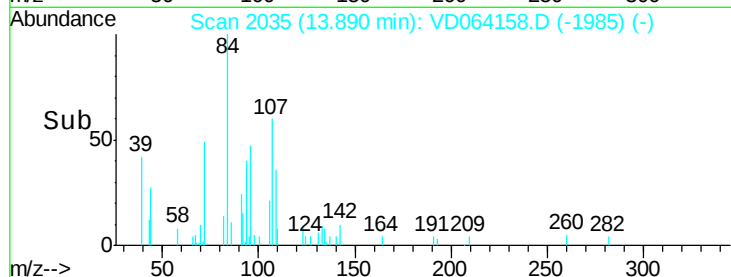
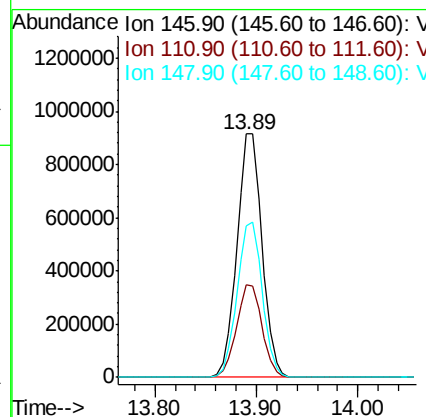
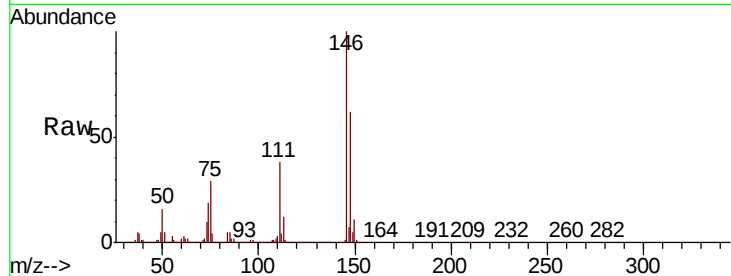
#91  
 1,2-Dichlorobenzene  
 Concen: 94.417 ug/l  
 RT: 13.89 min Scan# 2035  
 Delta R.T. -0.01 min  
 Lab File: VD064158.D  
 Acq: 08 Nov 2019 15:30

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.7  | 19.7  | 59.0  |
| 148     | 64.1  | 32.3  | 96.8  |

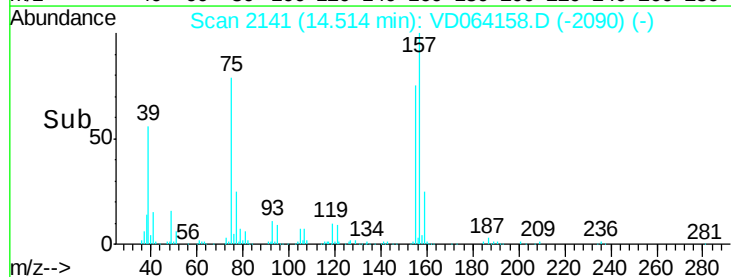
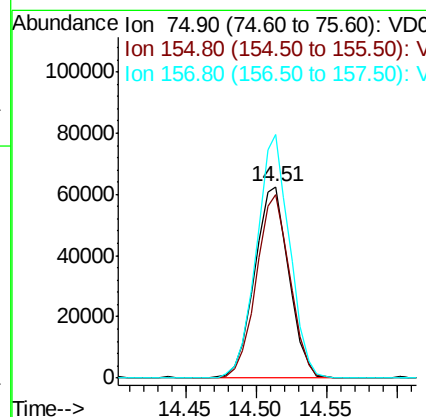
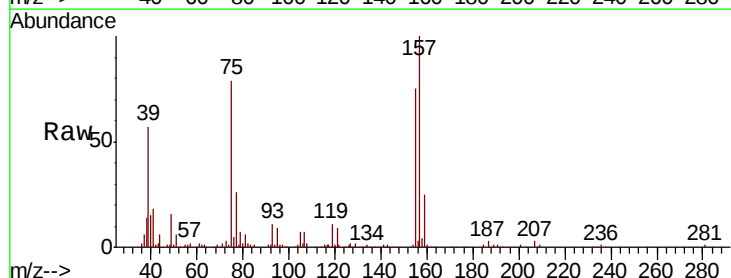
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 111.629 ug/l  
 RT: 14.51 min Scan# 2141  
 Delta R.T. -0.00 min  
 Lab File: VD064158.D  
 Acq: 08 Nov 2019 15:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 93.8  | 48.0  | 144.0 |
| 157     | 122.3 | 61.5  | 184.4 |





