

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD052122\  
 Data File : VD073231.D  
 Acq On : 21 May 2022 15:55  
 Operator : VA/SY  
 Sample : N2870-02  
 Misc : 4.90G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 P033-SS001-0612-01

Quant Time: May 22 01:32:21 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

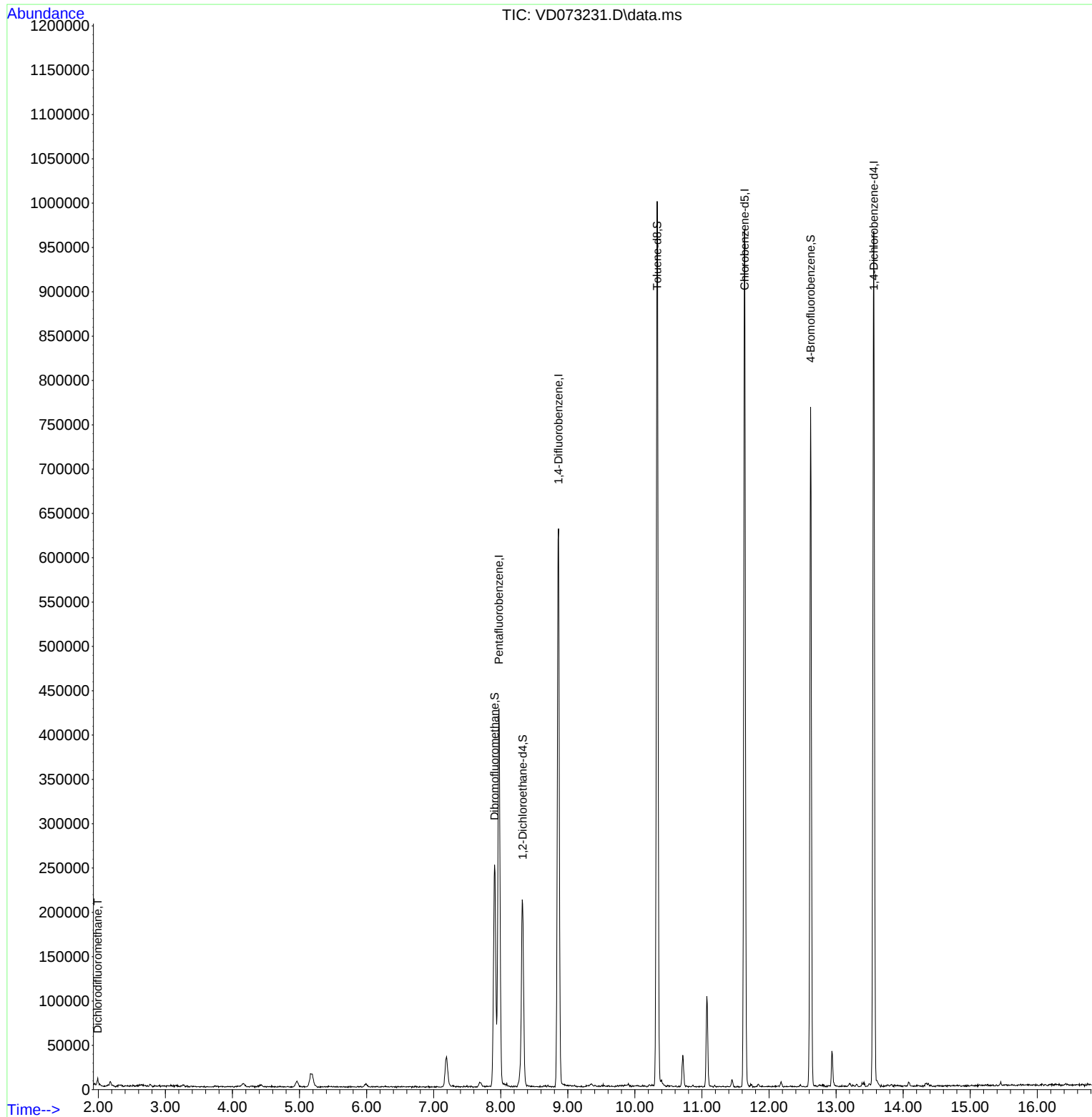
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)     |
|-----------------------------|--------|-------|----------|----------|-------|--------------|
| -----                       |        |       |          |          |       |              |
| Internal Standards          |        |       |          |          |       |              |
| 1) Pentafluorobenzene       | 7.973  | 168   | 308389   | 50.000   | ug/l  | 0.00         |
| 34) 1,4-Difluorobenzene     | 8.861  | 114   | 544674   | 50.000   | ug/l  | 0.00         |
| 63) Chlorobenzene-d5        | 11.638 | 117   | 561356   | 50.000   | ug/l  | 0.00         |
| 72) 1,4-Dichlorobenzene-d4  | 13.561 | 152   | 252038   | 50.000   | ug/l  | 0.00         |
| System Monitoring Compounds |        |       |          |          |       |              |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 168159   | 49.340   | ug/l  | 0.00         |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 98.680%      |
| 35) Dibromofluoromethane    | 7.909  | 113   | 180369   | 50.184   | ug/l  | 0.00         |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 100.360%     |
| 50) Toluene-d8              | 10.332 | 98    | 669035   | 50.498   | ug/l  | 0.00         |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 101.000%     |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 243188   | 52.303   | ug/l  | 0.00         |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 104.600%     |
| Target Compounds            |        |       |          |          |       |              |
| 2) Dichlorodifluoromethane  | 1.991  | 85    | 5698     | 1.849    | ug/l  | Qvalue<br>90 |
| -----                       |        |       |          |          |       |              |

