

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD022624\  
 Data File : VD078549.D  
 Acq On : 26 Feb 2024 13:03  
 Operator : RP/MD  
 Sample : P1538-13RE  
 Misc : 5.02G/5ml/MSVOA\_D/SOIL/B  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 20241106-AMENDED-COMPOSITE-35N-N-4-05RE

Quant Time: Feb 27 03:25:56 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

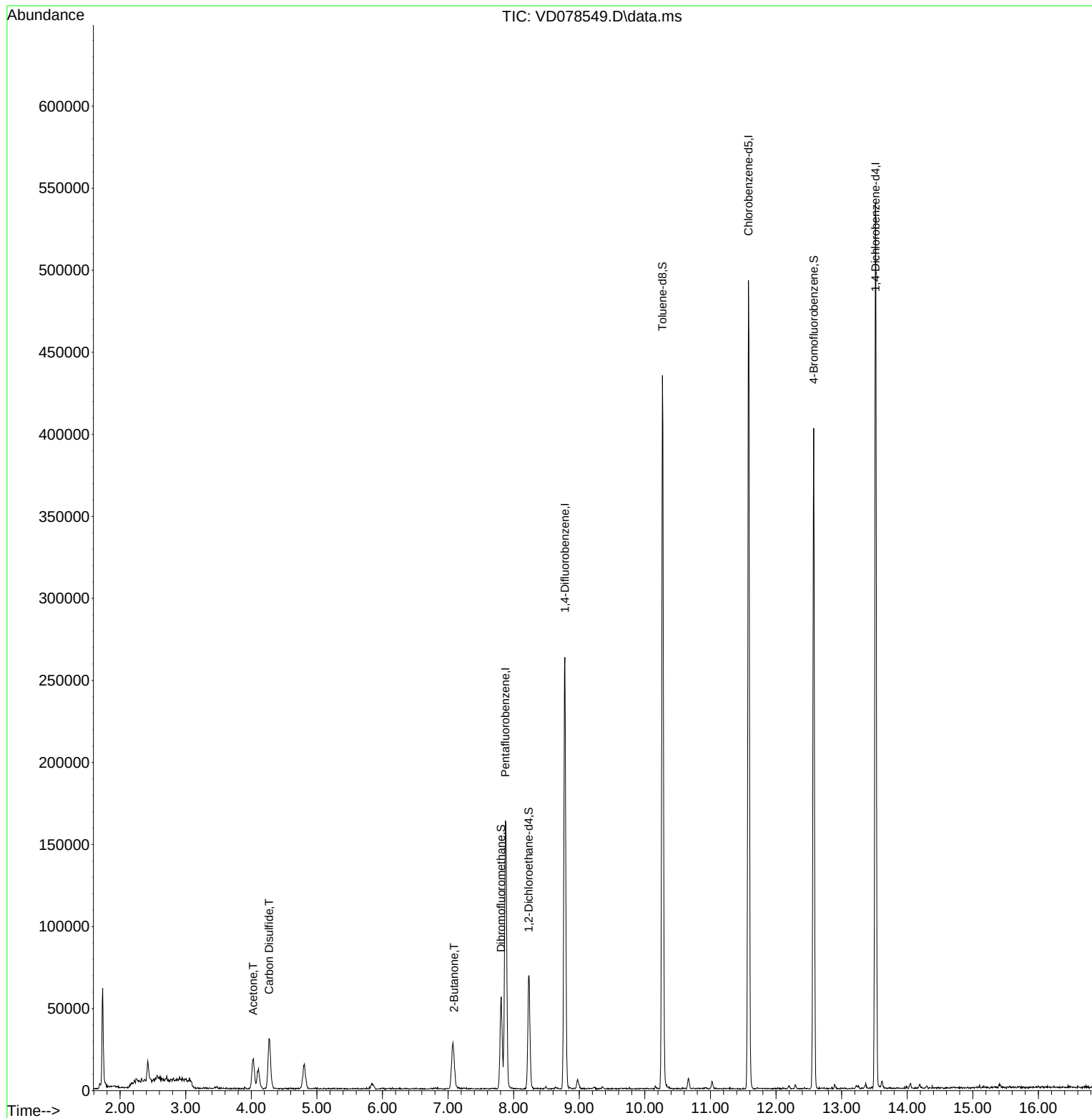
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.875  | 168   | 131776   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.781  | 114   | 242797   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.580 | 117   | 295371   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.516 | 152   | 146809   | 50.000   | ug/l   | 0.00     |
|                             |        |       |          |          |        |          |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 52848    | 37.091   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 74.180%  |
| 35) Dibromofluoromethane    | 7.810  | 113   | 39912    | 25.878   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 51.760%# |
| 50) Toluene-d8              | 10.269 | 98    | 309319   | 50.136   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =      | 100.280% |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 119534   | 66.579   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =      | 133.160% |
|                             |        |       |          |          |        |          |
| Target Compounds            |        |       |          |          |        |          |
| 16) Acetone                 | 4.028  | 43    | 32581    | 102.909  | ug/l # | 80       |
| 17) Carbon Disulfide        | 4.269  | 76    | 62044    | 12.835   | ug/l # | 93       |
| 25) 2-Butanone              | 7.092  | 43    | 8363     | 7.967    | ug/l # | 68       |
| -----                       |        |       |          |          |        |          |

