

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD101022\  
 Data File : VD074505.D  
 Acq On : 10 Oct 2022 16:28  
 Operator : VA/SY  
 Sample : N5058-05RE  
 Misc : 5.03G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 BP-VPB-RW5-GW-823-825

Quant Time: Oct 11 08:21:30 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D100522S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 06 01:54:40 2022  
 Response via : Initial Calibration

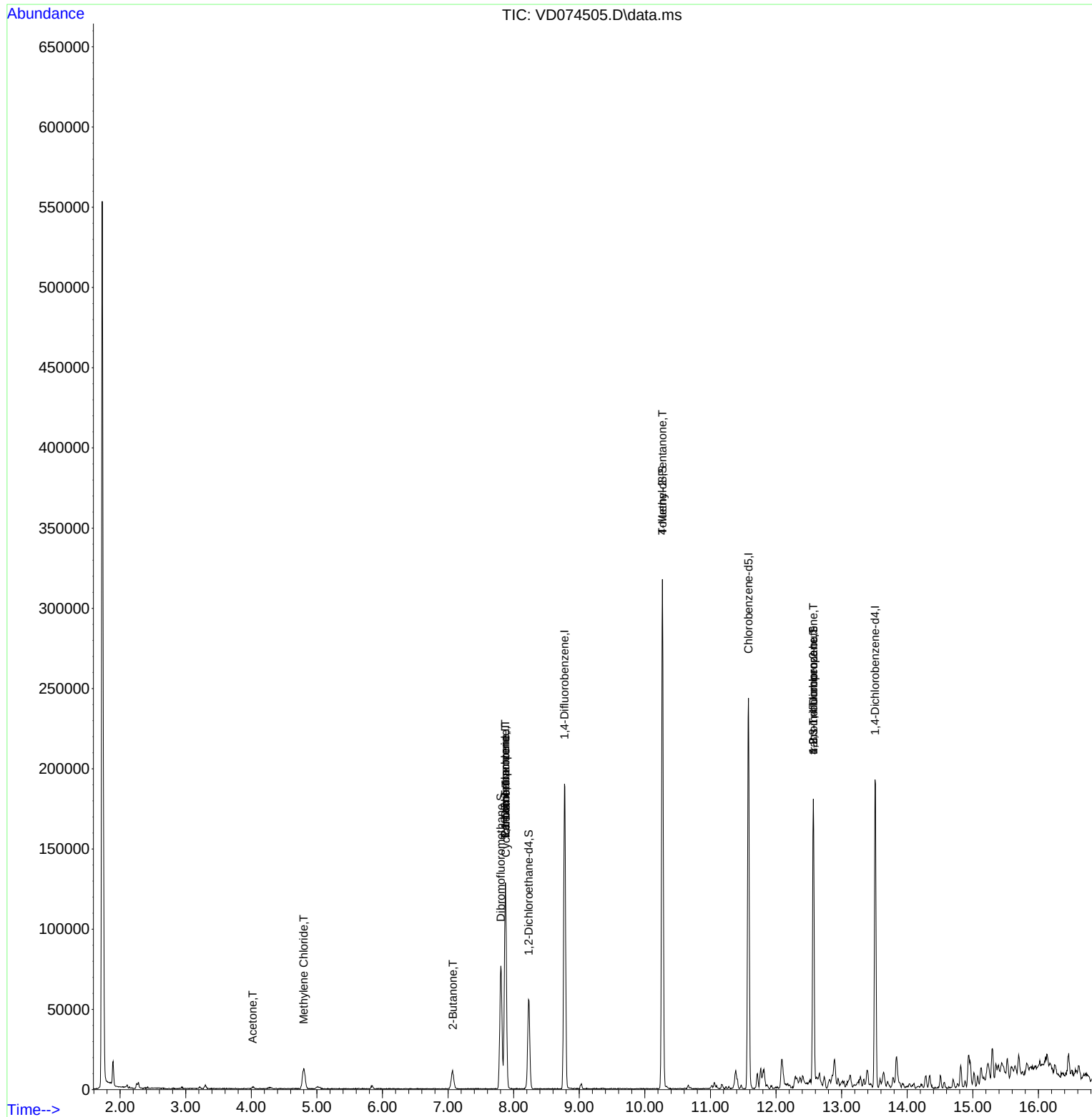
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 7.875          | 168  | 103652     | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.775          | 114  | 182051     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.581         | 117  | 152897     | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.510         | 152  | 54790      | 50.000    | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.228          | 65   | 44234      | 48.033    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = | 96.060%   |        |          |
| 35) Dibromofluoromethane      | 7.804          | 113  | 56978      | 47.463    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = | 94.920%   |        |          |
| 50) Toluene-d8                | 10.269         | 98   | 225599     | 51.397    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = | 102.800%  |        |          |
| 62) 4-Bromofluorobenzene      | 12.569         | 95   | 55758      | 39.900    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = | 79.800%   |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        |          |
| 11) Tert butyl alcohol        | 5.016          | 59   | 1331       | Below Cal | #      | 84       |
| 16) Acetone                   | 4.022          | 43   | 1663       | 18.217    | ug/l # | 37       |
| 20) Methylene Chloride        | 4.799          | 84   | 10867      | 2.746     | ug/l   | 91       |
| 25) 2-Butanone                | 7.075          | 43   | 517        | 1.957     | ug/l # | 42       |
| 31) Cyclohexane               | 7.881          | 56   | 1959       | 1.059     | ug/l # | 31       |
| 36) 1,1-Dichloropropene       | 7.875          | 75   | 7844       | 4.655     | ug/l # | 45       |
| 38) Carbon Tetrachloride      | 7.875          | 117  | 10289      | 6.891     | ug/l # | 20       |
| 51) 4-Methyl-2-Pentanone      | 10.269         | 43   | 673        | 1.283     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.569         | 75   | 28207      | 67.066    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.569         | 75   | 28207      | 149.632   | ug/l # | 17       |
| -----                         |                |      |            |           |        |          |

