

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD021924\  
 Data File : VD078468.D  
 Acq On : 19 Feb 2024 17:18  
 Operator : RP/MD  
 Sample : P1506-10RE  
 Misc : 5.02G/5ml/MSVOA\_D/SOIL/B  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 BP-VPB-195-GW-820-822RE

Quant Time: Feb 19 17:53:00 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D021324S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 14 01:16:20 2024  
 Response via : Initial Calibration

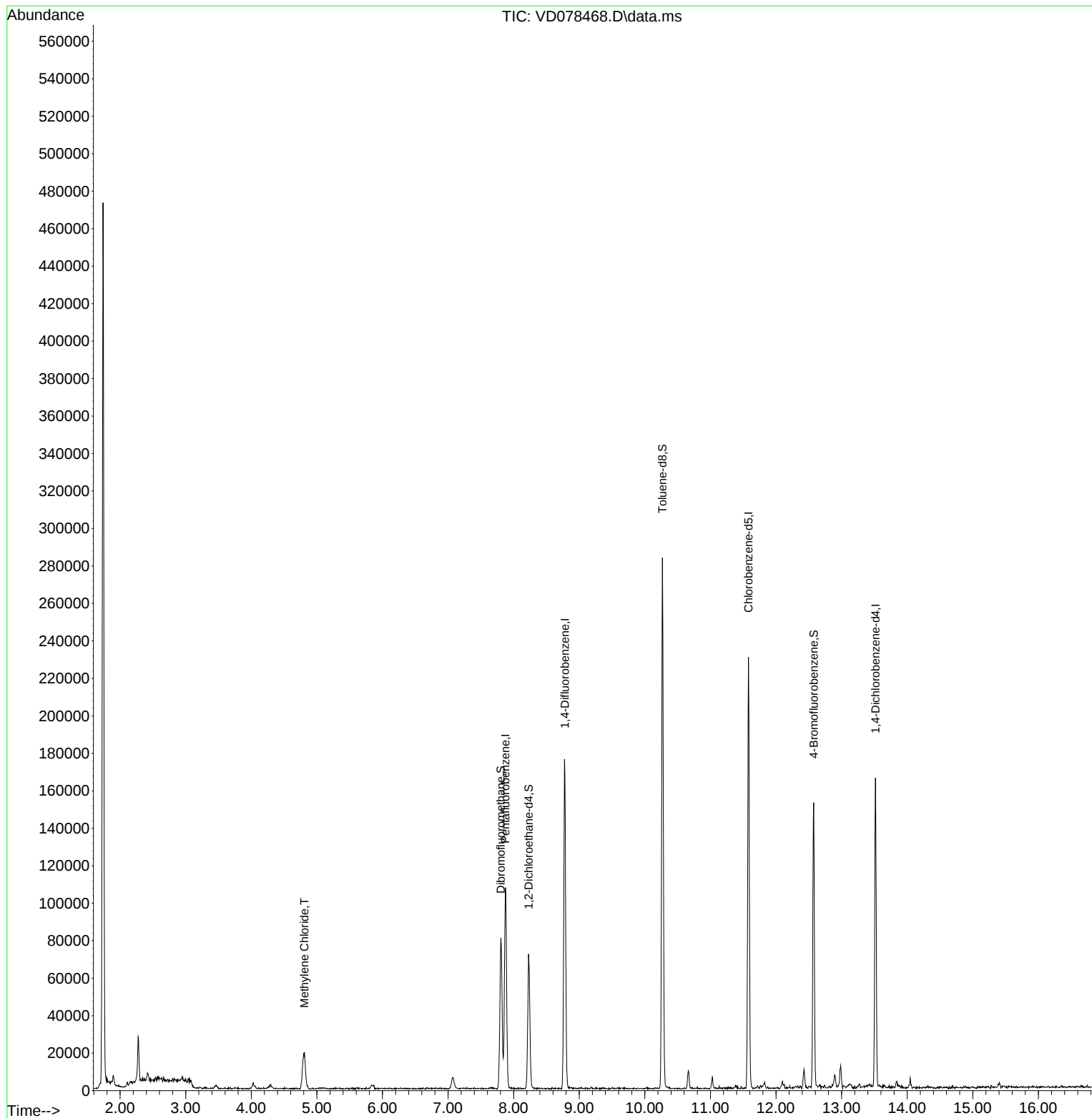
| Compound                    | R.T. QIon |                | Response | Conc   | Units    | Dev(Min) |
|-----------------------------|-----------|----------------|----------|--------|----------|----------|
| -----                       |           |                |          |        |          |          |
| Internal Standards          |           |                |          |        |          |          |
| 1) Pentafluorobenzene       | 7.875     | 168            | 80564    | 50.000 | ug/l     | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.781     | 114            | 157500   | 50.000 | ug/l     | 0.00     |
| 63) Chlorobenzene-d5        | 11.581    | 117            | 132933   | 50.000 | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.516    | 152            | 43520    | 50.000 | ug/l     | 0.00     |
