

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD052423\  
 Data File : VD076219.D  
 Acq On : 24 May 2023 17:39  
 Operator : KP/SY  
 Sample : 02892-13  
 Misc : 5.55G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-29

Quant Time: May 25 06:02:47 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051523S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 16 10:08:53 2023  
 Response via : Initial Calibration

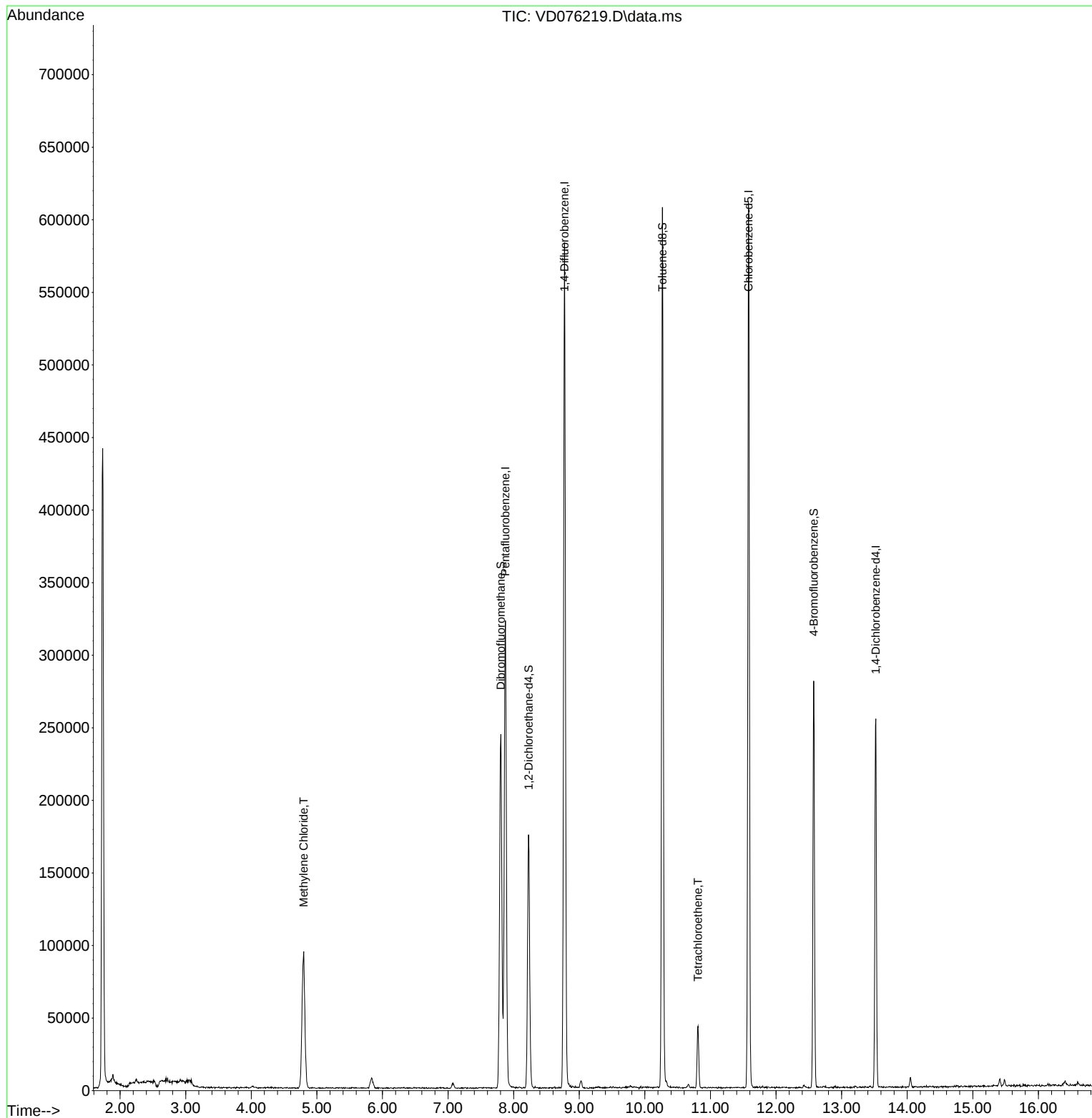
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.875  | 168   | 260200   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.775  | 114   | 550362   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.581 | 117   | 377637   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.522 | 152   | 74667    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 132355   | 52.631   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 105.260% |
| 35) Dibromofluoromethane    | 7.804  | 113   | 188148   | 49.458   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 98.920%  |
| 50) Toluene-d8              | 10.269 | 98    | 440938   | 29.733   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =      | 59.460%  |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 91175    | 22.133   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =      | 44.260%  |
| Target Compounds            |        |       |          |          |        |          |
| 20) Methylene Chloride      | 4.799  | 84    | 82400    | 14.098   | ug/l # | 80       |
| 64) Tetrachloroethene       | 10.810 | 164   | 10346    | 3.563    | ug/l   | 94       |
| -----                       |        |       |          |          |        |          |

