

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053122\  
 Data File : VD073428.D  
 Acq On : 31 May 2022 16:42  
 Operator : VA/SY  
 Sample : N3077-01  
 Misc : 4.23G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 CL-02-052622

Quant Time: May 31 17:44:14 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051922S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 19 15:13:42 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.973  | 168  | 353114   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.855  | 114  | 604371   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.632 | 117  | 625213   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.561 | 152  | 286945   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.320  | 65    | 172750   | 44.268   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 88.540%  |
| 35) Dibromofluoromethane    | 7.902  | 113   | 191724   | 48.075   | ug/l | -0.01    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 96.140%  |
| 50) Toluene-d8              | 10.332 | 98    | 717155   | 48.783   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 97.560%  |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 283703   | 54.990   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 109.980% |

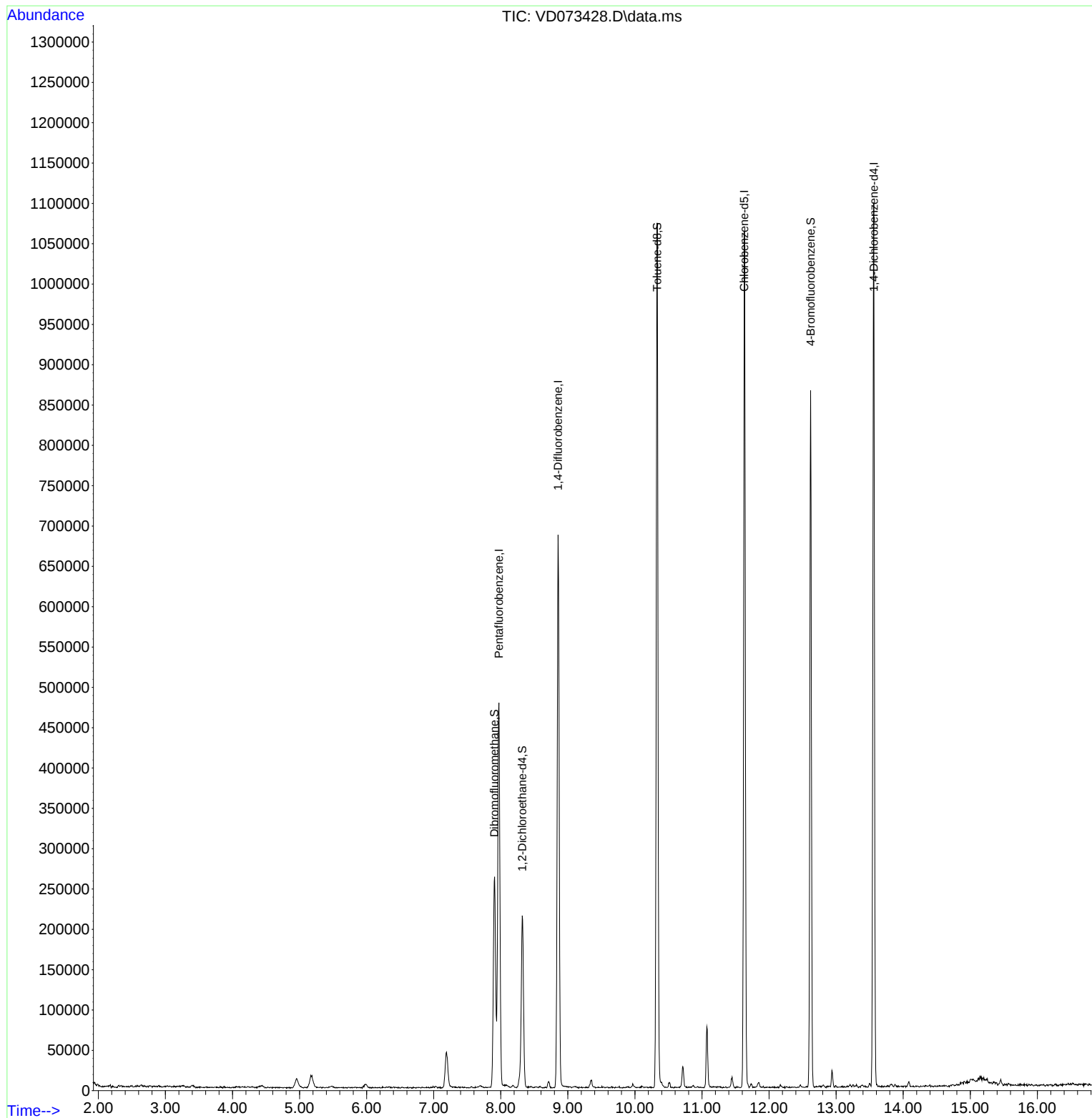
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

