

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD011524\  
 Data File : VD078158.D  
 Acq On : 15 Jan 2024 12:34  
 Operator : RP/MD  
 Sample : P1136-01  
 Misc : 5.01G/5.0ml/MSVOA\_D/SOIL/A  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Jan 16 00:34:29 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D010824S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 09 01:29:14 2024  
 Response via : Initial Calibration

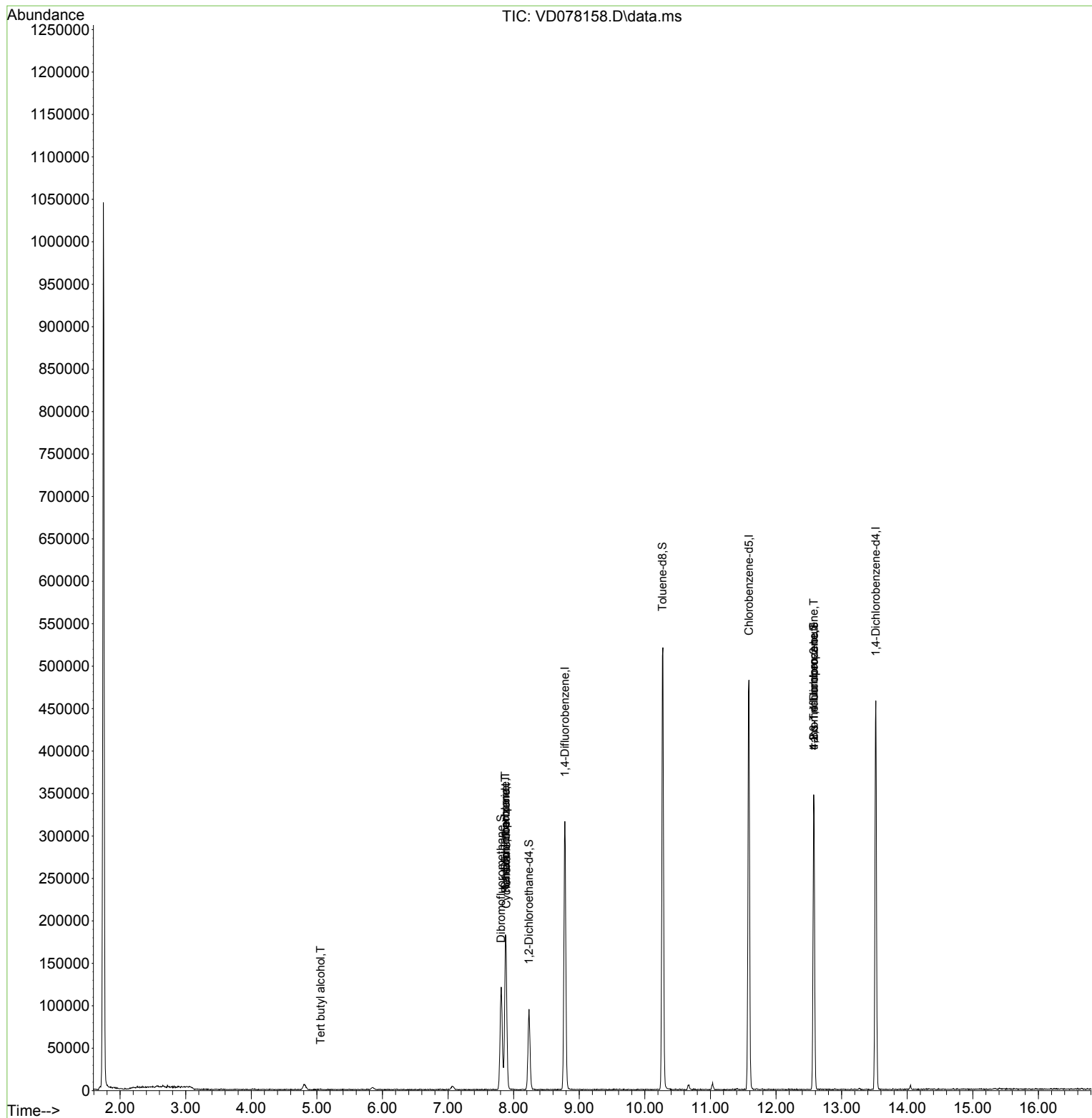
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.881  | 168   | 138415   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.781  | 114   | 280659   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.587 | 117   | 276904   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.522 | 152   | 118835   | 50.000    | ug/l   | 0.00     |
|                               |        |       |          |           |        |          |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.234  | 65    | 69254    | 47.525    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 95.060%  |
| 35) Dibromofluoromethane      | 7.810  | 113   | 87679    | 43.347    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 86.700%  |
| 50) Toluene-d8                | 10.269 | 98    | 359859   | 53.049    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | =      | 106.100% |
| 62) 4-Bromofluorobenzene      | 12.575 | 95    | 106600   | 45.143    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | =      | 90.280%  |
|                               |        |       |          |           |        |          |
| Target Compounds              |        |       |          |           |        |          |
| 2) Dichlorodifluoromethane    | 1.946  | 85    | 54       | Below Cal | #      | 43       |
| 11) Tert butyl alcohol        | 5.058  | 59    | 239      | 3.219     | ug/l # | 73       |
| 16) Acetone                   | 4.011  | 43    | 338      | Below Cal | #      | 32       |
| 20) Methylene Chloride        | 4.805  | 84    | 4979     | Below Cal | #      | 80       |
| 31) Cyclohexane               | 7.887  | 56    | 3180     | 1.442     | ug/l # | 60       |
| 36) 1,1-Dichloropropene       | 7.875  | 75    | 11283    | 4.131     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 7.875  | 117   | 14565    | 4.631     | ug/l # | 17       |
| 76) 1,2,3-Trichloropropane    | 12.575 | 75    | 56507    | 48.297    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.575 | 75    | 56507    | 107.633   | ug/l # | 17       |
| -----                         |        |       |          |           |        |          |