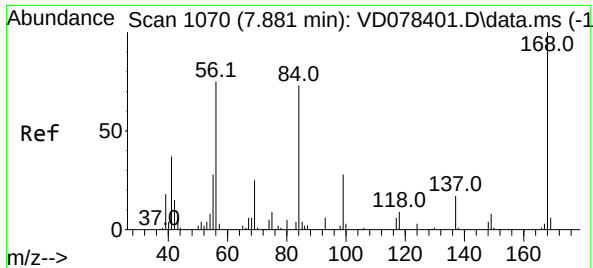
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

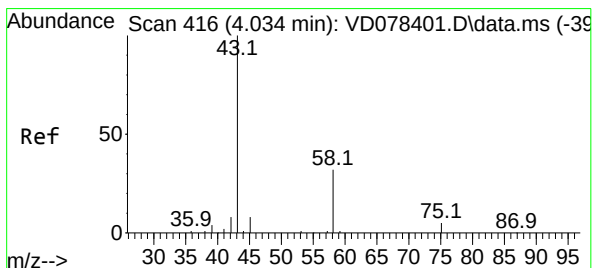
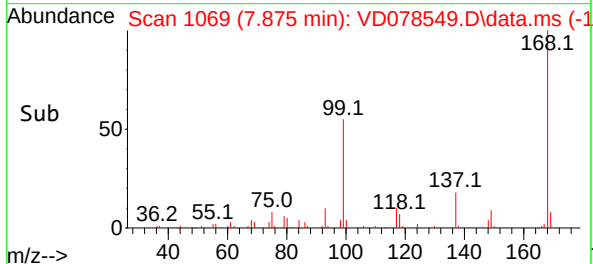
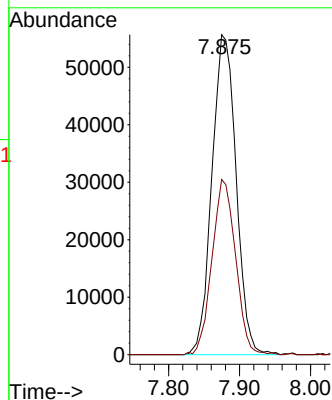
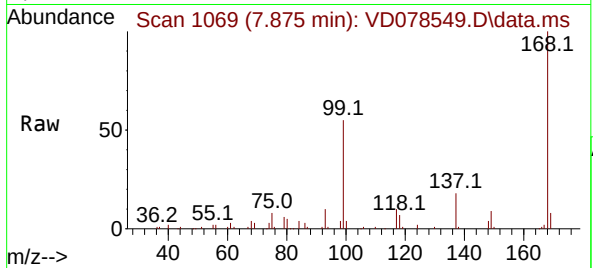