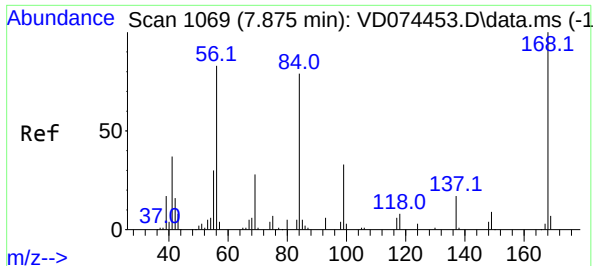
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD101022\  
Data File : VD074505.D  
Acq On : 10 Oct 2022 16:28  
Operator : VA/SY  
Sample : N5058-05RE  
Misc : 5.03G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
BP-VPB-RW5-GW-823-825

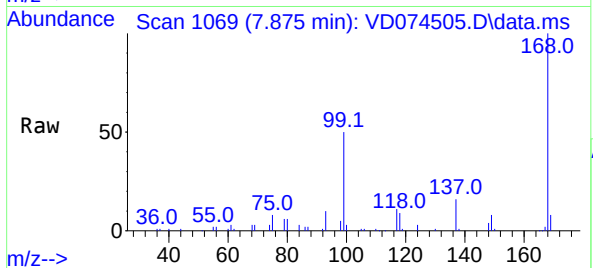
Quant Time: Oct 11 08:21:30 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D100522S.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 06 01:54:40 2022  
Response via : Initial Calibration



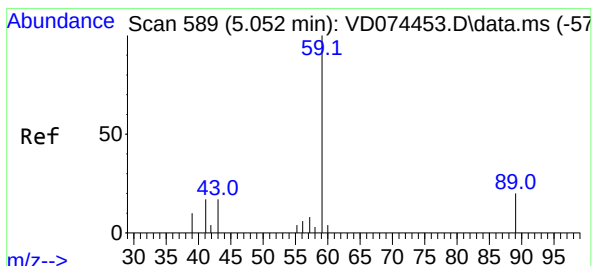
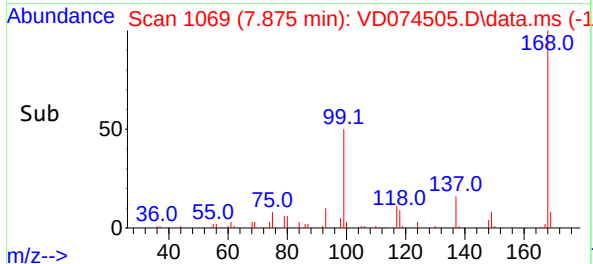
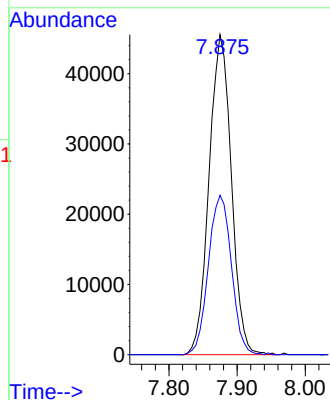


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.000 min  
Lab File: VD074505.D  
Acq: 10 Oct 2022 16:28

Instrument :  
MSVOA\_D  
ClientSampleId :  
BP-VPB-RW5-GW-823-825

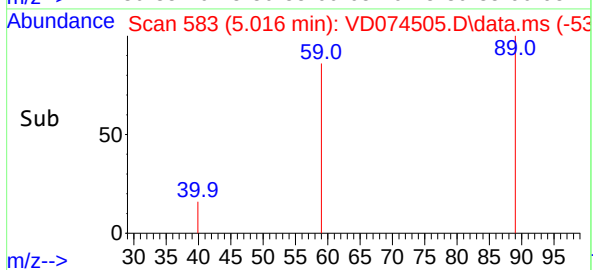
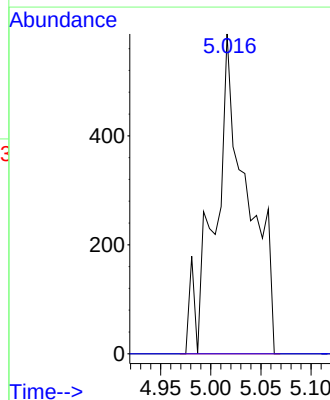
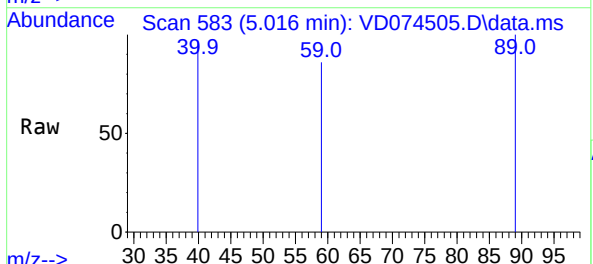


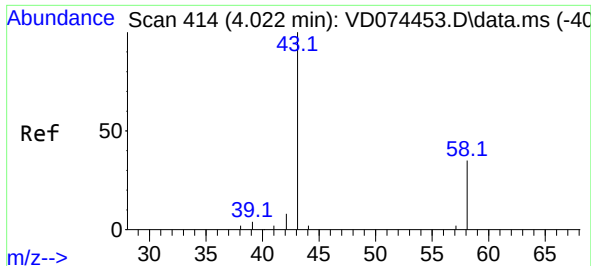
Tgt Ion:168 Resp: 103652  
Ion Ratio Lower Upper  
168 100  
99 49.8 40.9 61.3



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 5.016 min Scan# 583  
Delta R.T. -0.036 min  
Lab File: VD074505.D  
Acq: 10 Oct 2022 16:28

