

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW102821\  
 Data File : VW020717.D  
 Acq On : 28 Oct 2021 15:08  
 Operator : SY/VA  
 Sample : VW1028SBL01  
 Misc : 5.00g/5mL/MSVOA\_W/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Oct 29 06:03:13 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W102821S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 29 05:37:46 2021  
 Response via : Initial Calibration

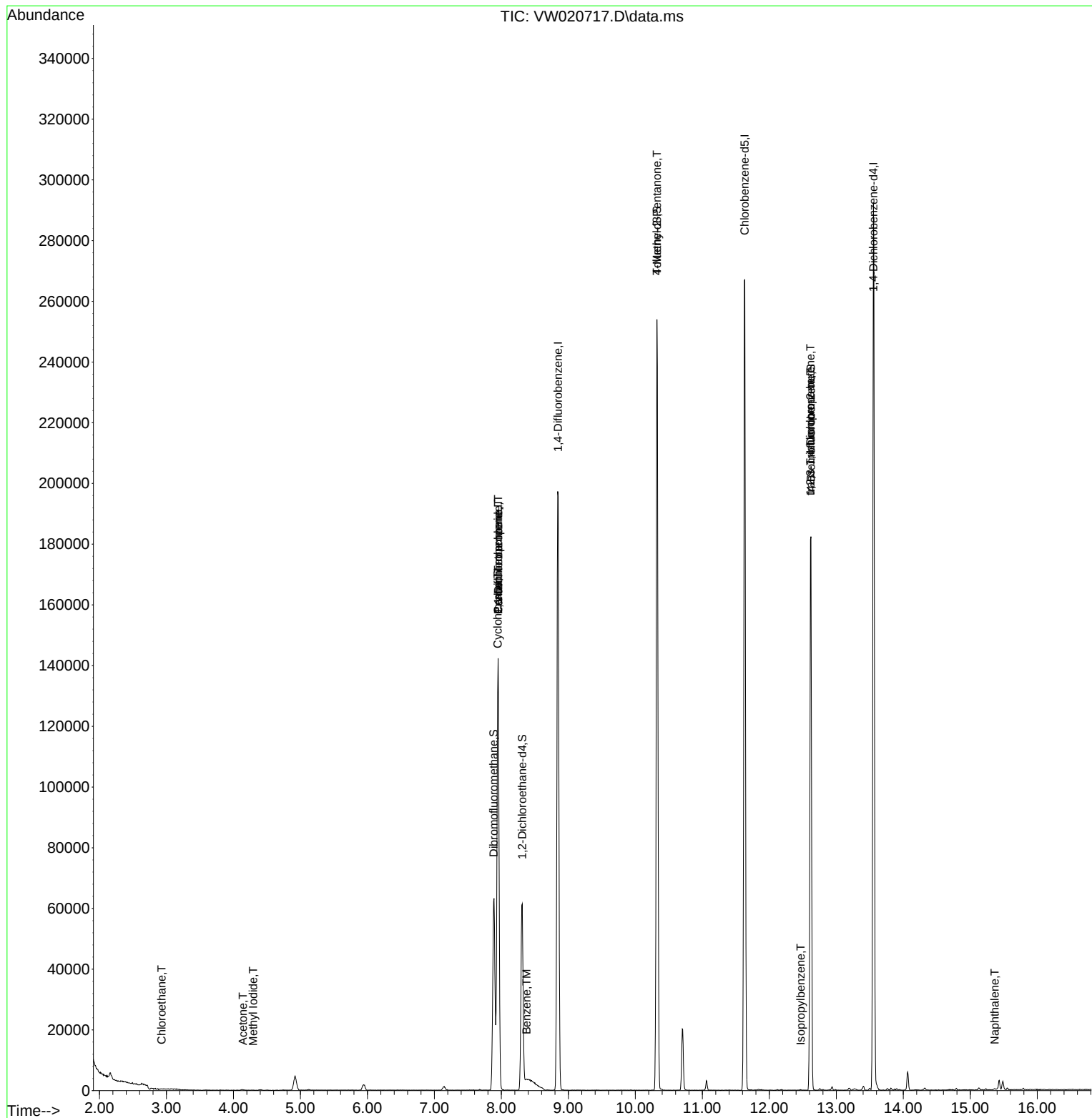
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 7.951          | 168  | 105847     | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.848          | 114  | 166706     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.634         | 117  | 150782     | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.554         | 152  | 77724      | 50.000    | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.311          | 65   | 50952      | 48.972    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = | 97.940%   |        |          |
| 35) Dibromofluoromethane      | 7.884          | 113  | 44602      | 45.608    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = | 91.220%   |        |          |
| 50) Toluene-d8                | 10.323         | 98   | 162221     | 44.202    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = | 88.400%   |        |          |
| 62) 4-Bromofluorobenzene      | 12.621         | 95   | 59193      | 42.752    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = | 85.500%   |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        | Qvalue   |
| 6) Chloroethane               | 2.928          | 64   | 129        | 5.977     | ug/l # | 43       |
| 10) Methyl Iodide             | 4.294          | 142  | 22         | 2.416     | ug/l # | 39       |
| 16) Acetone                   | 4.141          | 43   | 613        | 16.010    | ug/l   | 93       |
| 20) Methylene Chloride        | 4.915          | 84   | 3441       | Below Cal |        | 94       |
| 31) Cyclohexane               | 7.945          | 56   | 2275       | 1.305     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.951          | 75   | 7851       | 5.279     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 7.951          | 117  | 10121      | 7.390     | ug/l # | 17       |
| 40) Benzene                   | 8.378          | 78   | 5707       | 1.337     | ug/l   | 100      |
| 51) 4-Methyl-2-Pentanone      | 10.323         | 43   | 731        | 1.149     | ug/l # | 1        |
| 73) Isopropylbenzene          | 12.469         | 105  | 146        | 3.227     | ug/l # | 50       |
| 76) 1,2,3-Trichloropropane    | 12.615         | 75   | 31613      | 47.444    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.615         | 75   | 31613      | 100.679   | ug/l # | 8        |
| 95) Naphthalene               | 15.365         | 128  | 595        | 4.658     | ug/l # | 78       |
| -----                         |                |      |            |           |        |          |

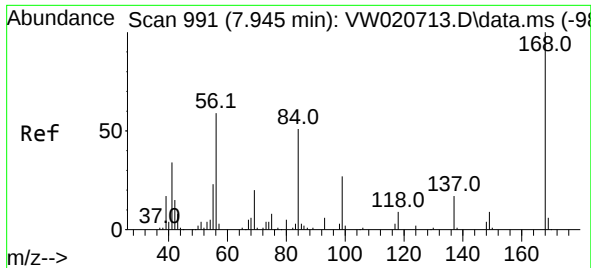
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW102821\  
Data File : VW020717.D  
Acq On : 28 Oct 2021 15:08  
Operator : SY/VA  
Sample : VW1028SBL01  
Misc : 5.00g/5mL/MSVOA\_W/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Oct 29 06:03:13 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W102821S.M  
Quant Title : SW846 8260  
QLast Update : Fri Oct 29 05:37:46 2021  
Response via : Initial Calibration

