

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD102623\  
 Data File : VD077427.D  
 Acq On : 26 Oct 2023 12:02  
 Operator : JC/SY  
 Sample : VD1026SBL01  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1026

Quant Time: Oct 27 07:46:18 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  | 144915   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.775  | 114  | 305061   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 321886   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 152160   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 65956    | 50.970   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 101.940% |
| 35) Dibromofluoromethane    | 7.805  | 113   | 75535    | 35.244   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 70.480%  |
| 50) Toluene-d8              | 10.269 | 98    | 350909   | 45.718   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 91.440%  |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 97592    | 44.171   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 88.340%  |

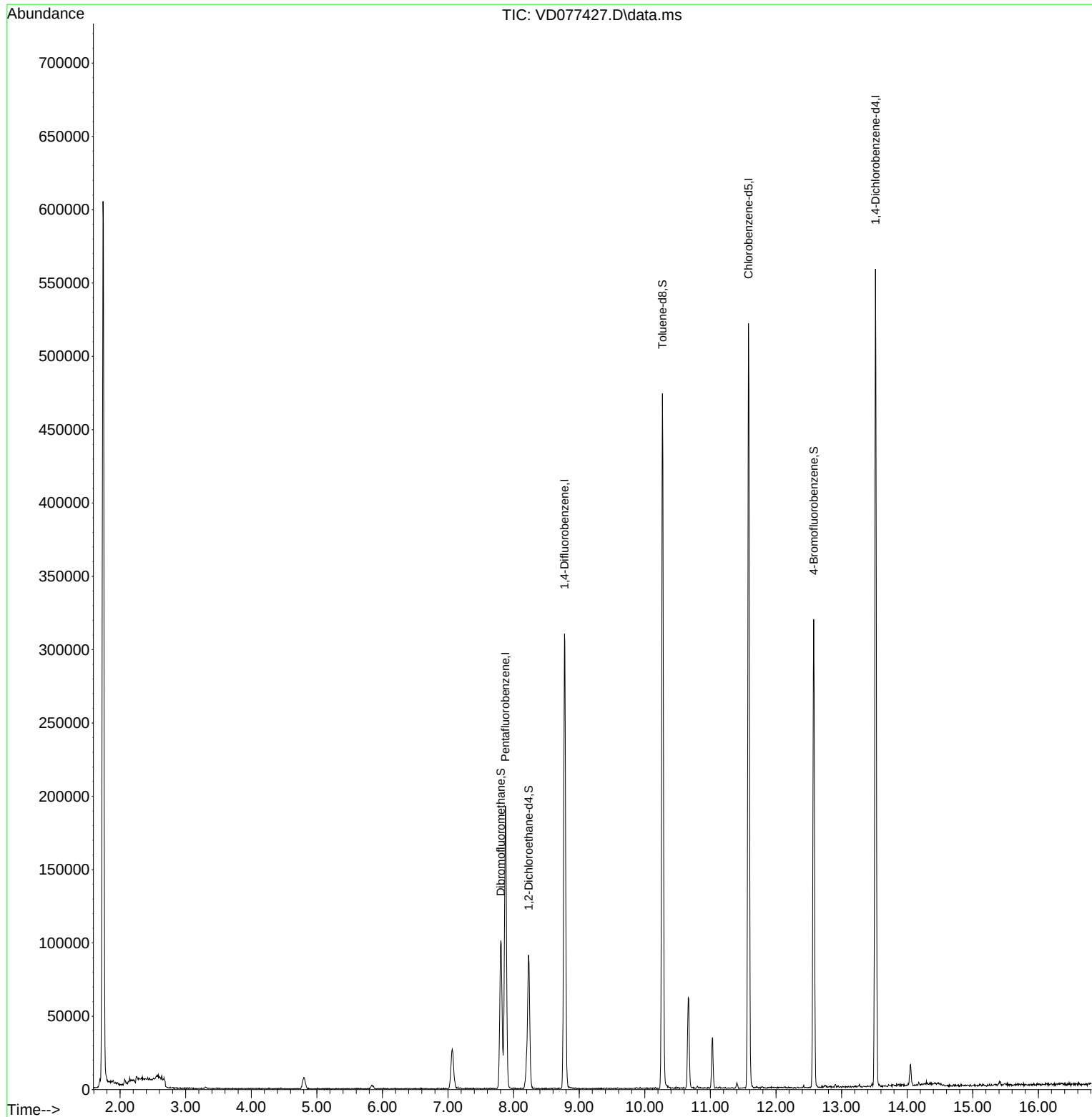
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