Tgt Ion: 59 Resp: 1331  
Ion Ratio Lower Upper  
59 100  
57 0.0 4.4 6.6#

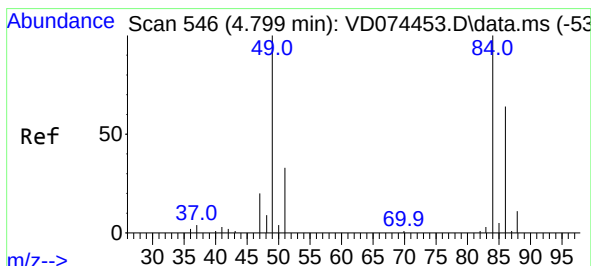
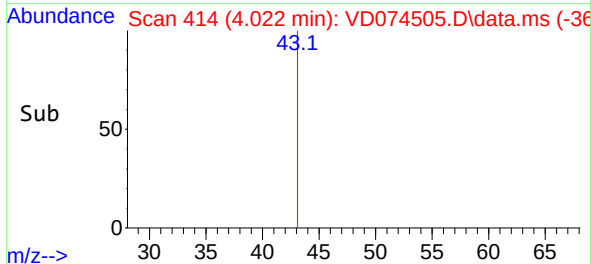
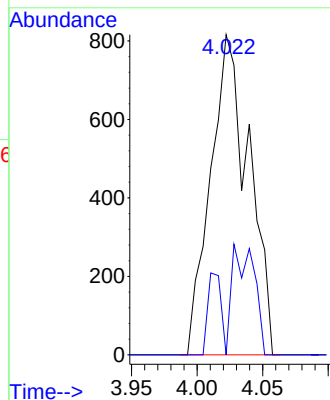
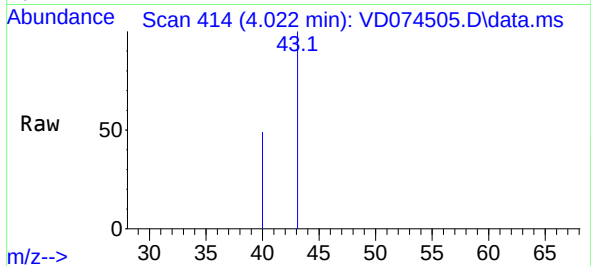




#16  
Acetone  
Concen: 18.217 ug/l  
RT: 4.022 min Scan# 414  
Delta R.T. 0.000 min  
Lab File: VD074505.D  
Acq: 10 Oct 2022 16:28

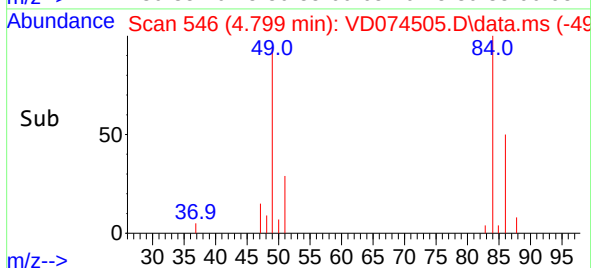
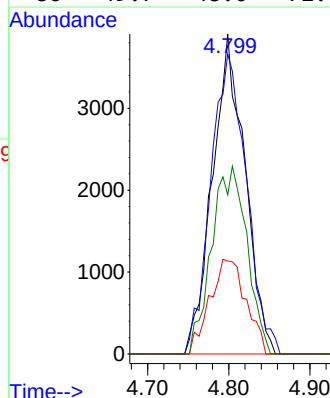
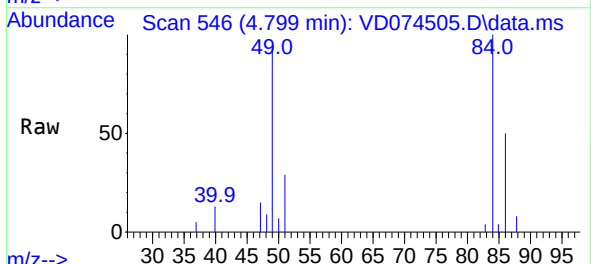
Instrument :  
MSVOA\_D  
ClientSampleId :  
BP-VPB-RW5-GW-823-825

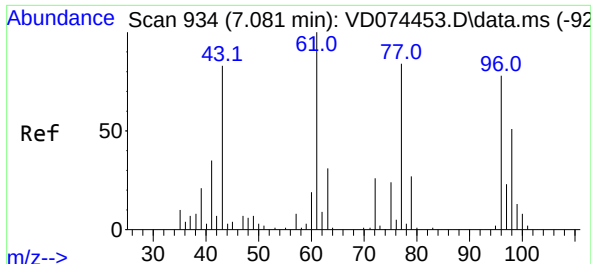
Tgt Ion: 43 Resp: 1663  
Ion Ratio Lower Upper  
43 100  
58 0.0 30.2 45.2#



#20  
Methylene Chloride  
Concen: 2.746 ug/l  
RT: 4.799 min Scan# 546  
Delta R.T. -0.000 min  
Lab File: VD074505.D  
Acq: 10 Oct 2022 16:28

Tgt Ion: 84 Resp: 10867  
Ion Ratio Lower Upper  
84 100  
49 93.7 68.0 102.0  
51 29.1 23.2 34.8  
86 49.7 48.0 72.0





#25

2-Butanone

Concen: 1.957 ug/l

RT: 7.075 min Scan# 91

Delta R.T. -0.006 min

Lab File: VD074505.D

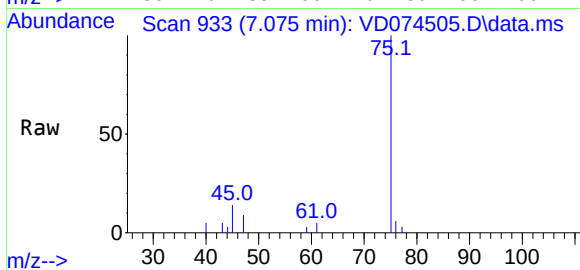
Acq: 10 Oct 2022 16:28

Instrument :

MSVOA\_D

ClientSampleId :

BP-VPB-RW5-GW-823-825

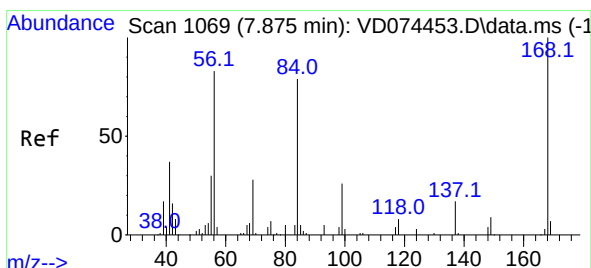
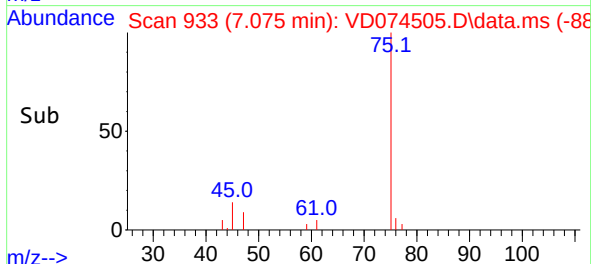
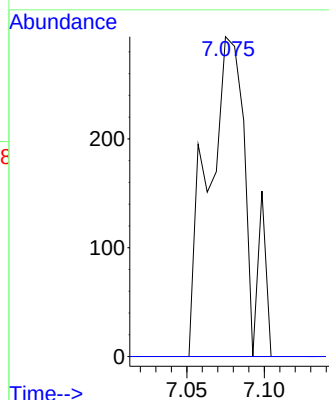


