

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD052122\  
 Data File : VD073236.D  
 Acq On : 21 May 2022 18:22  
 Operator : VA/SY  
 Sample : N2870-07  
 Misc : 6.09G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 P034-SS001-0612-01

Quant Time: May 22 01:33:17 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

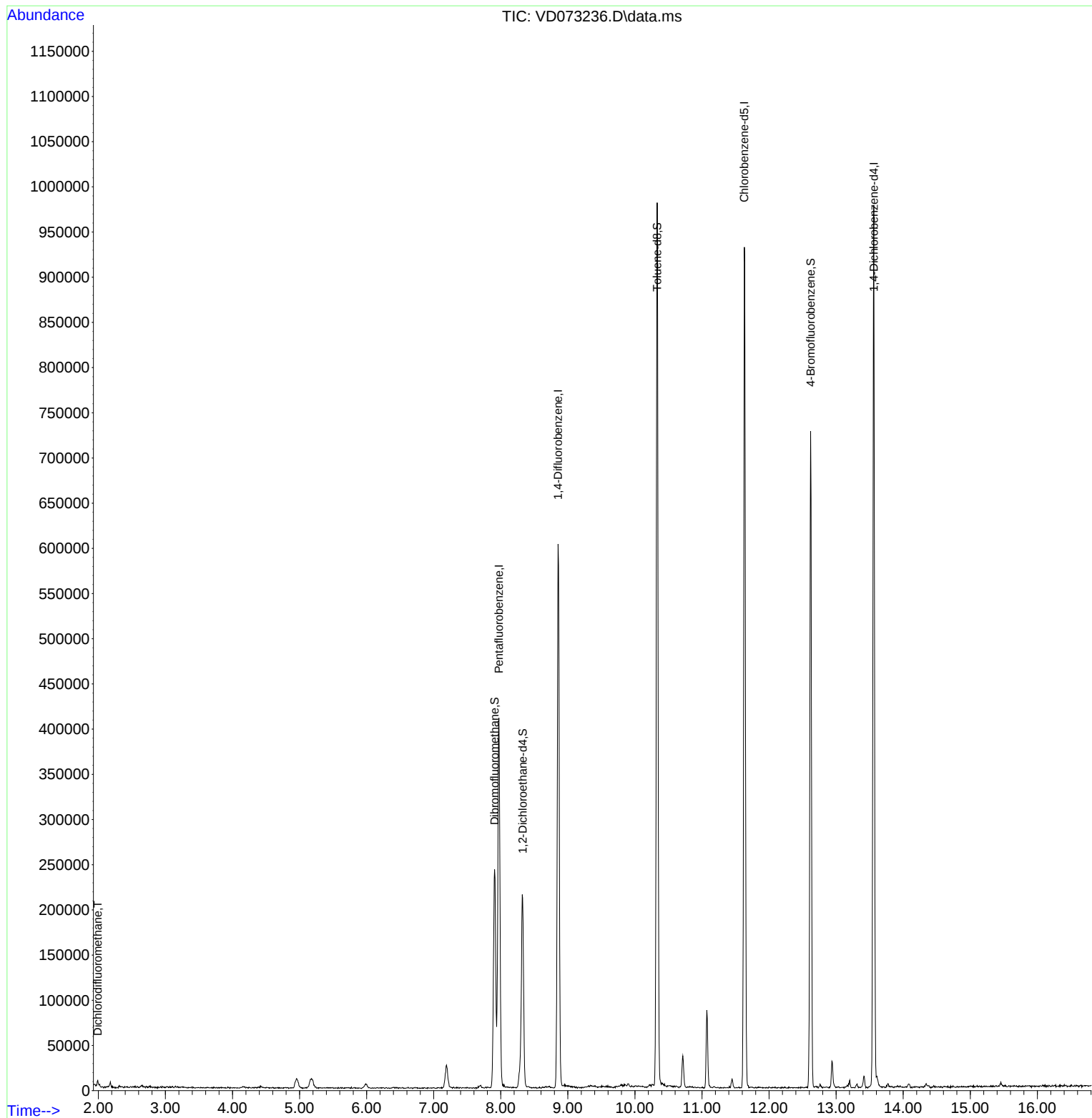
| Compound                    | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|------------|----------|
| -----                       |           |       |          |          |            |          |
| Internal Standards          |           |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.973     | 168   | 293941   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.855     | 114   | 520292   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.632    | 117   | 548857   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.561    | 152   | 250243   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.326     | 65    | 168737   | 51.944   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 50 - 163 | Recovery | = 103.880% |          |
| 35) Dibromofluoromethane    | 7.908     | 113   | 176807   | 51.499   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 54 - 147 | Recovery | = 103.000% |          |
| 50) Toluene-d8              | 10.332    | 98    | 650706   | 51.416   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 49 - 140 | Recovery | = 102.840% |          |
| 62) 4-Bromofluorobenzene    | 12.620    | 95    | 237559   | 53.487   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 25 - 144 | Recovery | = 106.980% |          |
| Target Compounds            |           |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane  | 1.991     | 85    | 4913     | 1.673    | ug/l       | 91       |
| -----                       |           |       |          |          |            |          |

