

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD031422\  
 Data File : VD072161.D  
 Acq On : 14 Mar 2022 11:43  
 Operator : VA/SY  
 Sample : VD0314SBL01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0314SBL01

Quant Time: Mar 15 01:22:17 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031122S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 14 05:18:06 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.973  | 168  | 396424   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.861  | 114  | 716521   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.638 | 117  | 727152   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.567 | 152  | 349210   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 227676   | 51.535   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 103.060% |
| 35) Dibromofluoromethane    | 7.914  | 113   | 232075   | 46.026   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 92.060%  |
| 50) Toluene-d8              | 10.332 | 98    | 888627   | 48.198   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 96.400%  |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 340737   | 47.564   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 95.120%  |

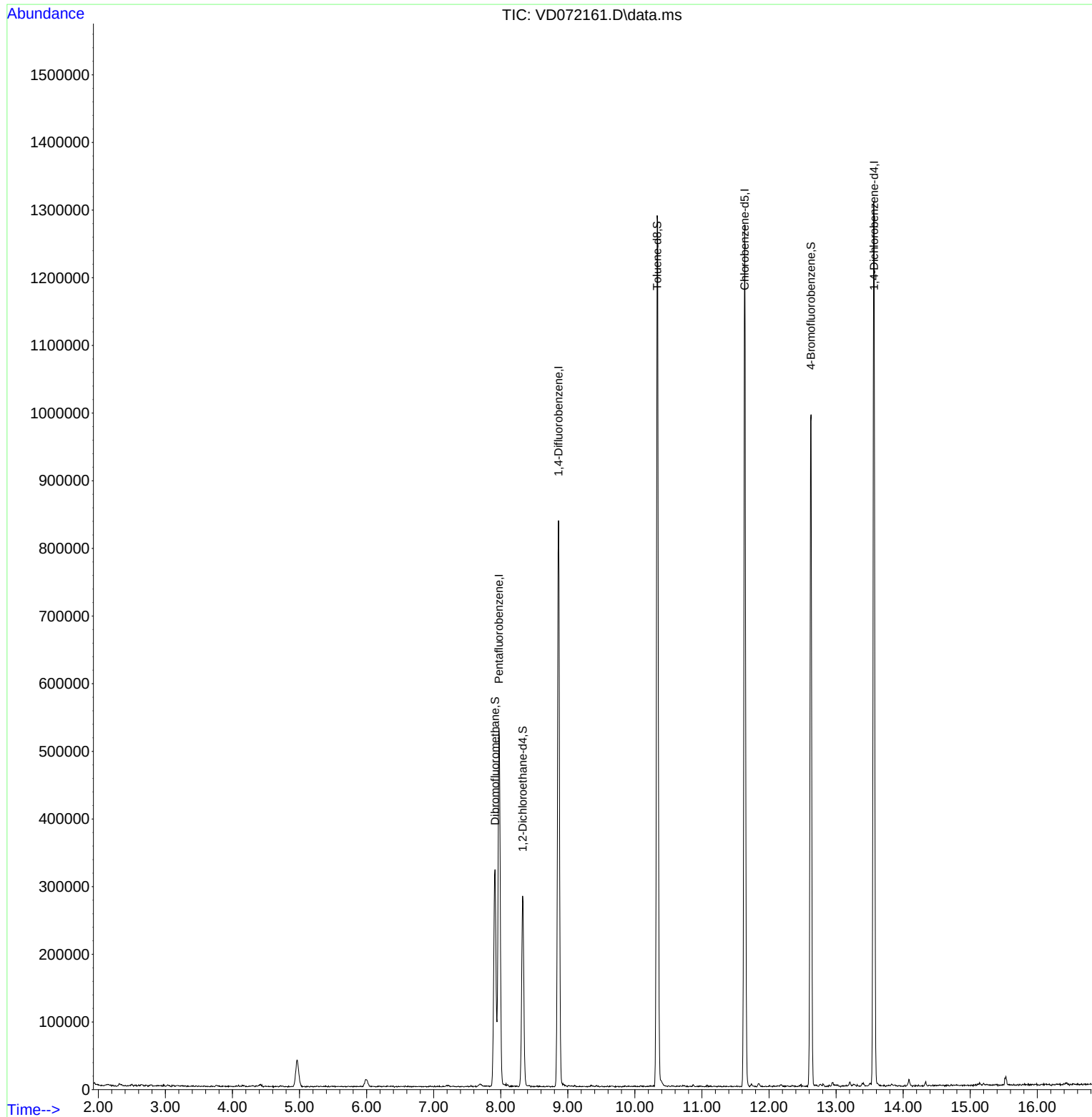
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