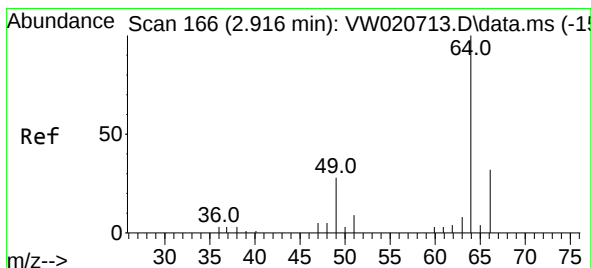
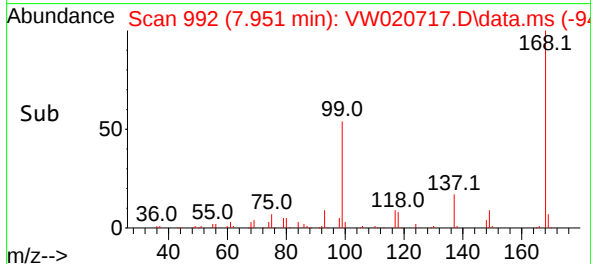
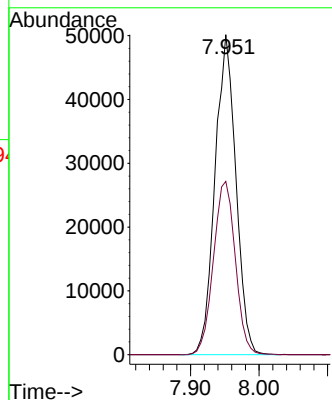
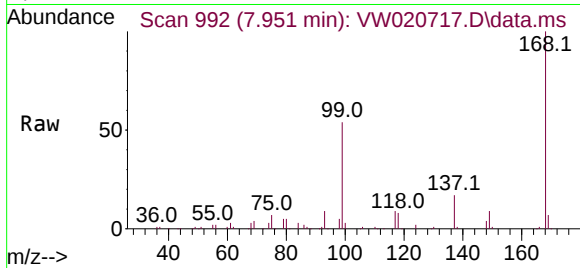




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.951 min Scan# 992  
Delta R.T. 0.006 min  
Lab File: VW020717.D  
Acq: 28 Oct 2021 15:08

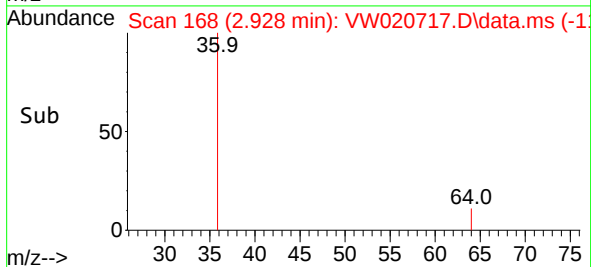
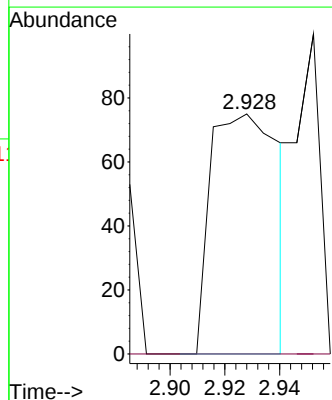
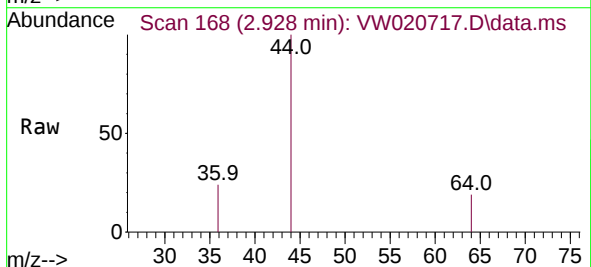
Instrument :  
MSVOA\_W  
ClientSampled :

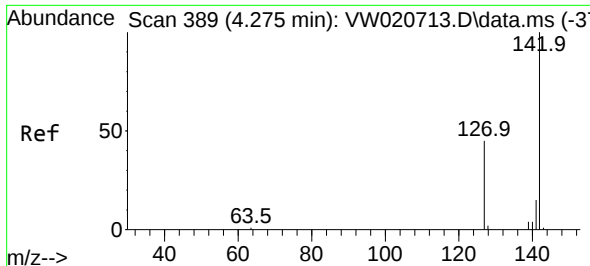
Tgt Ion:168 Resp: 105847  
Ion Ratio Lower Upper  
168 100  
99 54.1 46.2 69.4



#6  
Chloroethane  
Concen: 5.977 ug/l  
RT: 2.928 min Scan# 168  
Delta R.T. 0.012 min  
Lab File: VW020717.D  
Acq: 28 Oct 2021 15:08

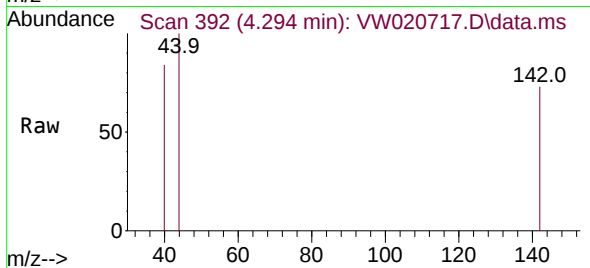
Tgt Ion: 64 Resp: 129  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.5 38.3#



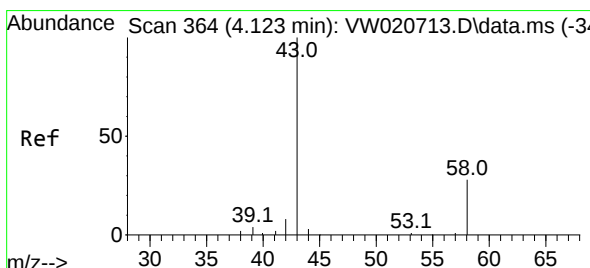
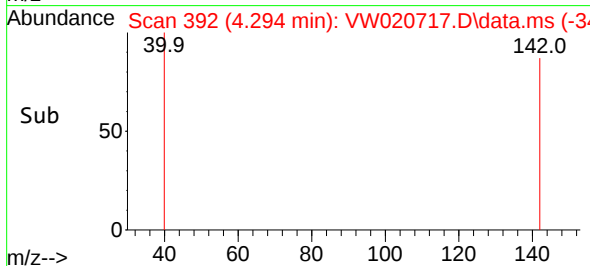
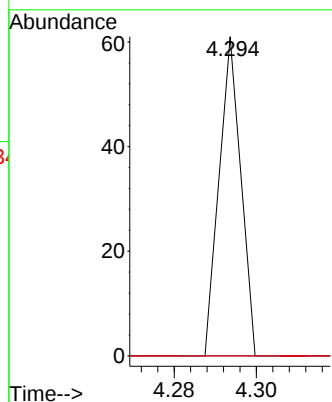