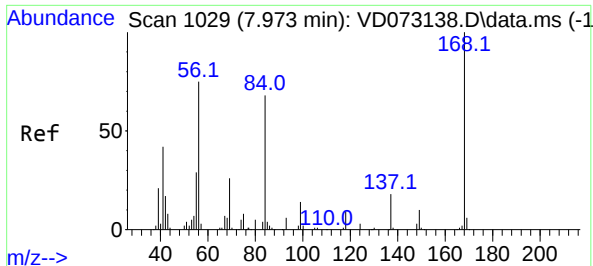
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD052122\  
Data File : VD073236.D  
Acq On : 21 May 2022 18:22  
Operator : VA/SY  
Sample : N2870-07  
Misc : 6.09G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
P034-SS001-0612-01

Quant Time: May 22 01:33:17 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

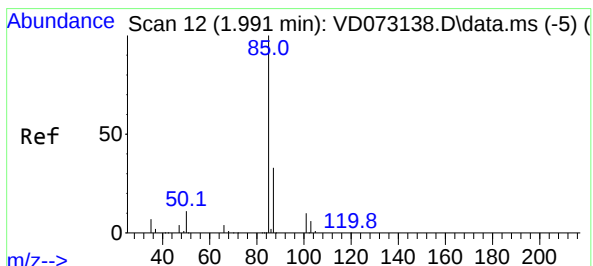
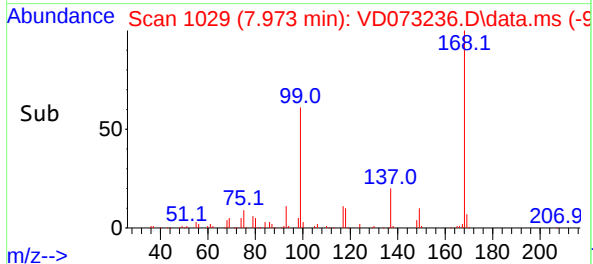
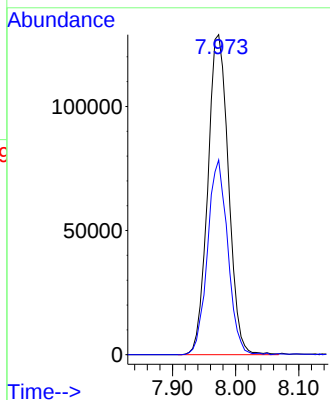
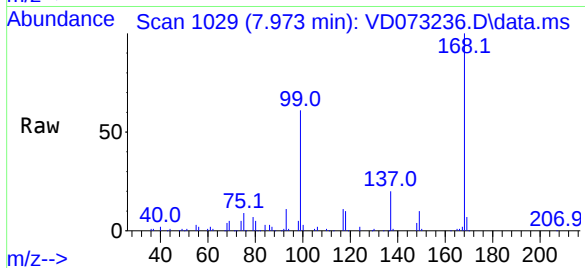




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. 0.000 min  
Lab File: VD073236.D  
Acq: 21 May 2022 18:22