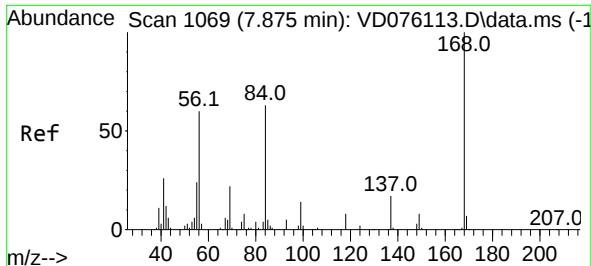
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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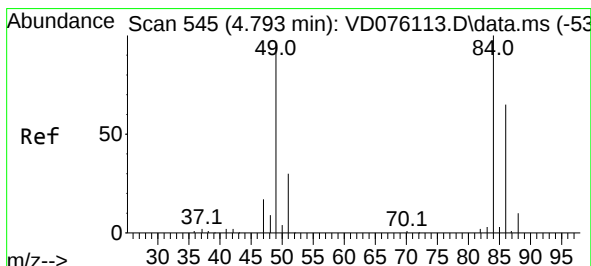
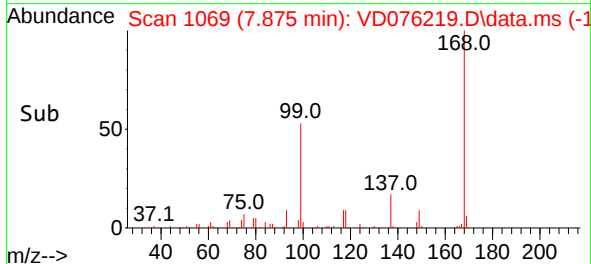
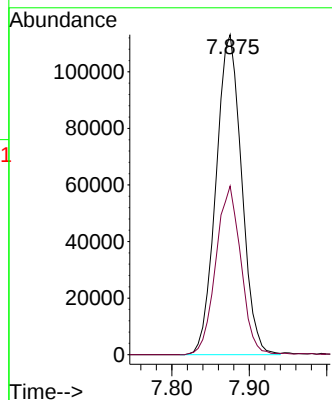
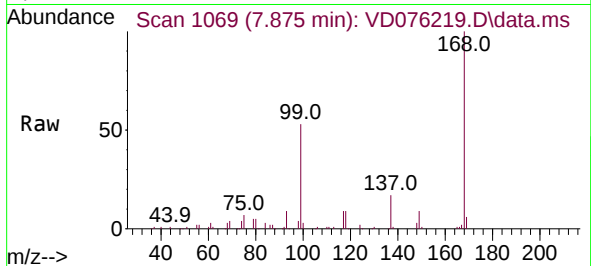




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD076219.D  
Acq: 24 May 2023 17:39

