

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD042423\  
 Data File : VD075794.D  
 Acq On : 24 Apr 2023 14:28  
 Operator : KP/SY  
 Sample : 02416-02  
 Misc : 5.47G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 1-GRAB

Quant Time: Apr 25 06:09:28 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D041323S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 13 14:16:29 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.875  | 168  | 217396   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.781  | 114  | 398393   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 271737   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.522 | 152  | 61379    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.234  | 65    | 113417   | 54.963   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 109.920% |
| 35) Dibromofluoromethane    | 7.811  | 113   | 136686   | 51.010   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 102.020% |
| 50) Toluene-d8              | 10.269 | 98    | 425149   | 39.620   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 79.240%  |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 68988    | 24.188   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 48.380%  |

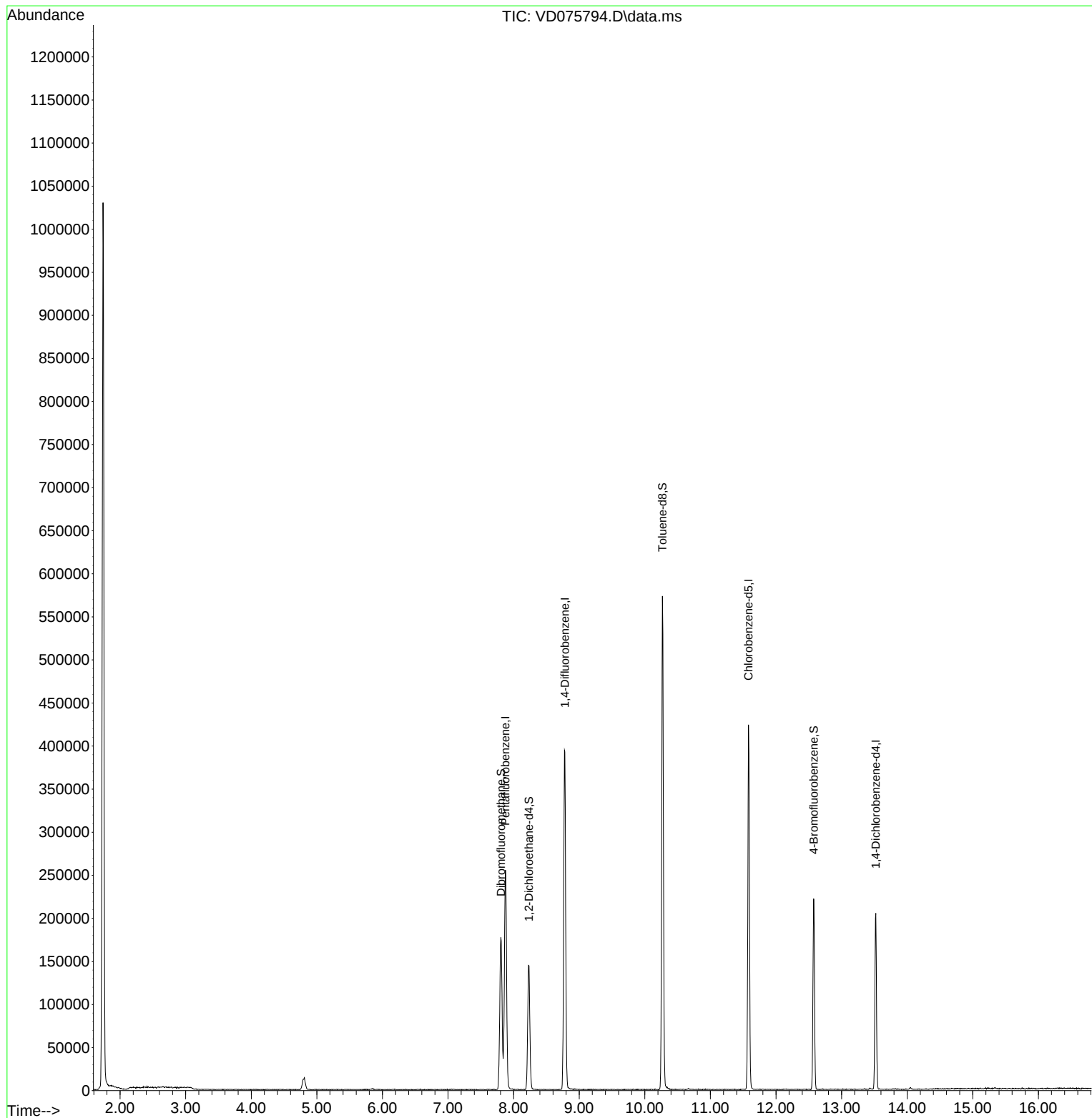
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

