

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD102623\  
 Data File : VD077434.D  
 Acq On : 26 Oct 2023 18:30  
 Operator : JC/SY  
 Sample : 05027-04RE  
 Misc : 5.08G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 H-DRUMS-SOLIDRE

Quant Time: Oct 27 07:49:21 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101723S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 18 03:02:43 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units       | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------------|----------|
| -----                       |        |       |          |          |             |          |
| Internal Standards          |        |       |          |          |             |          |
| 1) Pentafluorobenzene       | 7.875  | 168   | 4433     | 50.000   | ug/l        | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.775  | 114   | 10703    | 50.000   | ug/l        | 0.00     |
| 63) Chlorobenzene-d5        | 11.581 | 117   | 9109     | 50.000   | ug/l        | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.516 | 152   | 2334     | 50.000   | ug/l        | 0.00     |
| System Monitoring Compounds |        |       |          |          |             |          |
| 33) 1,2-Dichloroethane-d4   | 8.234  | 65    | 5293     | 133.715  | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 267.440%# |          |
| 35) Dibromofluoromethane    | 7.805  | 113   | 5325     | 70.818   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 141.640%  |          |
| 50) Toluene-d8              | 10.269 | 98    | 9599     | 35.645   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 71.300%   |          |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 2578     | 33.257   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 66.520%   |          |

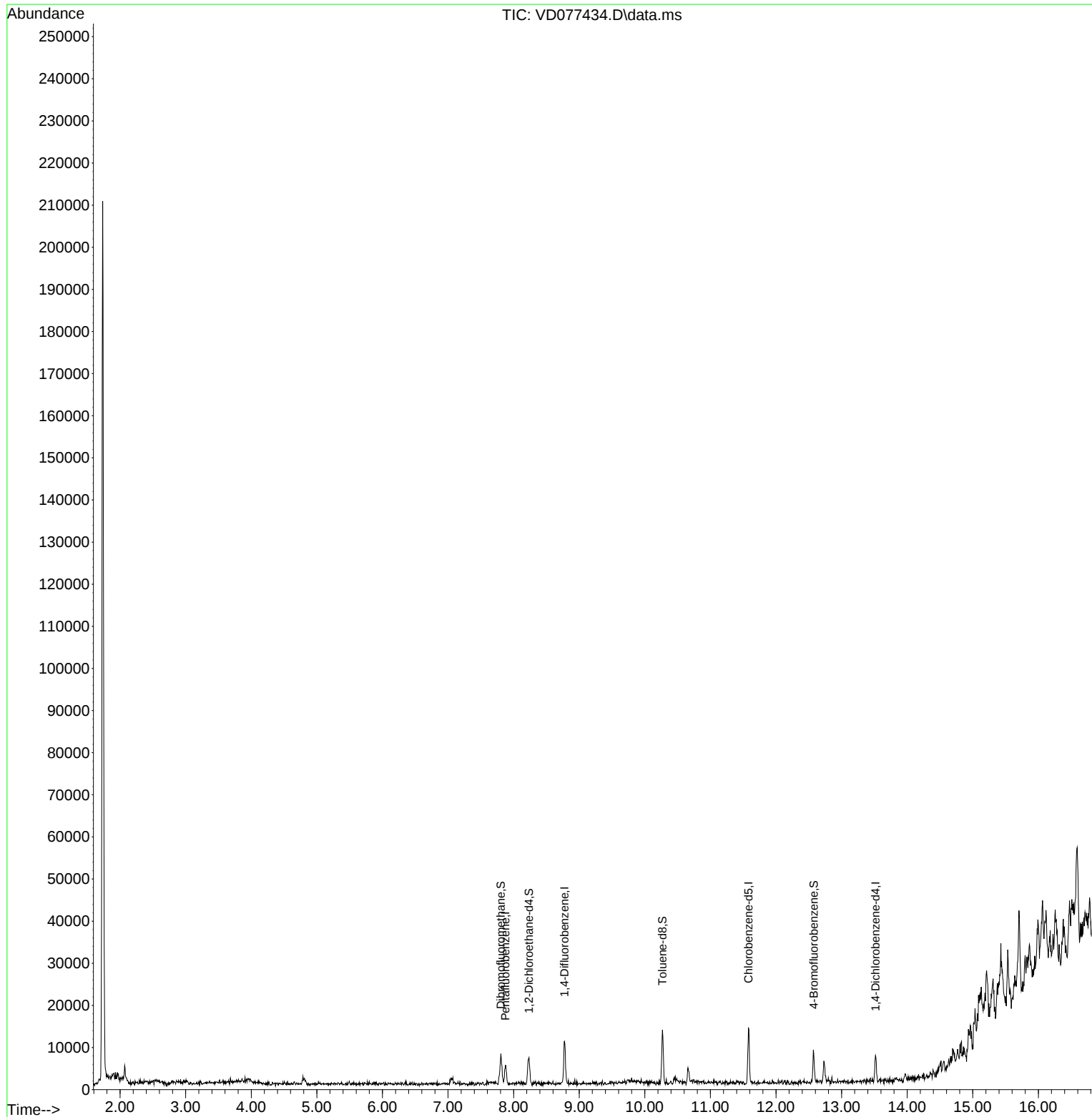
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