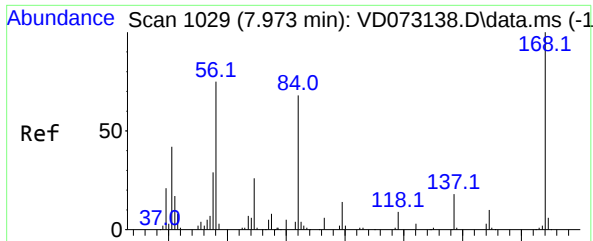
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
CL-02-052622

Quant Time: May 31 17:44:14 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051922S.M  
Quant Title : SW846 8260  
QLast Update : Thu May 19 15:13:42 2022  
Response via : Initial Calibration





Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.000 min

Lab File: VD073428.D

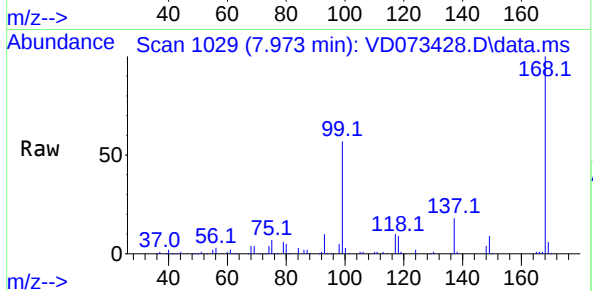
Acq: 31 May 2022 16:42

Instrument :

MSVOA\_D

ClientSampleId :

CL-02-052622

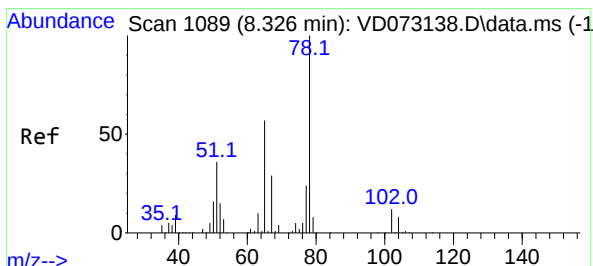
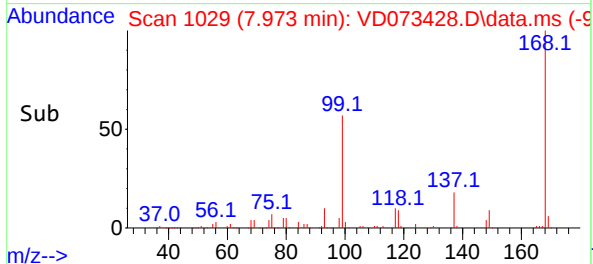
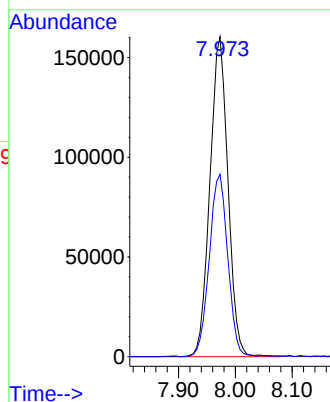


