

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD090624\  
 Data File : VD079800.D  
 Acq On : 06 Sep 2024 16:01  
 Operator : RP/MD  
 Sample : P3857-03  
 Misc : 6.36G/5.0ml/MSVOA\_D/SOIL/A  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 WC-C1-GRAB

Quant Time: Sep 06 23:59:37 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D083024S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 30 15:57:30 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.881  | 168  | 65604    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.775  | 114  | 142623   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 132685   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 52512    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 51366    | 57.424   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 114.840% |
| 35) Dibromofluoromethane    | 7.805  | 113   | 48968    | 52.822   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 105.640% |
| 50) Toluene-d8              | 10.269 | 98    | 197349   | 49.637   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 99.280%  |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 46959    | 42.211   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =    | 84.420%  |

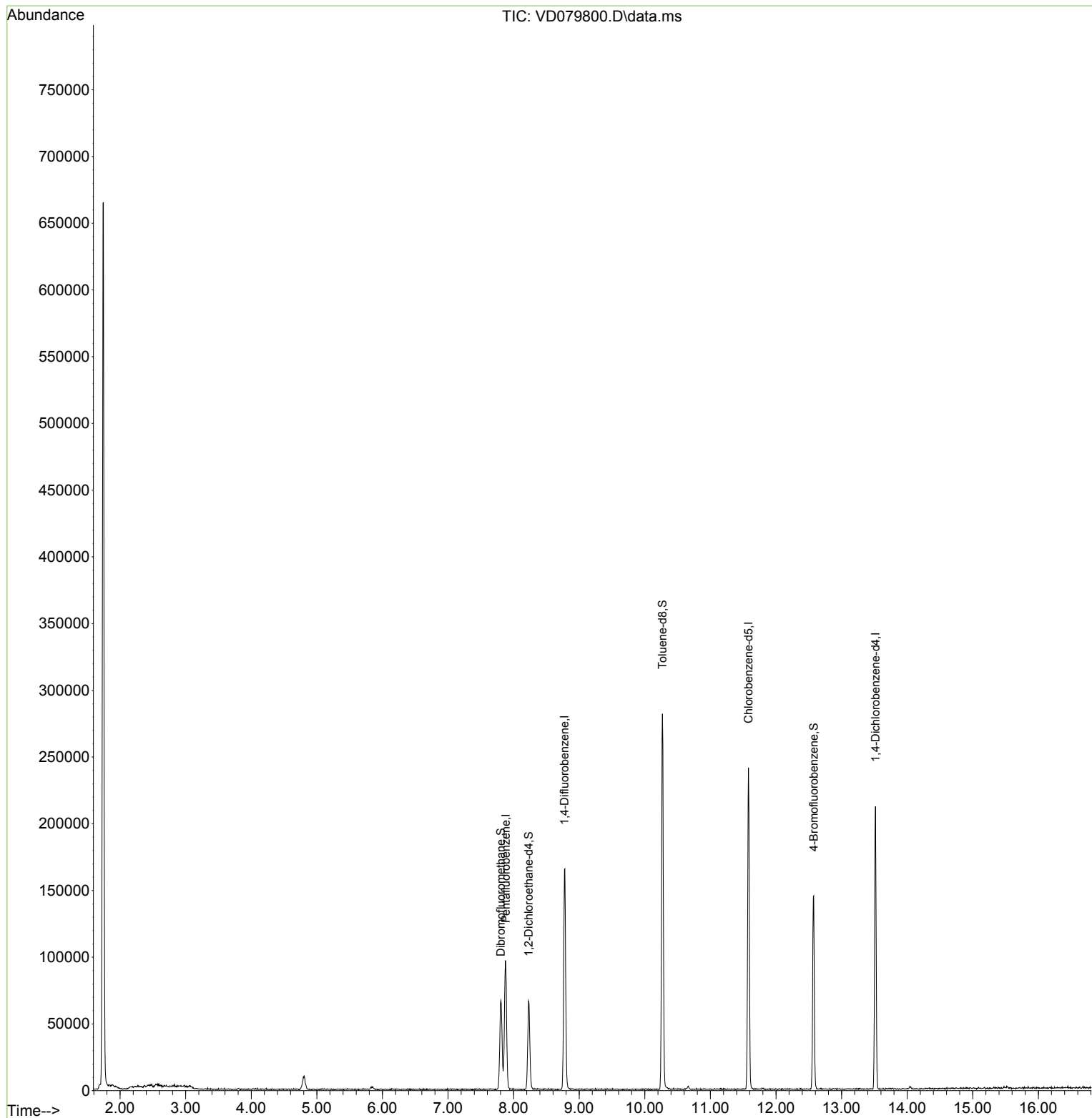
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