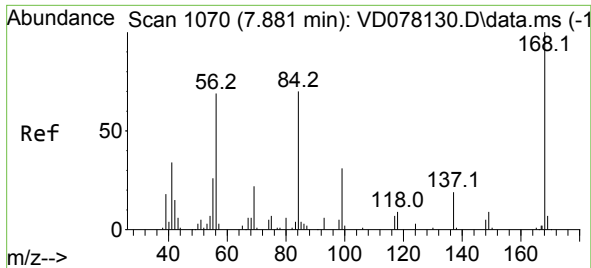
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : P1136-01  
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ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: Jan 16 00:34:29 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D010824S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 09 01:29:14 2024  
Response via : Initial Calibration

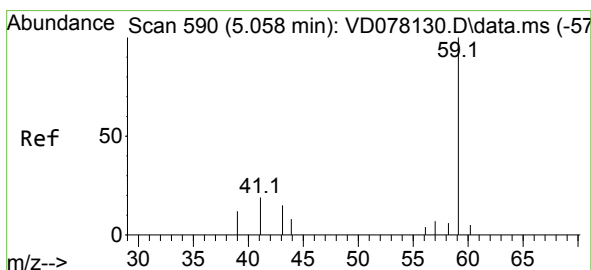
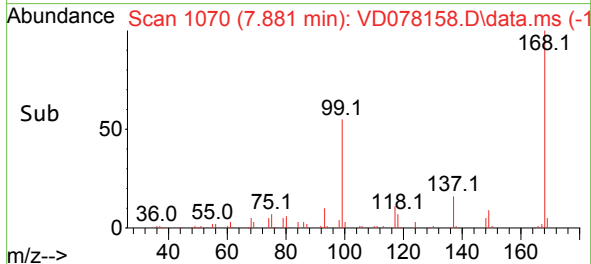
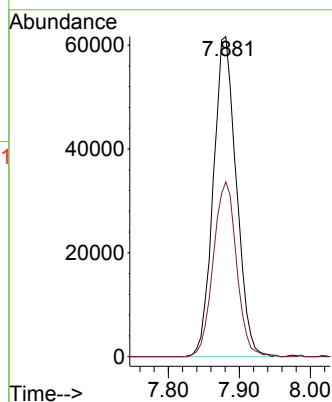
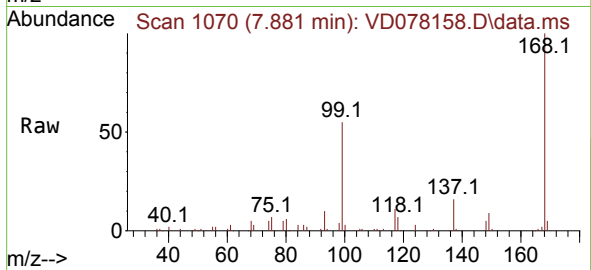




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.881 min Scan# 1070  
Delta R.T. -0.000 min  
Lab File: VD078158.D  
Acq: 15 Jan 2024 12:34