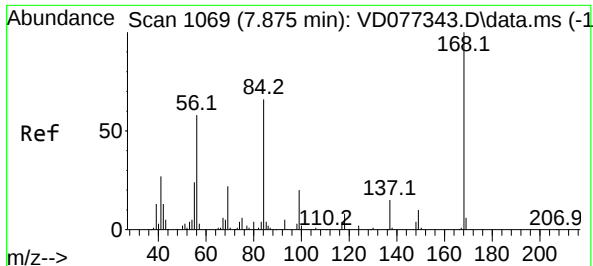
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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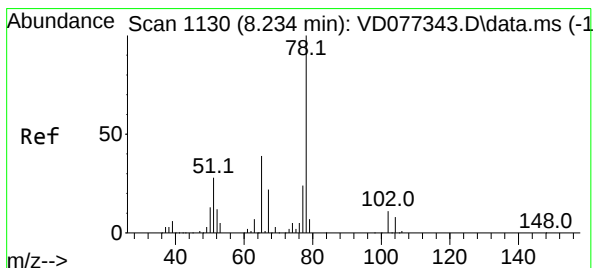
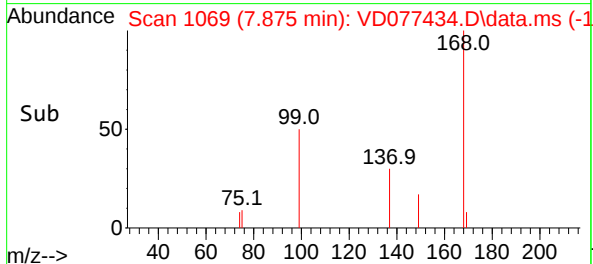
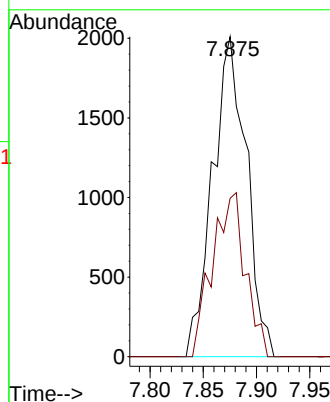
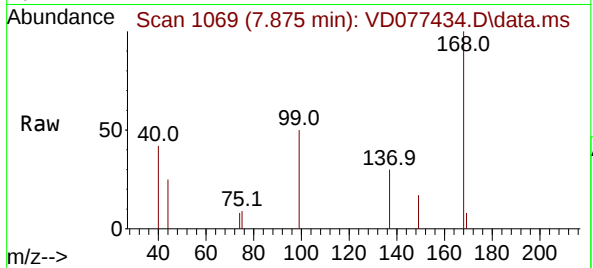