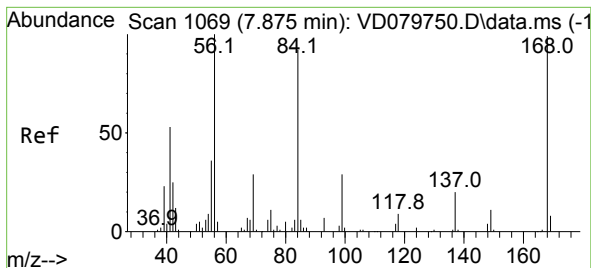
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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WC-C1-GRAB

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Quant Title : SW846 8260  
QLast Update : Fri Aug 30 15:57:30 2024  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. 0.006 min

Lab File: VD079800.D

Acq: 06 Sep 2024 16:01

Instrument :

MSVOA\_D

ClientSampleId :

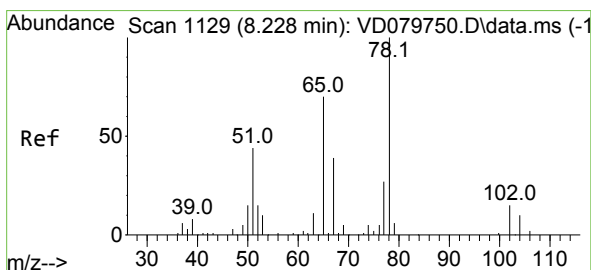
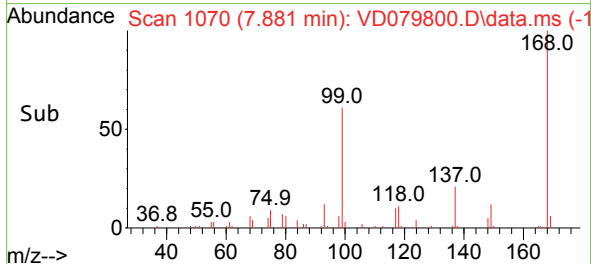
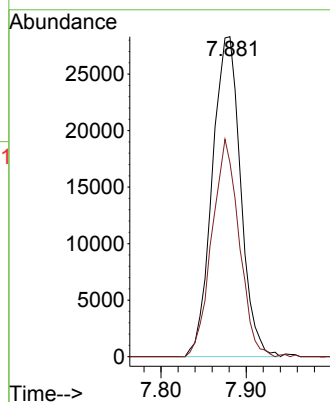
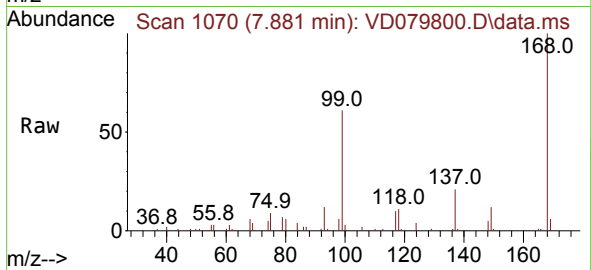
WC-C1-GRAB

Tgt Ion:168 Resp: 65604

Ion Ratio Lower Upper

168 100

99 60.6 41.1 61.7



#33

1,2-Dichloroethane-d4

Concen: 57.424 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD079800.D

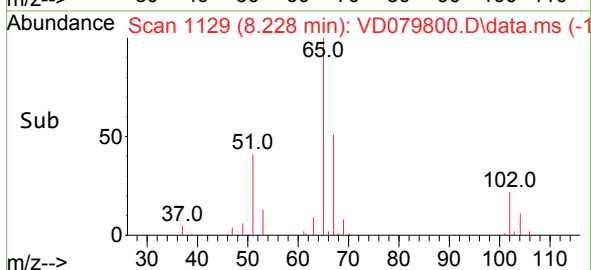
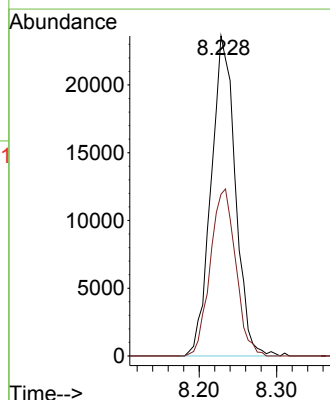
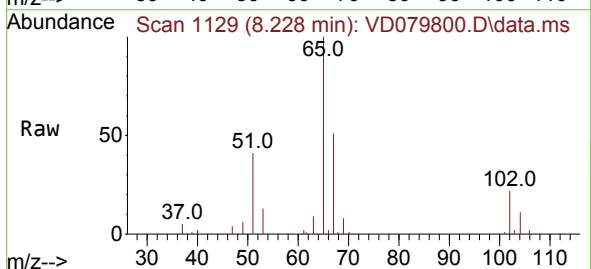
Acq: 06 Sep 2024 16:01