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1070  
Delta R.T. -0.006 min  
Lab File: VD078549.D  
Acq: 26 Feb 2024 13:03

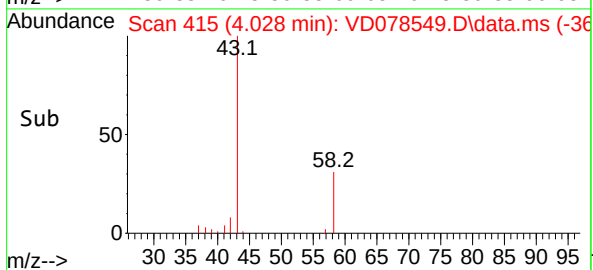
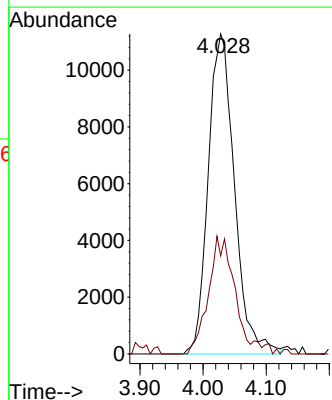
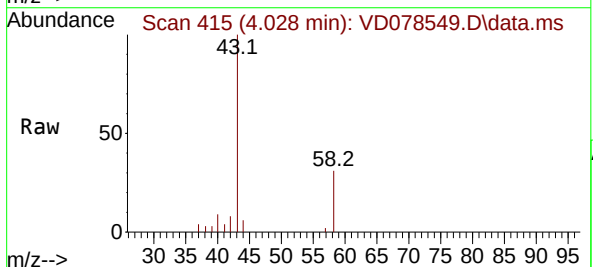
Instrument : MSVOA\_D  
ClientSampleId : 20241106-AMENDED-COMPOSITE-35N-N-4-05RE

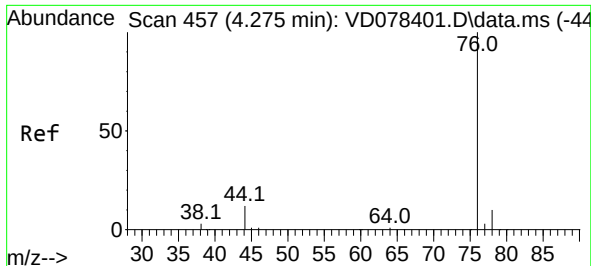
Tgt Ion:168 Resp: 131776  
Ion Ratio Lower Upper  
168 100  
99 54.8 36.7 55.1



#16  
Acetone  
Concen: 102.909 ug/l  
RT: 4.028 min Scan# 415  
Delta R.T. -0.006 min  
Lab File: VD078549.D  
Acq: 26 Feb 2024 13:03