#10  
Methyl Iodide  
Concen: 2.416 ug/l  
RT: 4.294 min Scan# 392  
Delta R.T. 0.019 min  
Lab File: VW020717.D  
Acq: 28 Oct 2021 15:08

Instrument :  
MSVOA\_W  
ClientSampled :

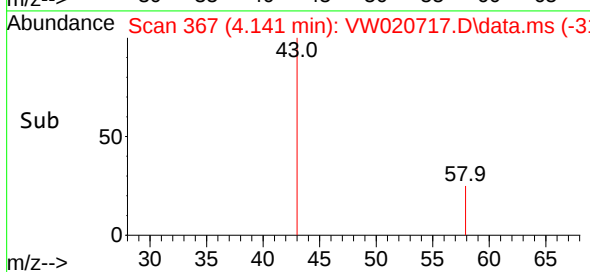
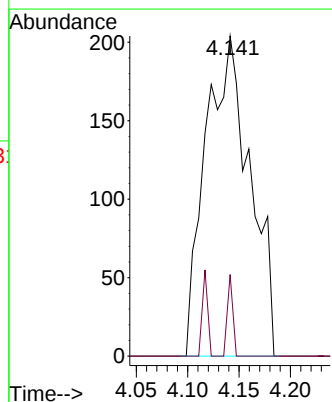
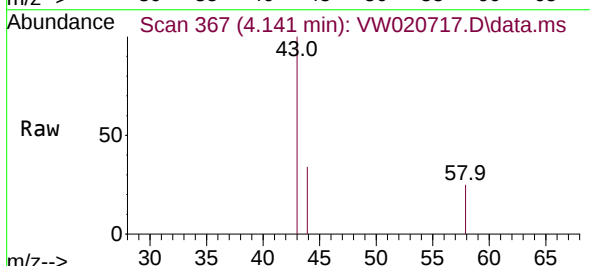


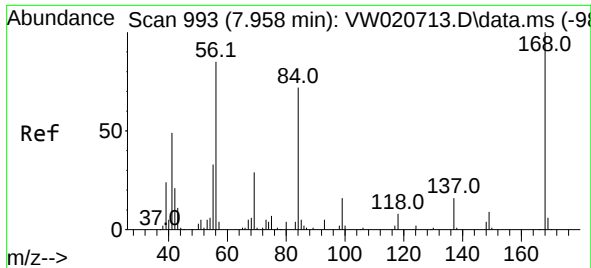
Tgt Ion:142 Resp: 22  
Ion Ratio Lower Upper  
142 100  
127 0.0 36.3 54.5#  
141 0.0 12.1 18.1#



#16  
Acetone  
Concen: 16.010 ug/l  
RT: 4.141 min Scan# 367  
Delta R.T. 0.018 min  
Lab File: VW020717.D  
Acq: 28 Oct 2021 15:08

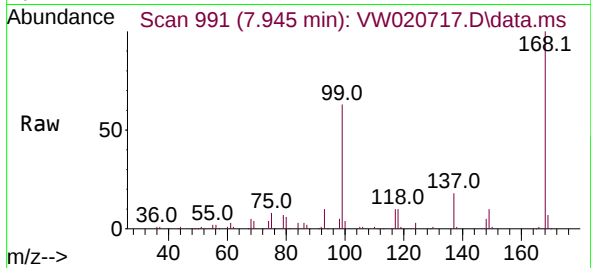
Tgt Ion: 43 Resp: 613  
Ion Ratio Lower Upper  
43 100  
58 25.5 23.2 34.8



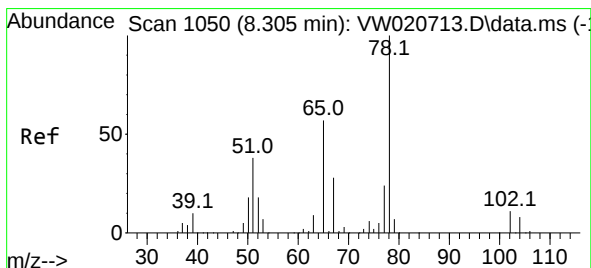
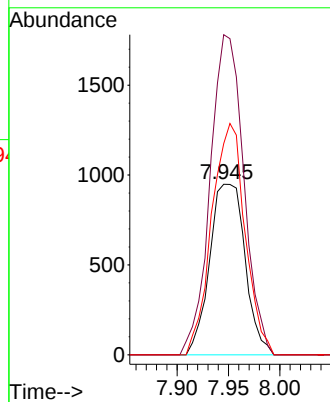
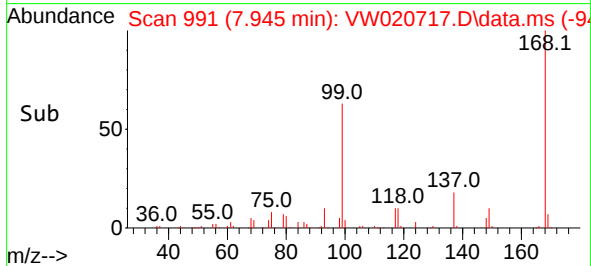


#31  
Cyclohexane  
Concen: 1.305 ug/l  
RT: 7.945 min Scan# 991  
Delta R.T. -0.012 min  
Lab File: VW020717.D  
Acq: 28 Oct 2021 15:08

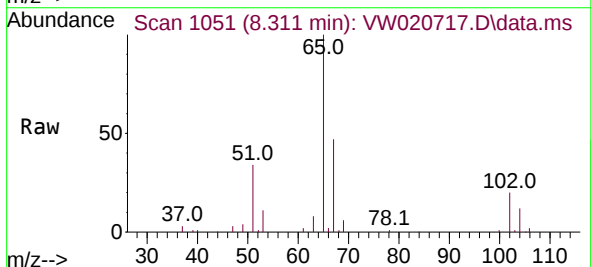
Instrument :  
MSVOA\_W  
ClientSampled :