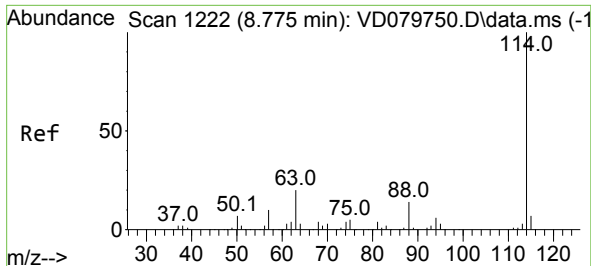
Tgt Ion: 65 Resp: 51366

Ion Ratio Lower Upper

65 100

67 54.7 0.0 111.0

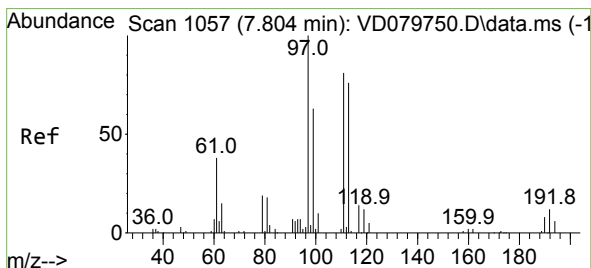
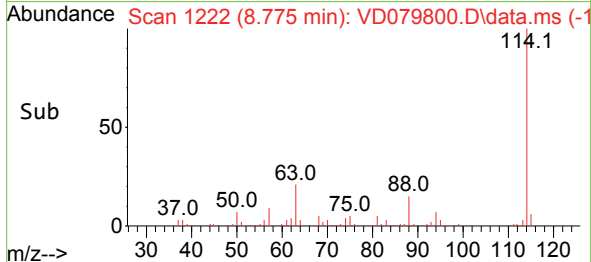
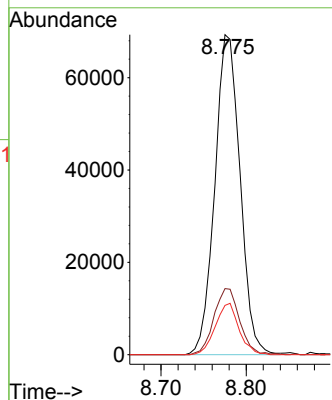
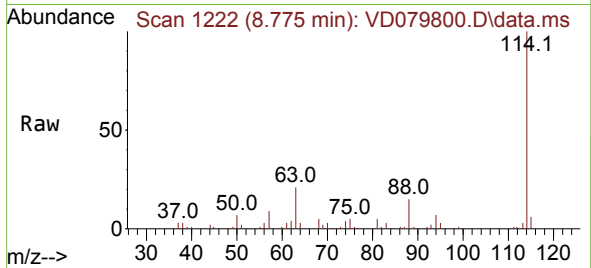




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.775 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD079800.D  
Acq: 06 Sep 2024 16:01

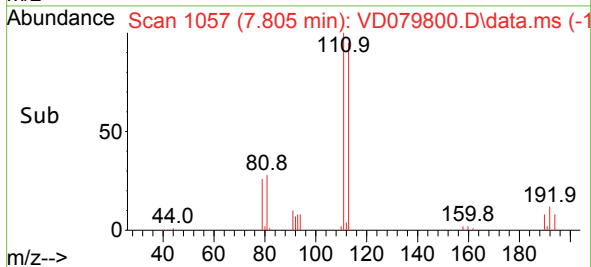
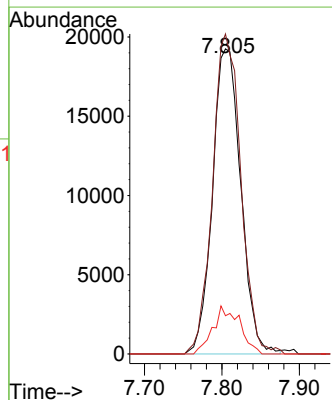
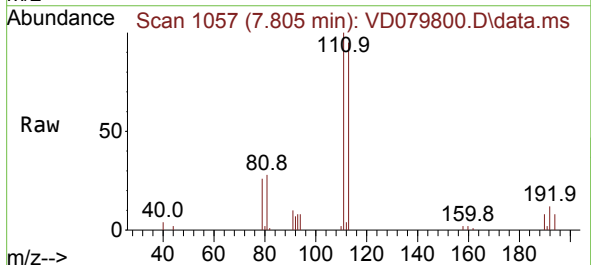
Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-C1-GRAB