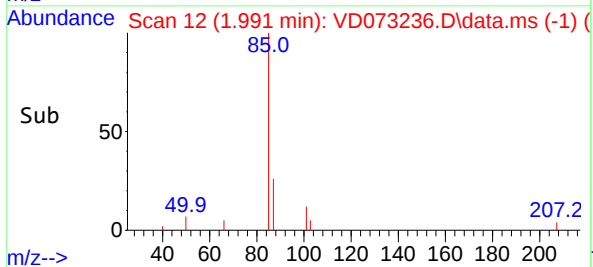
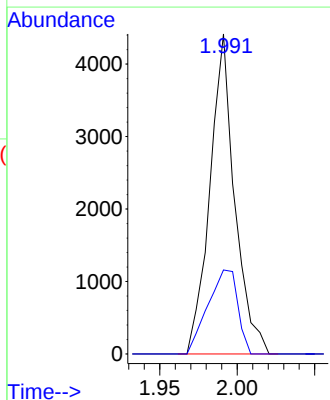
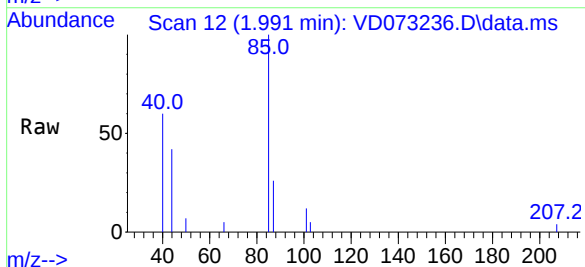
Instrument :  
MSVOA\_D  
ClientSampleId :  
P034-SS001-0612-01

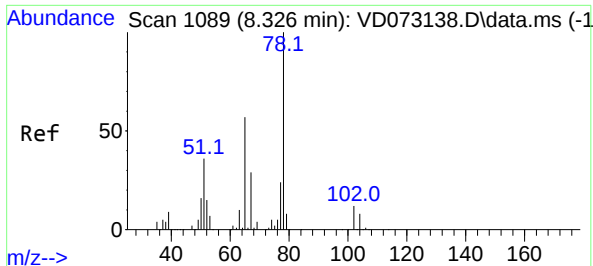
Tgt Ion:168 Resp: 293941  
Ion Ratio Lower Upper  
168 100  
99 60.9 49.8 74.6



#2  
Dichlorodifluoromethane  
Concen: 1.673 ug/l  
RT: 1.991 min Scan# 12  
Delta R.T. 0.000 min  
Lab File: VD073236.D  
Acq: 21 May 2022 18:22

Tgt Ion: 85 Resp: 4913  
Ion Ratio Lower Upper  
85 100  
87 26.3 15.7 47.0





#33

1,2-Dichloroethane-d4

Concen: 51.944 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD073236.D

Acq: 21 May 2022 18:22

Instrument :

MSVOA\_D

ClientSampleId :

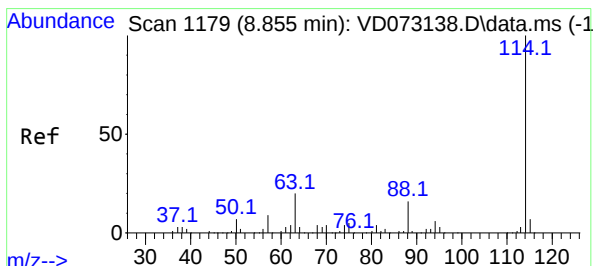
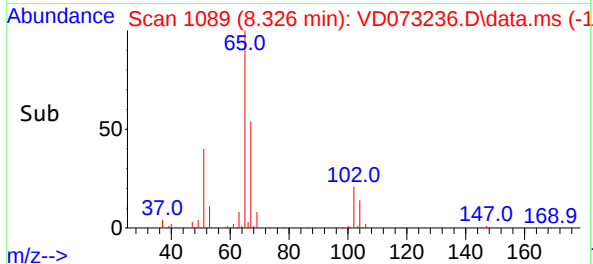
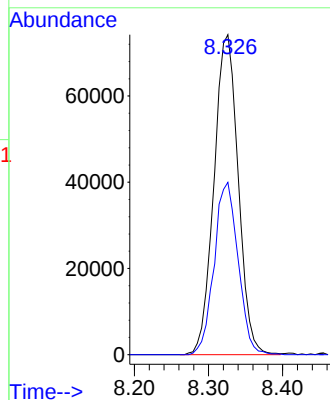
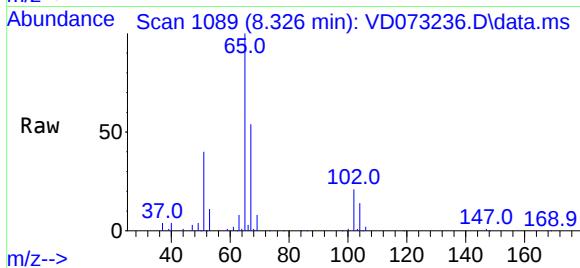
P034-SS001-0612-01