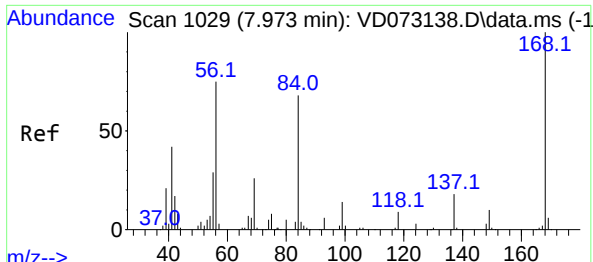
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD052122\  
Data File : VD073231.D  
Acq On : 21 May 2022 15:55  
Operator : VA/SY  
Sample : N2870-02  
Misc : 4.90G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
P033-SS001-0612-01

Quant Time: May 22 01:32:21 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

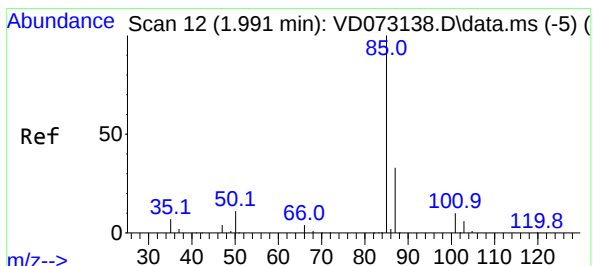
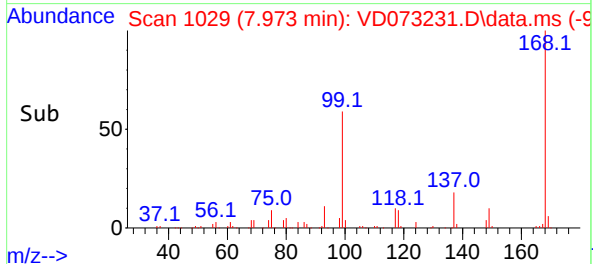
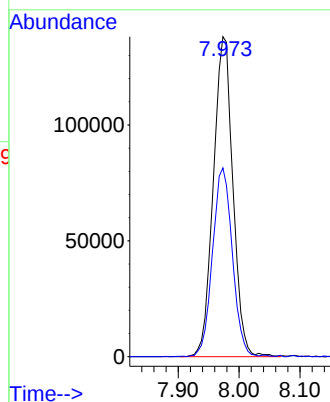
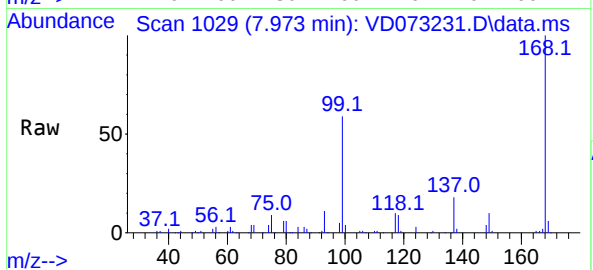




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. 0.000 min  
Lab File: VD073231.D  
Acq: 21 May 2022 15:55