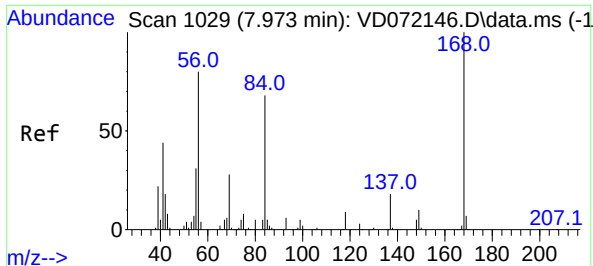
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0314SBL01

Quant Time: Mar 15 01:22:17 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031122S.M  
Quant Title : SW846 8260  
QLast Update : Mon Mar 14 05:18:06 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: VD072161.D

Acq: 14 Mar 2022 11:43

Instrument :

MSVOA\_D

ClientSampleId :

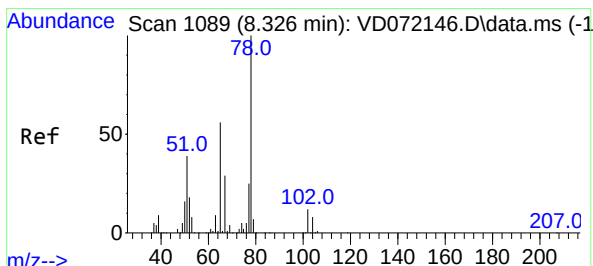
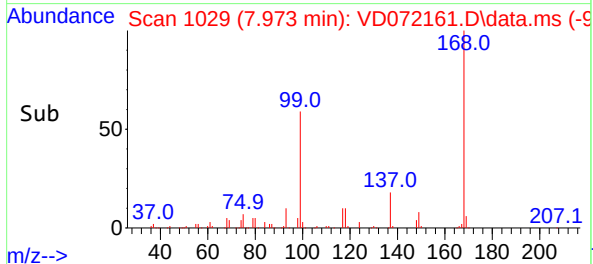
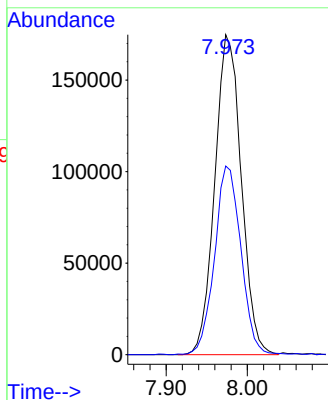
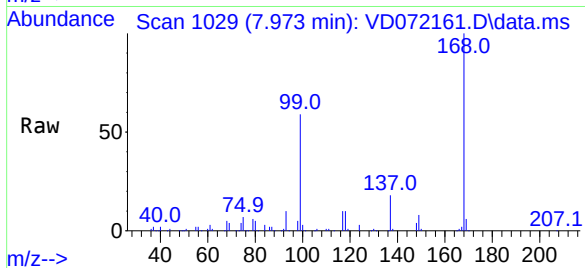
VD0314SBL01

Tgt Ion:168 Resp: 396424

Ion Ratio Lower Upper

168 100

99 58.8 49.8 74.6



1,2-Dichloroethane-d4

Concen: 51.535 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072161.D

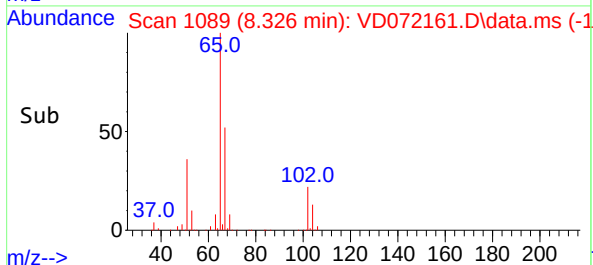
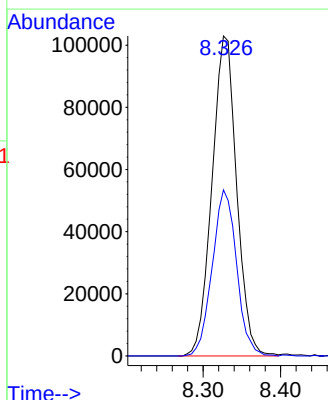
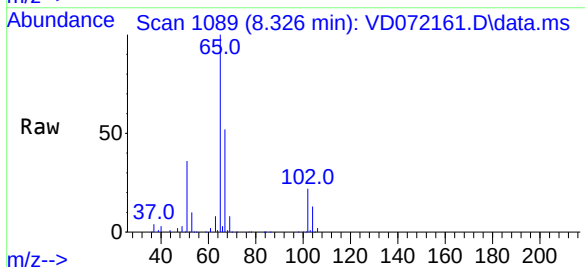
Acq: 14 Mar 2022 11:43