Tgt Ion: 65 Resp: 168737

Ion Ratio Lower Upper

65 100

67 53.2 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: VD073236.D

Acq: 21 May 2022 18:22

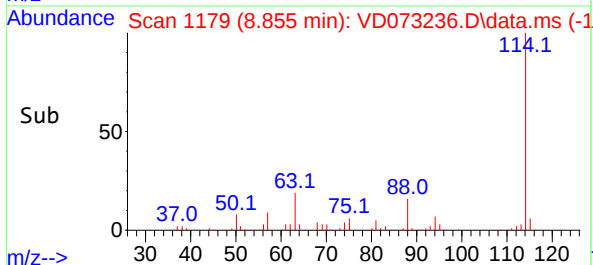
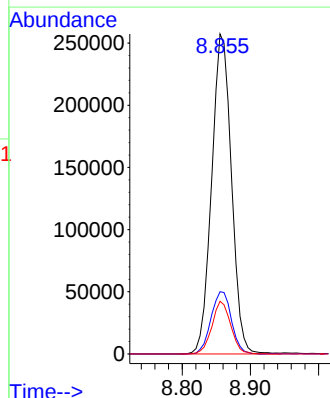
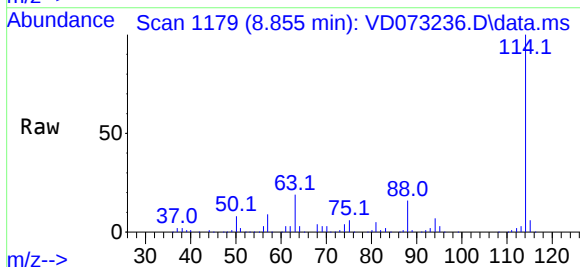
Tgt Ion:114 Resp: 520292

Ion Ratio Lower Upper

114 100

63 19.5 0.0 46.6

88 16.4 0.0 33.2

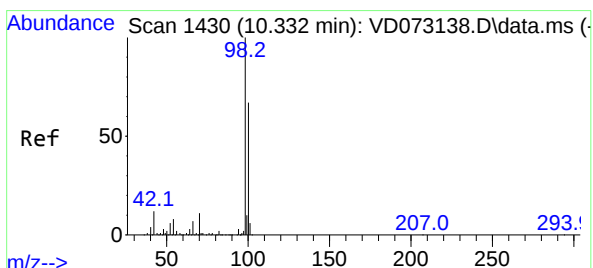
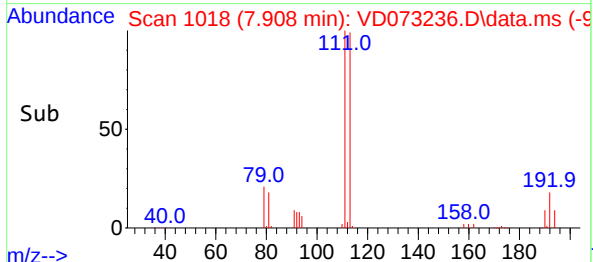
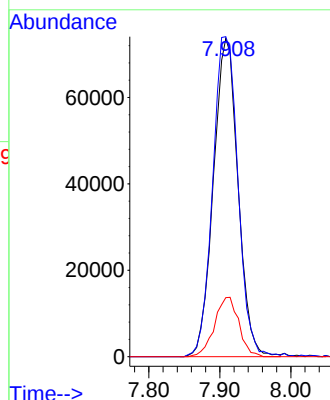
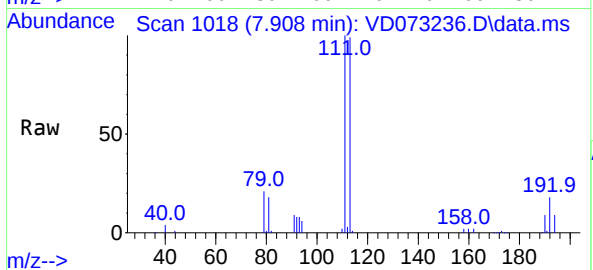