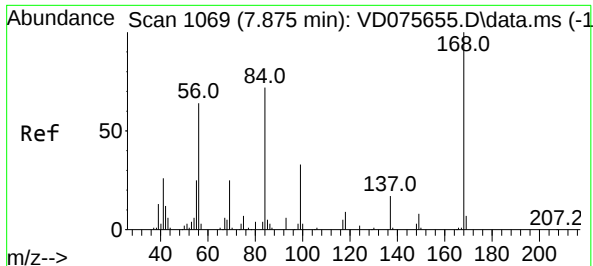
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
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Response via : Initial Calibration

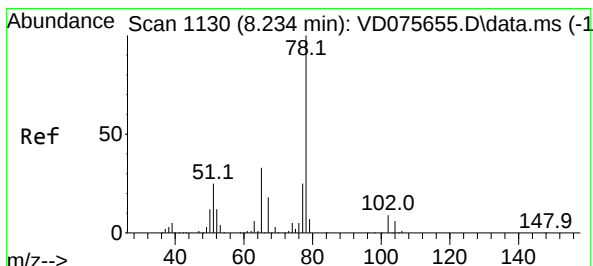
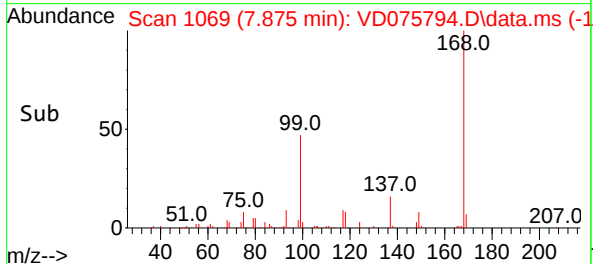
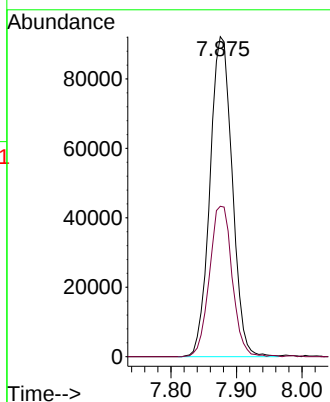
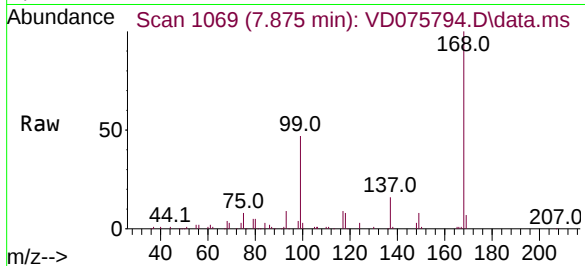




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD075794.D  
Acq: 24 Apr 2023 14:28

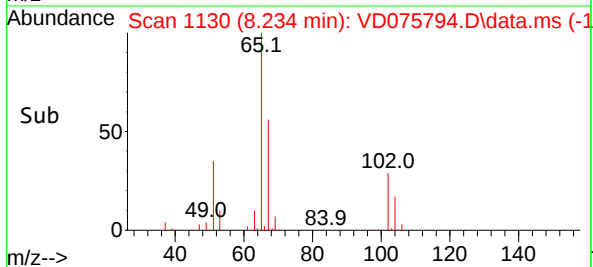
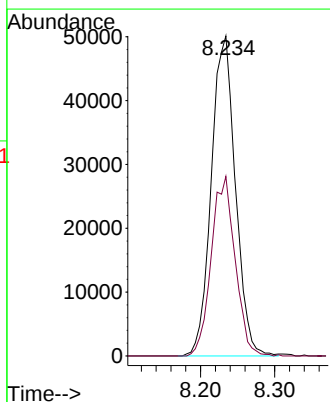
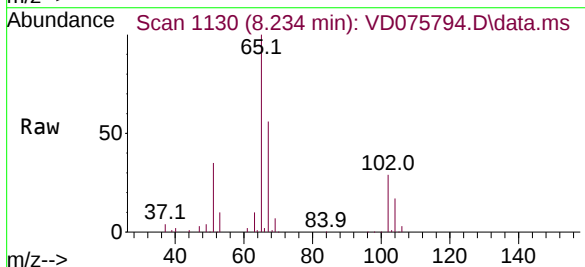
Instrument :  
MSVOA\_D  
ClientSampleId :  
1-GRAB