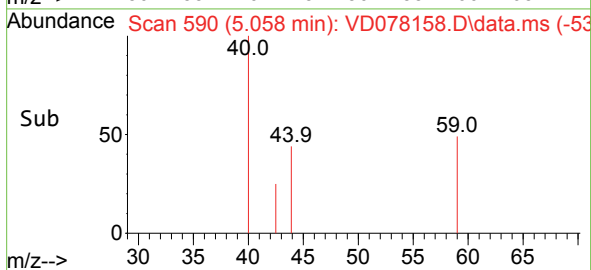
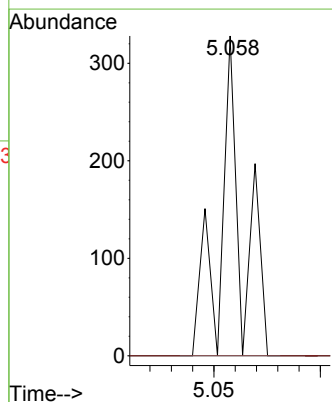
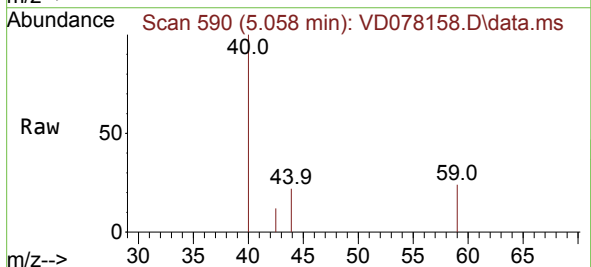
Instrument :  
MSVOA\_D  
ClientSampleId :

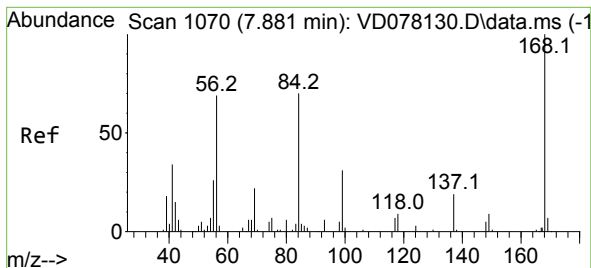
Tgt Ion:168 Resp: 138415  
Ion Ratio Lower Upper  
168 100  
99 54.6 36.7 55.1



#11  
Tert butyl alcohol  
Concen: 3.219 ug/l  
RT: 5.058 min Scan# 590  
Delta R.T. -0.000 min  
Lab File: VD078158.D  
Acq: 15 Jan 2024 12:34

Tgt Ion: 59 Resp: 239  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#





#31

Cyclohexane

Concen: 1.442 ug/l

RT: 7.887 min Scan# 1070

Delta R.T. 0.006 min

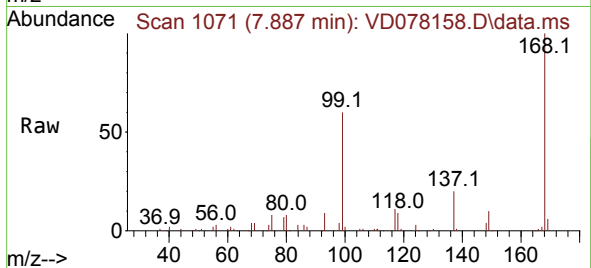
Lab File: VD078158.D

Acq: 15 Jan 2024 12:34

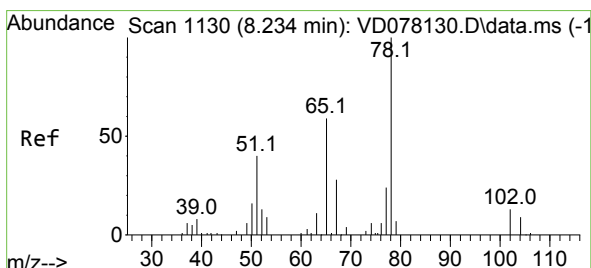
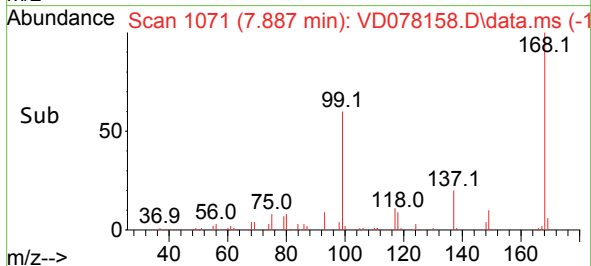
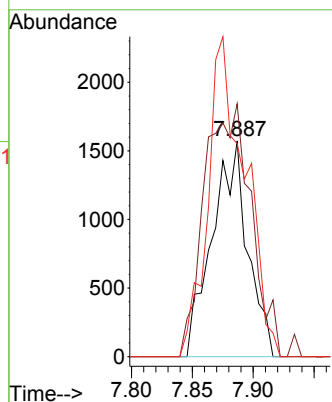
Instrument :

MSVOA\_D

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 3180  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 117.2 | 28.6  | 43.0# |
| 84       | 98.7  | 84.8  | 127.2 |