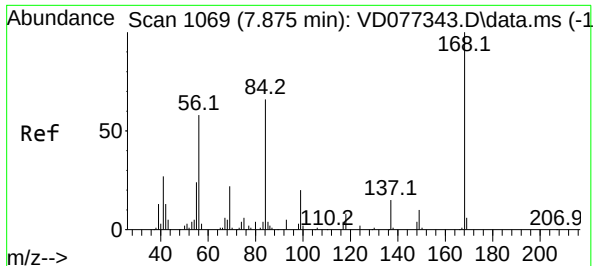
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
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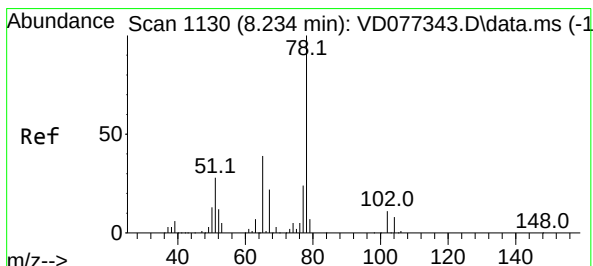
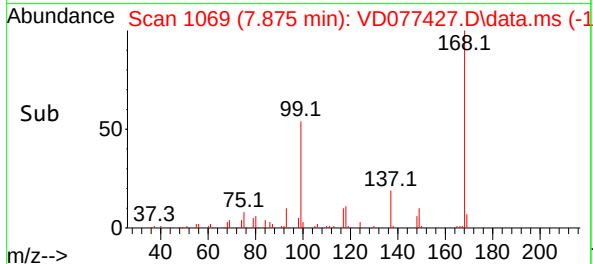
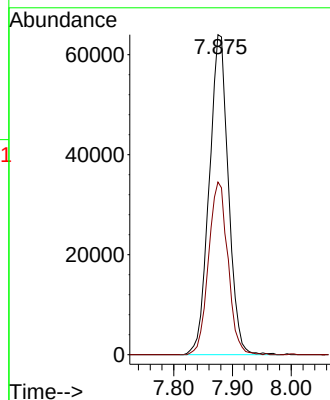
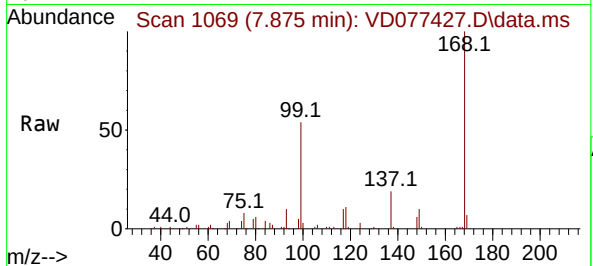




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1109  
Delta R.T. 0.000 min  
Lab File: VD077427.D  
Acq: 26 Oct 2023 12:02

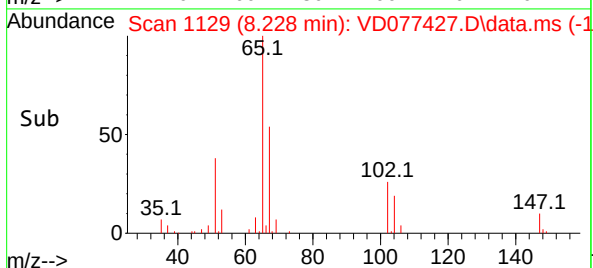
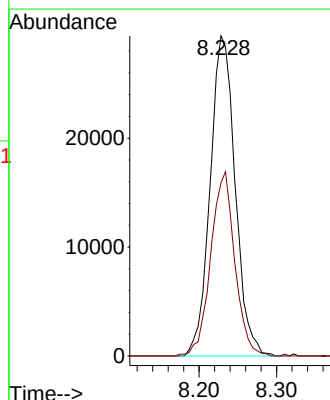
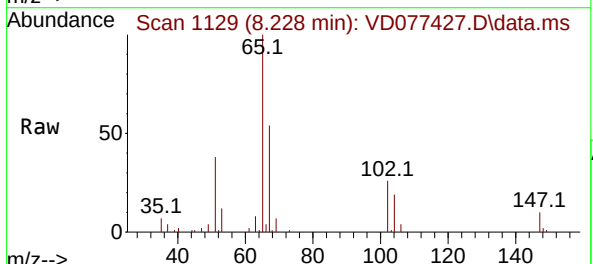
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1026