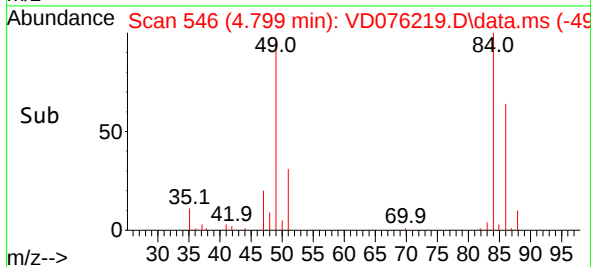
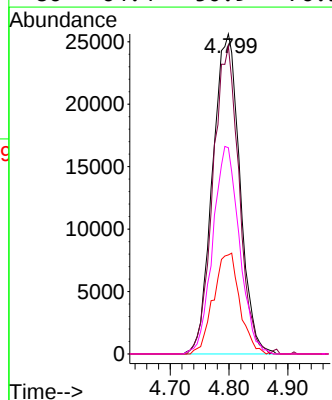
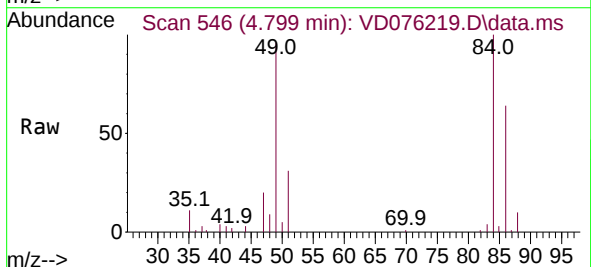
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-29

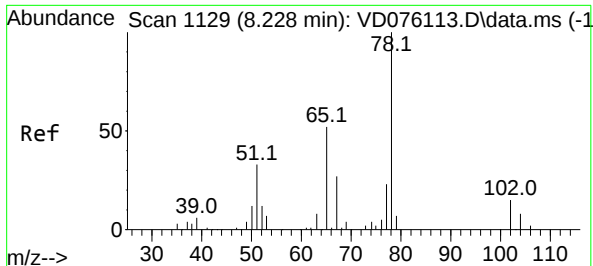
Tgt Ion:168 Resp: 260200  
Ion Ratio Lower Upper  
168 100  
99 52.7 43.8 65.6



#20  
Methylene Chloride  
Concen: 14.098 ug/l  
RT: 4.799 min Scan# 546  
Delta R.T. -0.000 min  
Lab File: VD076219.D  
Acq: 24 May 2023 17:39

Tgt Ion: 84 Resp: 82400  
Ion Ratio Lower Upper  
84 100  
49 96.2 106.4 159.6#  
51 31.0 32.4 48.6#  
86 64.4 50.9 76.3





#33

1,2-Dichloroethane-d4

Concen: 52.631 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD076219.D

Acq: 24 May 2023 17:39

Instrument :

MSVOA\_D

ClientSampleId :

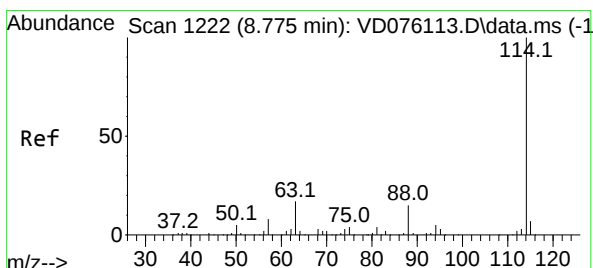
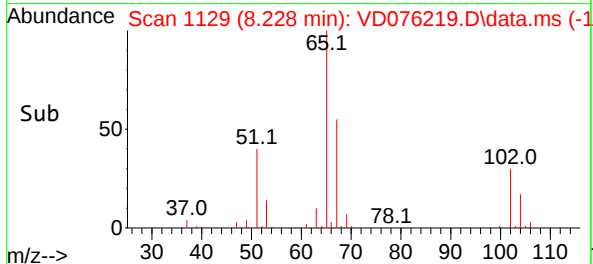
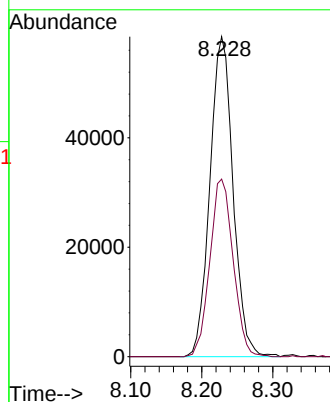
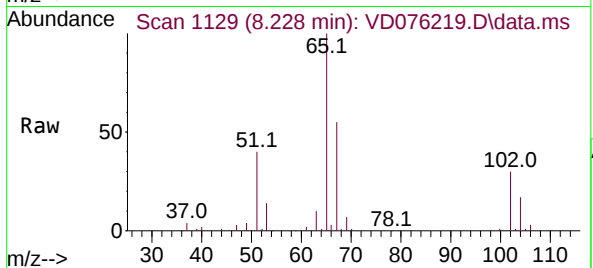
TP-29