Tgt Ion: 43 Resp: 517

Ion Ratio Lower Upper

43 100

72 0.0 25.8 38.8#



#31

Cyclohexane

Concen: 1.059 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. 0.006 min

Lab File: VD074505.D

Acq: 10 Oct 2022 16:28

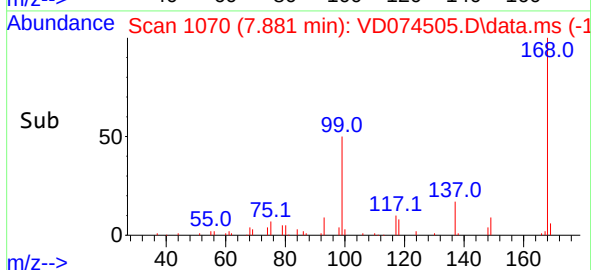
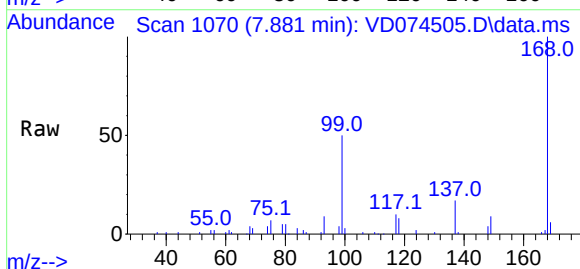
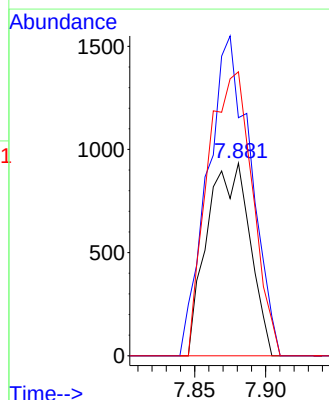
Tgt Ion: 56 Resp: 1959

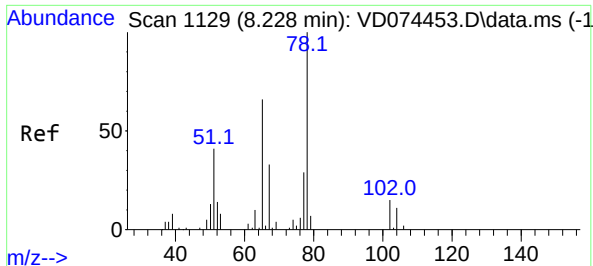
Ion Ratio Lower Upper

56 100

69 123.6 29.2 43.8#

84 147.3 83.4 125.2#

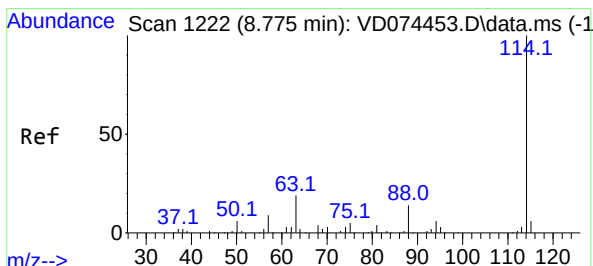
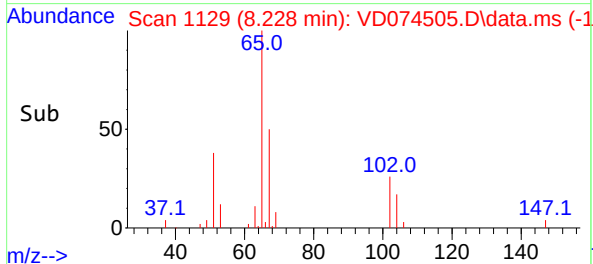
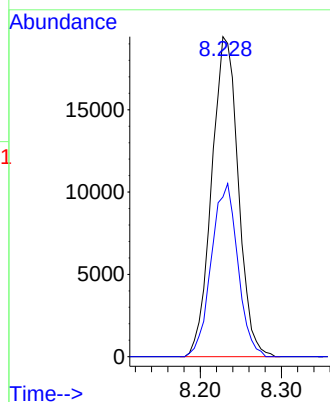
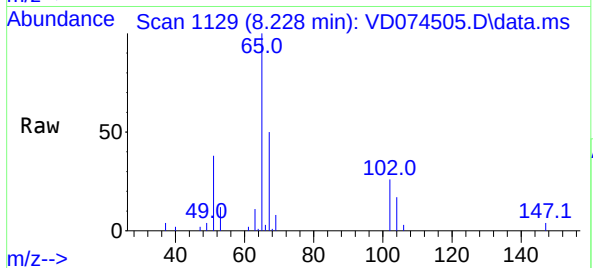




#33  
1,2-Dichloroethane-d4  
Concen: 48.033 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. -0.000 min  
Lab File: VD074505.D  
Acq: 10 Oct 2022 16:28

