

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD051625\  
 Data File : VD080370.D  
 Acq On : 16 May 2025 14:40  
 Operator : RP/MD  
 Sample : Q2048-11  
 Misc : 5.07G/5.0ml/MSVOA\_D/SOIL/A  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 L2-WC-3-VOC

Quant Time: May 17 01:20:11 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D050625S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 07 08:57:11 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.876  | 168  | 71437    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.782  | 114  | 129699   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.576 | 117  | 116705   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.517 | 152  | 52253    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.235  | 65    | 37106    | 40.167   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 80.340%  |
| 35) Dibromofluoromethane    | 7.805  | 113   | 46684    | 53.704   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 107.400% |
| 50) Toluene-d8              | 10.270 | 98    | 168921   | 49.318   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 98.640%  |
| 62) 4-Bromofluorobenzene    | 12.570 | 95    | 44570    | 40.542   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 81.080%  |

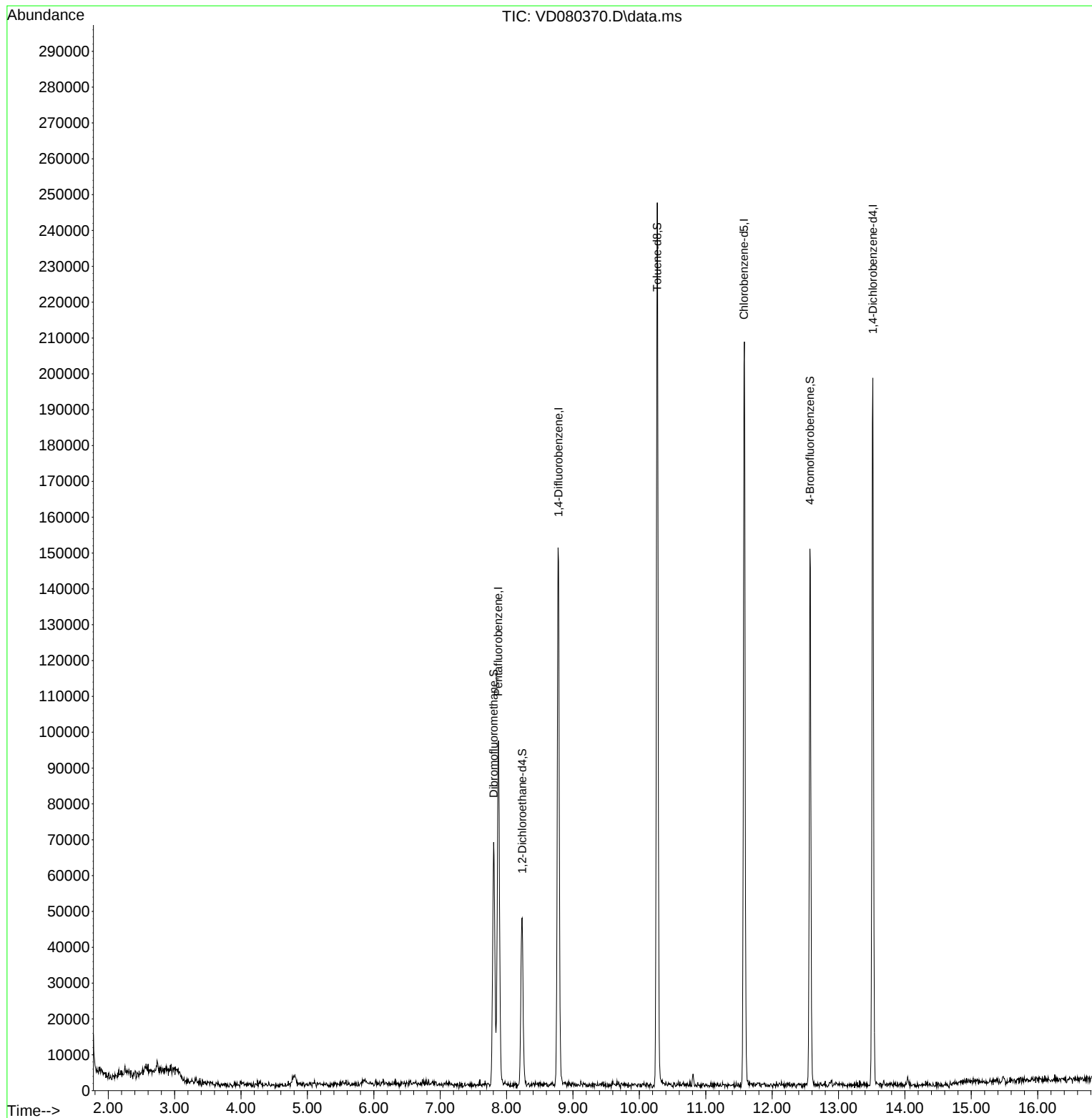
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