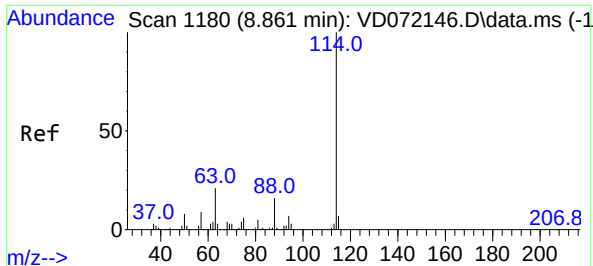
Tgt Ion: 65 Resp: 227676

Ion Ratio Lower Upper

65 100

67 51.2 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072161.D

Acq: 14 Mar 2022 11:43

Instrument :

MSVOA\_D

ClientSampleId :

VD0314SBL01

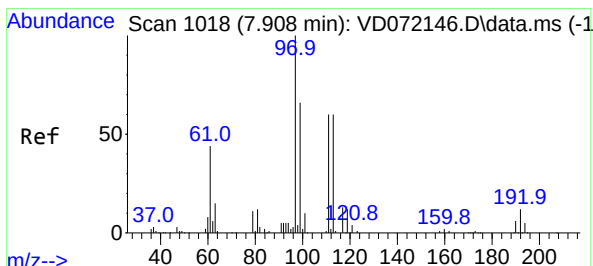
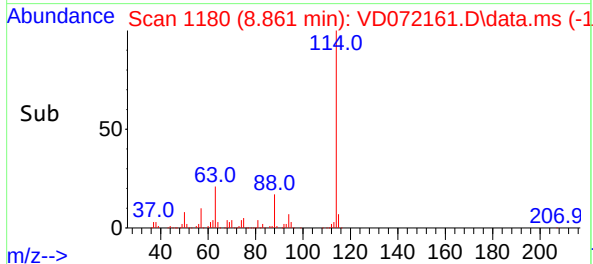
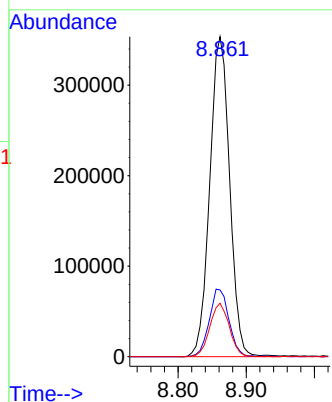
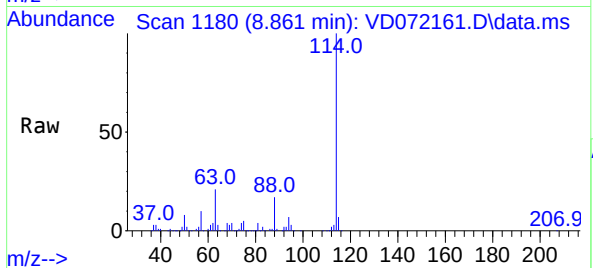
Tgt Ion:114 Resp: 716521

Ion Ratio Lower Upper

114 100

63 20.8 0.0 46.6

88 16.7 0.0 33.2



#35

Dibromofluoromethane

Concen: 46.026 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD072161.D

Acq: 14 Mar 2022 11:43

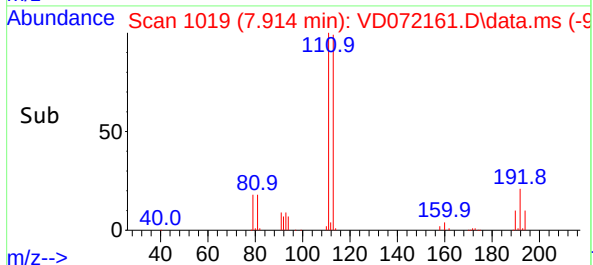
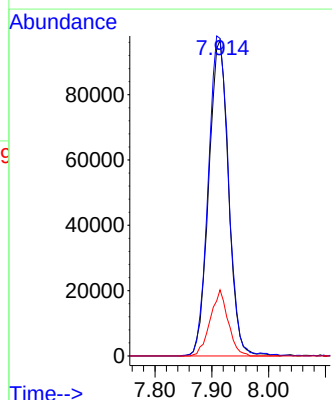
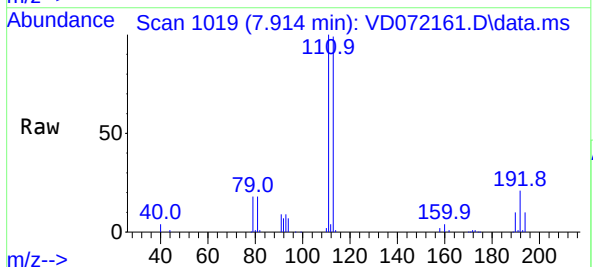
Tgt Ion:113 Resp: 232075