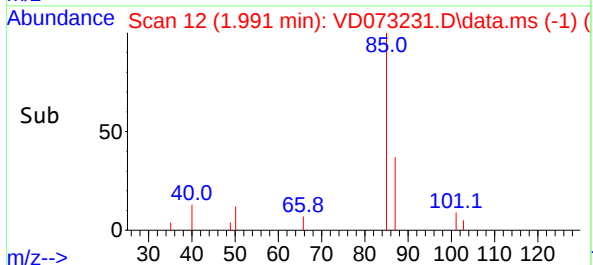
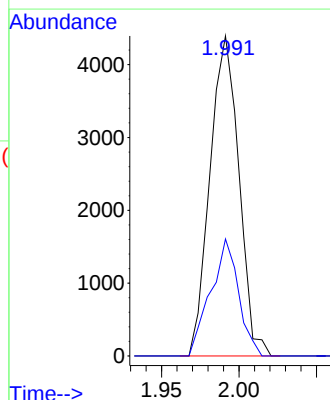
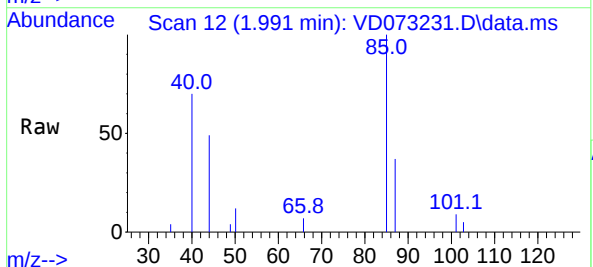
Instrument :  
MSVOA\_D  
ClientSampleId :  
P033-SS001-0612-01

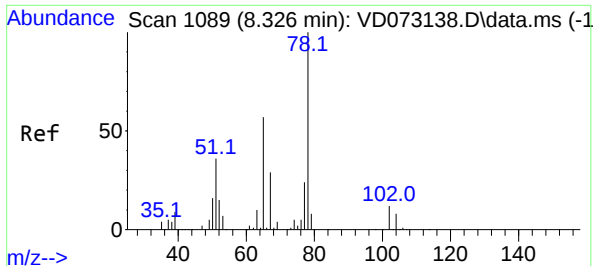
Tgt Ion:168 Resp: 308389  
Ion Ratio Lower Upper  
168 100  
99 58.9 49.8 74.6



#2  
Dichlorodifluoromethane  
Concen: 1.849 ug/l  
RT: 1.991 min Scan# 12  
Delta R.T. 0.000 min  
Lab File: VD073231.D  
Acq: 21 May 2022 15:55

Tgt Ion: 85 Resp: 5698  
Ion Ratio Lower Upper  
85 100  
87 36.5 15.7 47.0





#33

1,2-Dichloroethane-d4

Concen: 49.340 ug/l

RT: 8.326 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD073231.D

Acq: 21 May 2022 15:55

Instrument :

MSVOA\_D

ClientSampleId :

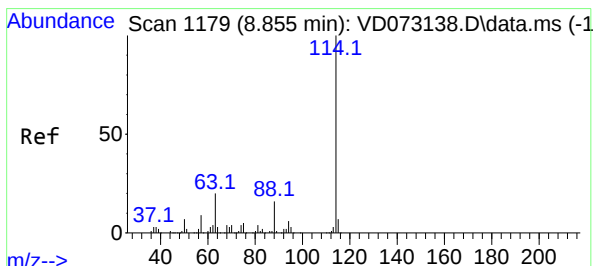
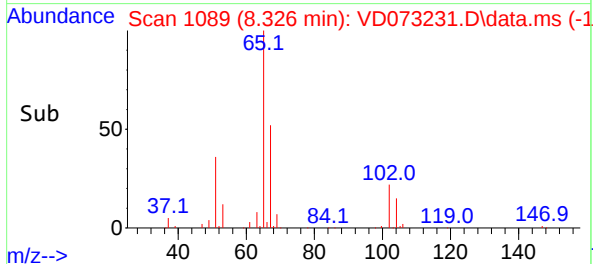
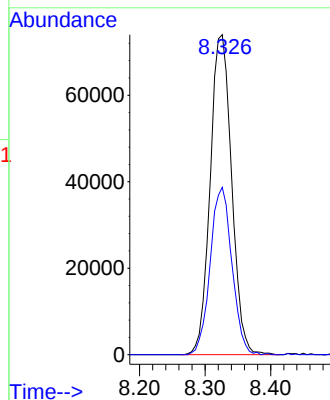
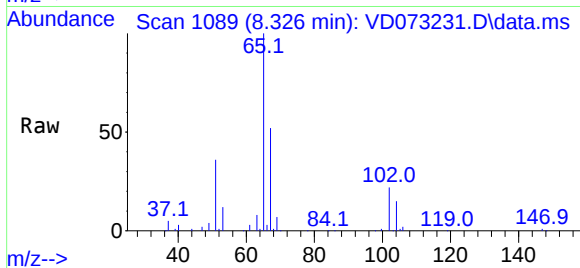
P033-SS001-0612-01