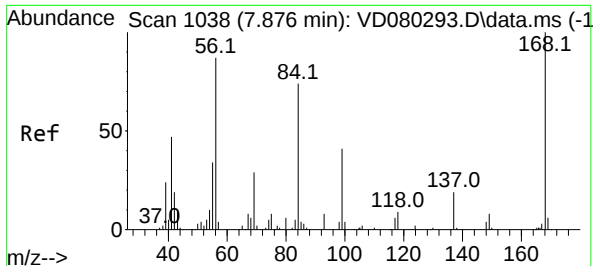
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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L2-WC-3-VOC

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Quant Title : SW846 8260  
QLast Update : Wed May 07 08:57:11 2025  
Response via : Initial Calibration

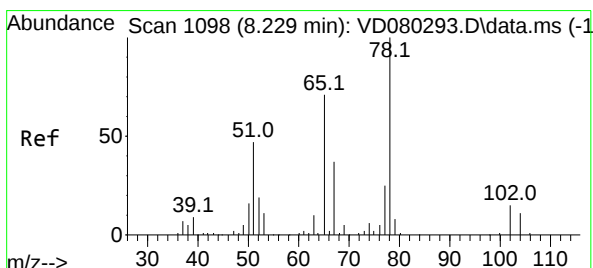
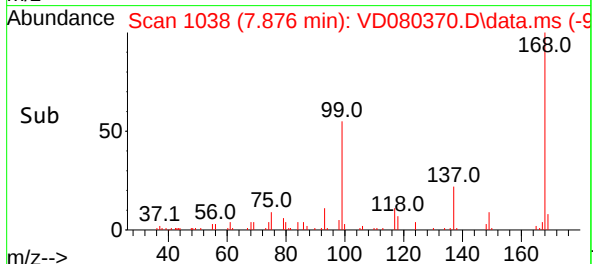
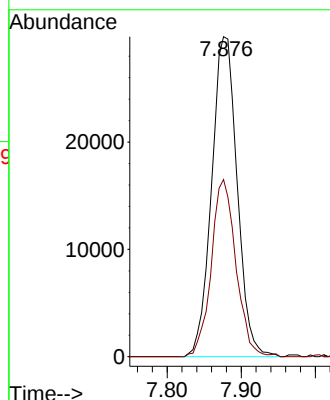
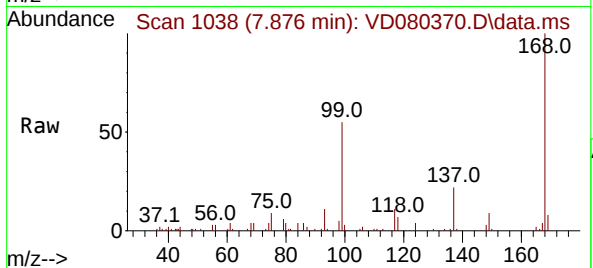




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.876 min Scan# 1038  
Delta R.T. 0.001 min  
Lab File: VD080370.D  
Acq: 16 May 2025 14:40