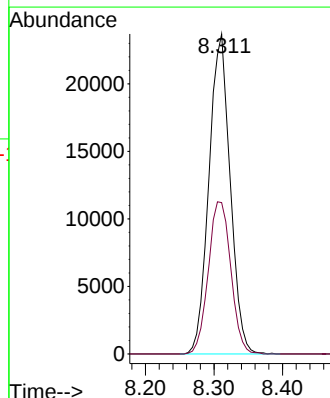
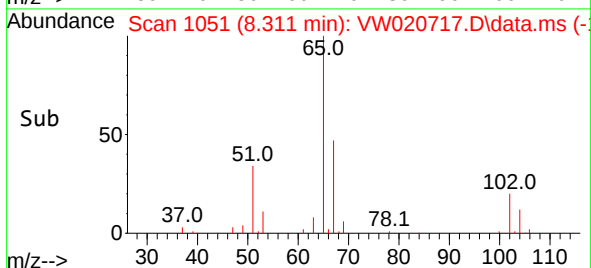
Tgt Ion: 56 Resp: 2275  
Ion Ratio Lower Upper  
56 100  
69 187.7 26.9 40.3#  
84 123.8 68.1 102.1#

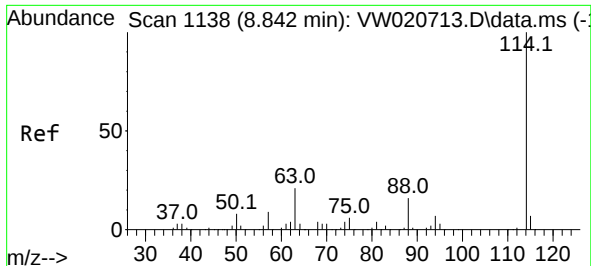


#33  
1,2-Dichloroethane-d4  
Concen: 48.972 ug/l  
RT: 8.311 min Scan# 1051  
Delta R.T. 0.006 min  
Lab File: VW020717.D  
Acq: 28 Oct 2021 15:08



Tgt Ion: 65 Resp: 50952  
Ion Ratio Lower Upper  
65 100  
67 50.5 0.0 99.8

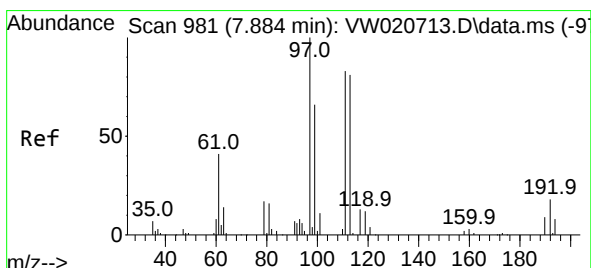
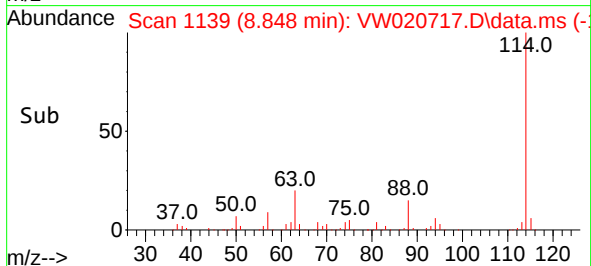
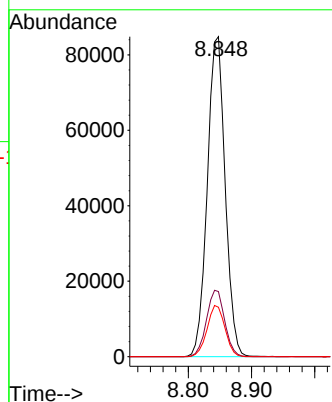
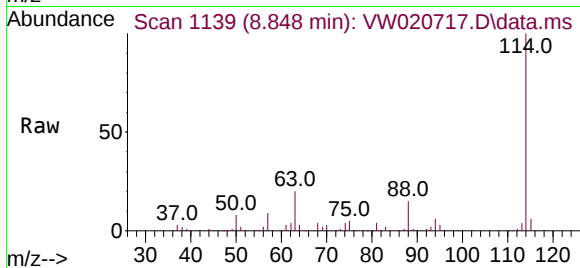




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.848 min Scan# 1139  
Delta R.T. 0.006 min  
Lab File: VW020717.D  
Acq: 28 Oct 2021 15:08

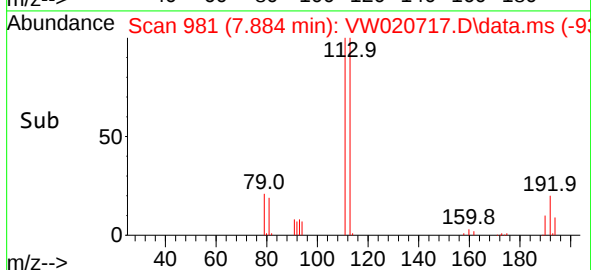
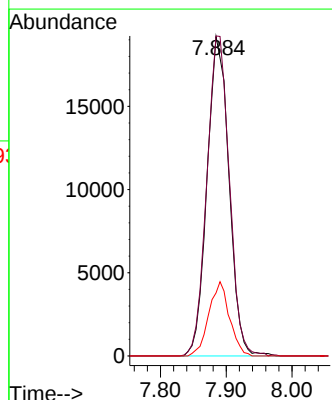
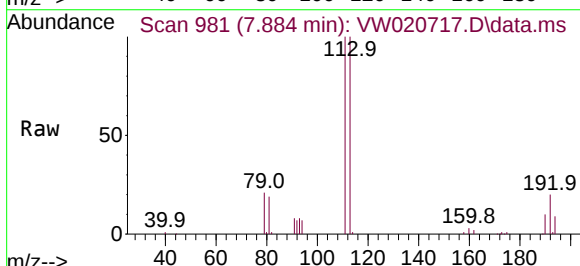
Instrument :  
MSVOA\_W  
ClientSampleId :

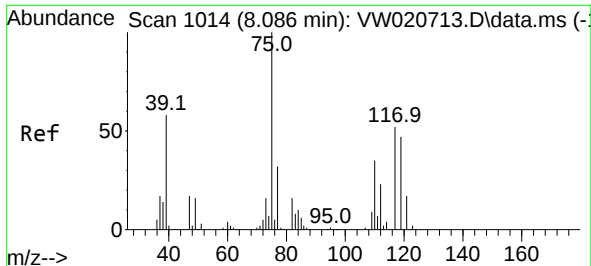
Tgt Ion:114 Resp: 166706  
Ion Ratio Lower Upper  
114 100  
63 20.4 0.0 41.4  
88 15.5 0.0 32.8



#35  
Dibromofluoromethane  
Concen: 45.608 ug/l  
RT: 7.884 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VW020717.D  
Acq: 28 Oct 2021 15:08

Tgt Ion:113 Resp: 44602  
Ion Ratio Lower Upper  
113 100  
111 102.8 82.3 123.5  
192 21.8 17.7 26.5