#35  
Dibromofluoromethane  
Concen: 51.499 ug/l  
RT: 7.908 min Scan# 1019  
Delta R.T. -0.006 min  
Lab File: VD073236.D  
Acq: 21 May 2022 18:22

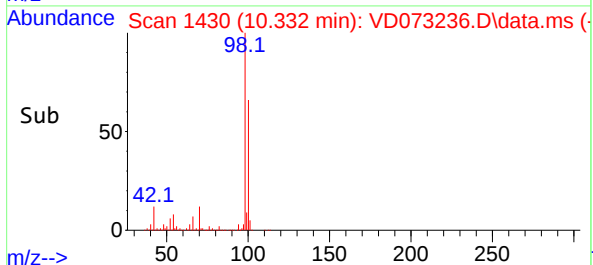
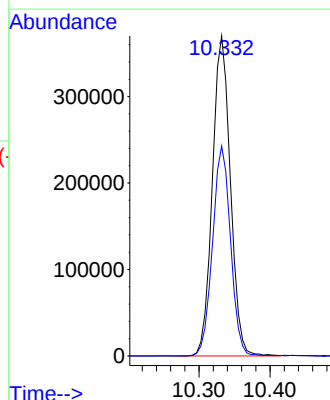
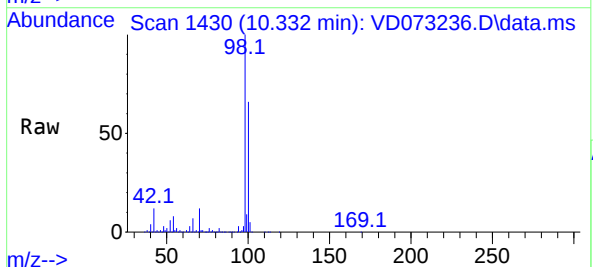
Instrument :  
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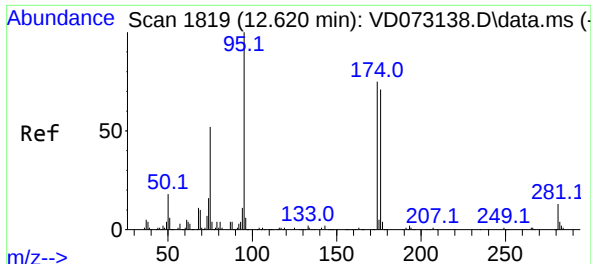
Tgt Ion:113 Resp: 176807  
Ion Ratio Lower Upper  
113 100  
111 103.5 83.8 125.6  
192 18.4 14.6 21.8



#50  
Toluene-d8  
Concen: 51.416 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD073236.D  
Acq: 21 May 2022 18:22

Tgt Ion: 98 Resp: 650706  
Ion Ratio Lower Upper  
98 100  
100 65.5 52.4 78.6

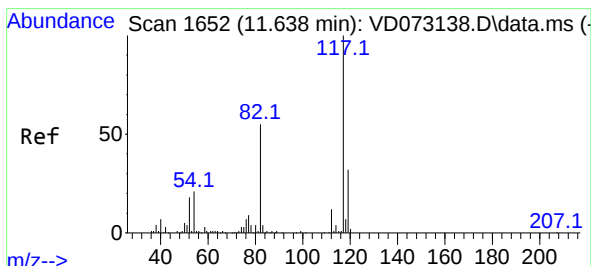
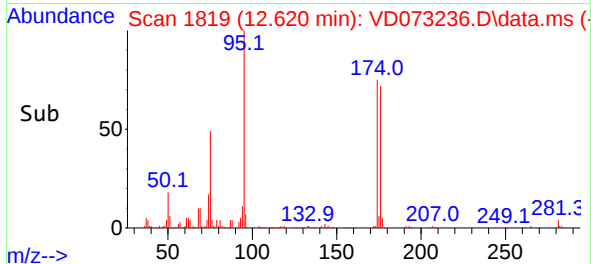
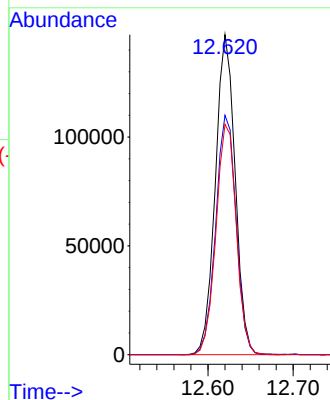
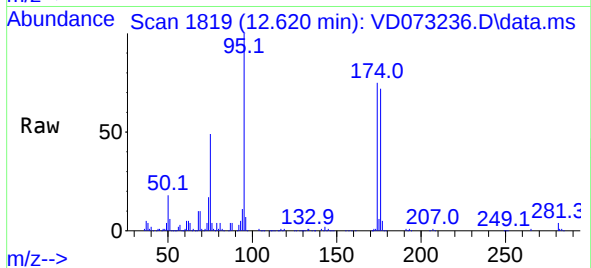