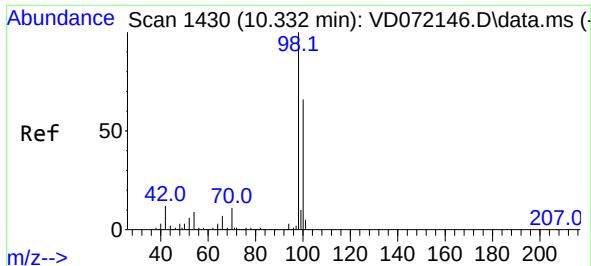
Ion Ratio Lower Upper

113 100

111 103.6 83.8 125.6

192 19.0 14.6 21.8

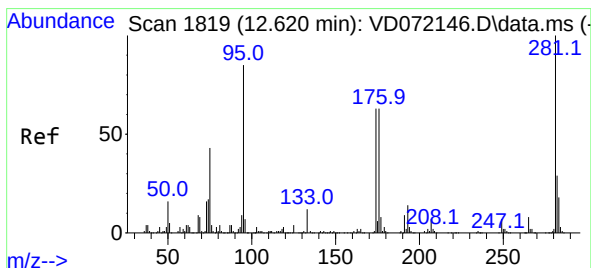
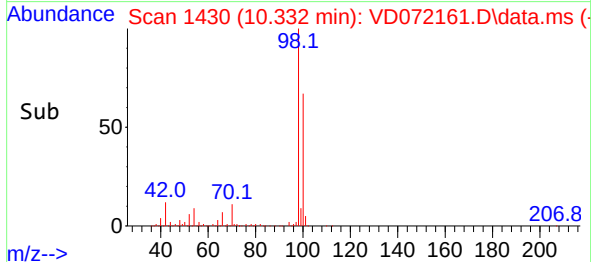
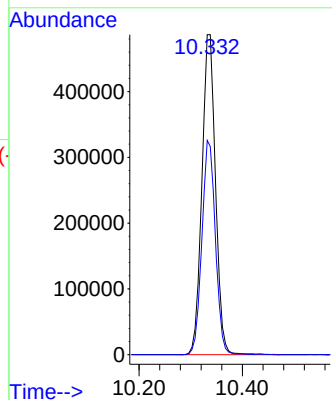
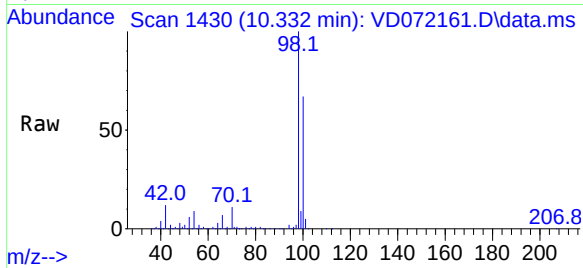




#50  
Toluene-d8  
Concen: 48.198 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. 0.000 min  
Lab File: VD072161.D  
Acq: 14 Mar 2022 11:43