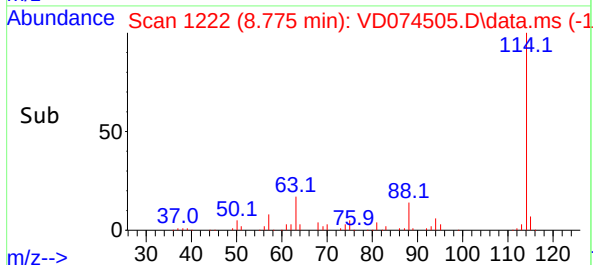
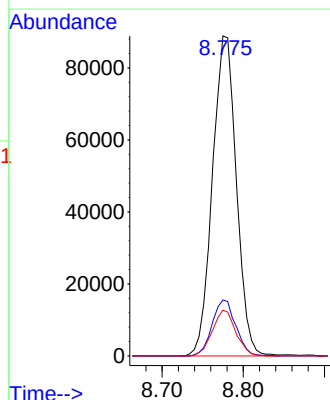
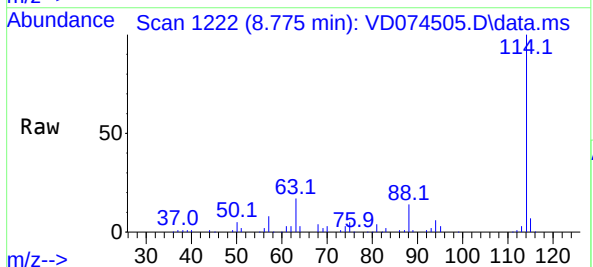
Instrument : MSVOA\_D  
ClientSampleId : BP-VPB-RW5-GW-823-825

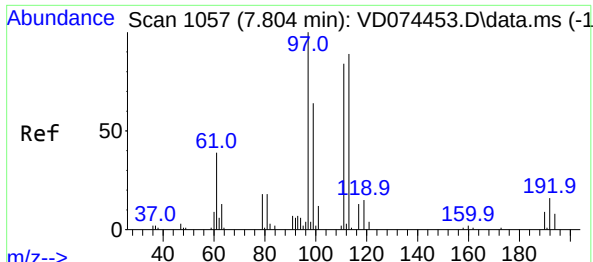
Tgt Ion: 65 Resp: 44234  
Ion Ratio Lower Upper  
65 100  
67 53.7 0.0 110.2



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.775 min Scan# 1222  
Delta R.T. -0.000 min  
Lab File: VD074505.D  
Acq: 10 Oct 2022 16:28

Tgt Ion: 114 Resp: 182051  
Ion Ratio Lower Upper  
114 100  
63 17.5 0.0 33.2  
88 14.3 0.0 28.2





#35

Dibromofluoromethane

Concen: 47.463 ug/l

RT: 7.804 min Scan# 1069

Delta R.T. -0.000 min

Lab File: VD074505.D

Acq: 10 Oct 2022 16:28

Instrument :

MSVOA\_D

ClientSampleId :

BP-VPB-RW5-GW-823-825

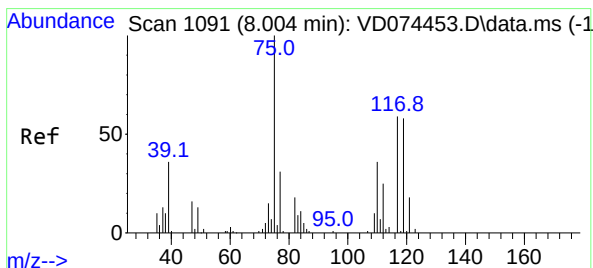
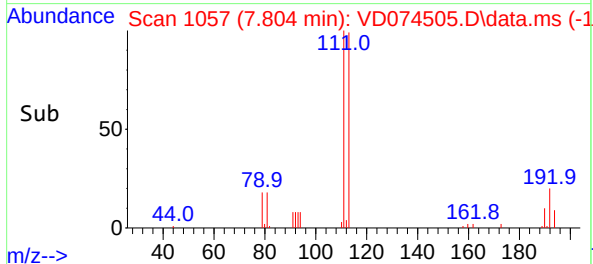
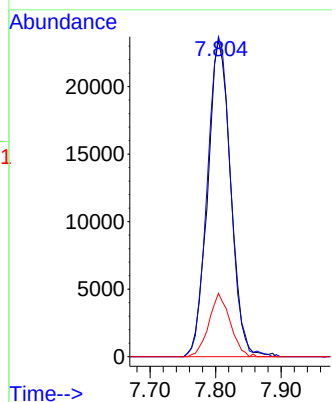
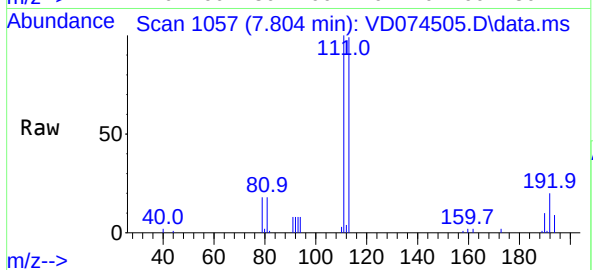
Tgt Ion:113 Resp: 56978

Ion Ratio Lower Upper

113 100

111 102.0 82.3 123.5

192 18.5 16.4 24.6



#36

1,1-Dichloropropene

Concen: 4.655 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.130 min

Lab File: VD074505.D

Acq: 10 Oct 2022 16:28

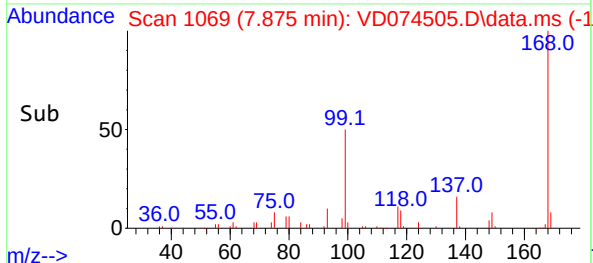
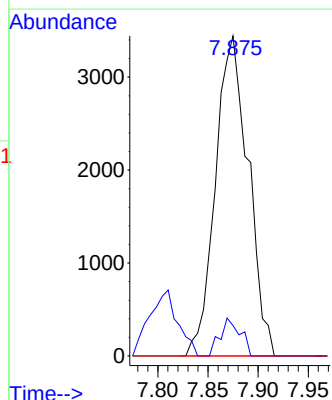
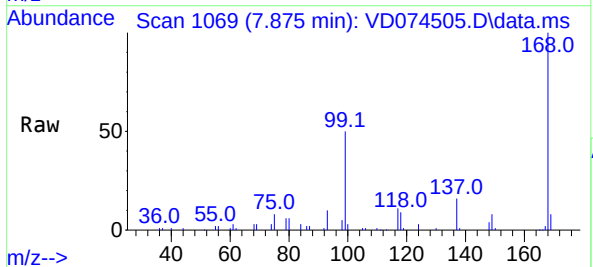
Tgt Ion: 75 Resp: 7844