#33

1,2-Dichloroethane-d4

Concen: 47.525 ug/l

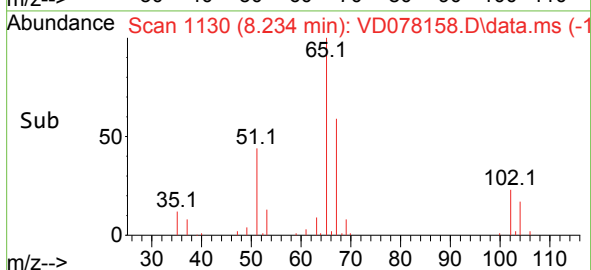
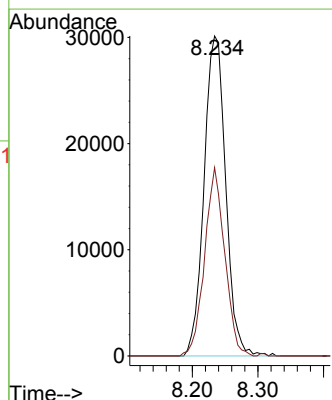
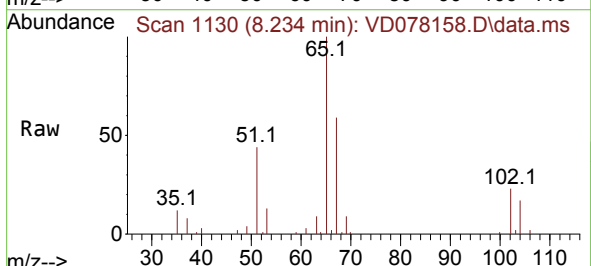
RT: 8.234 min Scan# 1130

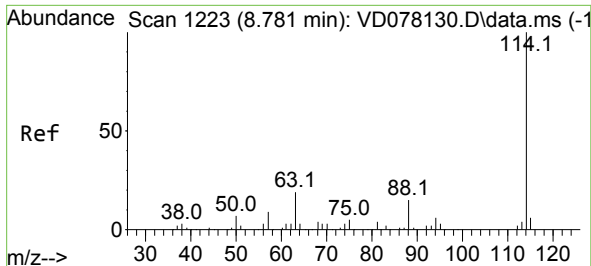
Delta R.T. -0.000 min

Lab File: VD078158.D

Acq: 15 Jan 2024 12:34

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 69254 |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 67       | 54.8  | 0.0   | 115.0 |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD078158.D

Acq: 15 Jan 2024 12:34

Instrument :

MSVOA\_D

ClientSampleId :

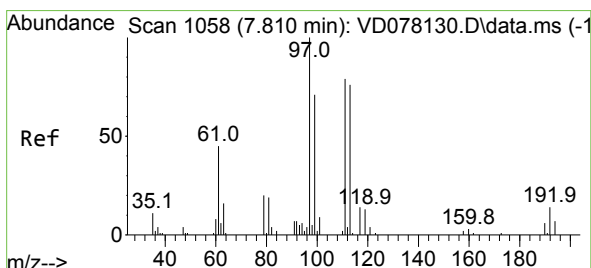
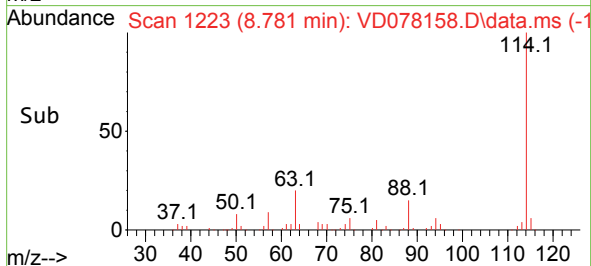
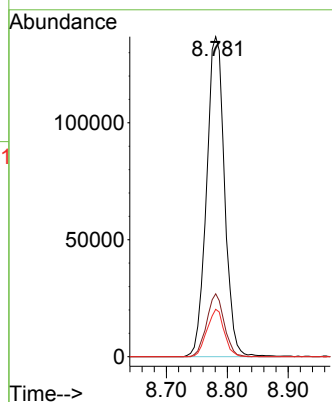
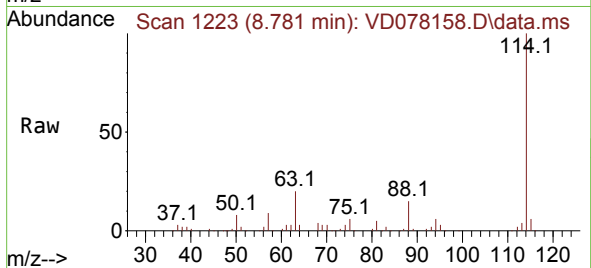
Tgt Ion:114 Resp: 280659