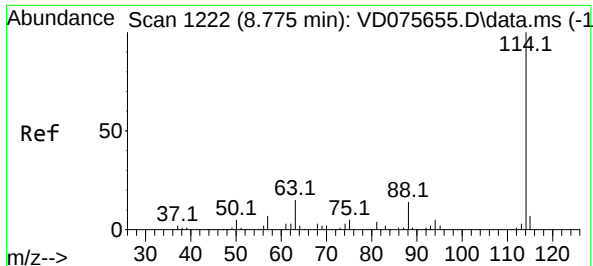
Tgt Ion:168 Resp: 217396  
Ion Ratio Lower Upper  
168 100  
99 47.0 43.8 65.6



#33  
1,2-Dichloroethane-d4  
Concen: 54.963 ug/l  
RT: 8.234 min Scan# 1130  
Delta R.T. 0.000 min  
Lab File: VD075794.D  
Acq: 24 Apr 2023 14:28

Tgt Ion: 65 Resp: 113417  
Ion Ratio Lower Upper  
65 100  
67 55.4 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD075794.D

Acq: 24 Apr 2023 14:28

Instrument :

MSVOA\_D

ClientSampleId :

1-GRAB

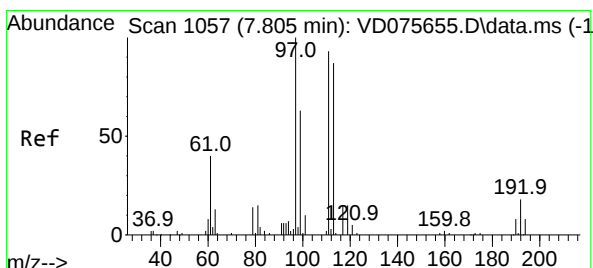
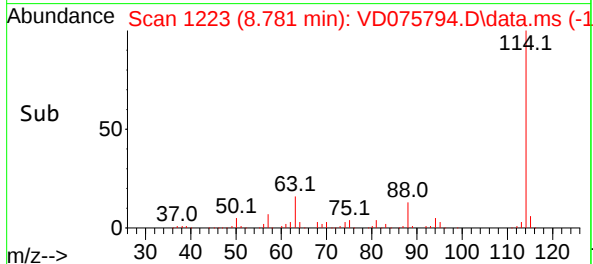
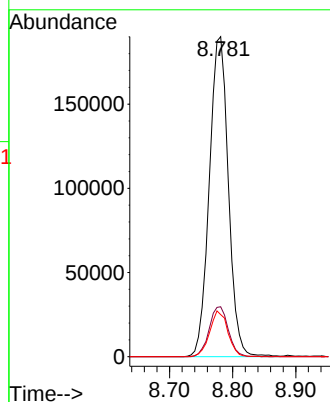
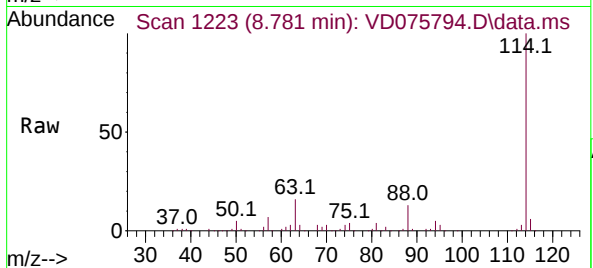
Tgt Ion:114 Resp: 398393