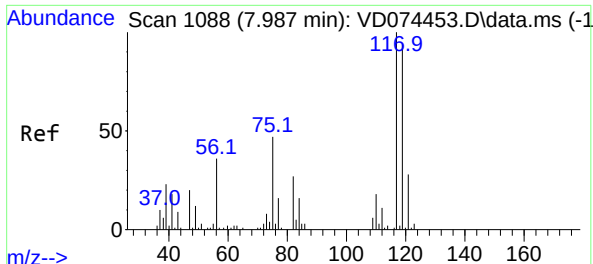
Ion Ratio Lower Upper

75 100

110 7.2 19.7 59.0#

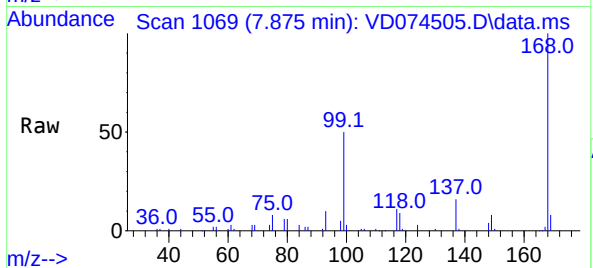
77 0.0 25.4 38.2#



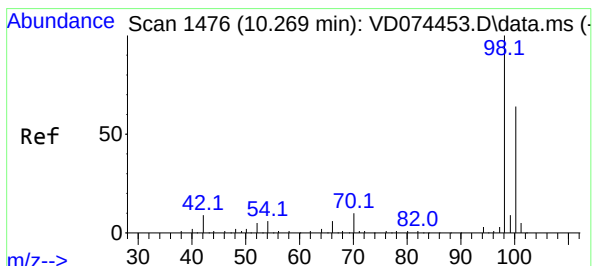
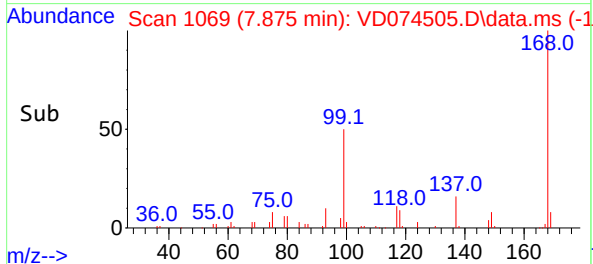
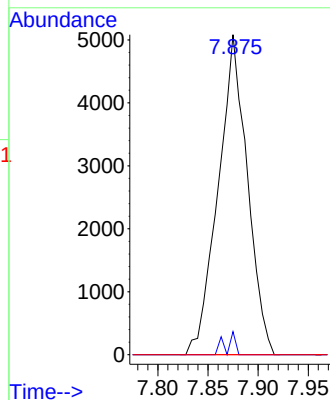


#38  
Carbon Tetrachloride  
Concen: 6.891 ug/l  
RT: 7.875 min Scan# 1088  
Delta R.T. -0.112 min  
Lab File: VD074505.D  
Acq: 10 Oct 2022 16:28

Instrument : MSVOA\_D  
ClientSampleId : BP-VPB-RW5-GW-823-825

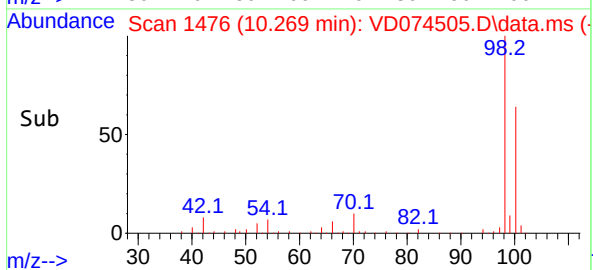
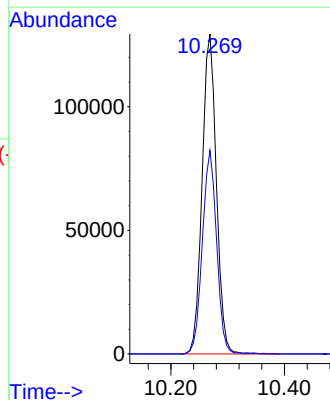
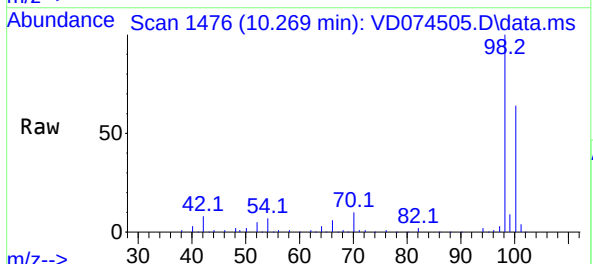


Tgt Ion:117 Resp: 10289  
Ion Ratio Lower Upper  
117 100  
119 7.2 73.1 109.7#  
121 0.0 25.0 37.6#

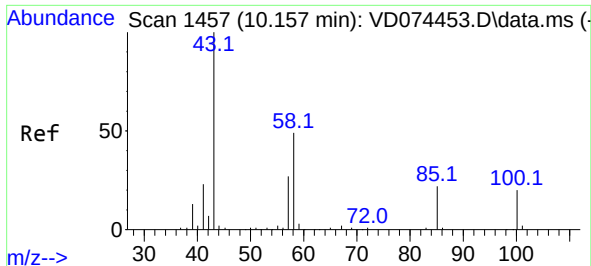


#50  
Toluene-d8  
Concen: 51.397 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. -0.000 min  
Lab File: VD074505.D  
Acq: 10 Oct 2022 16:28

Tgt Ion: 98 Resp: 225599  
Ion Ratio Lower Upper  
98 100  
100 63.7 51.4 77.0







#51

4-Methyl-2-Pentanone

Concen: 1.283 ug/l

RT: 10.269 min Scan# 1457

Delta R.T. 0.112 min

Lab File: VD074505.D

Acq: 10 Oct 2022 16:28

Instrument :

MSVOA\_D

ClientSampleId :