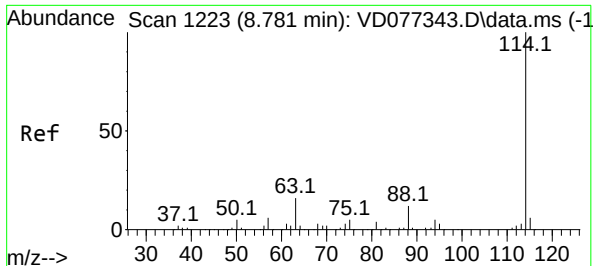
Tgt Ion:168 Resp: 144915  
Ion Ratio Lower Upper  
168 100  
99 54.0 36.7 55.1



#33  
1,2-Dichloroethane-d4  
Concen: 50.970 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. -0.006 min  
Lab File: VD077427.D  
Acq: 26 Oct 2023 12:02

Tgt Ion: 65 Resp: 65956  
Ion Ratio Lower Upper  
65 100  
67 55.2 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: VD077427.D

Acq: 26 Oct 2023 12:02

Instrument :

MSVOA\_D

ClientSampleId :

VD1026

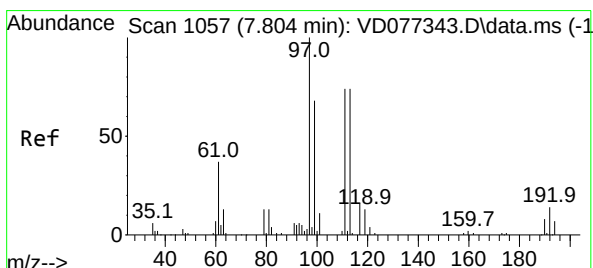
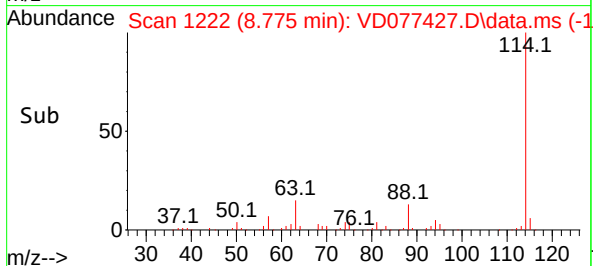
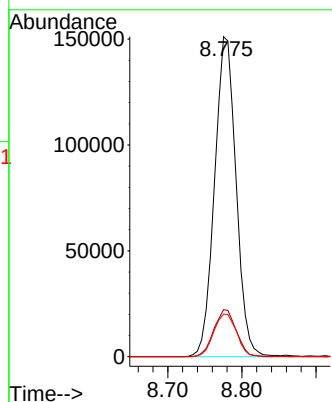
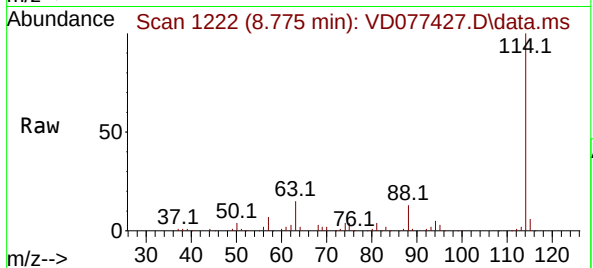
Tgt Ion:114 Resp: 305061