| System Monitoring Compounds |           |                |          |        |          |          |
| 33) 1,2-Dichloroethane-d4   | 8.228     | 65             | 53929    | 61.909 | ug/l     | 0.00     |
| Spiked Amount               | 50.000    | Range 50 - 163 | Recovery | =      | 123.820% |          |
| 35) Dibromofluoromethane    | 7.804     | 113            | 58433    | 58.406 | ug/l     | 0.00     |
| Spiked Amount               | 50.000    | Range 54 - 147 | Recovery | =      | 116.820% |          |
| 50) Toluene-d8              | 10.269    | 98             | 192800   | 48.174 | ug/l     | 0.00     |
| Spiked Amount               | 50.000    | Range 58 - 134 | Recovery | =      | 96.340%  |          |
| 62) 4-Bromofluorobenzene    | 12.575    | 95             | 44491    | 38.201 | ug/l     | 0.00     |
| Spiked Amount               | 50.000    | Range 30 - 143 | Recovery | =      | 76.400%  |          |
| Target Compounds            |           |                |          |        |          |          |
|                             |           |                |          |        |          | Qvalue   |
| 20) Methylene Chloride      | 4.810     | 84             | 16626    | 14.665 | ug/l     | # 80     |
| -----                       |           |                |          |        |          |          |