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD077434.D  
Acq: 26 Oct 2023 18:30

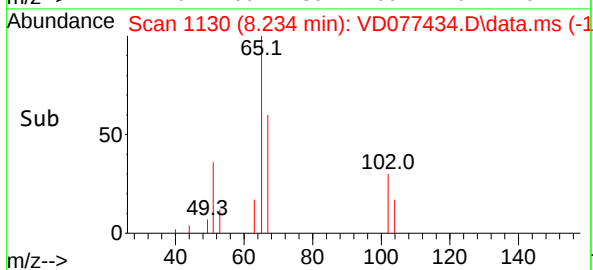
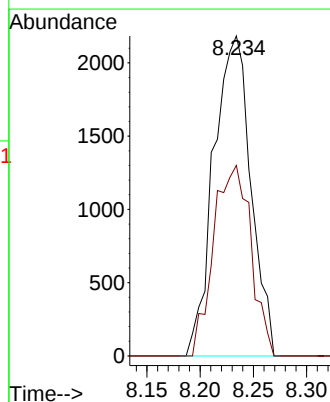
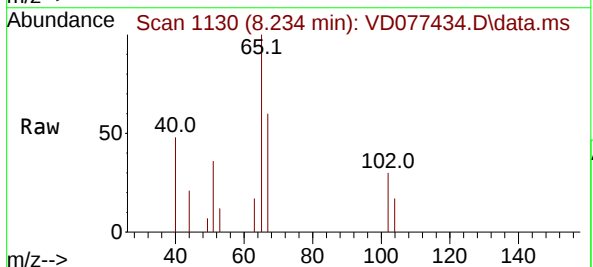
Instrument :  
MSVOA\_D  
ClientSampleId :  
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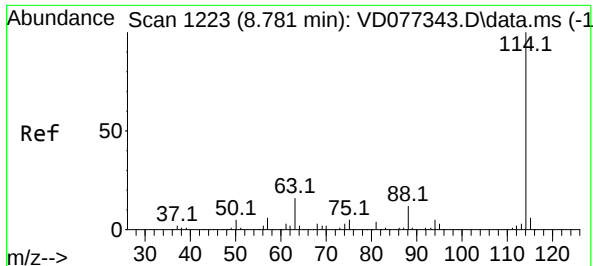
Tgt Ion:168 Resp: 4433  
Ion Ratio Lower Upper  
168 100  
99 49.5 36.7 55.1



#33  
1,2-Dichloroethane-d4  
Concen: 133.715 ug/l  
RT: 8.234 min Scan# 1130  
Delta R.T. -0.000 min  
Lab File: VD077434.D  
Acq: 26 Oct 2023 18:30

Tgt Ion: 65 Resp: 5293  
Ion Ratio Lower Upper  
65 100  
67 59.9 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD077434.D

Acq: 26 Oct 2023 18:30

Instrument :

MSVOA\_D

ClientSampleId :