Ion Ratio Lower Upper

114 100

63 14.7 0.0 33.4

88 13.3 0.0 26.2



#35

Dibromofluoromethane

Concen: 35.244 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.001 min

Lab File: VD077427.D

Acq: 26 Oct 2023 12:02

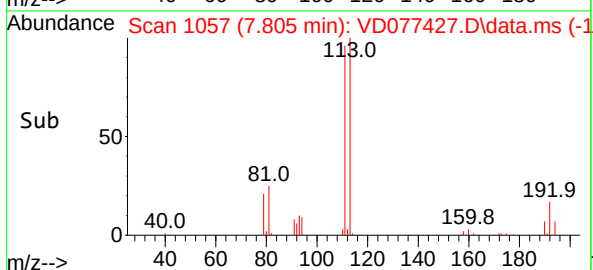
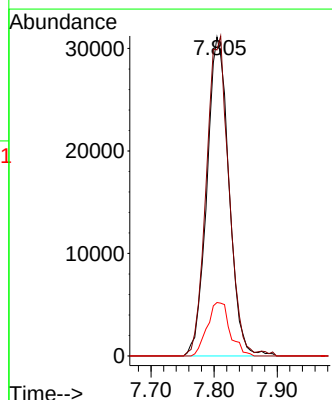
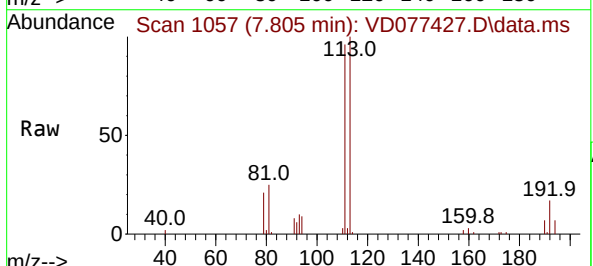
Tgt Ion:113 Resp: 75535

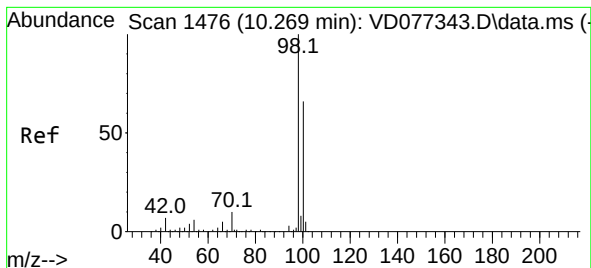
Ion Ratio Lower Upper

113 100

111 102.1 84.7 127.1

192 17.2 16.8 25.2





#50

Toluene-d8

Concen: 45.718 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077427.D

Acq: 26 Oct 2023 12:02

Instrument :

MSVOA\_D

ClientSampleId :

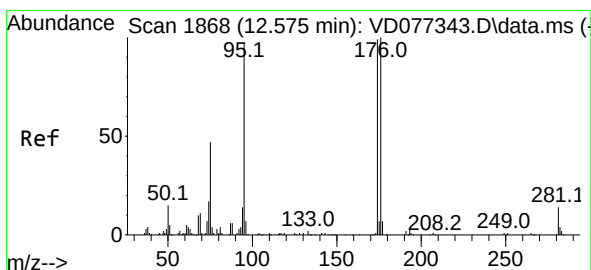
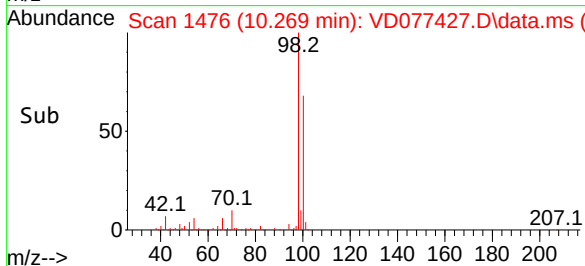
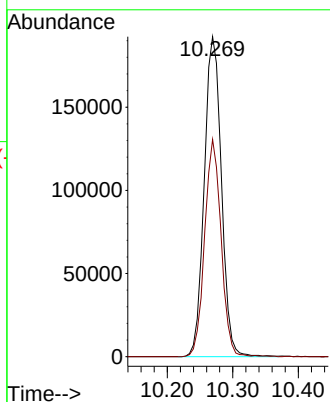
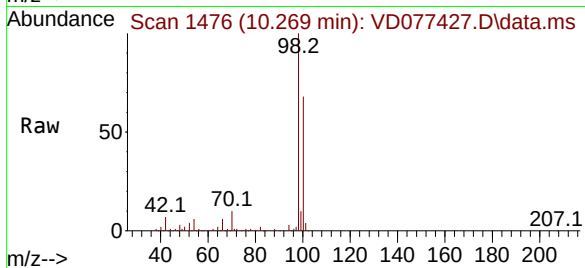
VD1026