Tgt Ion:168 Resp: 353114

Ion Ratio Lower Upper

168 100

99 57.0 49.8 74.6



1,2-Dichloroethane-d4

Concen: 44.268 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. -0.006 min

Lab File: VD073428.D

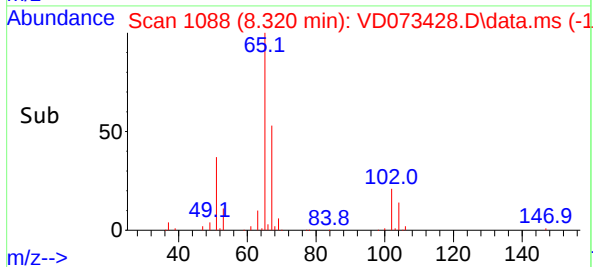
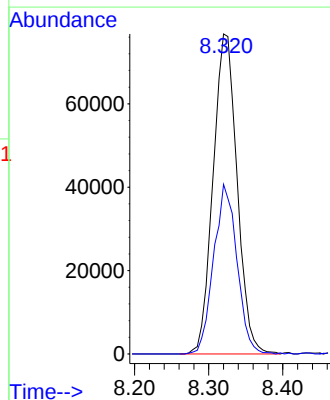
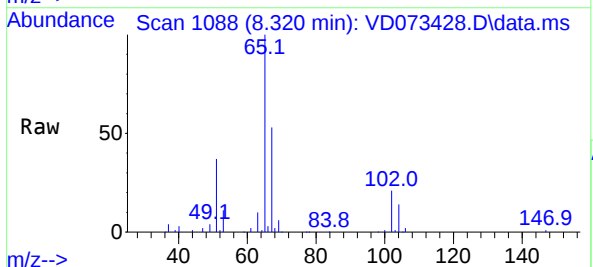
Acq: 31 May 2022 16:42

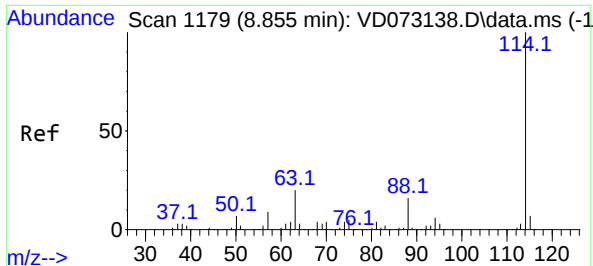
Tgt Ion: 65 Resp: 172750

Ion Ratio Lower Upper

65 100

67 51.4 0.0 101.4

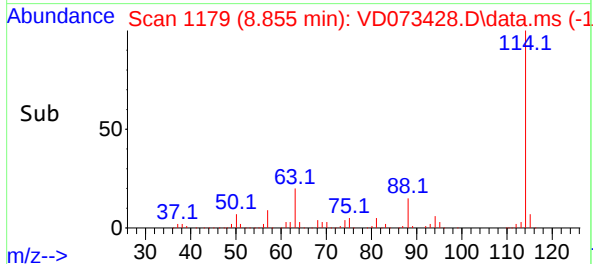
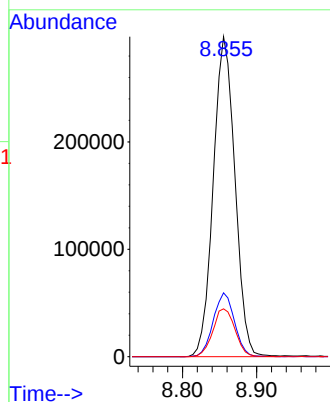
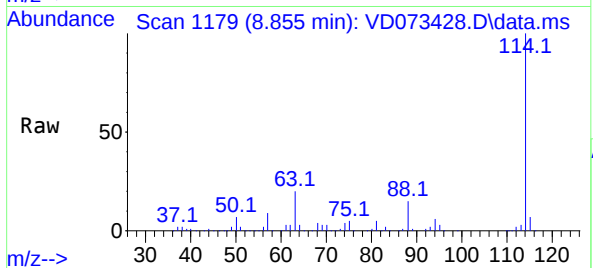




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.855 min Scan# 1179  
Delta R.T. 0.000 min  
Lab File: VD073428.D  
Acq: 31 May 2022 16:42

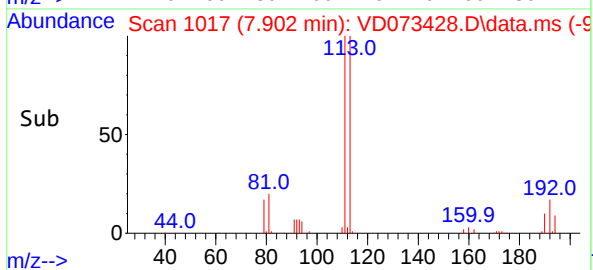
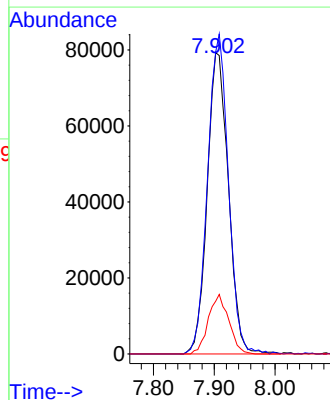
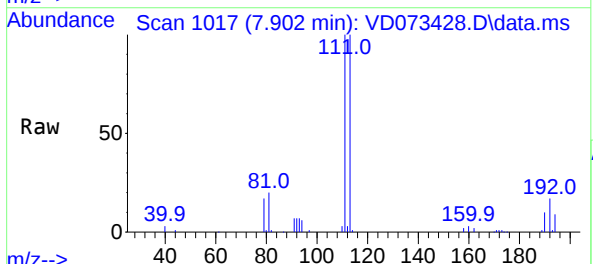
Instrument :  
MSVOA\_D  
ClientSampleId :  
CL-02-052622