#62  
4-Bromofluorobenzene  
Concen: 53.487 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.000 min  
Lab File: VD073236.D  
Acq: 21 May 2022 18:22

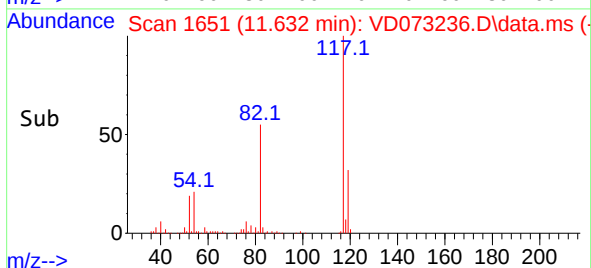
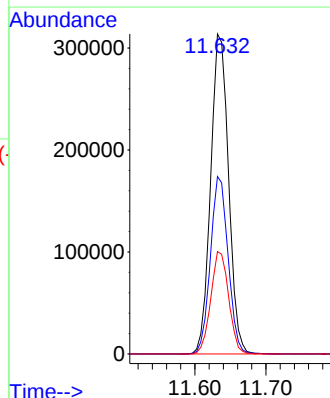
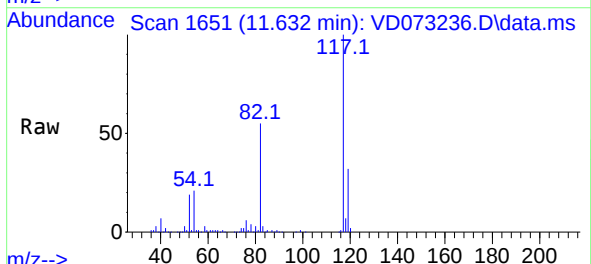
Instrument :  
MSVOA\_D  
ClientSampleId :  
P034-SS001-0612-01

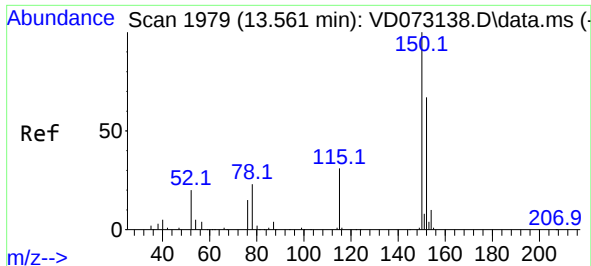
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 95    | Resp: | 237559 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 174      | 77.3  | 0.0   | 152.8  |
| 176      | 73.8  | 0.0   | 145.4  |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.632 min Scan# 1651  
Delta R.T. -0.006 min  
Lab File: VD073236.D  
Acq: 21 May 2022 18:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 548857 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 55.4  | 45.3  | 67.9   |
| 119      | 32.0  | 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: VD073236.D

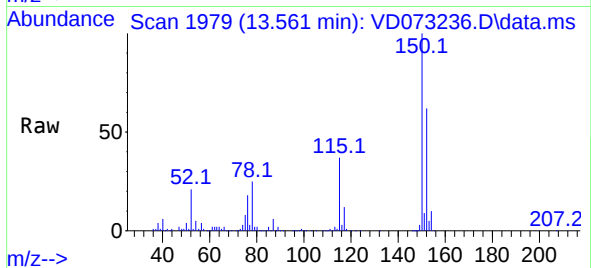
Acq: 21 May 2022 18:22

Instrument :

MSVOA\_D

ClientSampleId :

P034-SS001-0612-01



Tgt Ion:152 Resp: 250243

Ion Ratio Lower Upper

152 100

115 59.5 31.3 93.8

150 159.8 0.0 348.6