Tgt Ion: 98 Resp: 350909

Ion Ratio Lower Upper

98 100

100 65.1 50.3 75.5



#62

4-Bromofluorobenzene

Concen: 44.171 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD077427.D

Acq: 26 Oct 2023 12:02

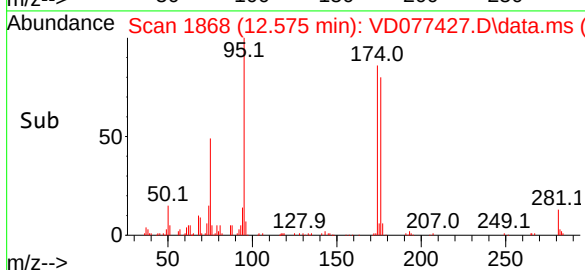
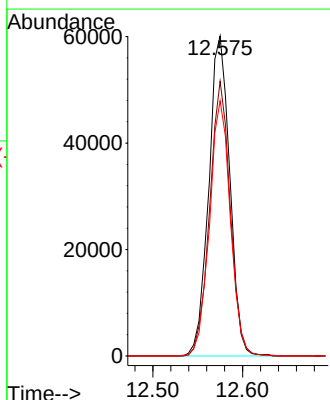
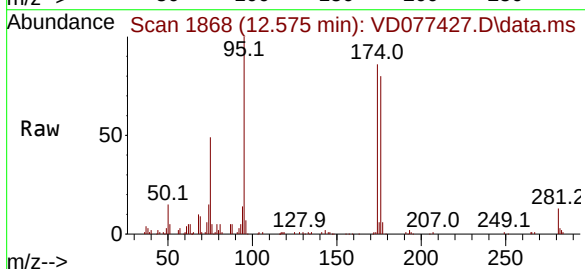
Tgt Ion: 95 Resp: 97592

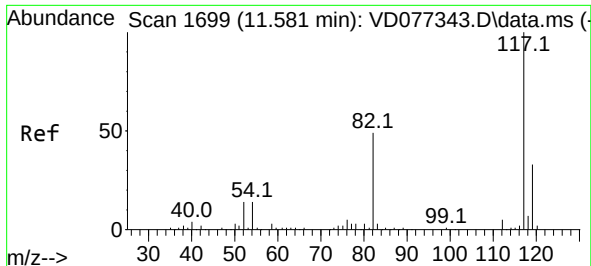
Ion Ratio Lower Upper

95 100

174 84.2 0.0 201.8

176 79.2 0.0 191.8

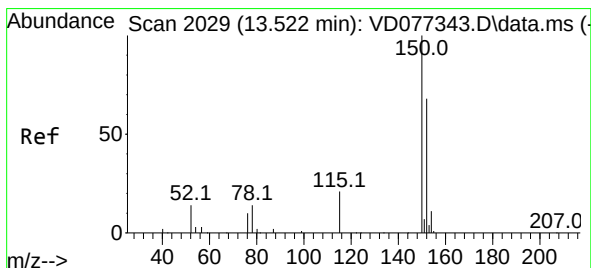
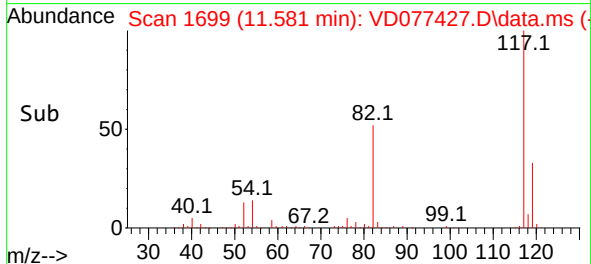
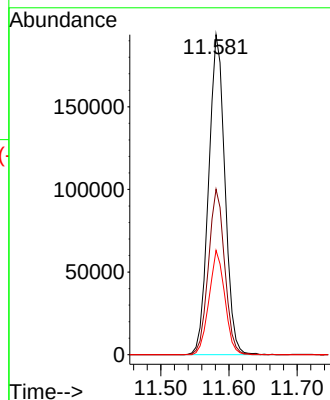
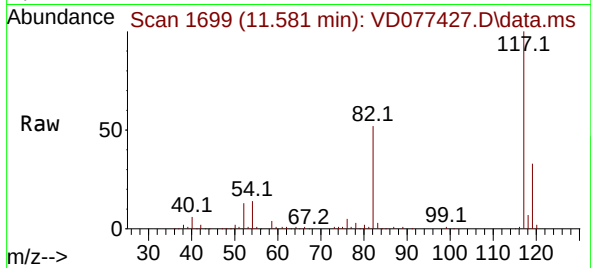




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VD077427.D  
Acq: 26 Oct 2023 12:02

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1026

Tgt Ion:117 Resp: 321886  
Ion Ratio Lower Upper  
117 100  
82 51.7 38.3 57.5  
119 32.6 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: VD077427.D  
Acq: 26 Oct 2023 12:02

Tgt Ion:152 Resp: 152160  
Ion Ratio Lower Upper  
152 100  
115 59.0 27.1 81.3  
150 156.3 0.0 353.6