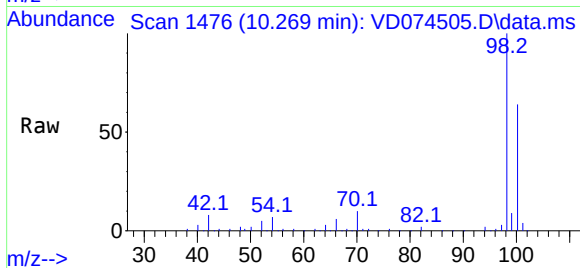
BP-VPB-RW5-GW-823-825

Tgt Ion: 43 Resp: 673

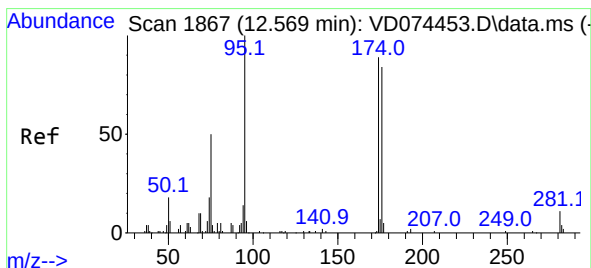
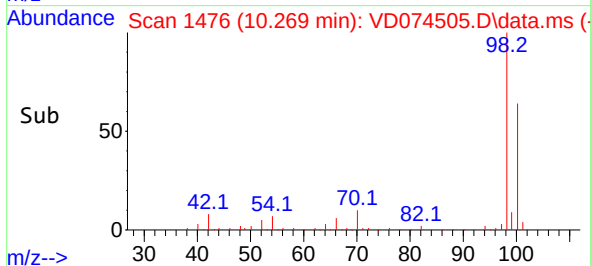
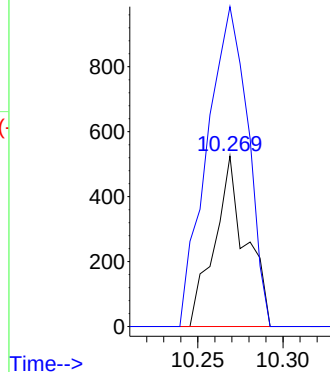
Ion Ratio Lower Upper

43 100

58 244.3 37.8 56.6#



Abundance



#62

4-Bromofluorobenzene

Concen: 39.900 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.000 min

Lab File: VD074505.D

Acq: 10 Oct 2022 16:28

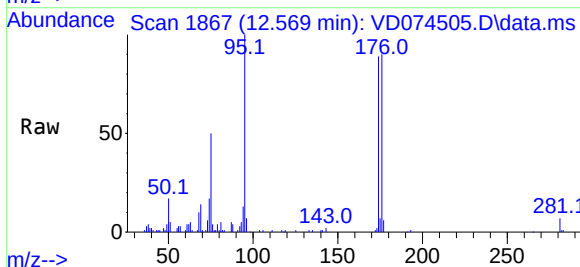
Tgt Ion: 95 Resp: 55758

Ion Ratio Lower Upper

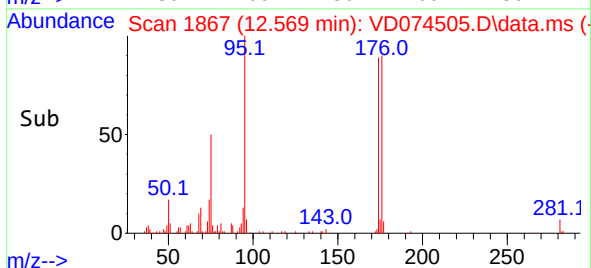
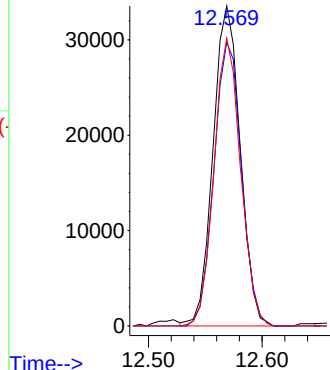
95 100

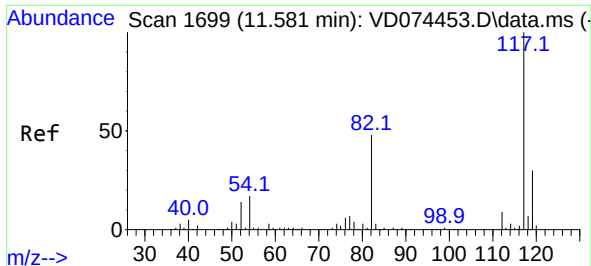
174 89.5 0.0 197.0

176 87.9 0.0 182.6



Abundance

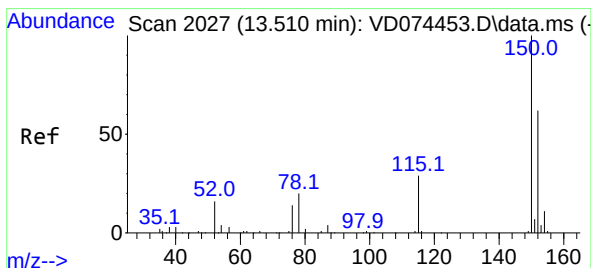
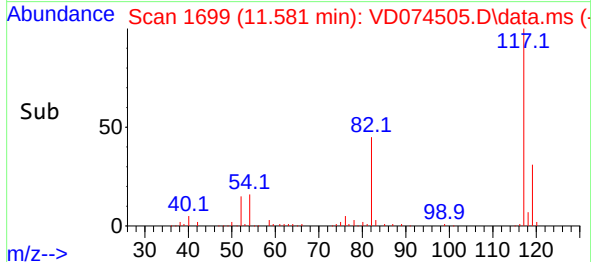
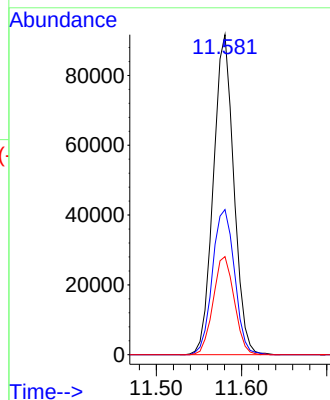
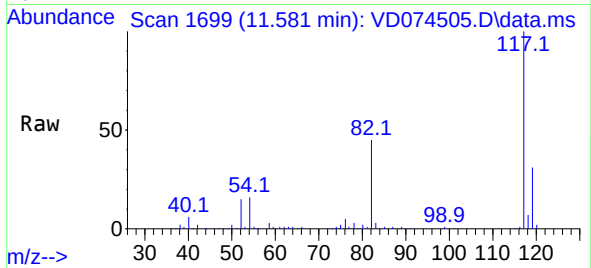