Tgt Ion: 43 Resp: 32581  
Ion Ratio Lower Upper  
43 100  
58 30.7 34.7 52.1#

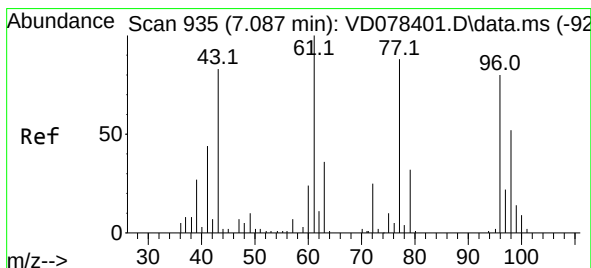
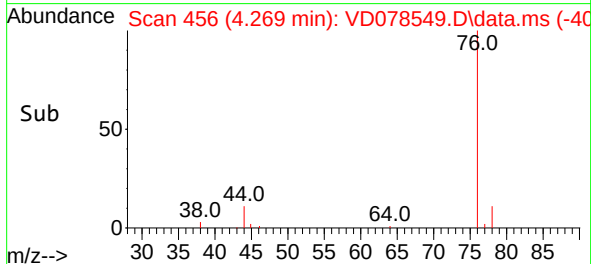
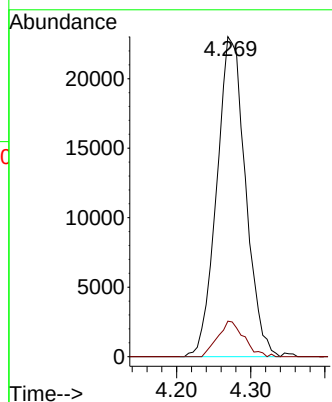
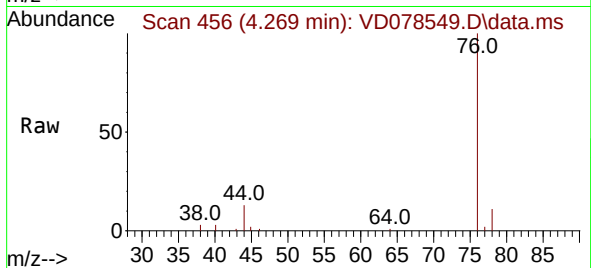




#17  
Carbon Disulfide  
Concen: 12.835 ug/l  
RT: 4.269 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VD078549.D  
Acq: 26 Feb 2024 13:03

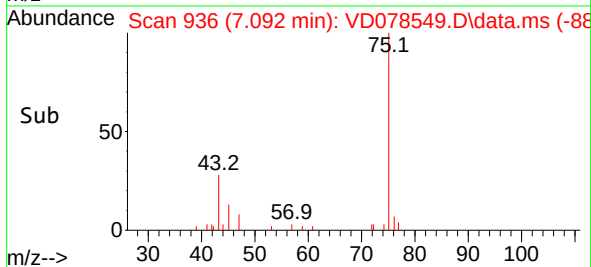
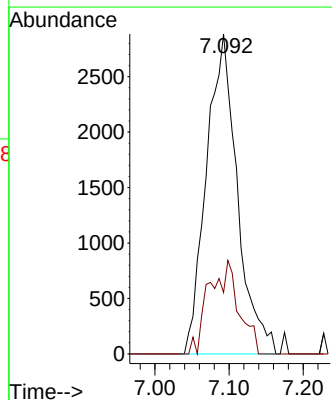
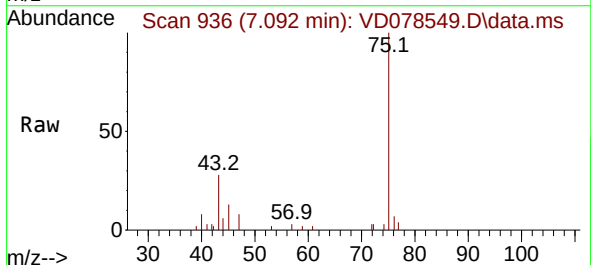
Instrument :  
MSVOA\_D  
ClientSampleId :  
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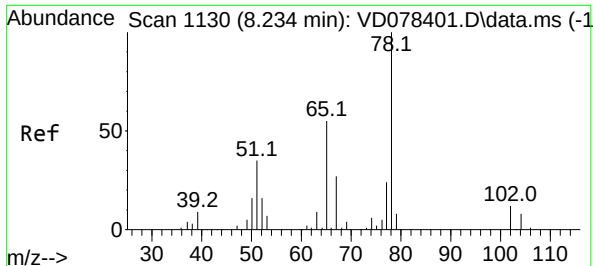
Tgt Ion: 76 Resp: 62044  
Ion Ratio Lower Upper  
76 100  
78 11.1 6.8 10.2#



#25  
2-Butanone  
Concen: 7.967 ug/l  
RT: 7.092 min Scan# 936  
Delta R.T. 0.005 min  
Lab File: VD078549.D  
Acq: 26 Feb 2024 13:03