Ion Ratio Lower Upper

114 100

63 19.7 0.0 33.4

88 14.8 0.0 26.2



#35

Dibromofluoromethane

Concen: 43.347 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VD078158.D

Acq: 15 Jan 2024 12:34

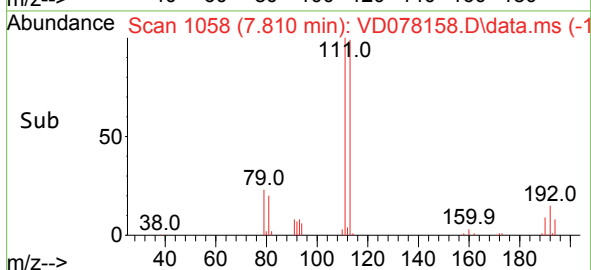
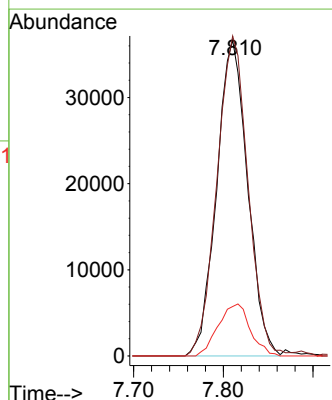
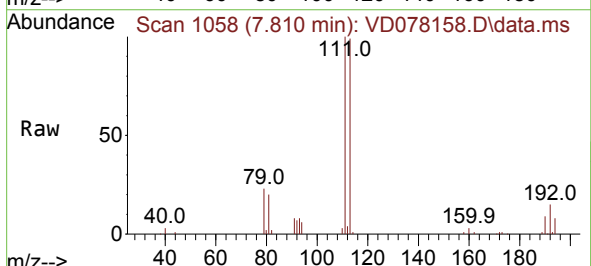
Tgt Ion:113 Resp: 87679

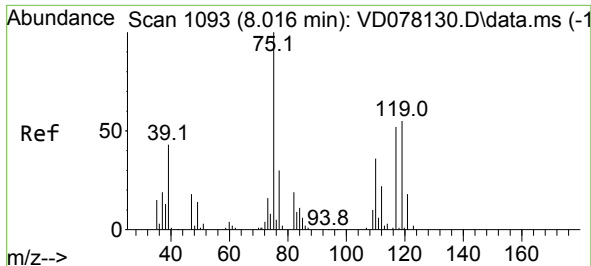
Ion Ratio Lower Upper

113 100

111 102.0 84.7 127.1

192 17.0 16.8 25.2

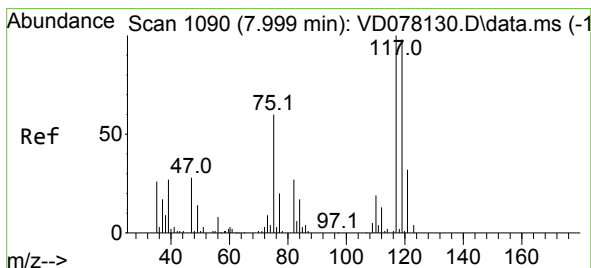
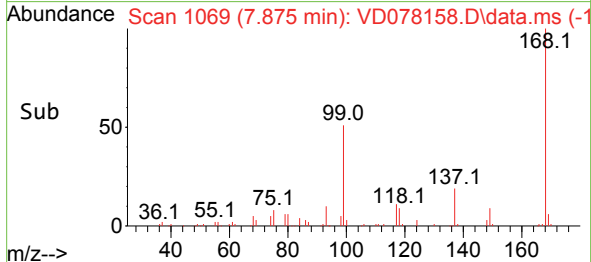
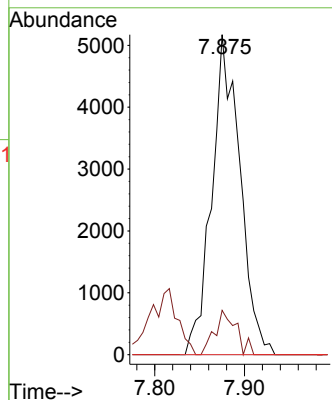
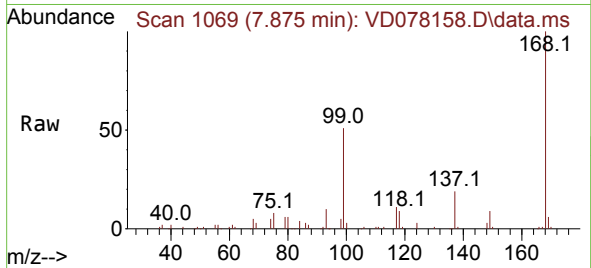




#36  
1,1-Dichloropropene  
Concen: 4.131 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.141 min  
Lab File: VD078158.D  
Acq: 15 Jan 2024 12:34

