

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD031622\  
 Data File : VD072217.D  
 Acq On : 16 Mar 2022 14:40  
 Operator : VA/SY  
 Sample : N1908-01  
 Misc : 4.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 WC-8-9-3

Quant Time: Mar 16 15:36:56 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      | 7.979  | 168  | 480262   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.861  | 114  | 773537   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.638 | 117  | 793370   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.567 | 152  | 330127   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 226622   | 42.341   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 84.680% |
| 35) Dibromofluoromethane    | 7.914  | 113   | 239630   | 44.022   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 88.040% |
| 50) Toluene-d8              | 10.332 | 98    | 946123   | 47.534   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 95.060% |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 369031   | 47.717   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 95.440% |

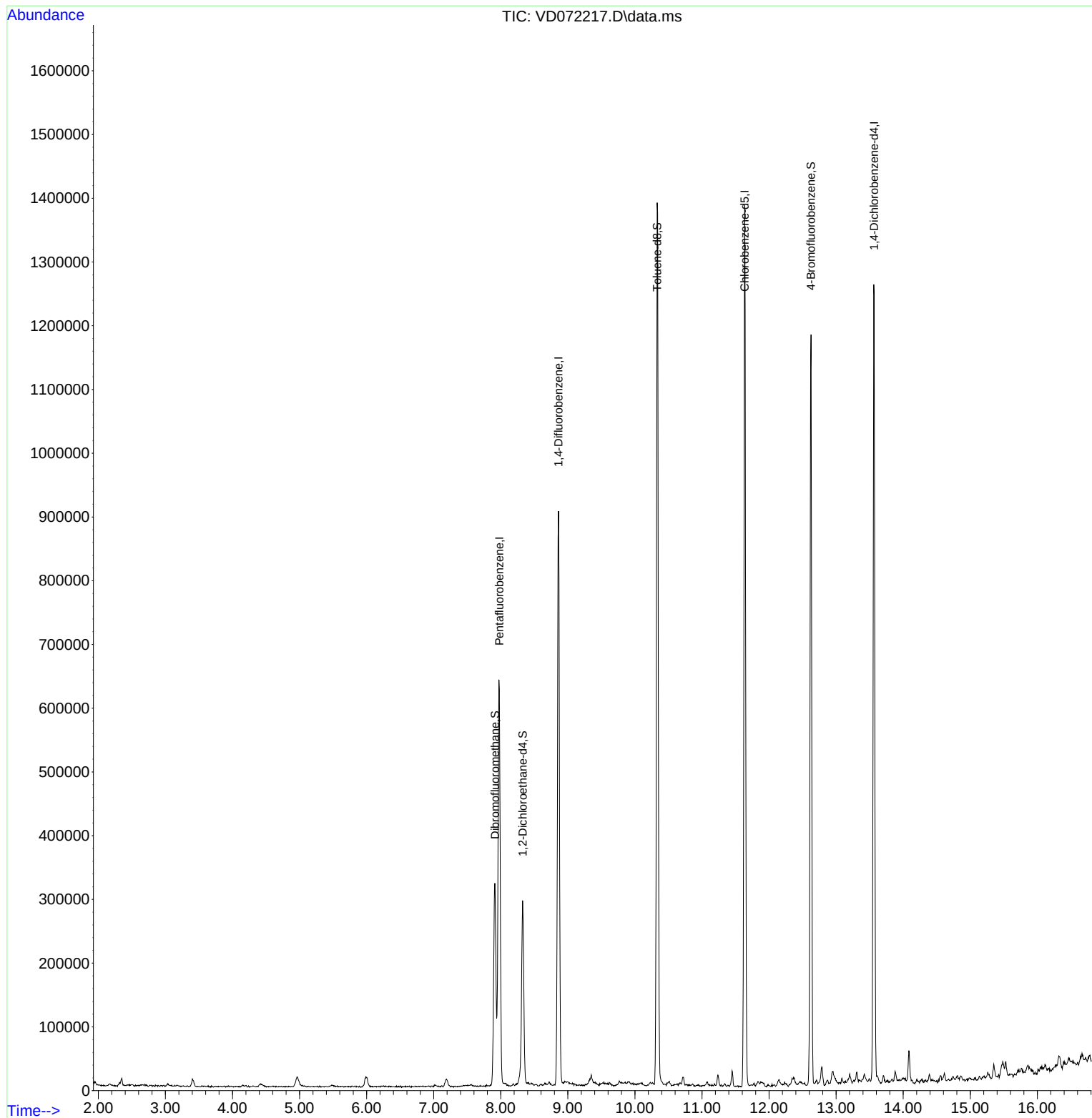
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

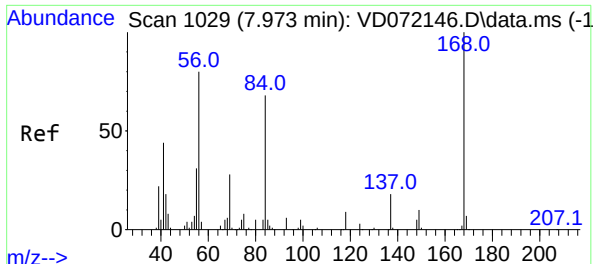
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Mon Mar 14 05:18:06 2022  
Response via : Initial Calibration