Tgt Ion: 43 Resp: 8363  
Ion Ratio Lower Upper  
43 100  
72 19.2 30.7 46.1#





#33

1,2-Dichloroethane-d4

Concen: 37.091 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD078549.D

Acq: 26 Feb 2024 13:03

Instrument :

MSVOA\_D

ClientSampleId :

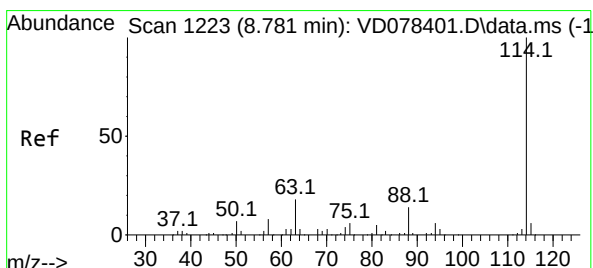
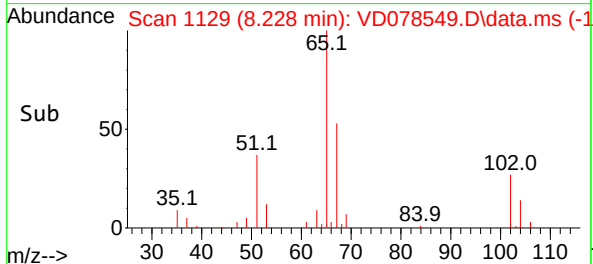
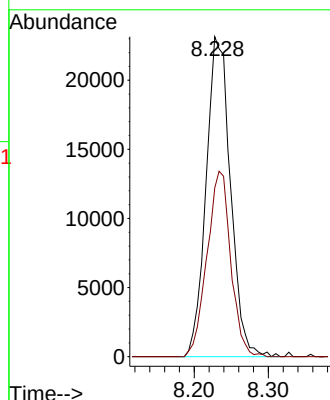
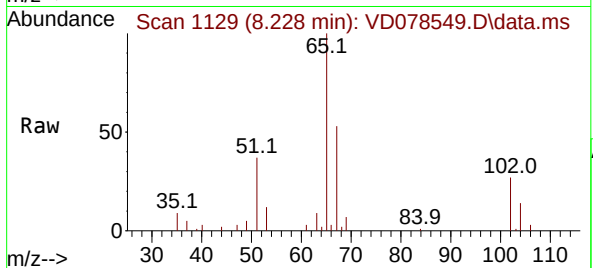
20241106-AMENDED-COMPOSITE-35N-N-4-05RE

Tgt Ion: 65 Resp: 52848

Ion Ratio Lower Upper

65 100

67 56.5 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: VD078549.D

Acq: 26 Feb 2024 13:03

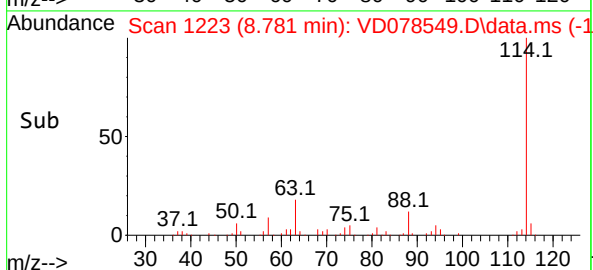
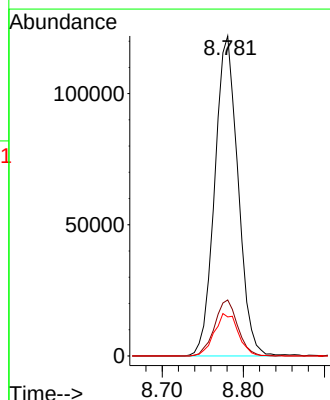
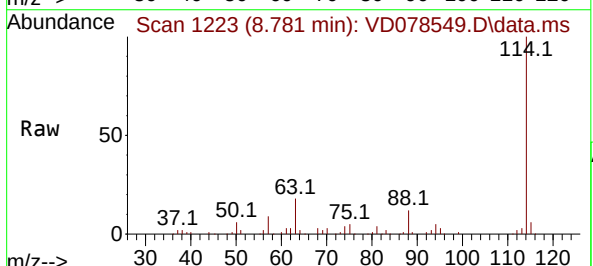
Tgt Ion: 114 Resp: 242797