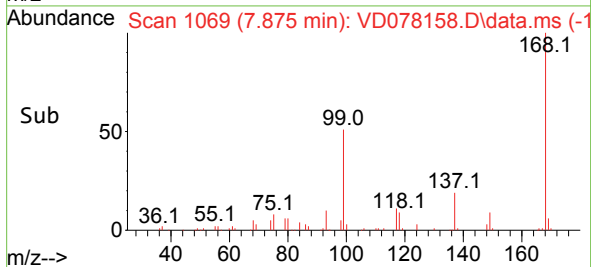
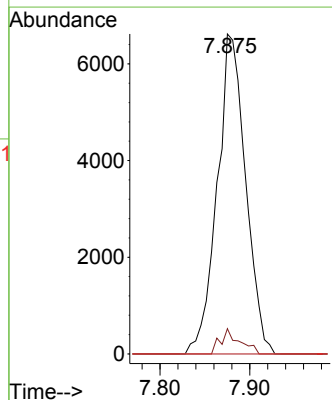
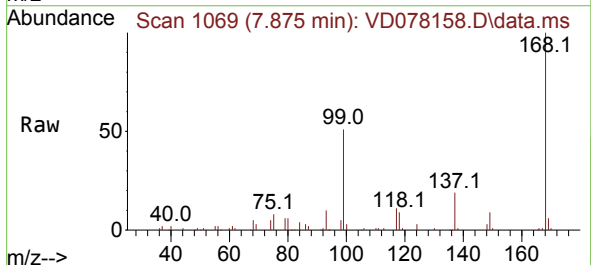
Instrument :  
MSVOA\_D  
ClientSampleId :

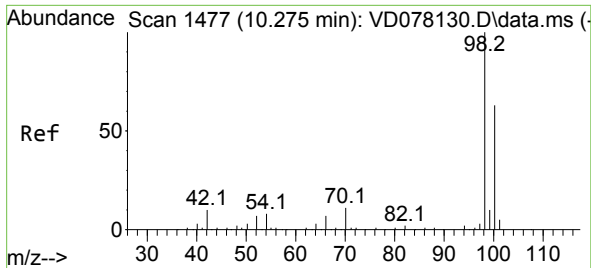
Tgt Ion: 75 Resp: 11283  
Ion Ratio Lower Upper  
75 100  
110 10.6 19.9 59.6#  
77 0.0 24.7 37.1#



#38  
Carbon Tetrachloride  
Concen: 4.631 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.124 min  
Lab File: VD078158.D  
Acq: 15 Jan 2024 12:34

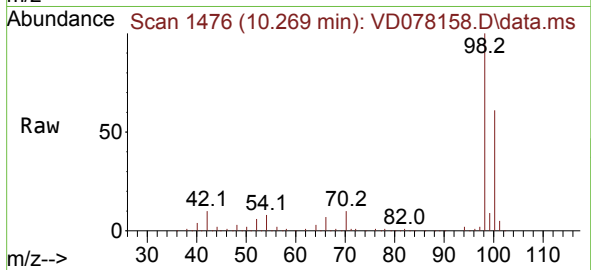
Tgt Ion: 117 Resp: 14565  
Ion Ratio Lower Upper  
117 100  
119 7.9 78.0 117.0#  
121 0.0 24.2 36.2#



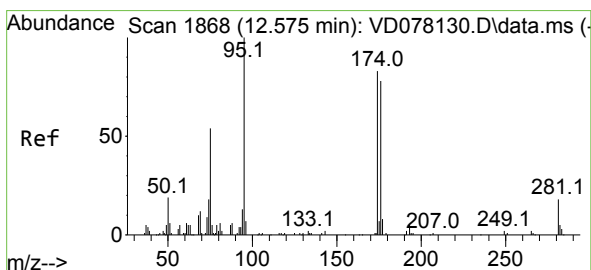
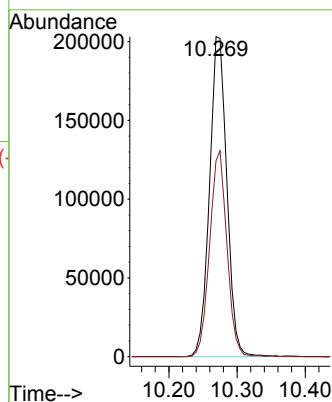
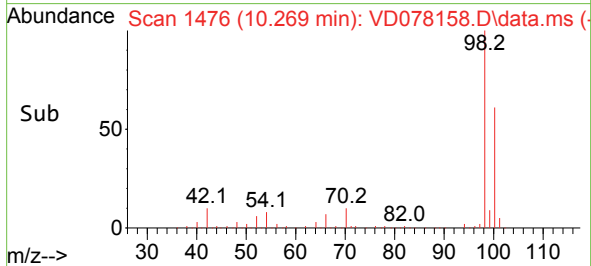


#50  
Toluene-d8  
Concen: 53.049 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. -0.006 min  
Lab File: VD078158.D  
Acq: 15 Jan 2024 12:34

Instrument :  
MSVOA\_D  
ClientSampleId :