Tgt Ion:114 Resp: 604371  
Ion Ratio Lower Upper  
114 100  
63 20.0 0.0 46.6  
88 14.9 0.0 33.2



#35  
Dibromofluoromethane  
Concen: 48.075 ug/l  
RT: 7.902 min Scan# 1017  
Delta R.T. -0.012 min  
Lab File: VD073428.D  
Acq: 31 May 2022 16:42

Tgt Ion:113 Resp: 191724  
Ion Ratio Lower Upper  
113 100  
111 104.4 83.8 125.6  
192 19.0 14.6 21.8

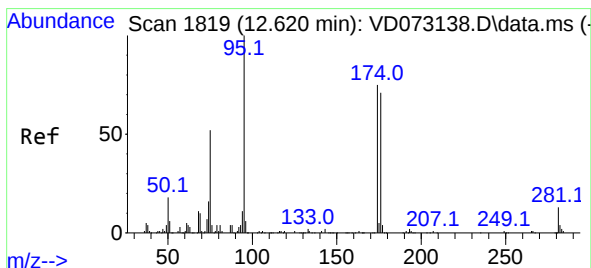
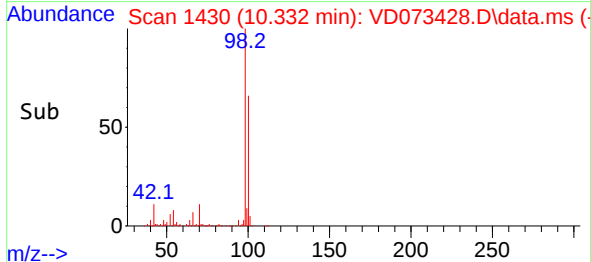
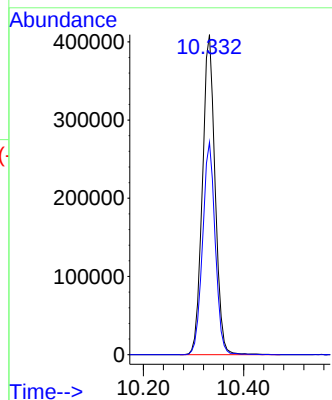
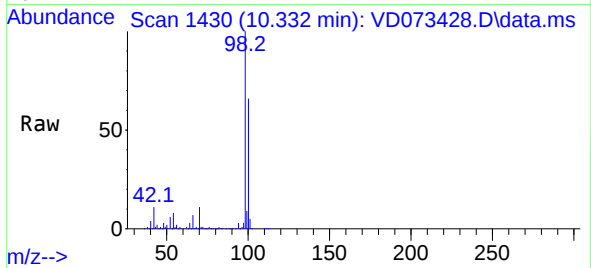




#50  
Toluene-d8  
Concen: 48.783 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD073428.D  
Acq: 31 May 2022 16:42