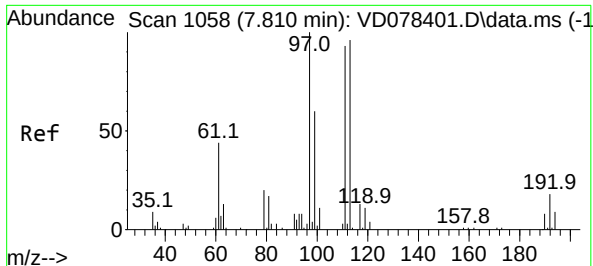
Ion Ratio Lower Upper

114 100

63 17.5 0.0 33.4

88 12.2 0.0 26.2





#35

Dibromofluoromethane

Concen: 25.878 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VD078549.D

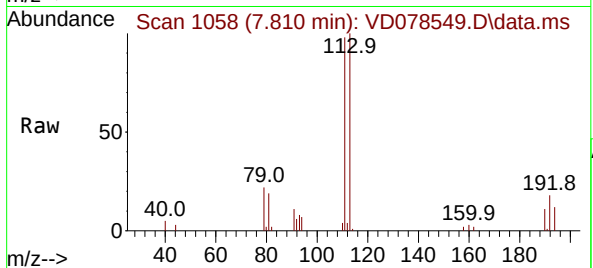
Acq: 26 Feb 2024 13:03

Instrument :

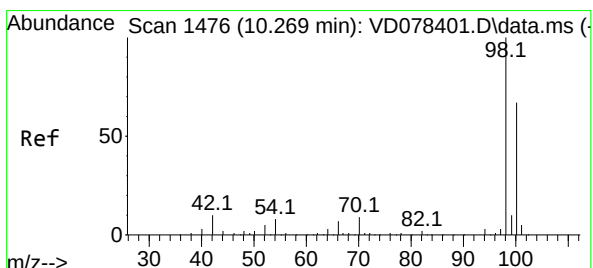
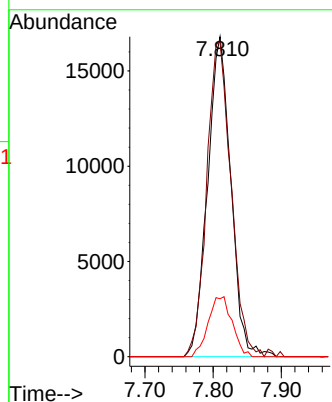
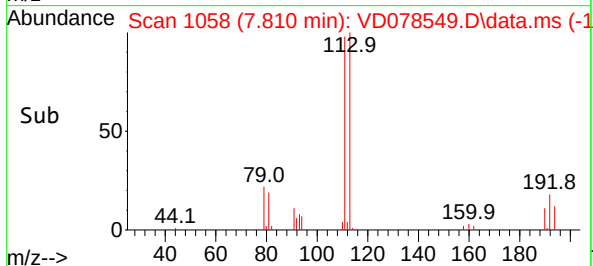
MSVOA\_D

ClientSampleId :

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|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 39912 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 111       | 102.5 | 84.7  | 127.1 |
| 192       | 19.3  | 16.8  | 25.2  |