Tgt Ion: 65 Resp: 132355

Ion Ratio Lower Upper

65 100

67 55.8 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD076219.D

Acq: 24 May 2023 17:39

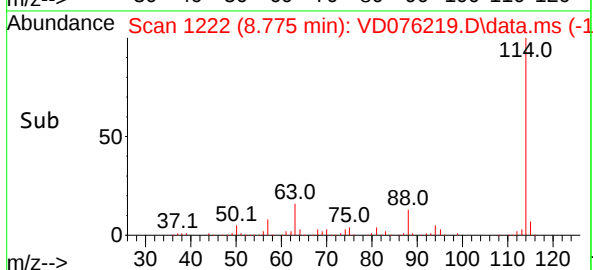
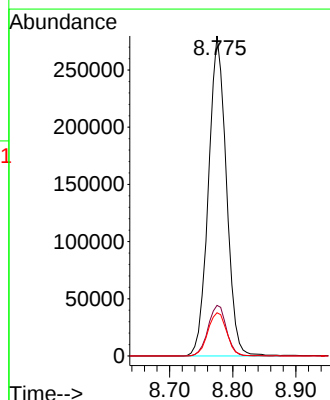
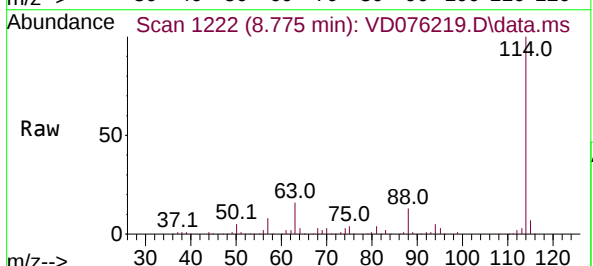
Tgt Ion: 114 Resp: 550362

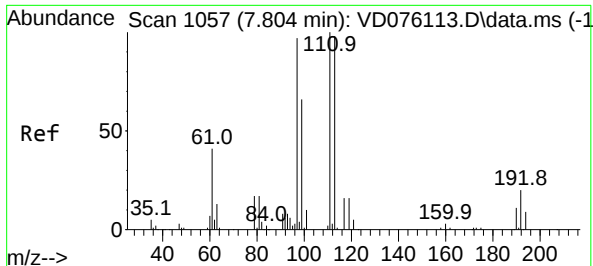
Ion Ratio Lower Upper

114 100

63 15.8 0.0 41.6

88 13.5 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.458 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD076219.D

Acq: 24 May 2023 17:39

Instrument :

MSVOA\_D

ClientSampleId :