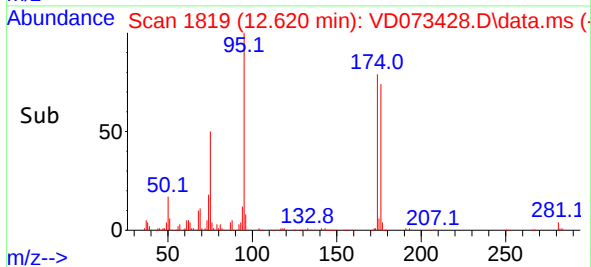
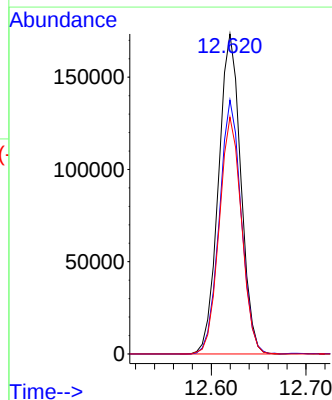
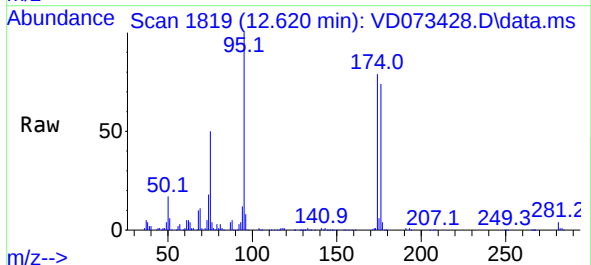
Instrument :  
MSVOA\_D  
ClientSampleId :  
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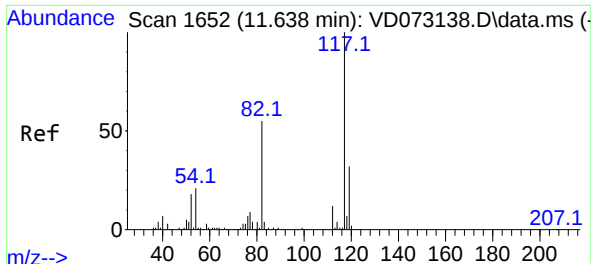
Tgt Ion: 98 Resp: 717155  
Ion Ratio Lower Upper  
98 100  
100 66.3 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 54.990 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.000 min  
Lab File: VD073428.D  
Acq: 31 May 2022 16:42

Tgt Ion: 95 Resp: 283703  
Ion Ratio Lower Upper  
95 100  
174 78.0 0.0 152.8  
176 73.7 0.0 145.4

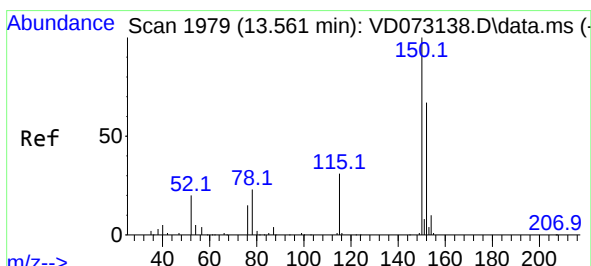
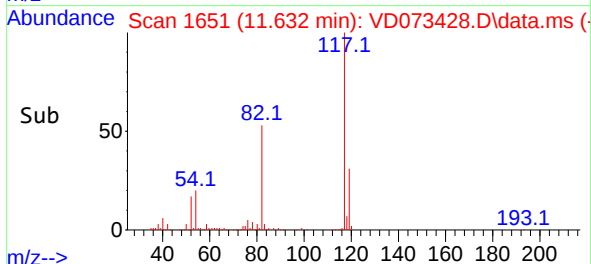
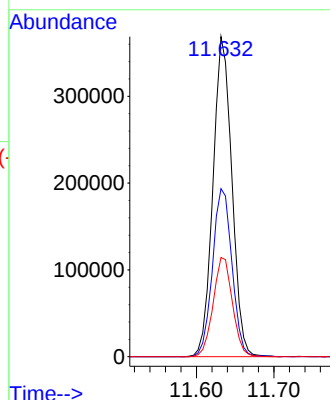
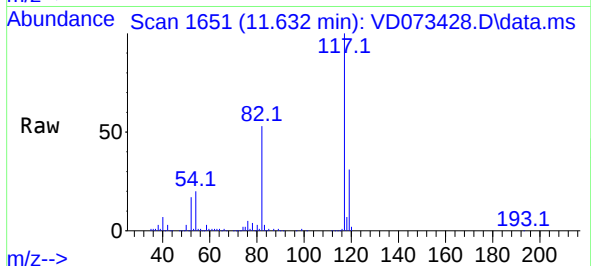




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.632 min Scan# 117  
Delta R.T. -0.006 min  
Lab File: VD073428.D  
Acq: 31 May 2022 16:42

Instrument :  
MSVOA\_D  
ClientSampleId :  
CL-02-052622

Tgt Ion:117 Resp: 625213  
Ion Ratio Lower Upper  
117 100  
82 52.5 45.3 67.9  
119 31.0 26.6 40.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. -0.000 min  
Lab File: VD073428.D  
Acq: 31 May 2022 16:42

Tgt Ion:152 Resp: 286945  
Ion Ratio Lower Upper  
152 100  
115 61.4 31.3 93.8  
150 162.0 0.0 348.6