H-DRUMS-SOLIDRE

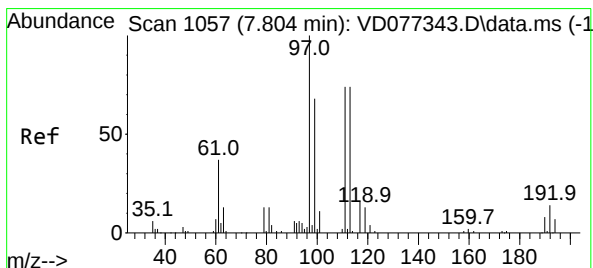
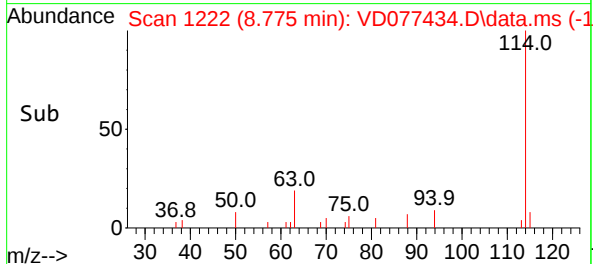
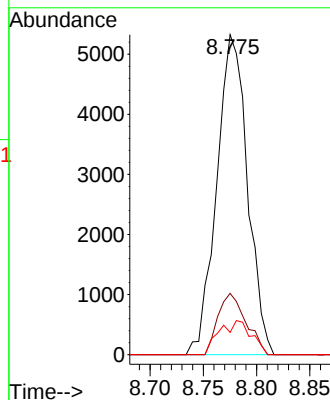
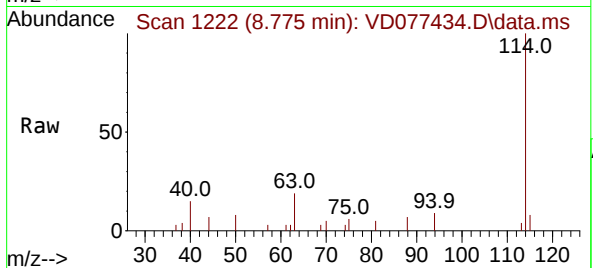
Tgt Ion:114 Resp: 10703

Ion Ratio Lower Upper

114 100

63 19.2 0.0 33.4

88 6.9 0.0 26.2



#35

Dibromofluoromethane

Concen: 70.818 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.001 min

Lab File: VD077434.D

Acq: 26 Oct 2023 18:30

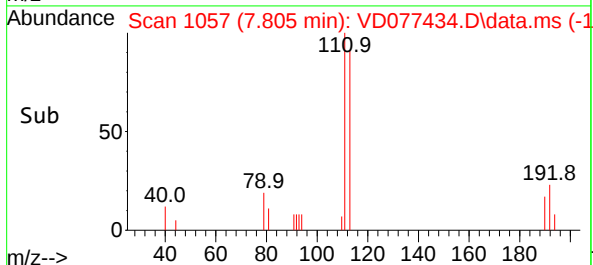
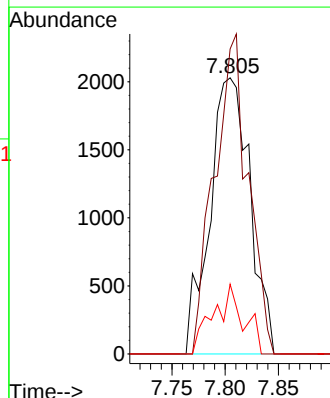
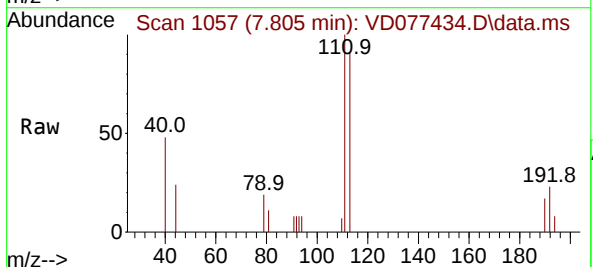
Tgt Ion:113 Resp: 5325