Ion Ratio Lower Upper

114 100

63 15.6 0.0 41.6

88 13.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.010 ug/l

RT: 7.811 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD075794.D

Acq: 24 Apr 2023 14:28

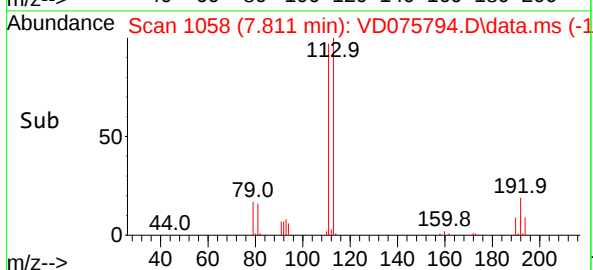
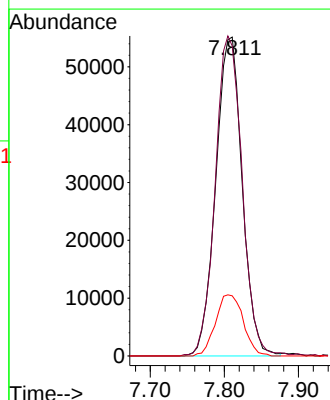
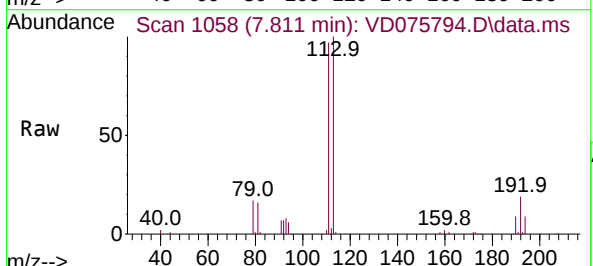
Tgt Ion:113 Resp: 136686

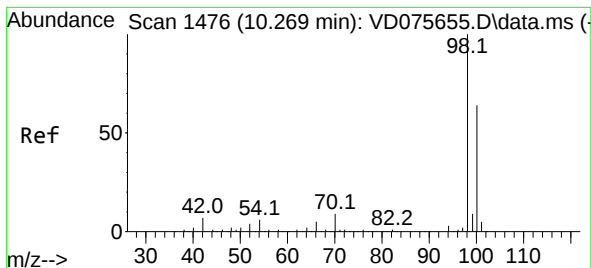
Ion Ratio Lower Upper

113 100

111 101.9 81.4 122.0

192 20.1 15.2 22.8





#50

Toluene-d8

Concen: 39.620 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD075794.D

Acq: 24 Apr 2023 14:28

Instrument :

MSVOA\_D

ClientSampleId :

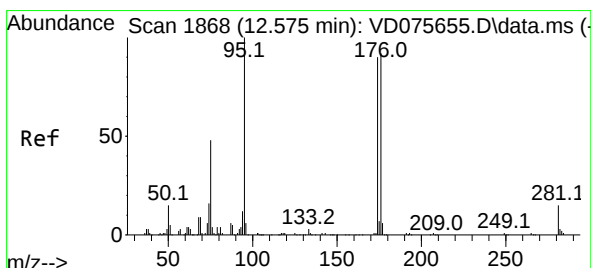
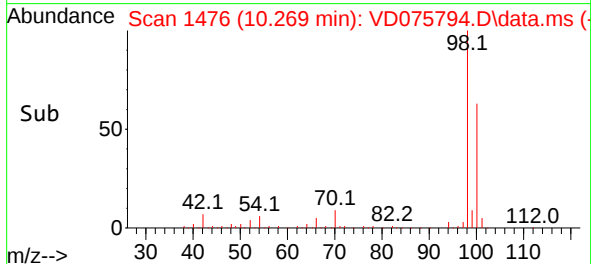
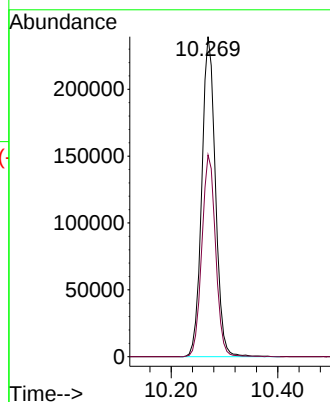
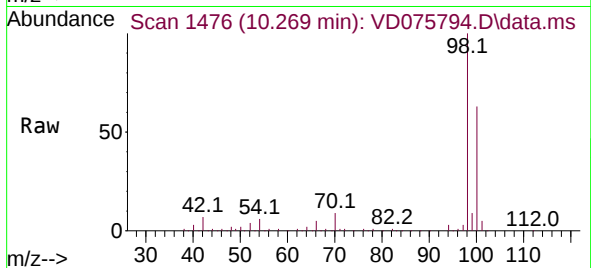
1-GRAB

Tgt Ion: 98 Resp: 425149

Ion Ratio Lower Upper

98 100

100 63.4 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 24.188 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.000 min