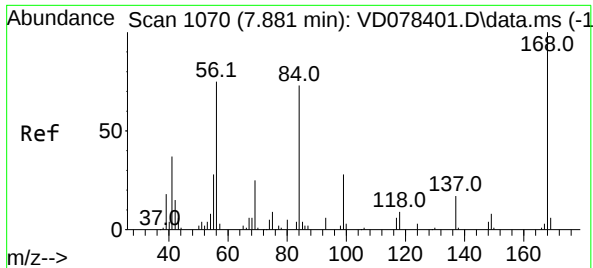
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BP-VPB-195-GW-820-822RE

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Quant Title : SW846 8260  
QLast Update : Wed Feb 14 01:16:20 2024  
Response via : Initial Calibration

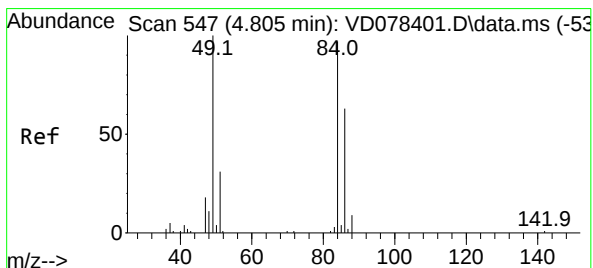
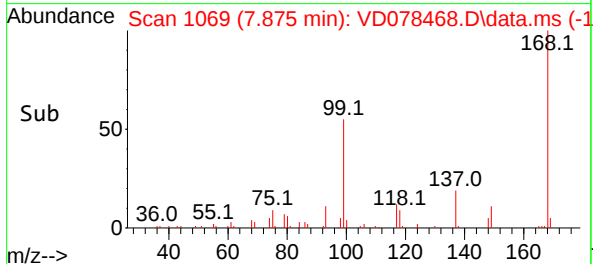
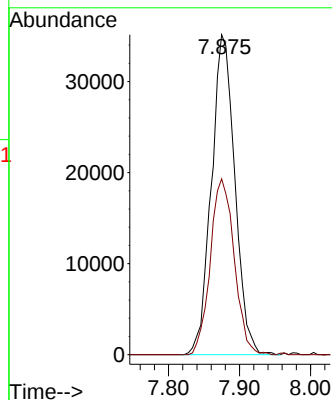
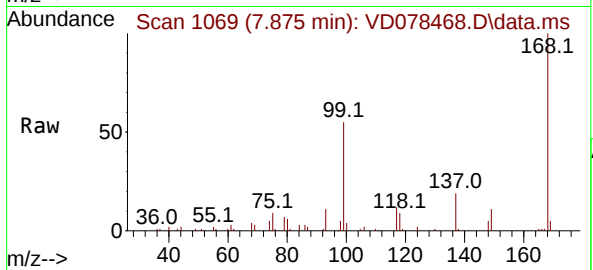




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1070  
Delta R.T. -0.006 min  
Lab File: VD078468.D  
Acq: 19 Feb 2024 17:18

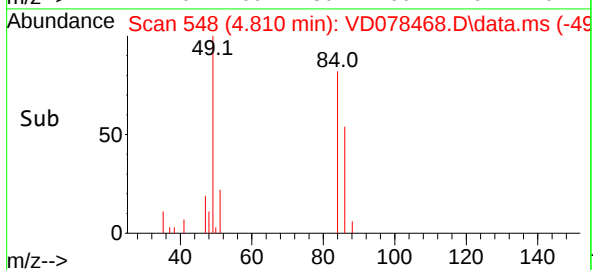
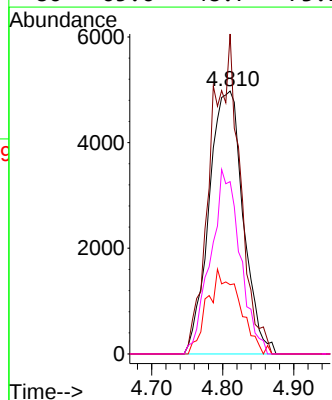
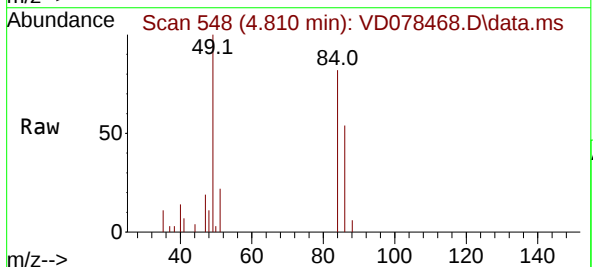
Instrument :  
MSVOA\_D  
ClientSampleId :  
BP-VPB-195-GW-820-822RE

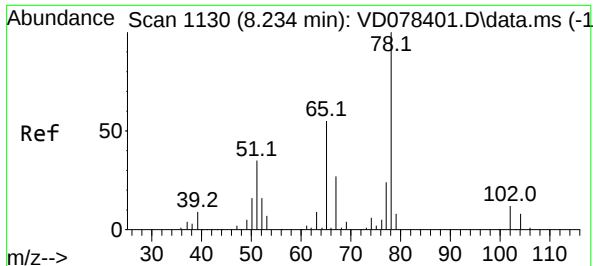
Tgt Ion:168 Resp: 80564  
Ion Ratio Lower Upper  
168 100  
99 54.9 36.7 55.1



#20  
Methylene Chloride  
Concen: 14.665 ug/l  
RT: 4.810 min Scan# 548  
Delta R.T. 0.005 min  
Lab File: VD078468.D  
Acq: 19 Feb 2024 17:18