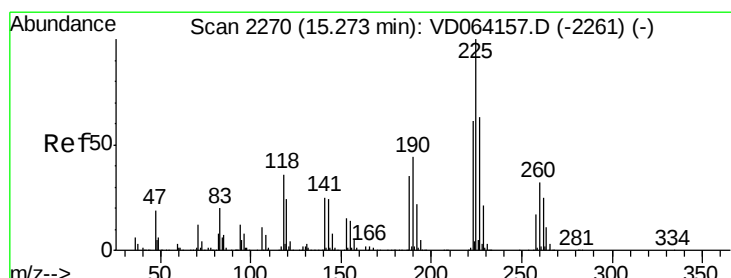
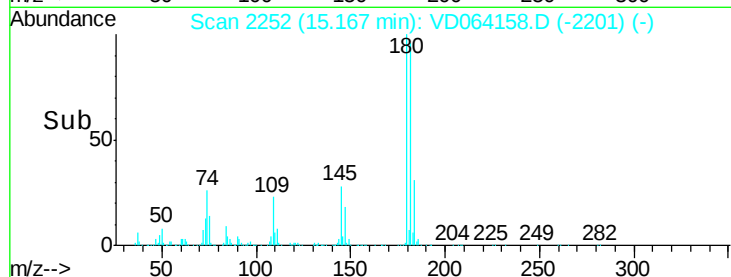
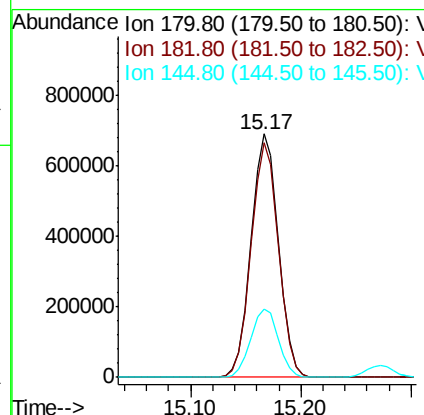
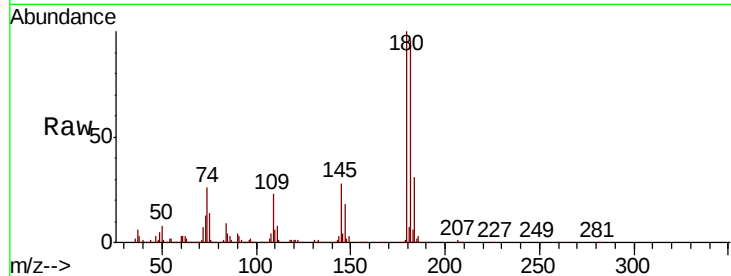
#93  
 1,2,4-Trichlorobenzene  
 Concen: 99.611 ug/l  
 RT: 15.17 min Scan# 2252  
 Delta R.T. -0.00 min  
 Lab File: VD064158.D  
 Acq: 08 Nov 2019 15:30

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.0  | 47.5  | 142.5 |
| 145     | 28.7  | 14.2  | 42.6  |

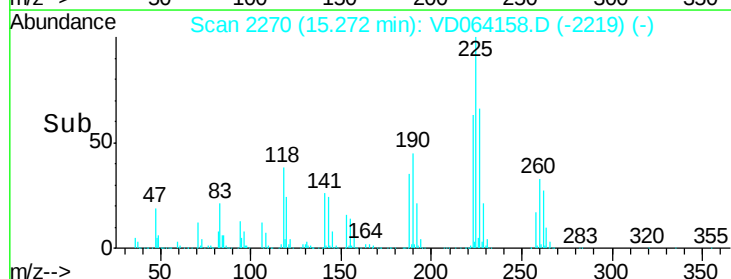
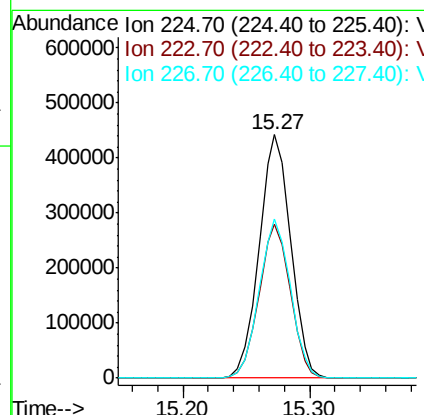
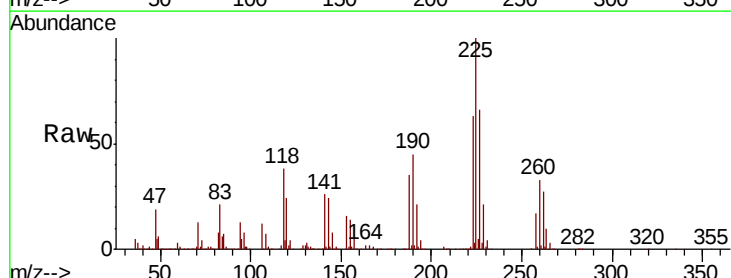
Manual Integrations  
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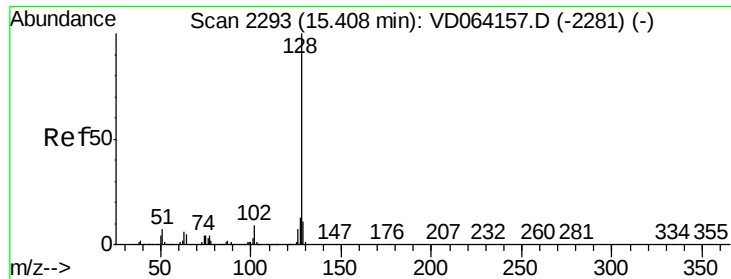
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#94  
 Hexachlorobutadiene  
 Concen: 107.145 ug/l  
 RT: 15.27 min Scan# 2270  
 Delta R.T. -0.00 min  
 Lab File: VD064158.D  
 Acq: 08 Nov 2019 15:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.8  | 31.1  | 93.3  |
| 227     | 64.7  | 31.5  | 94.5  |