TP-29

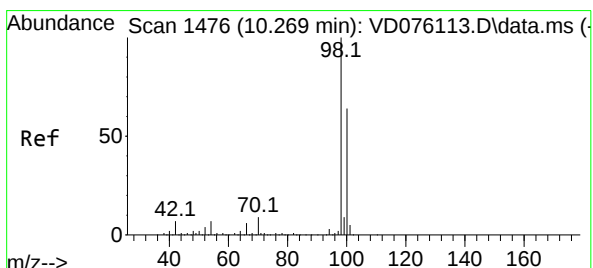
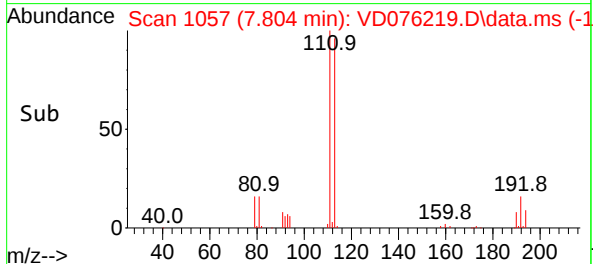
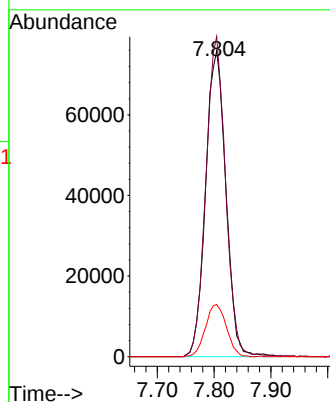
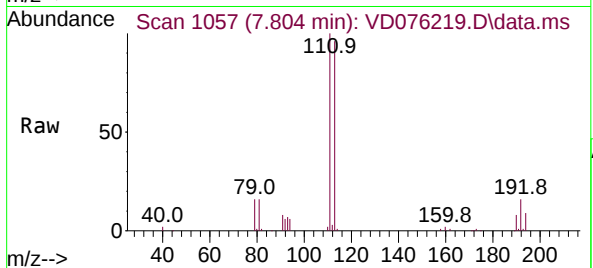
Tgt Ion:113 Resp: 188148

Ion Ratio Lower Upper

113 100

111 101.7 81.4 122.0

192 17.6 15.2 22.8



#50

Toluene-d8

Concen: 29.733 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD076219.D

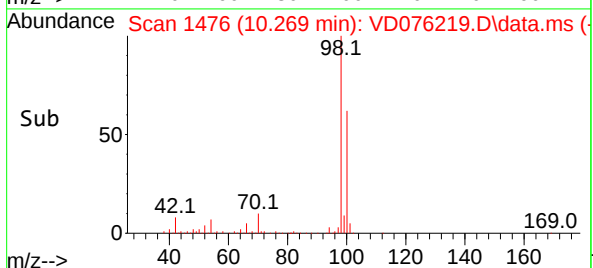
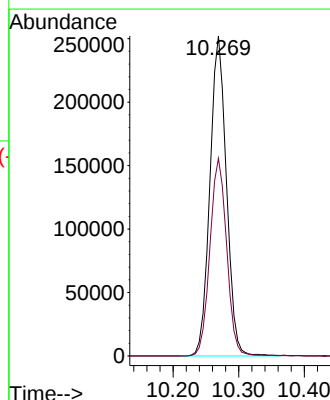
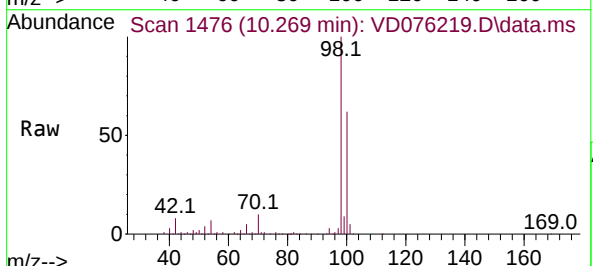
Acq: 24 May 2023 17:39