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VD074505.D  
Acq: 10 Oct 2022 16:28

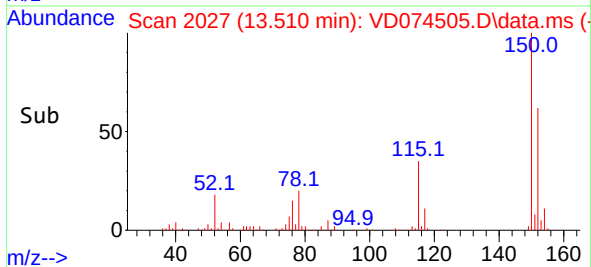
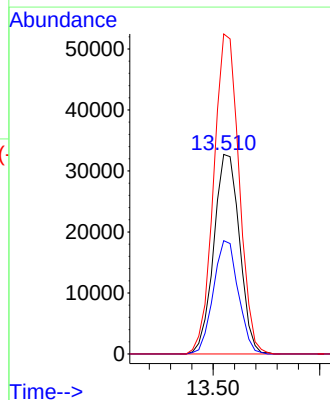
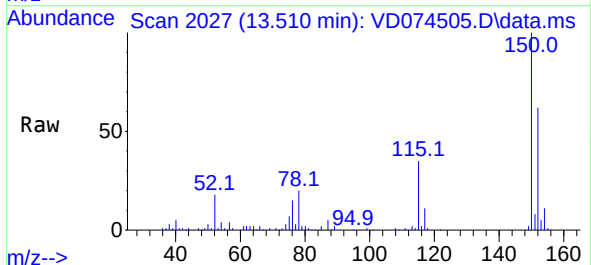
Instrument :  
MSVOA\_D  
ClientSampleId :  
BP-VPB-RW5-GW-823-825

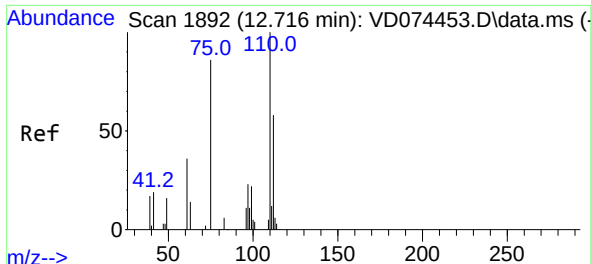
Tgt Ion:117 Resp: 152897  
Ion Ratio Lower Upper  
117 100  
82 45.4 41.6 62.4  
119 30.7 25.2 37.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.510 min Scan# 2027  
Delta R.T. -0.000 min  
Lab File: VD074505.D  
Acq: 10 Oct 2022 16:28

Tgt Ion:152 Resp: 54790  
Ion Ratio Lower Upper  
152 100  
115 55.1 26.8 80.4  
150 158.0 0.0 348.2

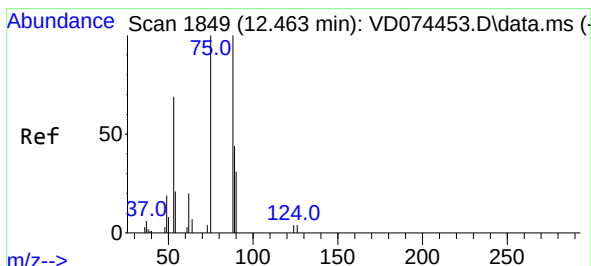
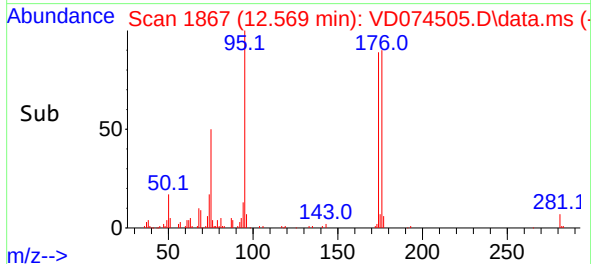
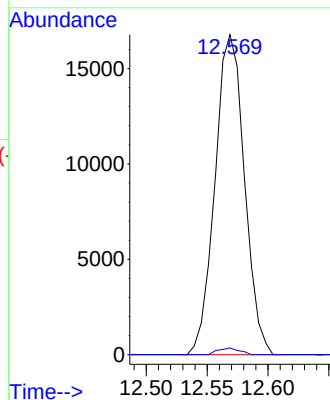
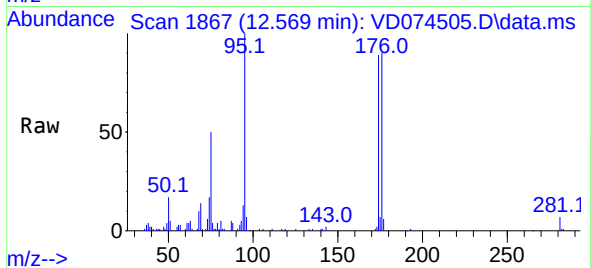




#76  
1,2,3-Trichloropropane  
Concen: 67.066 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. -0.147 min  
Lab File: VD074505.D  
Acq: 10 Oct 2022 16:28

Instrument :  
MSVOA\_D  
ClientSampleId :  
BP-VPB-RW5-GW-823-825

Tgt Ion: 75 Resp: 28207  
Ion Ratio Lower Upper  
75 100  
77 1.5 185.8 557.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 149.632 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. 0.106 min  
Lab File: VD074505.D  
Acq: 10 Oct 2022 16:28

Tgt Ion: 75 Resp: 28207  
Ion Ratio Lower Upper  
75 100  
53 0.2 63.8 95.6#  
89 0.0 38.2 57.4#