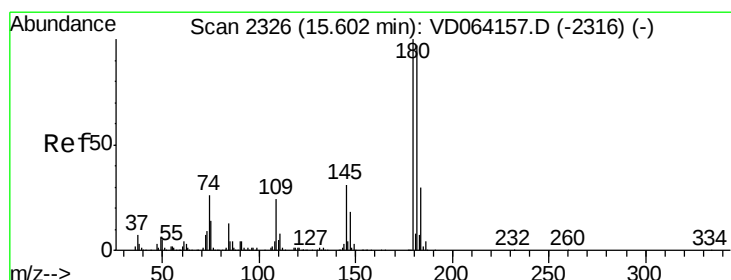
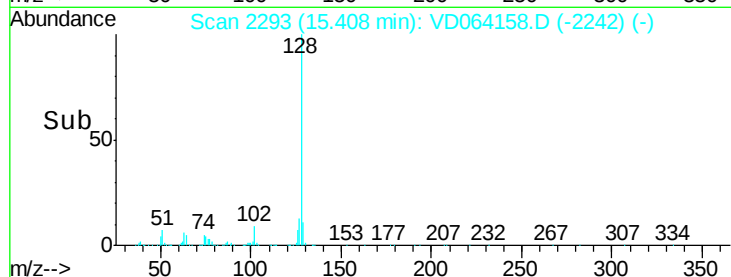
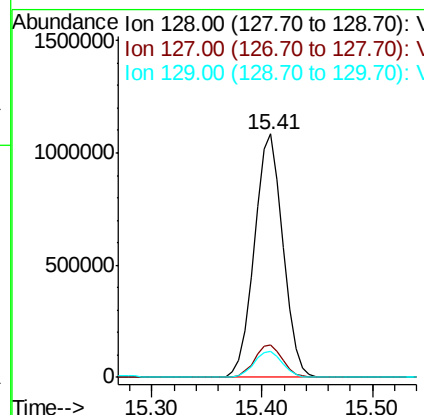
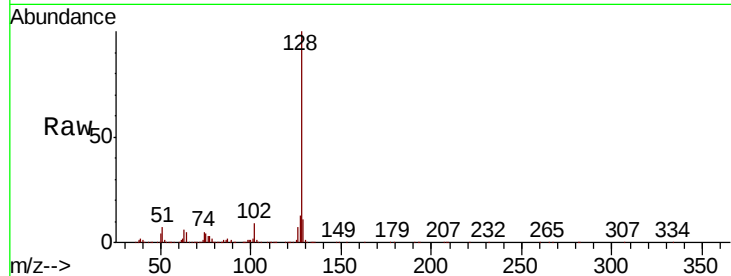
#95  
Naphthalene  
Concen: 100.212 ug/l  
RT: 15.41 min Scan# 2293  
Delta R.T. -0.00 min  
Lab File: VD064158.D  
Acq: 08 Nov 2019 15:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.1  | 10.5  | 15.7  |
| 129     | 10.9  | 8.6   | 13.0  |

Manual Integrations  
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#96  
1,2,3-Trichlorobenzene  
Concen: 97.580 ug/l  
RT: 15.60 min Scan# 2326  
Delta R.T. -0.00 min  
Lab File: VD064158.D  
Acq: 08 Nov 2019 15:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.0  | 48.3  | 144.9 |
| 145     | 30.1  | 15.3  | 45.8  |