Tgt Ion: 84 Resp: 16626  
Ion Ratio Lower Upper  
84 100  
49 121.7 71.4 107.2#  
51 26.3 24.5 36.7  
86 65.6 48.7 73.1

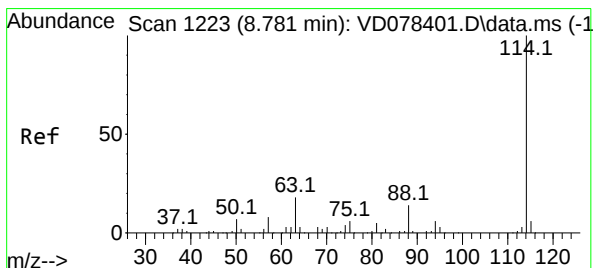
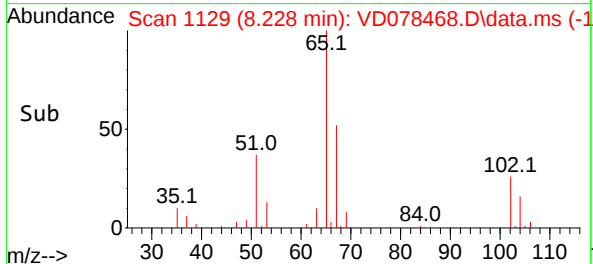
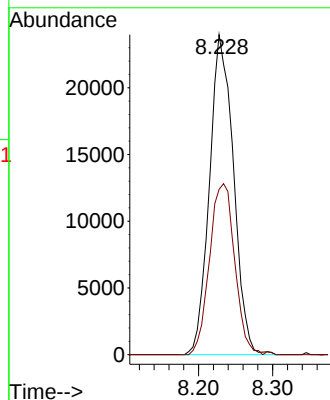
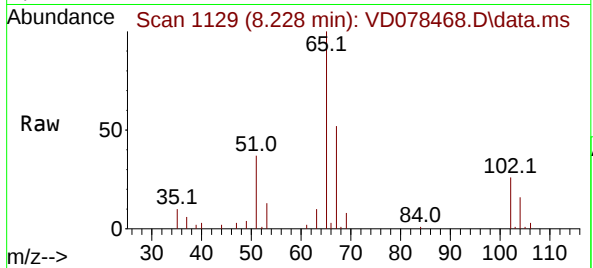




#33  
 1,2-Dichloroethane-d4  
 Concen: 61.909 ug/l  
 RT: 8.228 min Scan# 1130  
 Delta R.T. -0.006 min  
 Lab File: VD078468.D  
 Acq: 19 Feb 2024 17:18

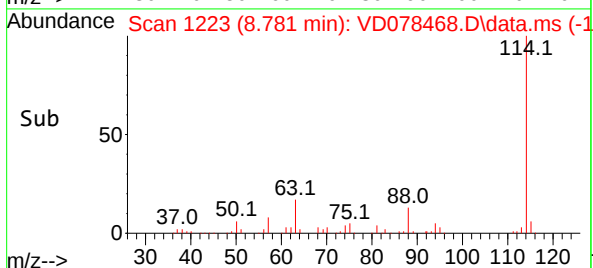
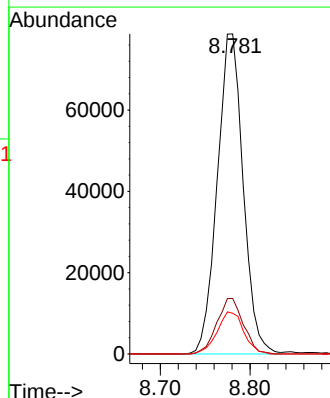
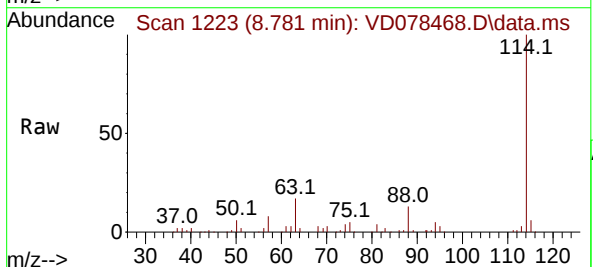
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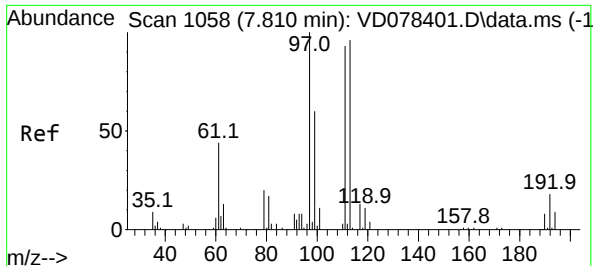
Tgt Ion: 65 Resp: 53929  
 Ion Ratio Lower Upper  
 65 100  
 67 55.9 0.0 115.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.781 min Scan# 1223  
 Delta R.T. -0.000 min  
 Lab File: VD078468.D  
 Acq: 19 Feb 2024 17:18