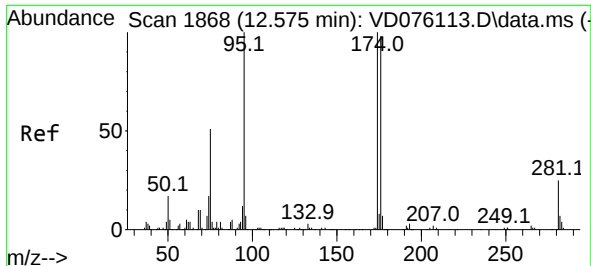
Tgt Ion: 98 Resp: 440938

Ion Ratio Lower Upper

98 100

100 62.6 52.1 78.1

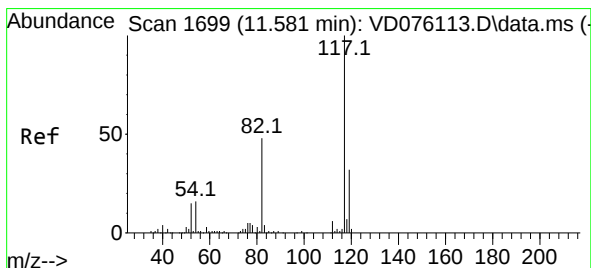
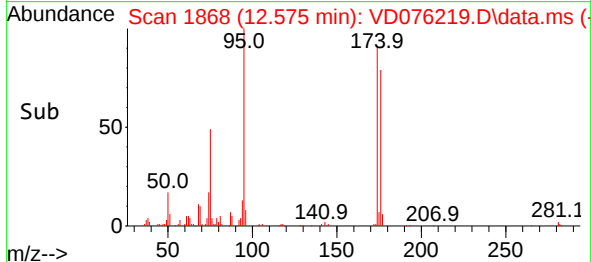
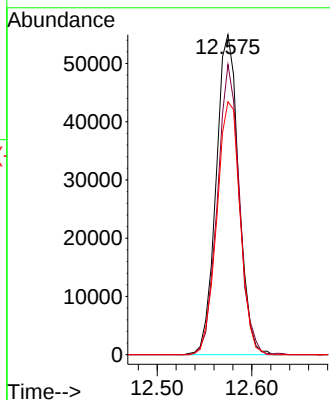
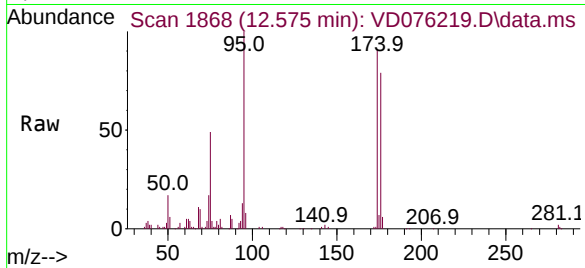




#62  
4-Bromofluorobenzene  
Concen: 22.133 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD076219.D  
Acq: 24 May 2023 17:39

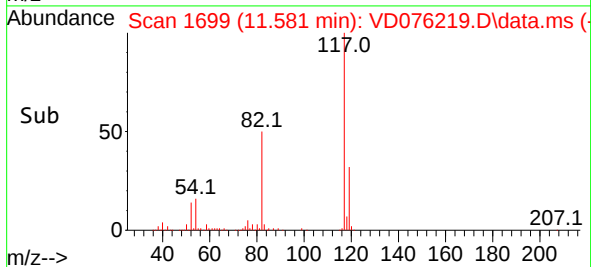
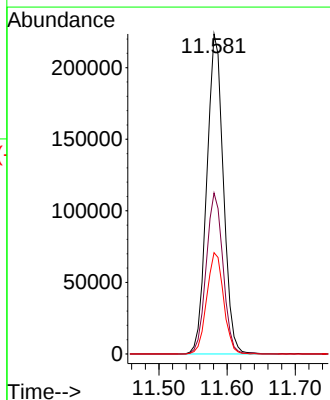
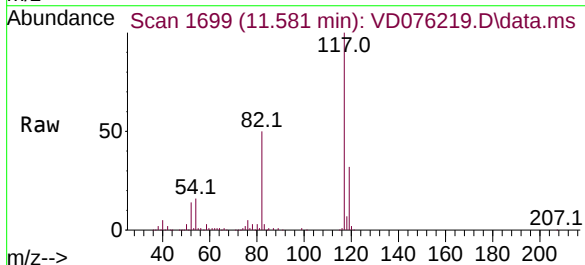
Instrument :  
MSVOA\_D  
ClientSampleId :  
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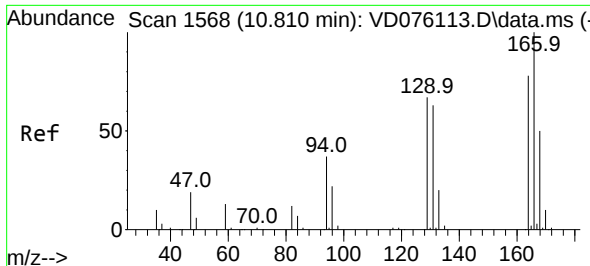
Tgt Ion: 95 Resp: 91175  
Ion Ratio Lower Upper  
95 100  
174 88.4 0.0 164.0  
176 81.6 0.0 156.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. -0.000 min  
Lab File: VD076219.D  
Acq: 24 May 2023 17:39