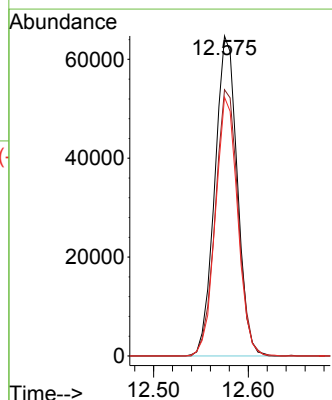
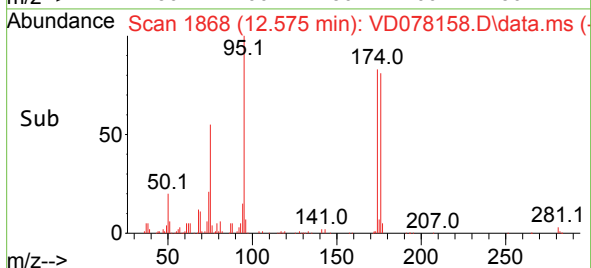
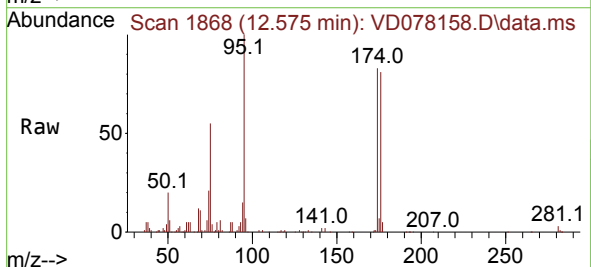


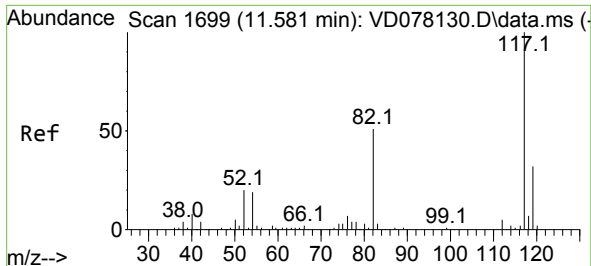
Tgt Ion: 98 Resp: 359859  
Ion Ratio Lower Upper  
98 100  
100 64.0 50.3 75.5



#62  
4-Bromofluorobenzene  
Concen: 45.143 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD078158.D  
Acq: 15 Jan 2024 12:34

Tgt Ion: 95 Resp: 106600  
Ion Ratio Lower Upper  
95 100  
174 84.8 0.0 201.8  
176 80.1 0.0 191.8

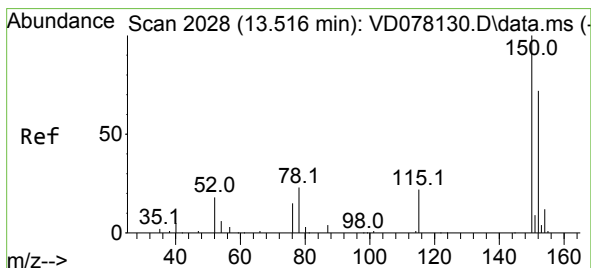
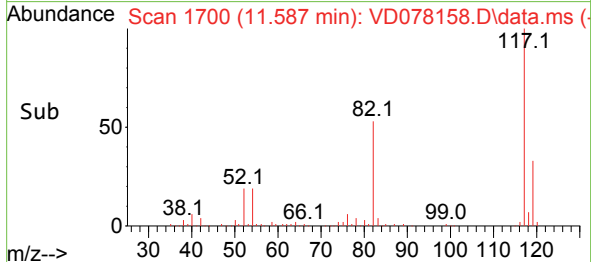
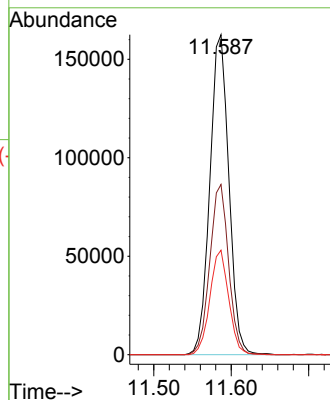
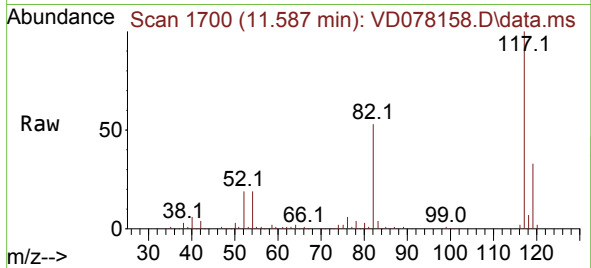




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.587 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VD078158.D  
Acq: 15 Jan 2024 12:34