Tgt Ion: 114 Resp: 157500  
 Ion Ratio Lower Upper  
 114 100  
 63 17.3 0.0 33.4  
 88 12.7 0.0 26.2





#35

Dibromofluoromethane

Concen: 58.406 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VD078468.D

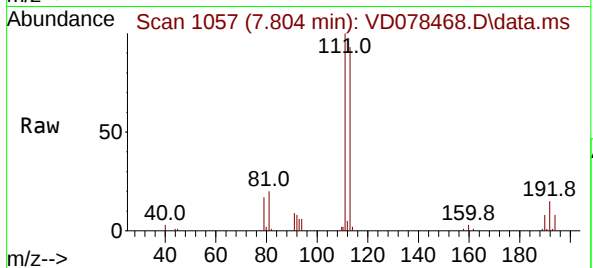
Acq: 19 Feb 2024 17:18

Instrument :

MSVOA\_D

ClientSampleId :

BP-VPB-195-GW-820-822RE



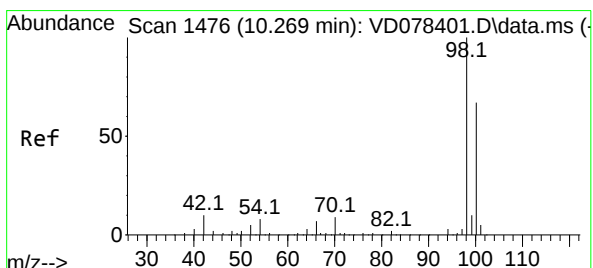
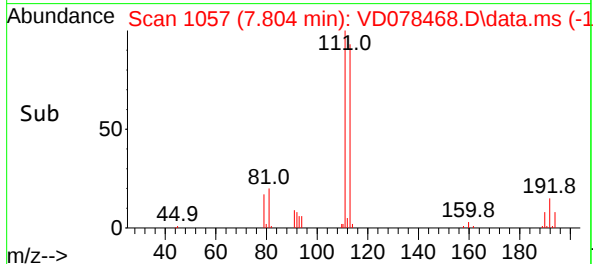
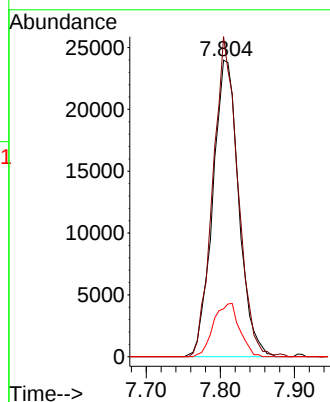
Tgt Ion:113 Resp: 58433