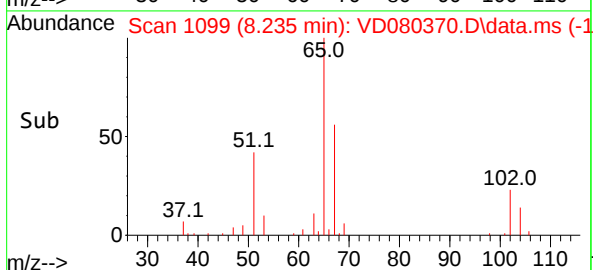
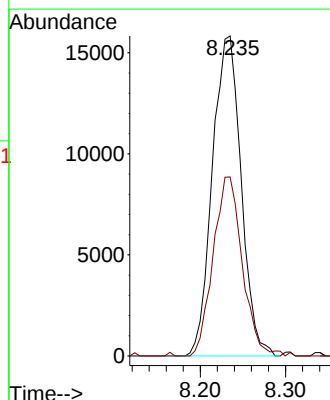
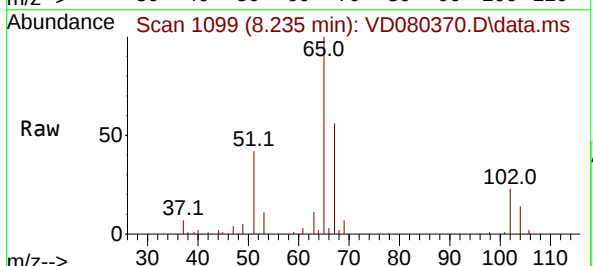
Instrument :  
MSVOA\_D  
ClientSampleId :  
L2-WC-3-VOC

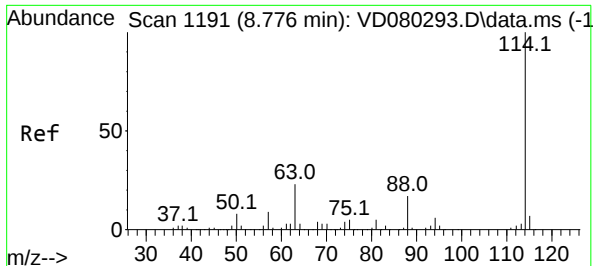
Tgt Ion:168 Resp: 71437  
Ion Ratio Lower Upper  
168 100  
99 55.3 46.0 69.0



#33  
1,2-Dichloroethane-d4  
Concen: 40.167 ug/l  
RT: 8.235 min Scan# 1099  
Delta R.T. 0.007 min  
Lab File: VD080370.D  
Acq: 16 May 2025 14:40

Tgt Ion: 65 Resp: 37106  
Ion Ratio Lower Upper  
65 100  
67 56.8 0.0 109.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.782 min Scan# 1191

Delta R.T. 0.007 min

Lab File: VD080370.D

Acq: 16 May 2025 14:40

Instrument :

MSVOA\_D

ClientSampleId :