Tgt Ion: 117 Resp: 377637  
Ion Ratio Lower Upper  
117 100  
82 50.3 44.0 66.0  
119 31.7 25.1 37.7

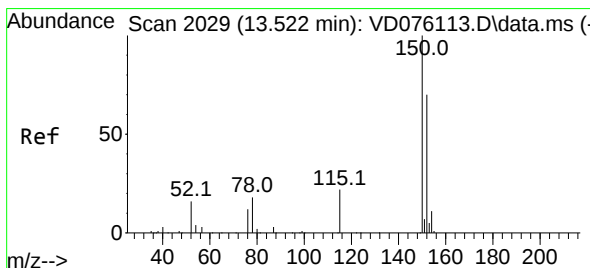
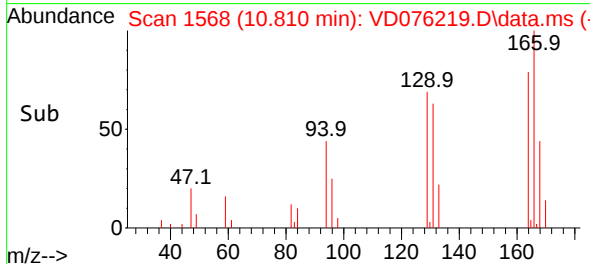
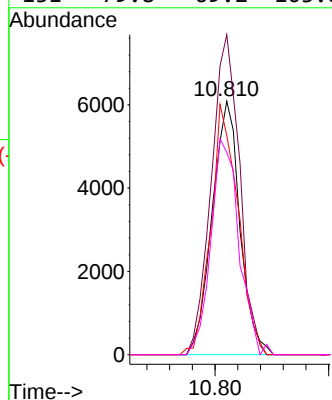
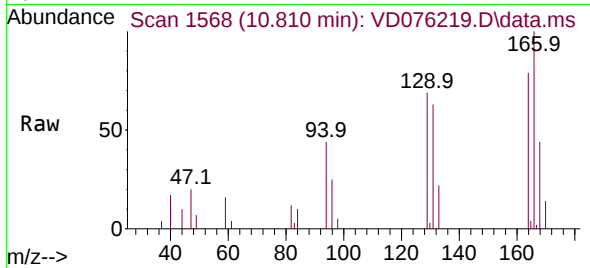




#64  
Tetrachloroethene  
Concen: 3.563 ug/l  
RT: 10.810 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD076219.D  
Acq: 24 May 2023 17:39

Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-29

Tgt Ion:164 Resp: 10346  
Ion Ratio Lower Upper  
164 100  
166 126.2 94.9 142.3  
129 86.6 73.0 109.6  
131 79.8 69.2 103.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.522 min Scan# 2029  
Delta R.T. -0.000 min  
Lab File: VD076219.D  
Acq: 24 May 2023 17:39

Tgt Ion:152 Resp: 74667  
Ion Ratio Lower Upper  
152 100  
115 56.2 30.1 90.3  
150 159.0 0.0 364.8