#50

Toluene-d8

Concen: 50.136 ug/l

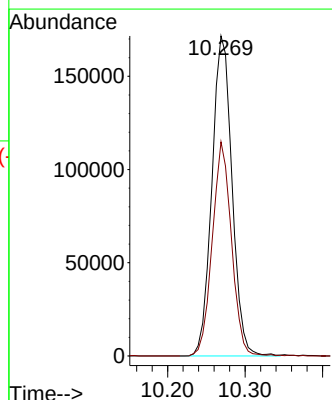
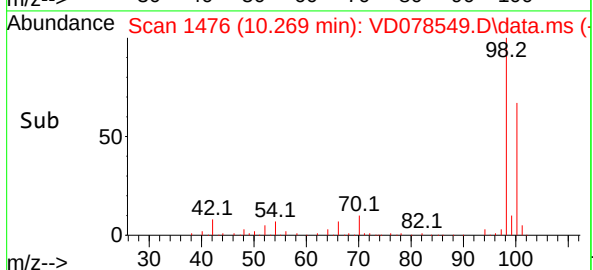
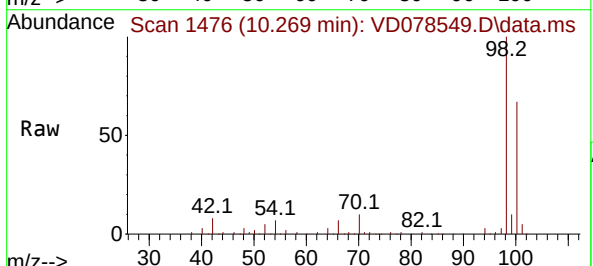
RT: 10.269 min Scan# 1476

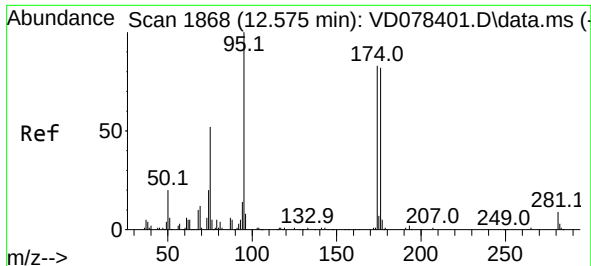
Delta R.T. -0.000 min

Lab File: VD078549.D

Acq: 26 Feb 2024 13:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 98    | Resp: | 309319 |
| Ion Ratio | Lower | Upper |        |
| 98        | 100   |       |        |
| 100       | 63.8  | 50.3  | 75.5   |

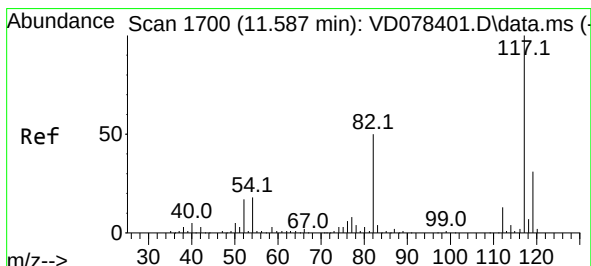
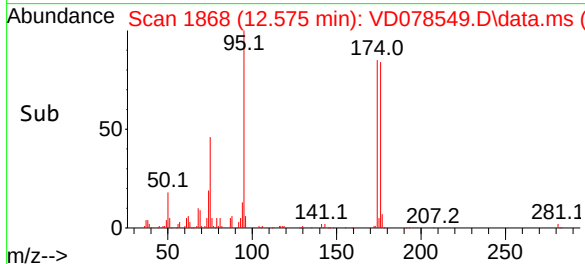
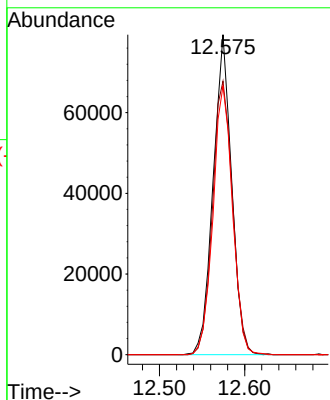
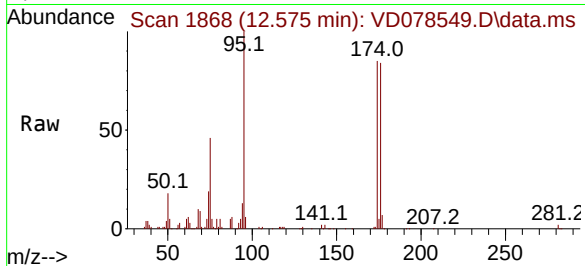