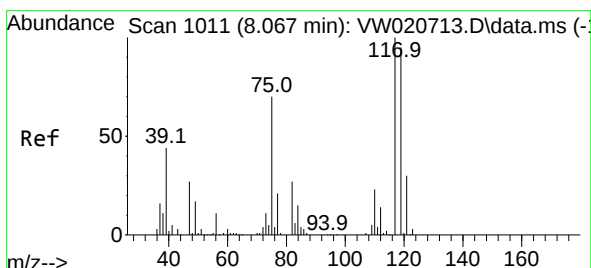
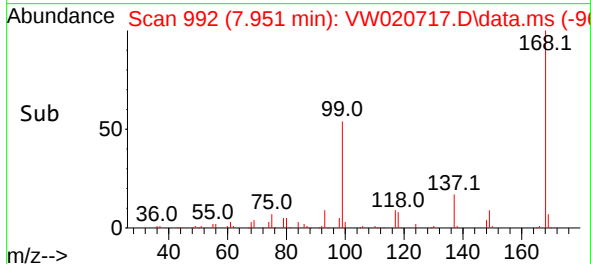
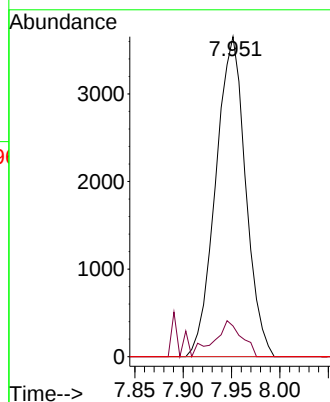
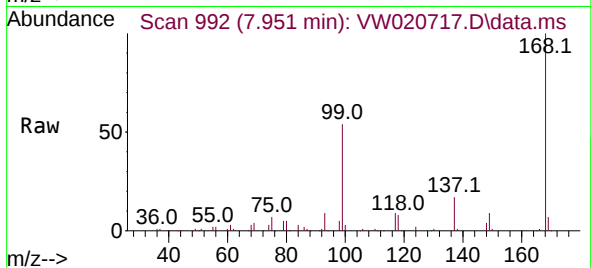




#36  
1,1-Dichloropropene  
Concen: 5.279 ug/l  
RT: 7.951 min Scan# 992  
Delta R.T. -0.134 min  
Lab File: VW020717.D  
Acq: 28 Oct 2021 15:08

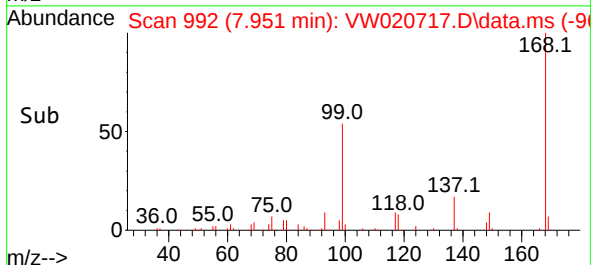
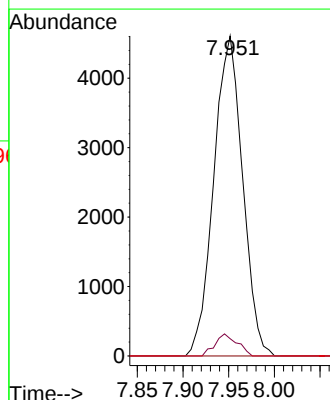
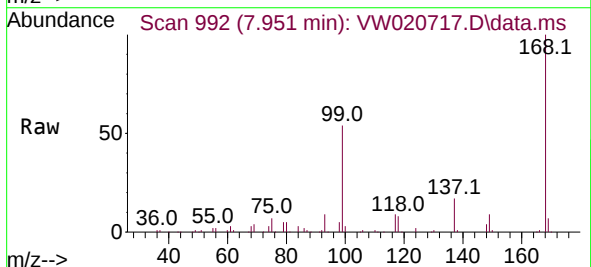
Instrument :  
MSVOA\_W  
ClientSampled :

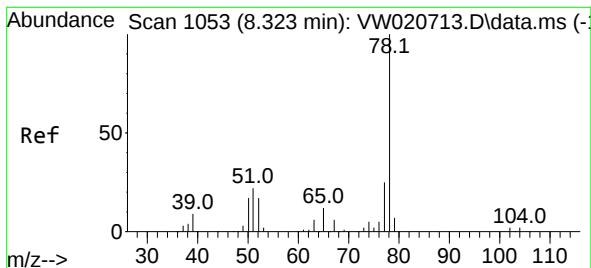
Tgt Ion: 75 Resp: 7851  
Ion Ratio Lower Upper  
75 100  
110 9.0 17.3 52.0#  
77 0.0 24.8 37.2#



#38  
Carbon Tetrachloride  
Concen: 7.390 ug/l  
RT: 7.951 min Scan# 992  
Delta R.T. -0.116 min  
Lab File: VW020717.D  
Acq: 28 Oct 2021 15:08

Tgt Ion: 117 Resp: 10121  
Ion Ratio Lower Upper  
117 100  
119 5.4 76.1 114.1#  
121 0.0 24.2 36.4#





#40

Benzene

Concen: 1.337 ug/l

RT: 8.378 min Scan# 1062

Delta R.T. 0.055 min

Lab File: VW020717.D

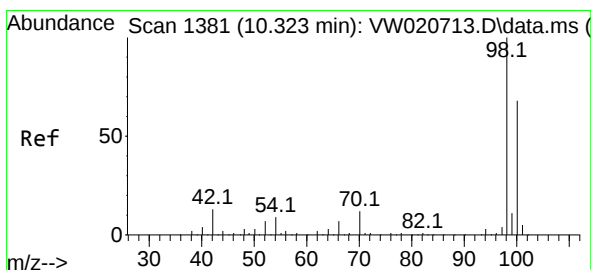
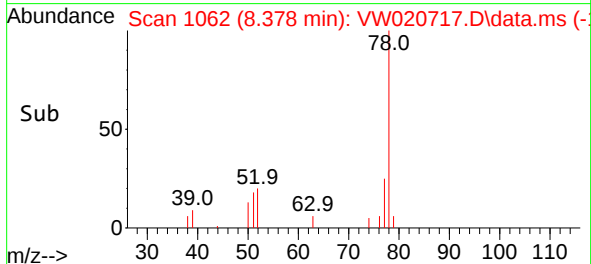
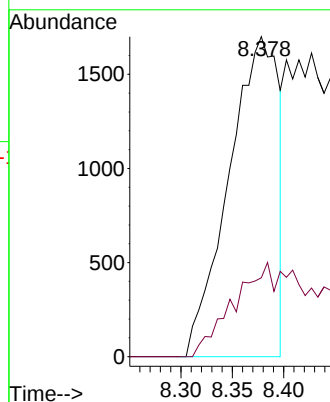
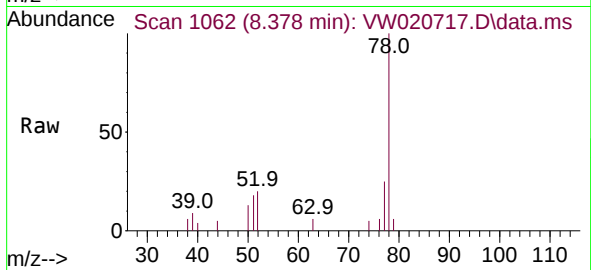
Acq: 28 Oct 2021 15:08