L2-WC-3-VOC

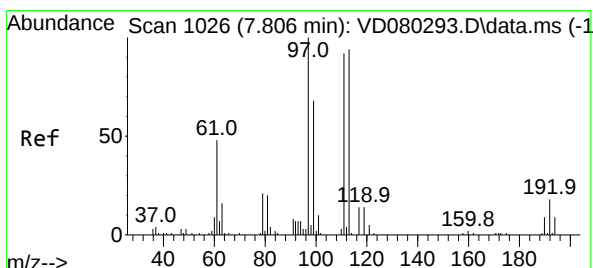
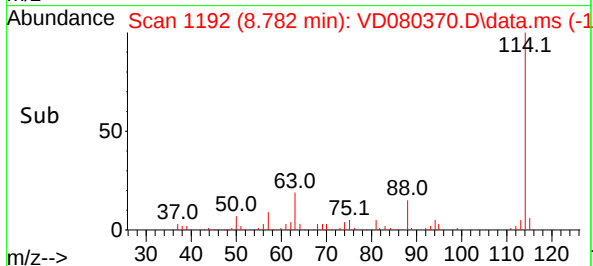
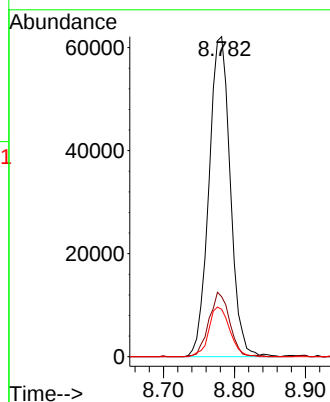
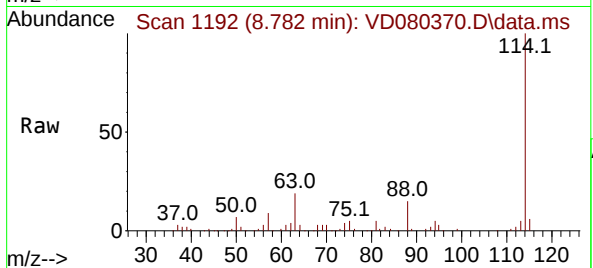
Tgt Ion:114 Resp: 129699

Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.8

88 14.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.704 ug/l

RT: 7.805 min Scan# 1026

Delta R.T. 0.000 min

Lab File: VD080370.D

Acq: 16 May 2025 14:40

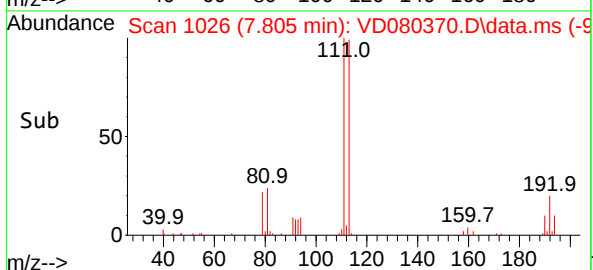
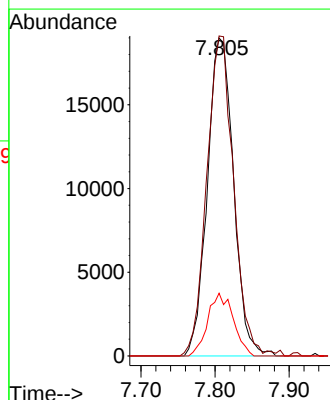
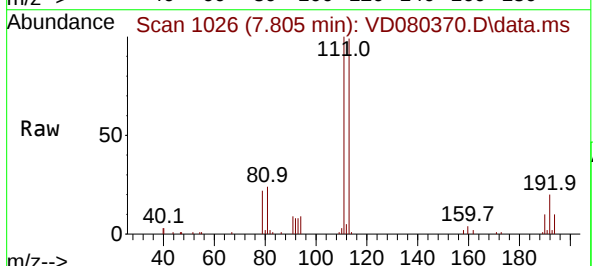
Tgt Ion:113 Resp: 46684