#62  
4-Bromofluorobenzene  
Concen: 66.579 ug/l  
RT: 12.575 min Scan# 119534  
Delta R.T. -0.000 min  
Lab File: VD078549.D  
Acq: 26 Feb 2024 13:03

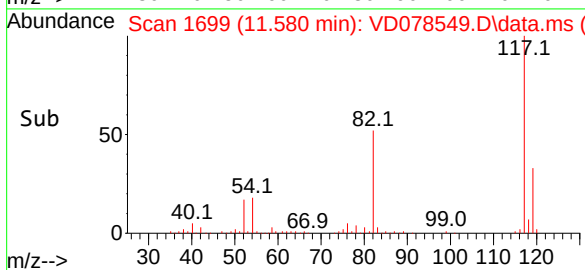
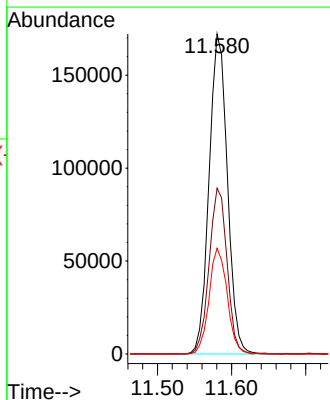
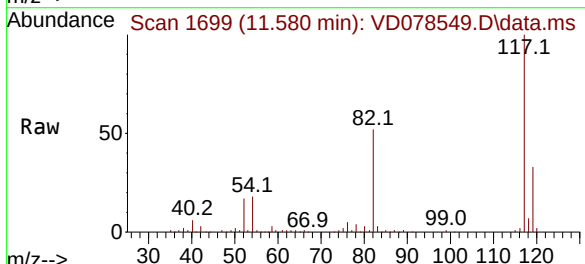
Instrument : MSVOA\_D  
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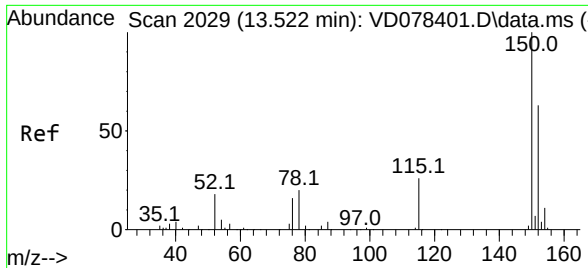
Tgt Ion: 95 Resp: 119534  
Ion Ratio Lower Upper  
95 100  
174 92.7 0.0 201.8  
176 88.4 0.0 191.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.580 min Scan# 1699  
Delta R.T. -0.006 min  
Lab File: VD078549.D  
Acq: 26 Feb 2024 13:03

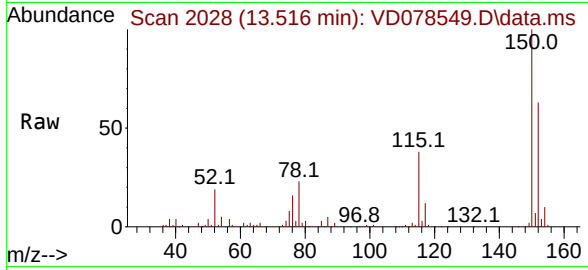
Tgt Ion: 117 Resp: 295371  
Ion Ratio Lower Upper  
117 100  
82 51.8 38.3 57.5  
119 33.0 25.0 37.4





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 20  
Delta R.T. -0.006 min  
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Instrument :  
MSVOA\_D  
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Tgt Ion:152 Resp: 146809  
Ion Ratio Lower Upper  
152 100  
115 56.9 27.1 81.3  
150 156.7 0.0 353.6