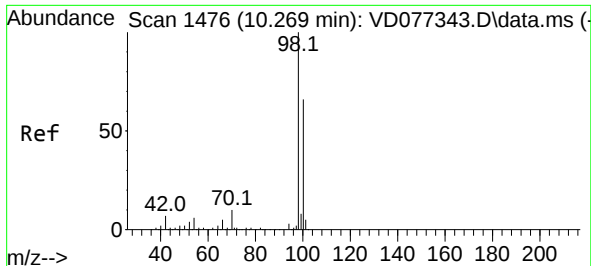
Ion Ratio Lower Upper

113 100

111 97.2 84.7 127.1

192 19.0 16.8 25.2

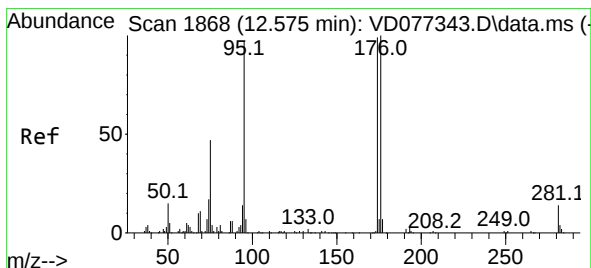
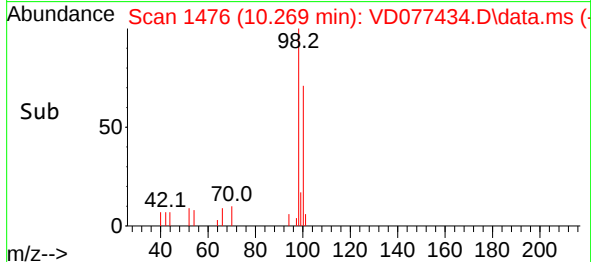
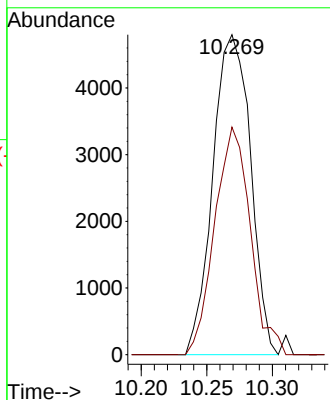
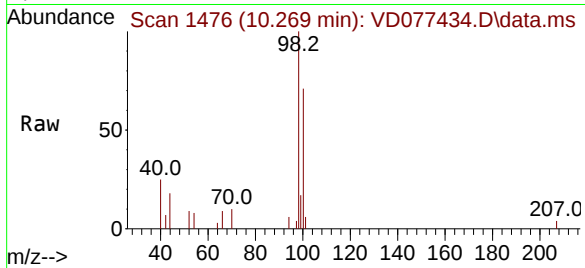




#50  
Toluene-d8  
Concen: 35.645 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD077434.D  
Acq: 26 Oct 2023 18:30

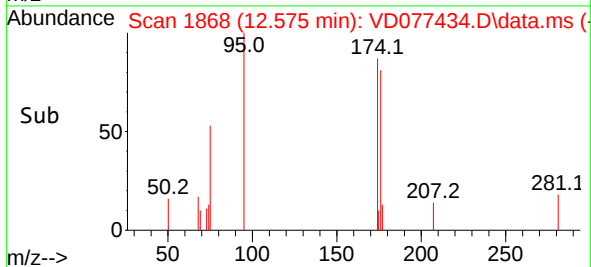
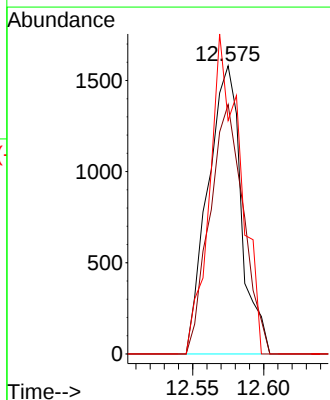
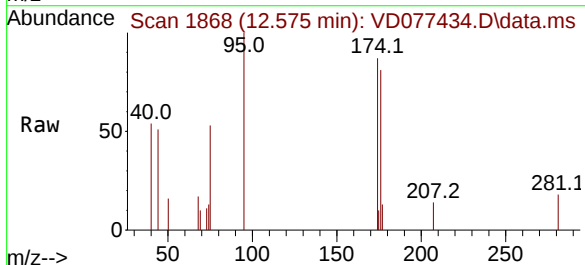
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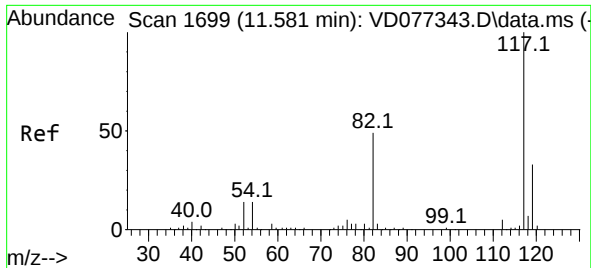
Tgt Ion: 98 Resp: 9599  
Ion Ratio Lower Upper  
98 100  
100 67.2 50.3 75.5