Tgt Ion: 65 Resp: 168159

Ion Ratio Lower Upper

65 100

67 52.9 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VD073231.D

Acq: 21 May 2022 15:55

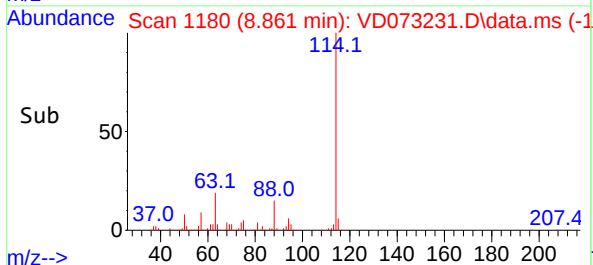
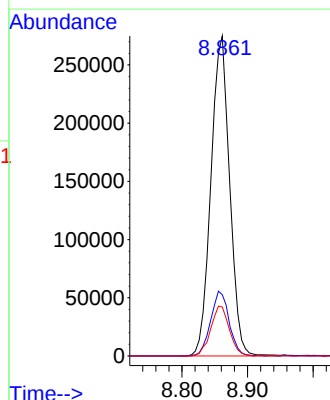
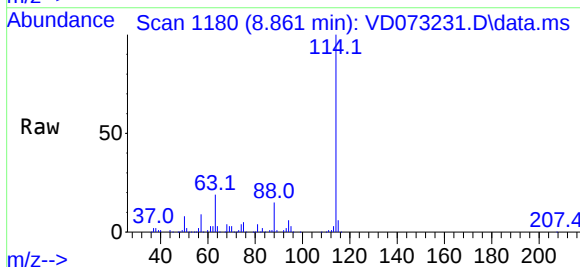
Tgt Ion: 114 Resp: 544674

Ion Ratio Lower Upper

114 100

63 19.1 0.0 46.6

88 15.3 0.0 33.2

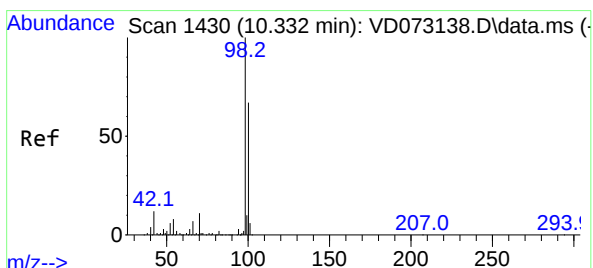
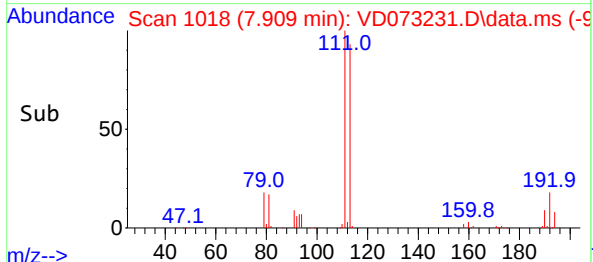
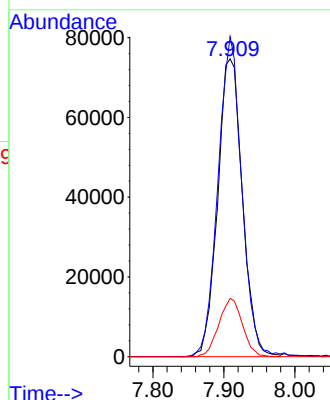
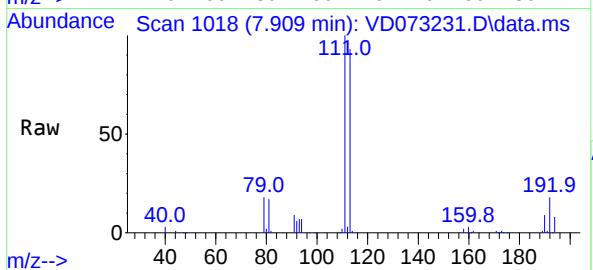