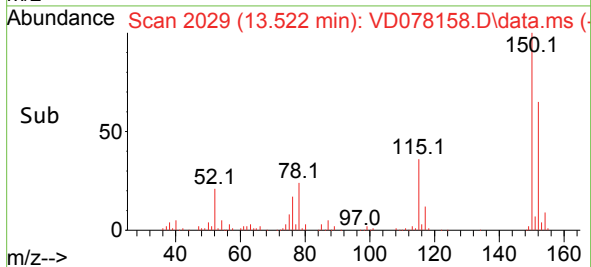
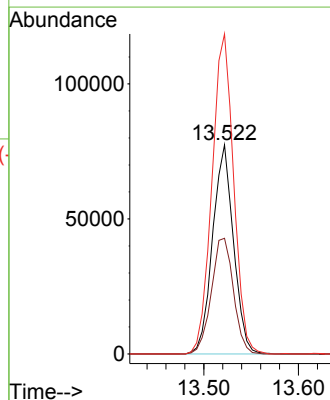
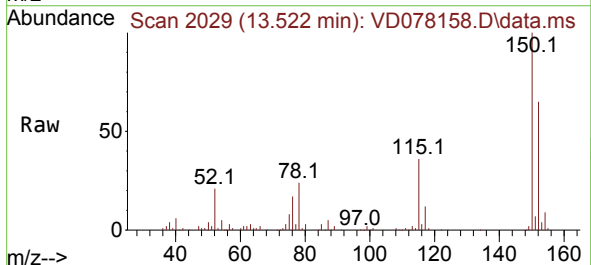
Instrument :  
MSVOA\_D  
ClientSampleId :

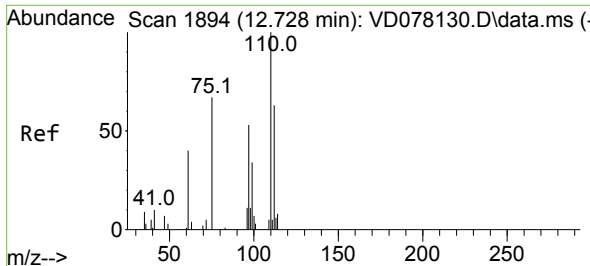
Tgt Ion:117 Resp: 276904  
Ion Ratio Lower Upper  
117 100  
82 53.2 38.3 57.5  
119 32.6 25.0 37.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.522 min Scan# 2029  
Delta R.T. 0.006 min  
Lab File: VD078158.D  
Acq: 15 Jan 2024 12:34

Tgt Ion:152 Resp: 118835  
Ion Ratio Lower Upper  
152 100  
115 58.5 27.1 81.3  
150 158.3 0.0 353.6

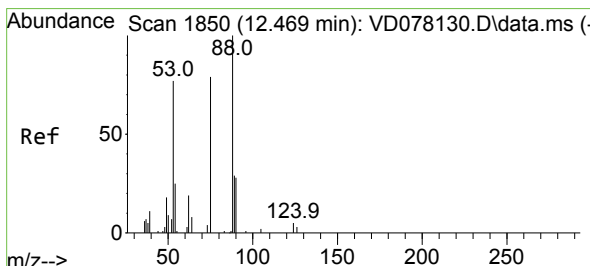
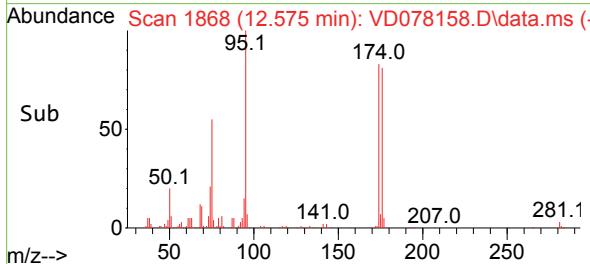
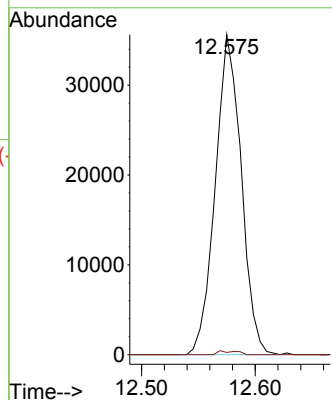
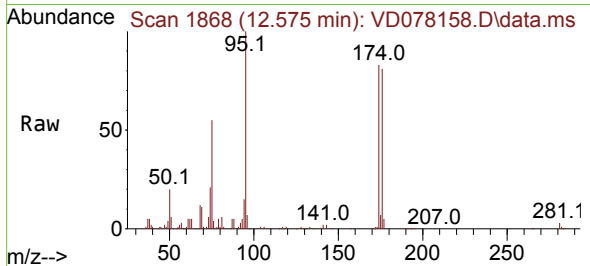




#76  
1,2,3-Trichloropropane  
Concen: 48.297 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.153 min  
Lab File: VD078158.D  
Acq: 15 Jan 2024 12:34

Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion: 75 Resp: 56507  
Ion Ratio Lower Upper  
75 100  
77 0.9 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 107.633 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.106 min  
Lab File: VD078158.D  
Acq: 15 Jan 2024 12:34

Tgt Ion: 75 Resp: 56507  
Ion Ratio Lower Upper  
75 100  
53 0.1 63.0 94.4#  
89 0.0 37.9 56.9#