Lab File: VD075794.D

Acq: 24 Apr 2023 14:28

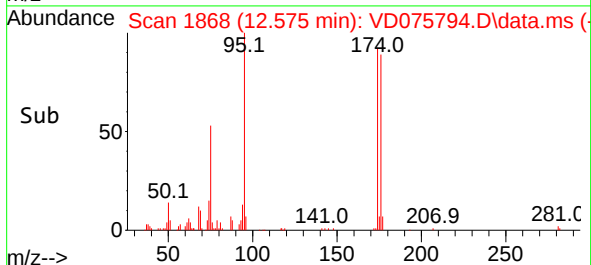
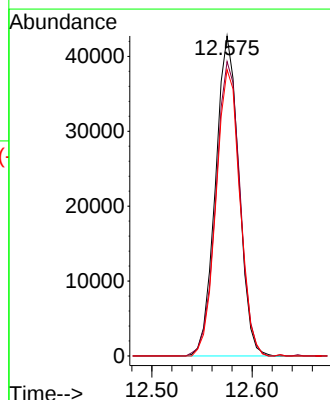
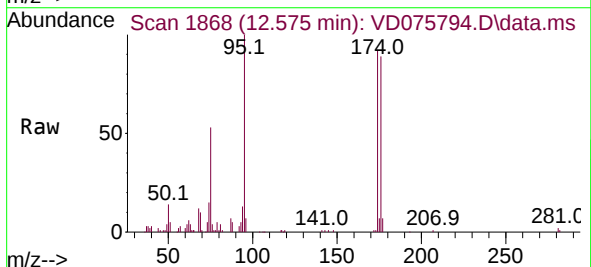
Tgt Ion: 95 Resp: 68988

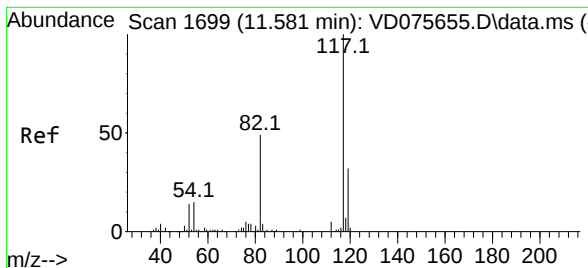
Ion Ratio Lower Upper

95 100

174 94.9 0.0 164.0

176 91.3 0.0 156.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD075794.D

Acq: 24 Apr 2023 14:28

Instrument :

MSVOA\_D

ClientSampleId :

1-GRAB

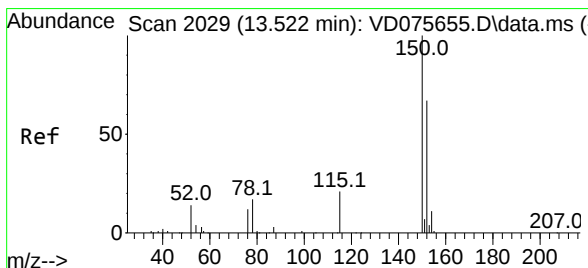
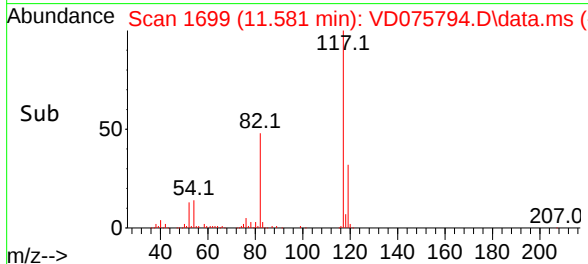
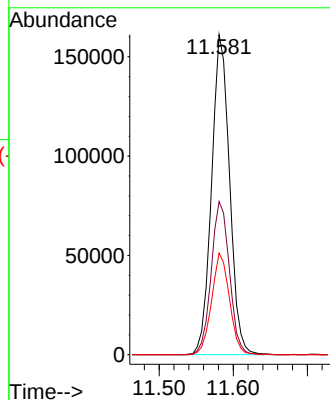
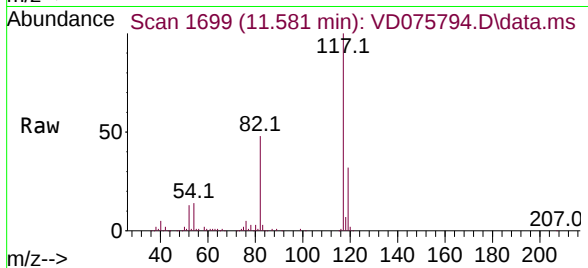
Tgt Ion:117 Resp: 271737

Ion Ratio Lower Upper

117 100

82 47.8 44.0 66.0

119 31.8 25.1 37.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 2029

Delta R.T. 0.000 min

Lab File: VD075794.D

Acq: 24 Apr 2023 14:28

Tgt Ion:152 Resp: 61379

Ion Ratio Lower Upper

152 100

115 52.5 30.1 90.3

150 158.1 0.0 364.8