#35  
Dibromofluoromethane  
Concen: 50.184 ug/l  
RT: 7.909 min Scan# 1018  
Delta R.T. -0.005 min  
Lab File: VD073231.D  
Acq: 21 May 2022 15:55

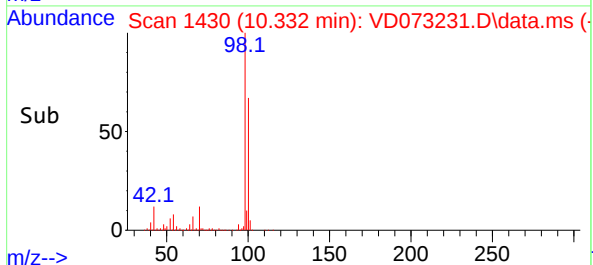
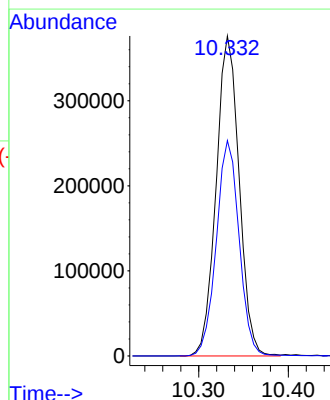
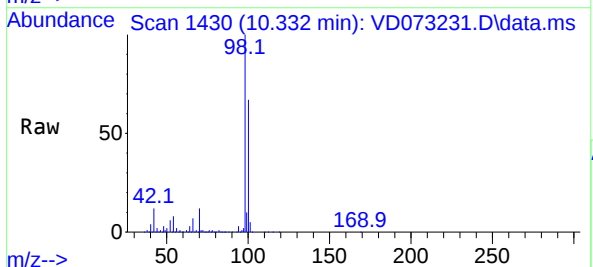
Instrument :  
MSVOA\_D  
ClientSampleId :  
P033-SS001-0612-01

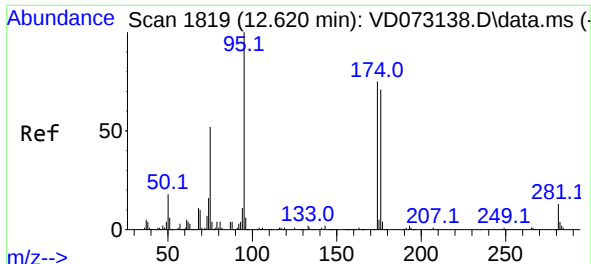
Tgt Ion:113 Resp: 180369  
Ion Ratio Lower Upper  
113 100  
111 103.9 83.8 125.6  
192 18.7 14.6 21.8



#50  
Toluene-d8  
Concen: 50.498 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD073231.D  
Acq: 21 May 2022 15:55

Tgt Ion: 98 Resp: 669035  
Ion Ratio Lower Upper  
98 100  
100 67.0 52.4 78.6

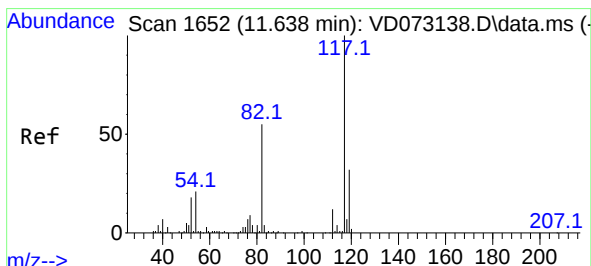
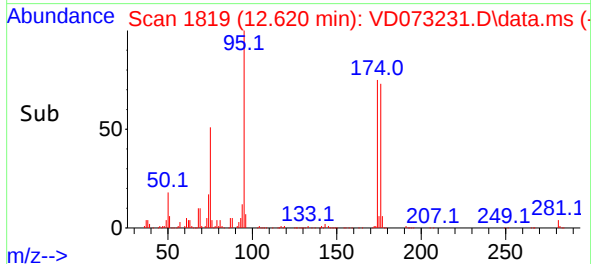
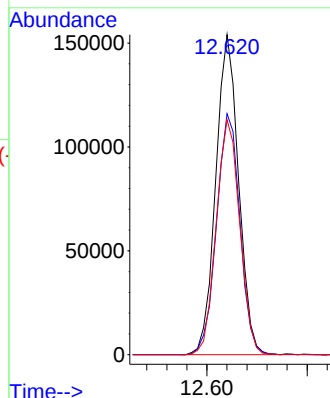
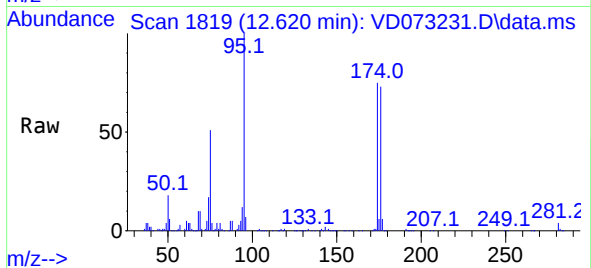