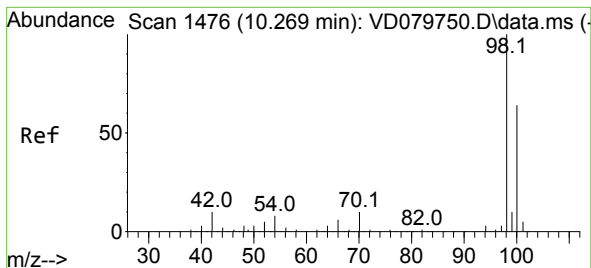
Tgt Ion:114 Resp: 142623  
Ion Ratio Lower Upper  
114 100  
63 20.6 0.0 34.0  
88 15.4 0.0 27.2



#35  
Dibromofluoromethane  
Concen: 52.822 ug/l  
RT: 7.805 min Scan# 1057  
Delta R.T. -0.000 min  
Lab File: VD079800.D  
Acq: 06 Sep 2024 16:01

Tgt Ion:113 Resp: 48968  
Ion Ratio Lower Upper  
113 100  
111 104.9 84.0 126.0  
192 14.8 15.4 23.0#





#50

Toluene-d8

Concen: 49.637 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD079800.D

Acq: 06 Sep 2024 16:01

Instrument :

MSVOA\_D

ClientSampleId :

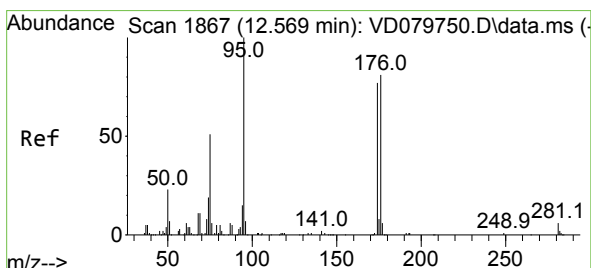
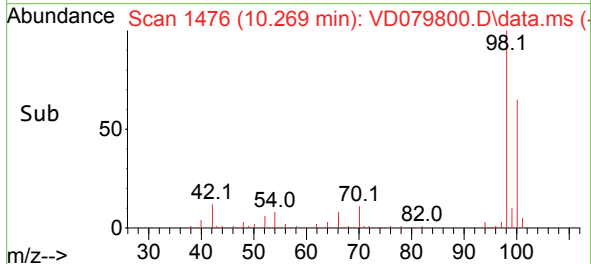
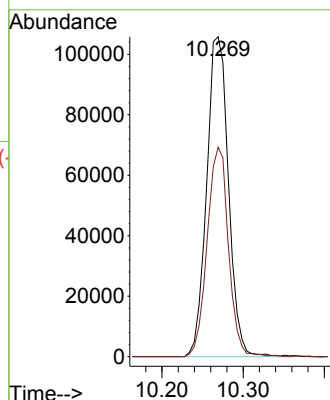
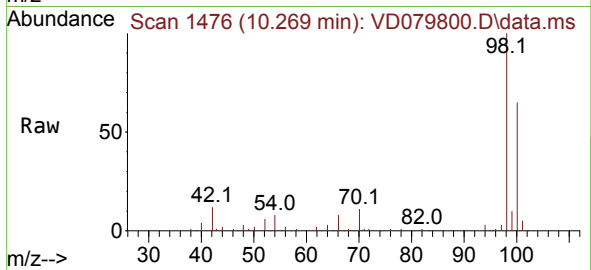
WC-C1-GRAB

Tgt Ion: 98 Resp: 197349

Ion Ratio Lower Upper

98 100

100 63.9 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 42.211 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.006 min