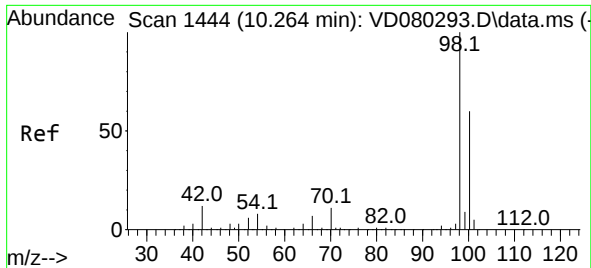
Ion Ratio Lower Upper

113 100

111 102.8 82.5 123.7

192 19.2 16.6 25.0

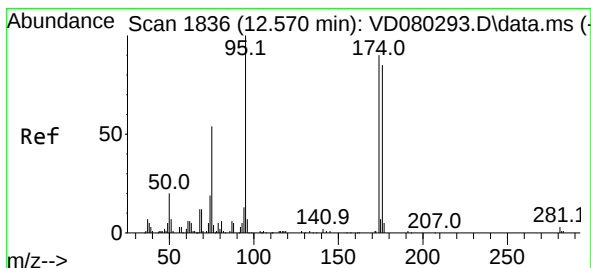
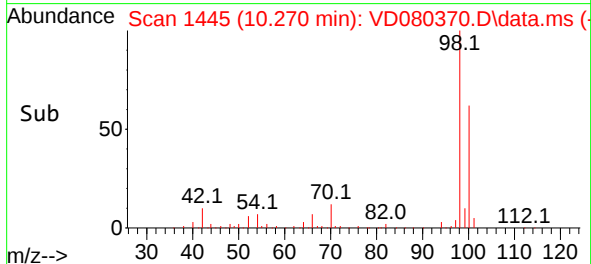
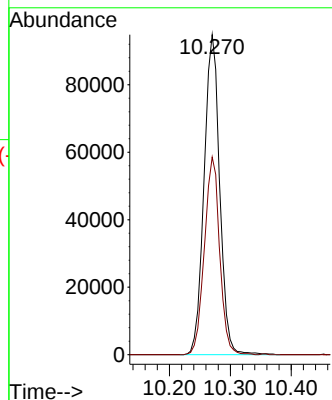
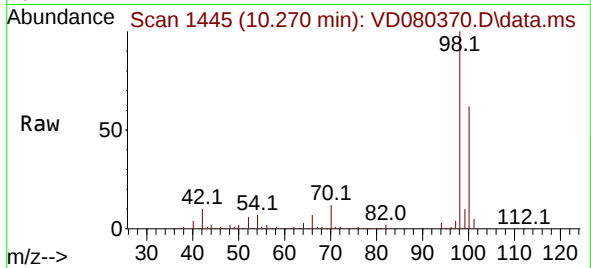




#50  
Toluene-d8  
Concen: 49.318 ug/l  
RT: 10.270 min Scan# 1444  
Delta R.T. 0.001 min  
Lab File: VD080370.D  
Acq: 16 May 2025 14:40

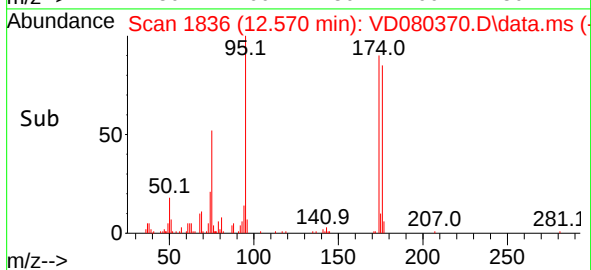
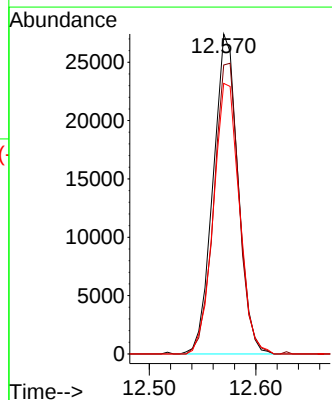
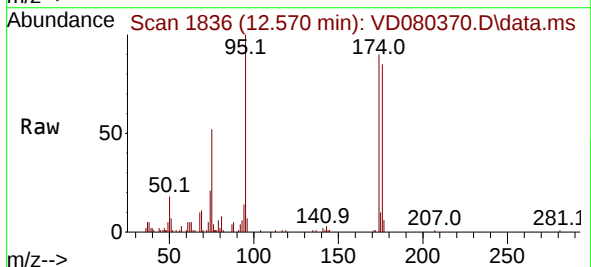
Instrument :  
MSVOA\_D  
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L2-WC-3-VOC