#62  
4-Bromofluorobenzene  
Concen: 52.303 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.000 min  
Lab File: VD073231.D  
Acq: 21 May 2022 15:55

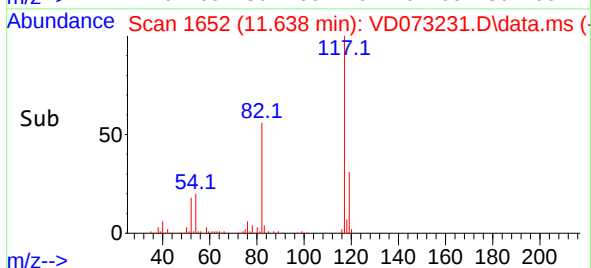
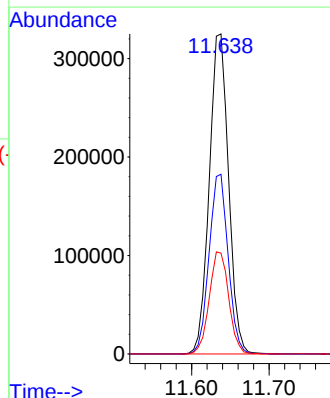
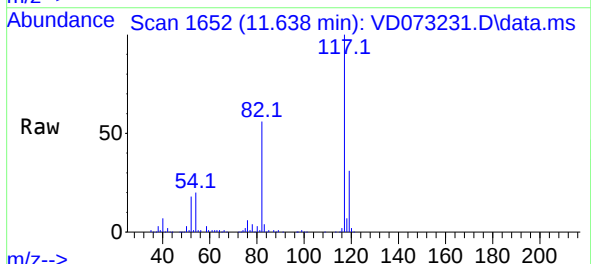
Instrument :  
MSVOA\_D  
ClientSampleId :  
P033-SS001-0612-01

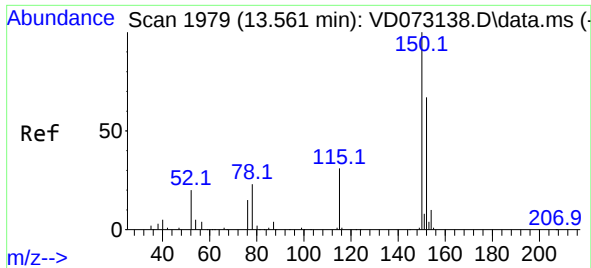
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 95    | Resp: | 243188 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 174      | 77.0  | 0.0   | 152.8  |
| 176      | 75.5  | 0.0   | 145.4  |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. -0.000 min  
Lab File: VD073231.D  
Acq: 21 May 2022 15:55

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 561356 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 56.2  | 45.3  | 67.9   |
| 119      | 31.5  | 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: VD073231.D

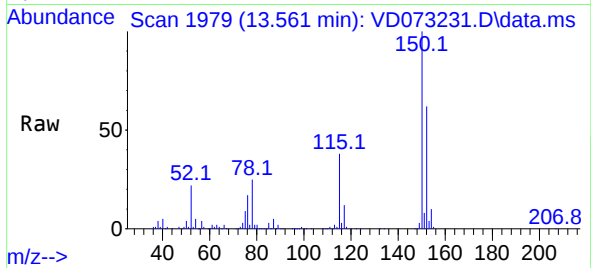
Acq: 21 May 2022 15:55

Instrument :

MSVOA\_D

ClientSampleId :

P033-SS001-0612-01



Tgt Ion:152 Resp: 252038

Ion Ratio Lower Upper

152 100

115 61.6 31.3 93.8

150 160.2 0.0 348.6