Ion Ratio Lower Upper

113 100

111 103.6 84.7 127.1

192 17.9 16.8 25.2



#50

Toluene-d8

Concen: 48.174 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD078468.D

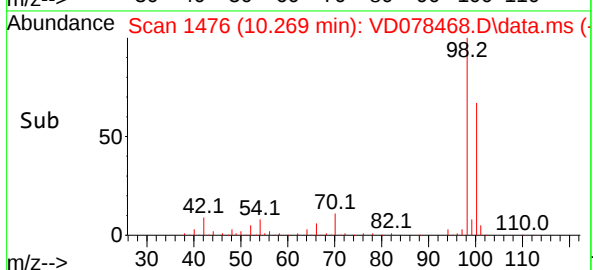
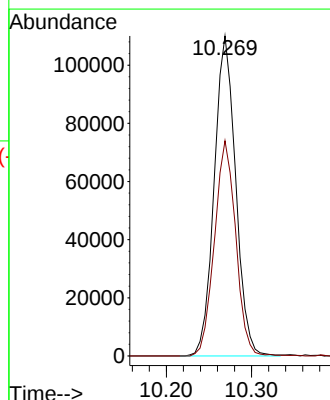
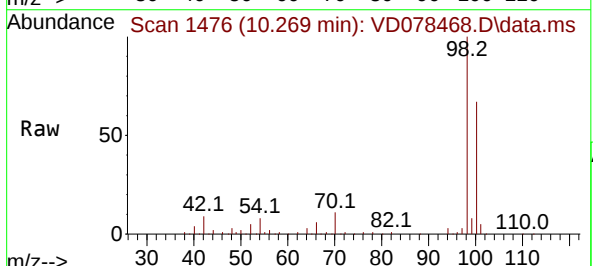
Acq: 19 Feb 2024 17:18

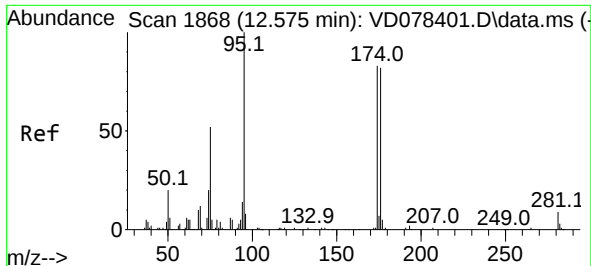
Tgt Ion: 98 Resp: 192800

Ion Ratio Lower Upper

98 100

100 66.8 50.3 75.5

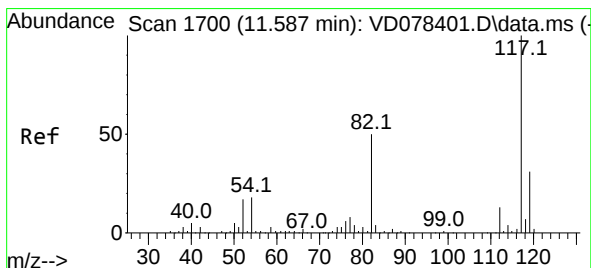
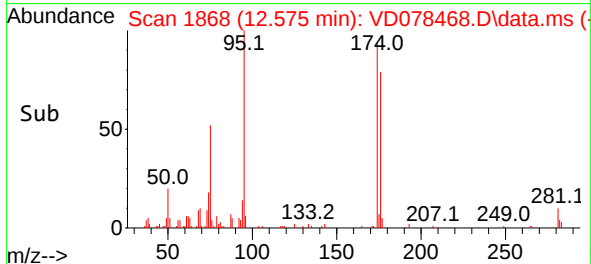
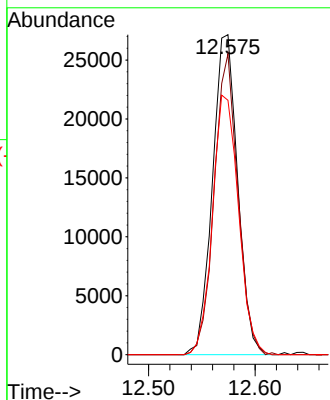
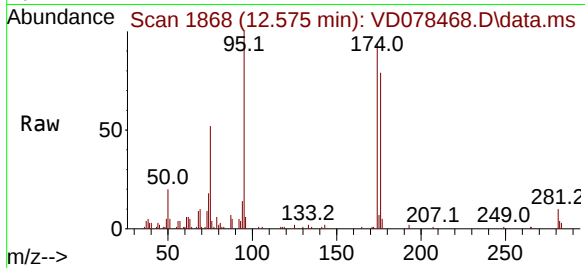