Tgt Ion: 78 Resp: 5707

Ion Ratio Lower Upper

78 100

77 24.6 19.6 29.4



#50

Toluene-d8

Concen: 44.202 ug/l

RT: 10.323 min Scan# 1381

Delta R.T. 0.000 min

Lab File: VW020717.D

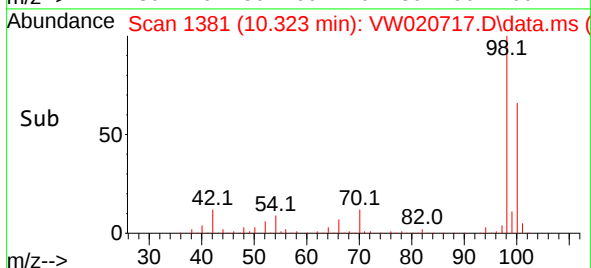
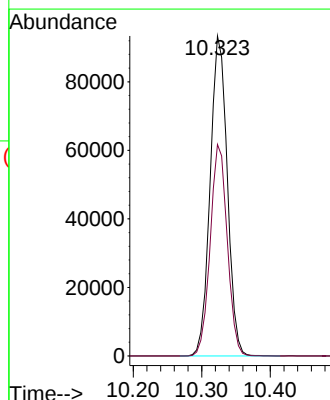
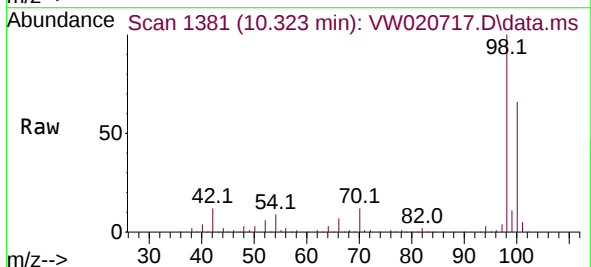
Acq: 28 Oct 2021 15:08

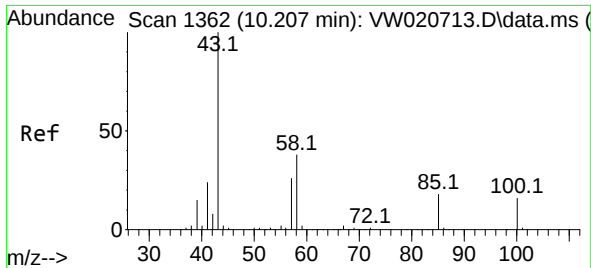
Tgt Ion: 98 Resp: 162221

Ion Ratio Lower Upper

98 100

100 65.7 53.0 79.4

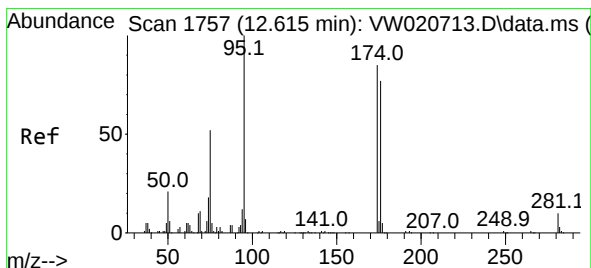
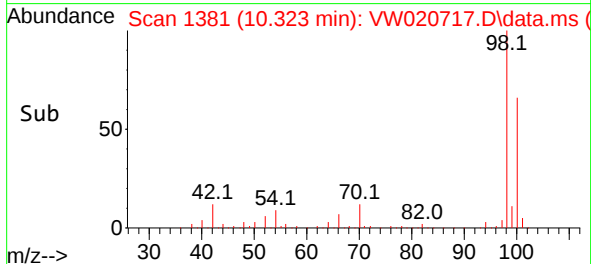
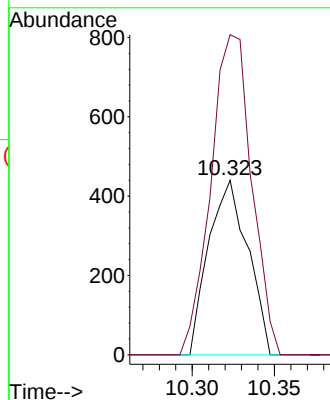
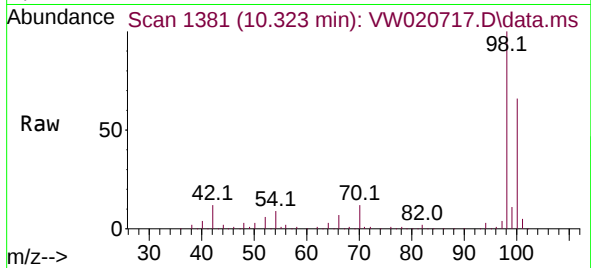




#51  
4-Methyl-2-Pentanone  
Concen: 1.149 ug/l  
RT: 10.323 min Scan# 1381  
Delta R.T. 0.116 min  
Lab File: VW020717.D  
Acq: 28 Oct 2021 15:08

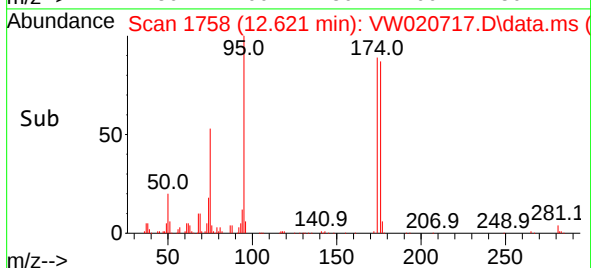
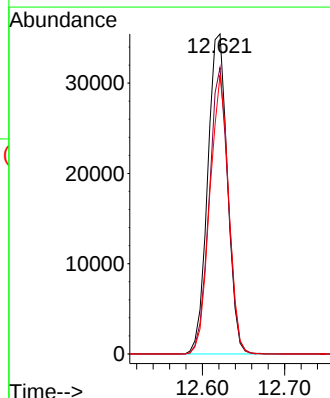
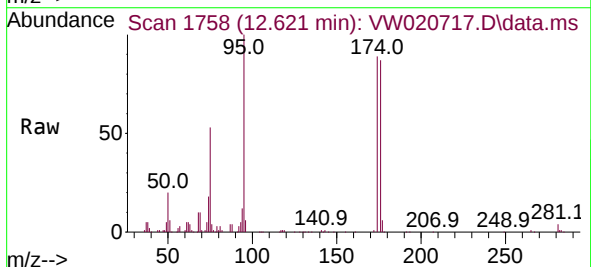
Instrument :  
MSVOA\_W  
ClientSampled :