#62  
4-Bromofluorobenzene  
Concen: 33.257 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD077434.D  
Acq: 26 Oct 2023 18:30

Tgt Ion: 95 Resp: 2578  
Ion Ratio Lower Upper  
95 100  
174 88.2 0.0 201.8  
176 102.1 0.0 191.8

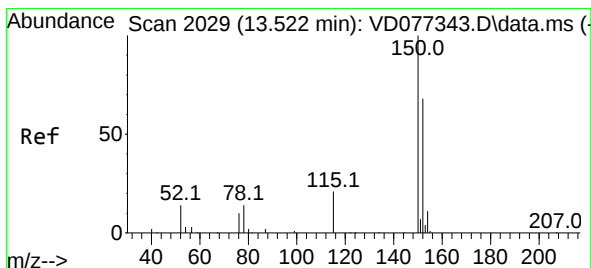
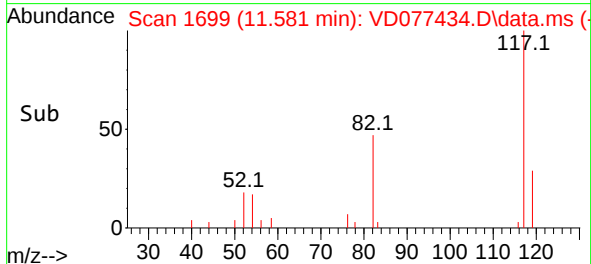
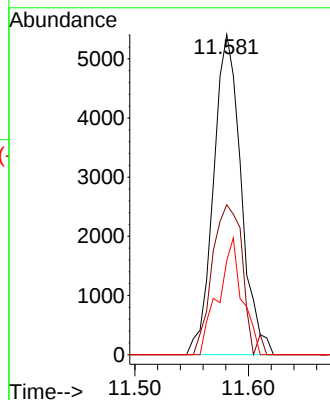
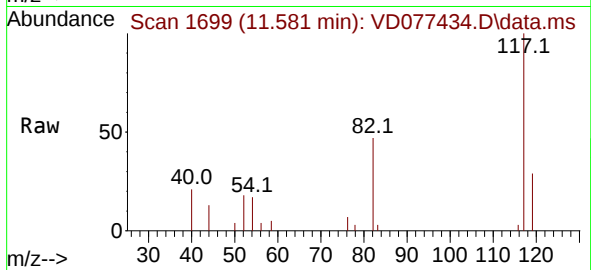




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD077434.D  
Acq: 26 Oct 2023 18:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
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|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:117 | Resp: | 9109        |
| Ion         | Ratio | Lower Upper |
| 117         | 100   |             |
| 82          | 46.8  | 38.3 57.5   |
| 119         | 29.4  | 25.0 37.4   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. -0.006 min  
Lab File: VD077434.D  
Acq: 26 Oct 2023 18:30

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:152 | Resp: | 2334        |
| Ion         | Ratio | Lower Upper |
| 152         | 100   |             |
| 115         | 50.8  | 27.1 81.3   |
| 150         | 160.3 | 0.0 353.6   |