#62  
4-Bromofluorobenzene  
Concen: 38.201 ug/l  
RT: 12.575 min Scan# 1699  
Delta R.T. -0.000 min  
Lab File: VD078468.D  
Acq: 19 Feb 2024 17:18

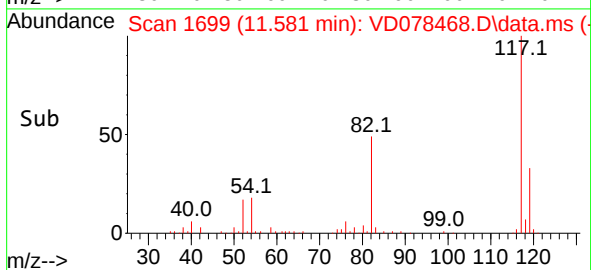
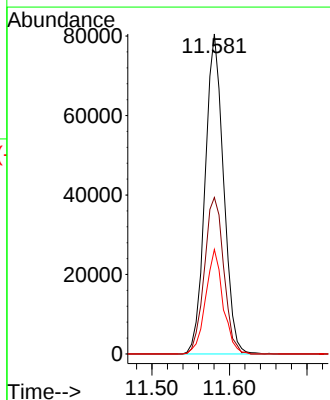
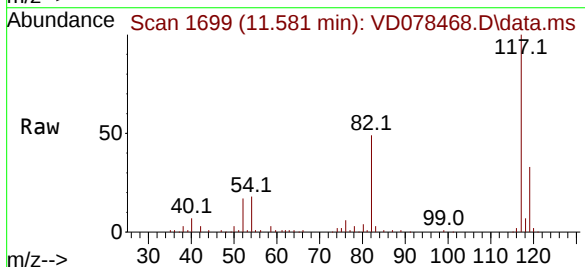
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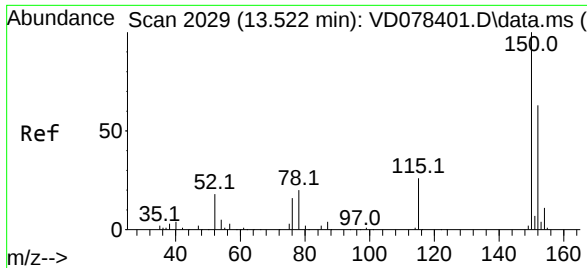
Tgt Ion: 95 Resp: 44491  
Ion Ratio Lower Upper  
95 100  
174 88.6 0.0 201.8  
176 83.9 0.0 191.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. -0.006 min  
Lab File: VD078468.D  
Acq: 19 Feb 2024 17:18

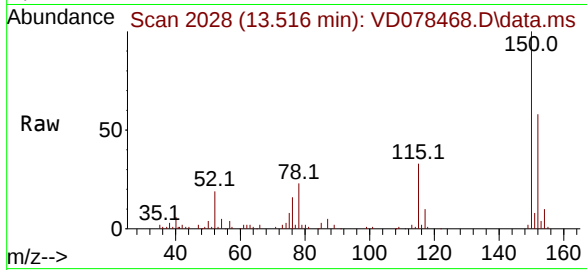
Tgt Ion: 117 Resp: 132933  
Ion Ratio Lower Upper  
117 100  
82 48.9 38.3 57.5  
119 32.7 25.0 37.4





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.516 min Scan# 20  
 Delta R.T. -0.006 min  
 Lab File: VD078468.D  
 Acq: 19 Feb 2024 17:18

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 BP-VPB-195-GW-820-822RE



Tgt Ion:152 Resp: 43520  
 Ion Ratio Lower Upper  
 152 100  
 115 56.3 27.1 81.3  
 150 155.5 0.0 353.6