Lab File: VD079800.D

Acq: 06 Sep 2024 16:01

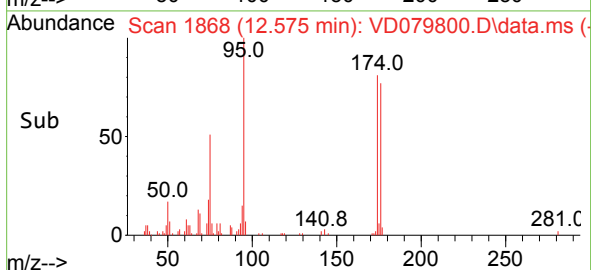
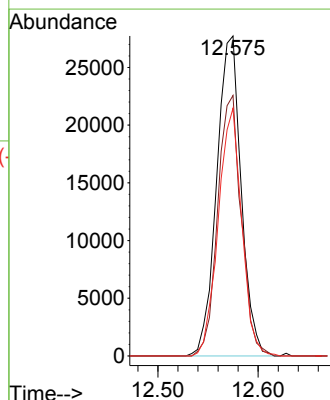
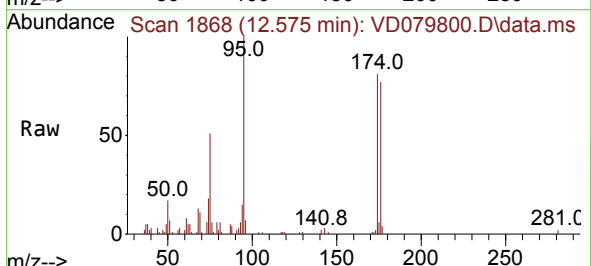
Tgt Ion: 95 Resp: 46959

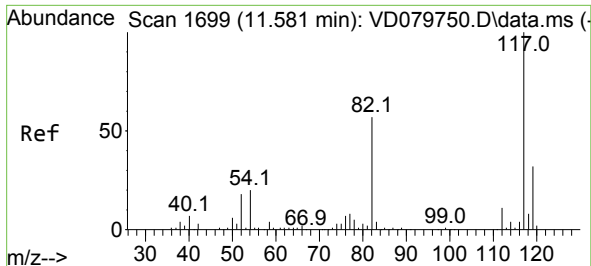
Ion Ratio Lower Upper

95 100

174 78.6 0.0 195.4

176 74.2 0.0 192.6

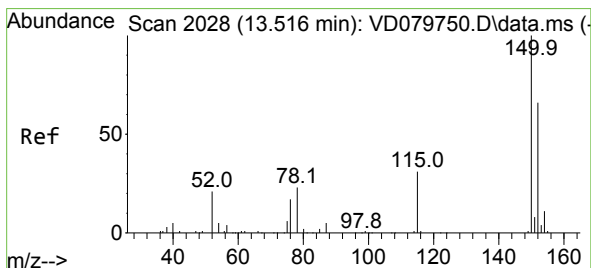
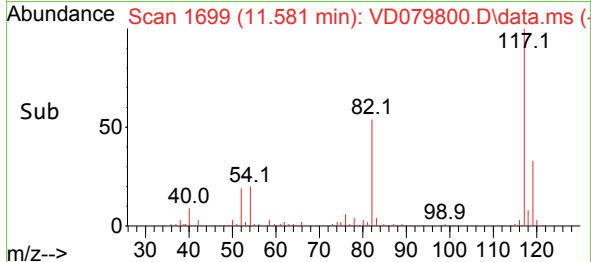
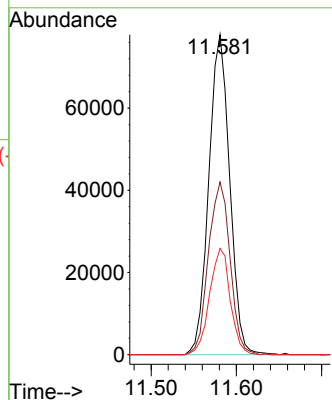
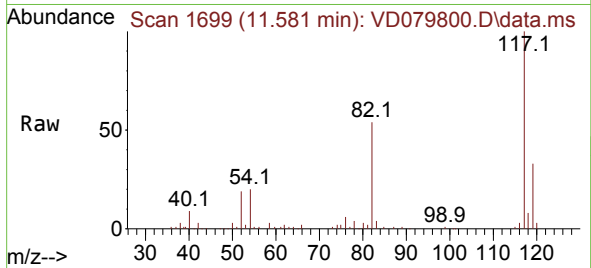




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VD079800.D  
Acq: 06 Sep 2024 16:01

Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-C1-GRAB

Tgt Ion:117 Resp: 132685  
Ion Ratio Lower Upper  
117 100  
82 53.9 39.8 59.6  
119 33.2 25.7 38.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. -0.000 min  
Lab File: VD079800.D  
Acq: 06 Sep 2024 16:01

Tgt Ion:152 Resp: 52512  
Ion Ratio Lower Upper  
152 100  
115 63.7 26.5 79.5  
150 158.3 0.0 341.6