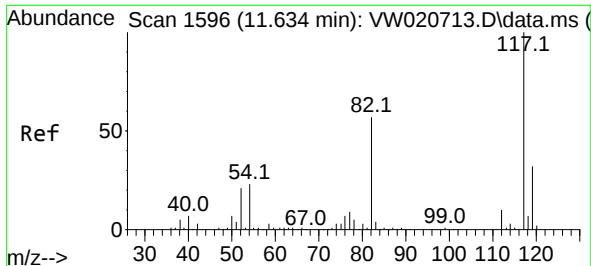
Tgt Ion: 43 Resp: 731  
Ion Ratio Lower Upper  
43 100  
58 191.2 31.0 46.4#



#62  
4-Bromofluorobenzene  
Concen: 42.752 ug/l  
RT: 12.621 min Scan# 1758  
Delta R.T. 0.006 min  
Lab File: VW020717.D  
Acq: 28 Oct 2021 15:08

Tgt Ion: 95 Resp: 59193  
Ion Ratio Lower Upper  
95 100  
174 86.1 0.0 171.0  
176 83.2 0.0 165.0

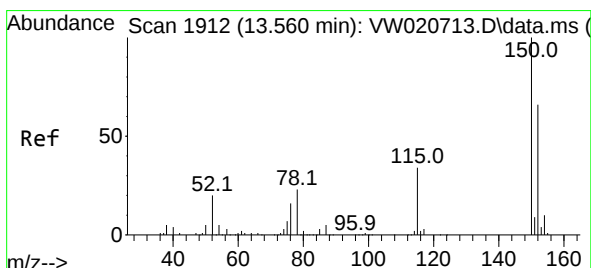
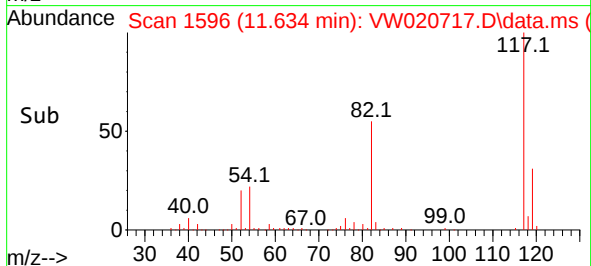
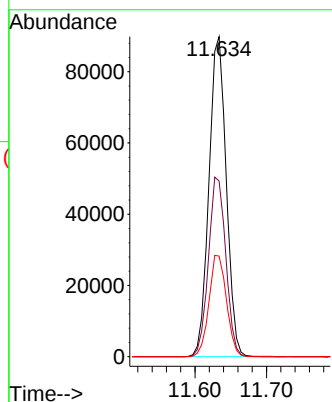
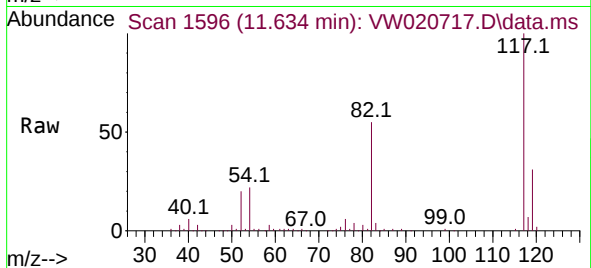




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.634 min Scan# 1596  
Delta R.T. 0.000 min  
Lab File: VW020717.D  
Acq: 28 Oct 2021 15:08

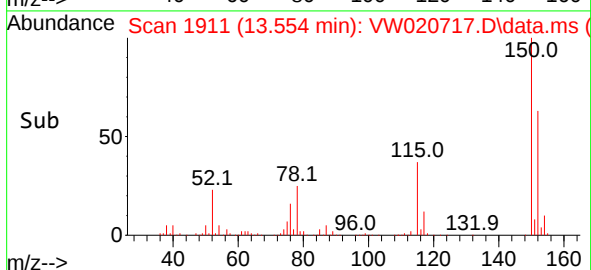
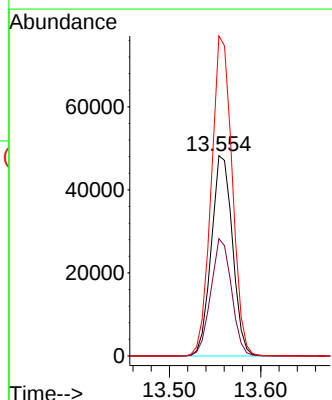
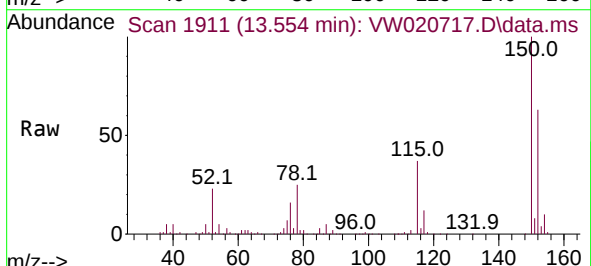
Instrument :  
MSVOA\_W  
ClientSampled :

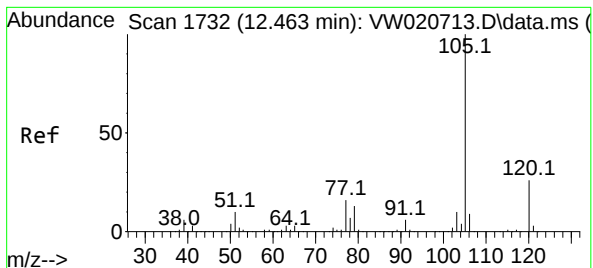
Tgt Ion:117 Resp: 150782  
Ion Ratio Lower Upper  
117 100  
82 54.9 45.7 68.5  
119 31.5 25.4 38.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.554 min Scan# 1911  
Delta R.T. -0.006 min  
Lab File: VW020717.D  
Acq: 28 Oct 2021 15:08

Tgt Ion:152 Resp: 77724  
Ion Ratio Lower Upper  
152 100  
115 57.2 28.7 86.3  
150 157.4 0.0 342.2