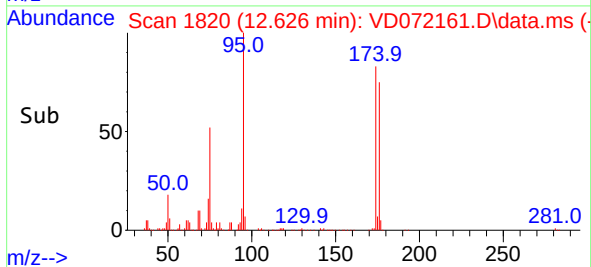
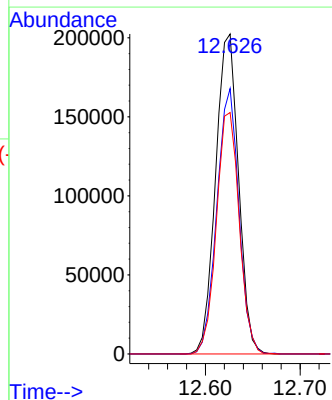
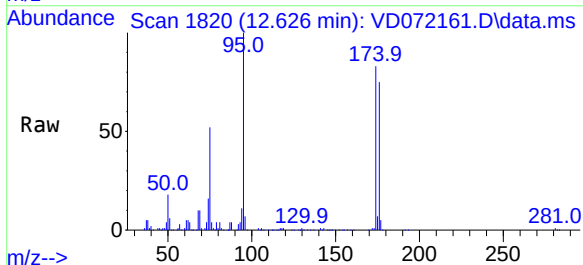
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0314SBL01

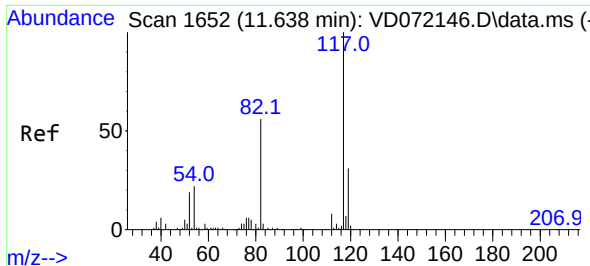
Tgt Ion: 98 Resp: 888627  
Ion Ratio Lower Upper  
98 100  
100 66.4 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 47.564 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.006 min  
Lab File: VD072161.D  
Acq: 14 Mar 2022 11:43

Tgt Ion: 95 Resp: 340737  
Ion Ratio Lower Upper  
95 100  
174 79.8 0.0 152.8  
176 75.1 0.0 145.4

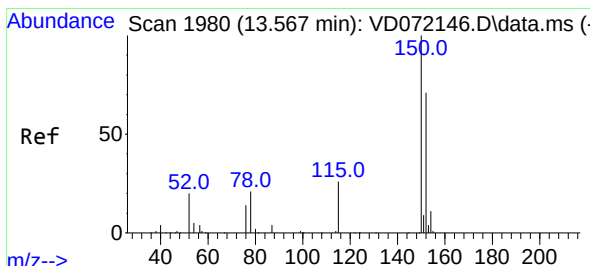
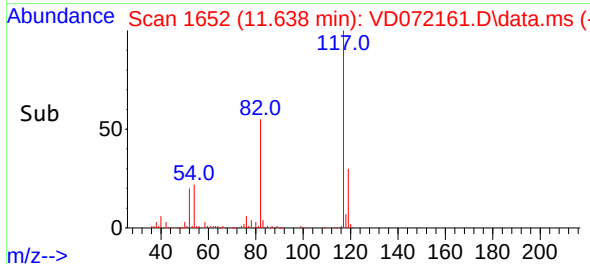
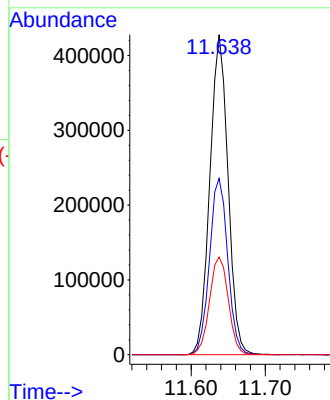
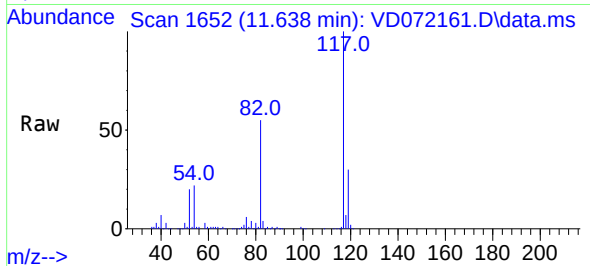




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1170  
Delta R.T. 0.000 min  
Lab File: VD072161.D  
Acq: 14 Mar 2022 11:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0314SBL01

Tgt Ion:117 Resp: 727152  
Ion Ratio Lower Upper  
117 100  
82 55.1 45.3 67.9  
119 30.5 26.6 40.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. 0.000 min  
Lab File: VD072161.D  
Acq: 14 Mar 2022 11:43

Tgt Ion:152 Resp: 349210  
Ion Ratio Lower Upper  
152 100  
115 60.4 31.3 93.8  
150 158.1 0.0 348.6