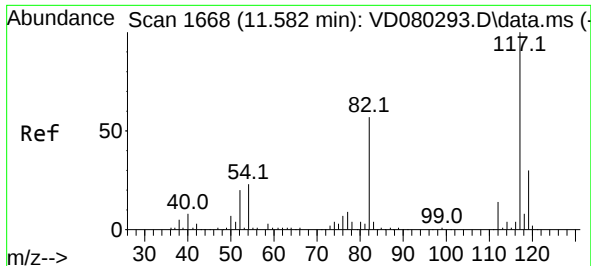
Tgt Ion: 98 Resp: 168921  
Ion Ratio Lower Upper  
98 100  
100 60.3 50.2 75.4



#62  
4-Bromofluorobenzene  
Concen: 40.542 ug/l  
RT: 12.570 min Scan# 1836  
Delta R.T. 0.001 min  
Lab File: VD080370.D  
Acq: 16 May 2025 14:40

Tgt Ion: 95 Resp: 44570  
Ion Ratio Lower Upper  
95 100  
174 91.3 0.0 173.4  
176 87.6 0.0 166.6

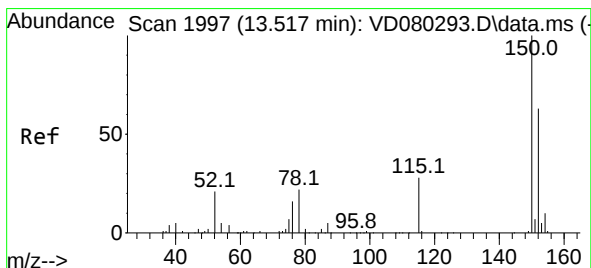
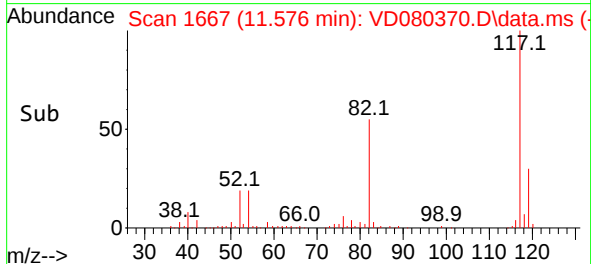
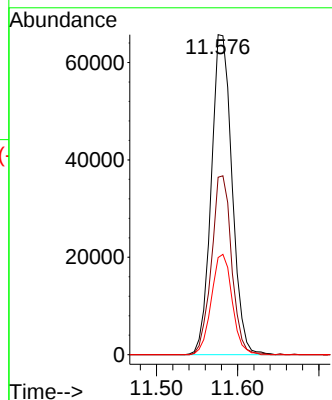
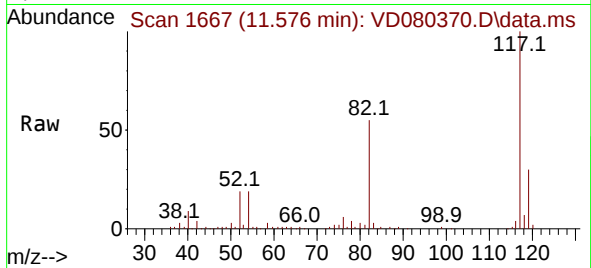




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.576 min Scan# 116705  
Delta R.T. -0.005 min  
Lab File: VD080370.D  
Acq: 16 May 2025 14:40

Instrument :  
MSVOA\_D  
ClientSampleId :  
L2-WC-3-VOC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 55.5  | 45.8  | 68.6  |
| 119     | 30.4  | 26.2  | 39.2  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.517 min Scan# 1997  
Delta R.T. 0.001 min  
Lab File: VD080370.D  
Acq: 16 May 2025 14:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 58.4  | 28.9  | 86.8  |
| 150     | 160.2 | 0.0   | 354.8 |