#73

Isopropylbenzene

Concen: 3.227 ug/l

RT: 12.469 min Scan# 1733

Delta R.T. 0.006 min

Lab File: VW020717.D

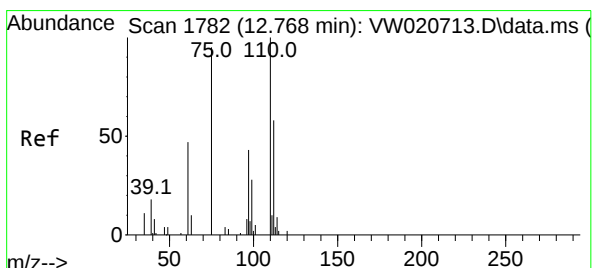
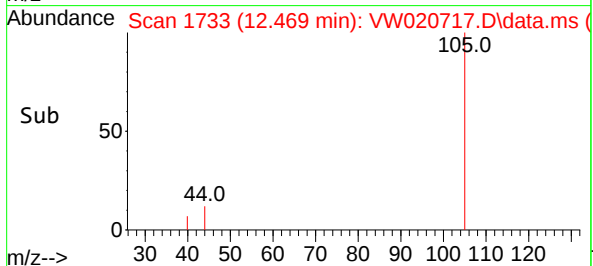
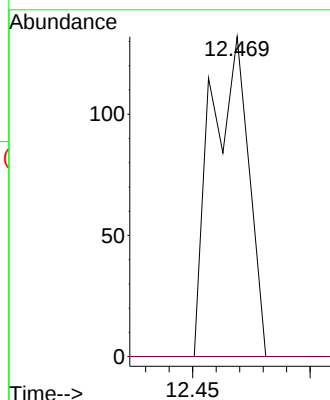
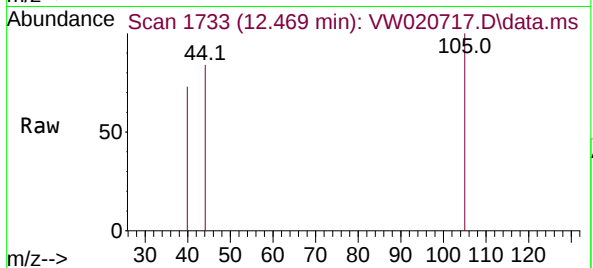
Acq: 28 Oct 2021 15:08

Tgt Ion:105 Resp: 146

Ion Ratio Lower Upper

105 100

120 0.0 12.8 38.3#



#76

1,2,3-Trichloropropane

Concen: 47.444 ug/l

RT: 12.615 min Scan# 1757

Delta R.T. -0.152 min

Lab File: VW020717.D

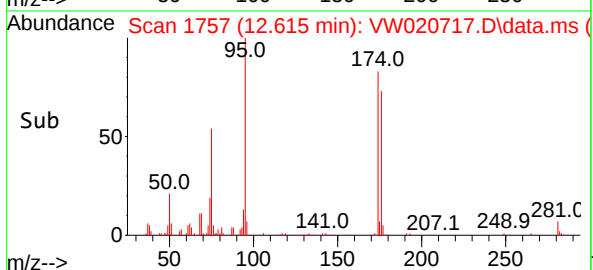
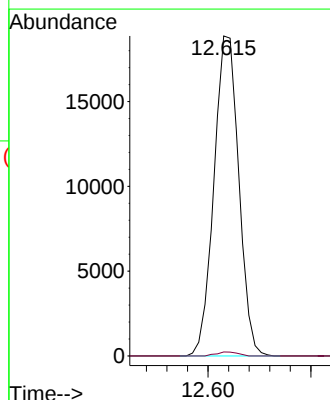
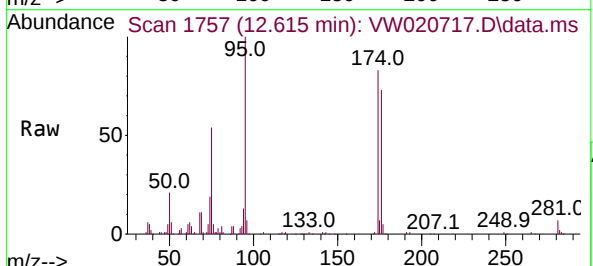
Acq: 28 Oct 2021 15:08

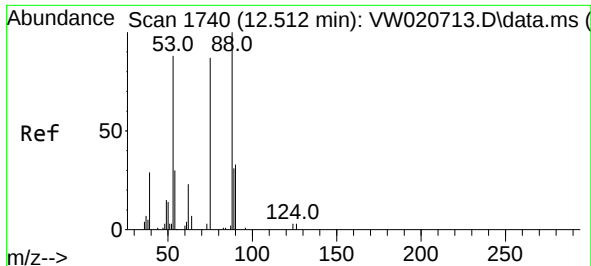
Tgt Ion: 75 Resp: 31613

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#

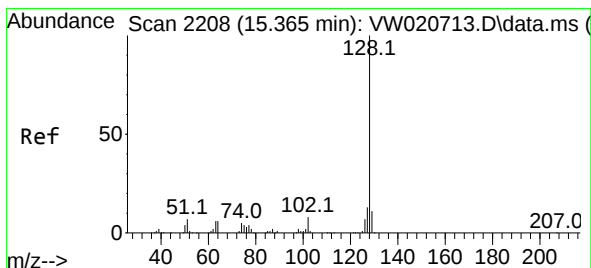
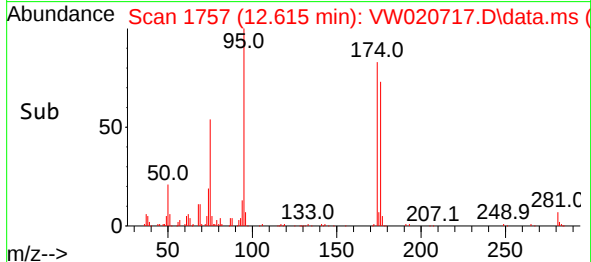
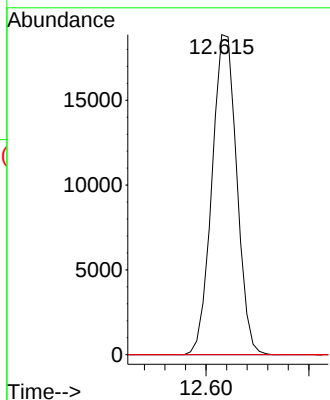
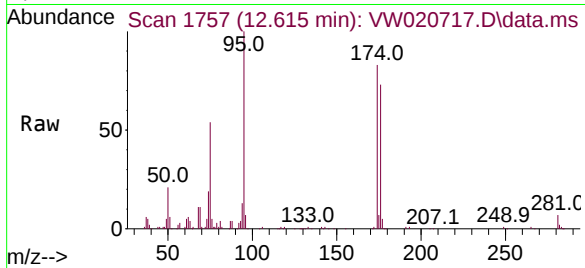




#81  
trans-1,4-Dichloro-2-butene  
Concen: 100.679 ug/l  
RT: 12.615 min Scan# 1757  
Delta R.T. 0.103 min  
Lab File: VW020717.D  
Acq: 28 Oct 2021 15:08

Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion: 75 Resp: 31613  
Ion Ratio Lower Upper  
75 100  
53 0.0 83.1 124.7#  
89 0.0 35.1 52.7#



#95  
Naphthalene  
Concen: 4.658 ug/l  
RT: 15.365 min Scan# 2208  
Delta R.T. -0.000 min  
Lab File: VW020717.D  
Acq: 28 Oct 2021 15:08

Tgt Ion: 128 Resp: 595  
Ion Ratio Lower Upper  
128 100  
127 6.9 10.6 16.0#  
129 0.0 8.6 12.8#