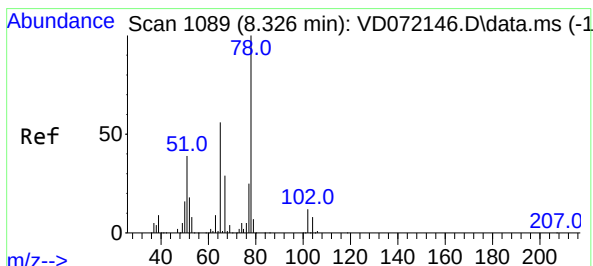
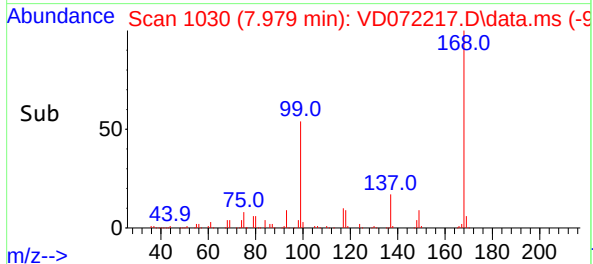
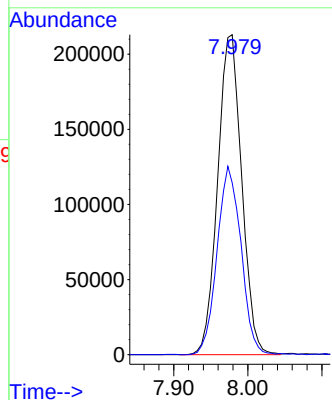
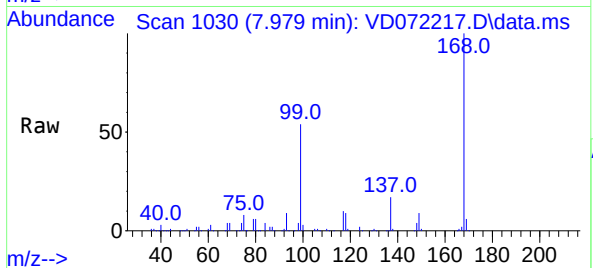




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1029  
Delta R.T. 0.006 min  
Lab File: VD072217.D  
Acq: 16 Mar 2022 14:40

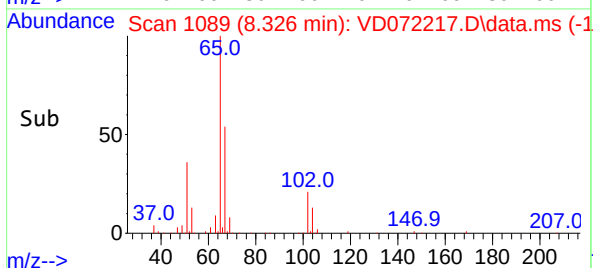
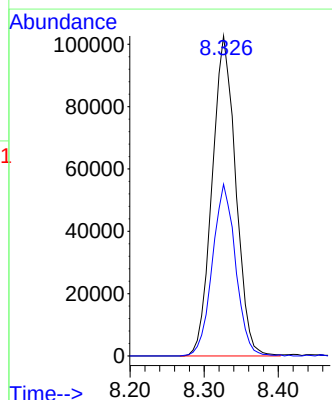
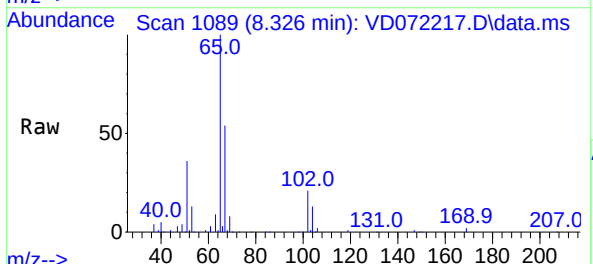
Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-8-9-3

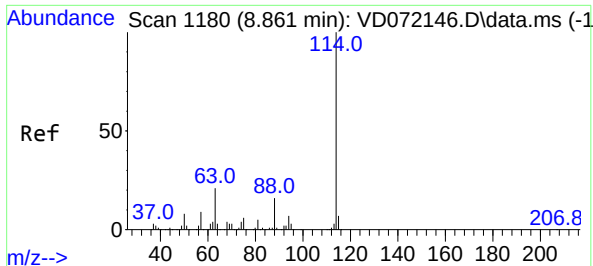
Tgt Ion:168 Resp: 480262  
Ion Ratio Lower Upper  
168 100  
99 53.7 49.8 74.6



#33  
1,2-Dichloroethane-d4  
Concen: 42.341 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. -0.000 min  
Lab File: VD072217.D  
Acq: 16 Mar 2022 14:40

Tgt Ion: 65 Resp: 226622  
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. -0.000 min

Lab File: VD072217.D

Acq: 16 Mar 2022 14:40

Instrument :

MSVOA\_D

ClientSampleId :

WC-8-9-3

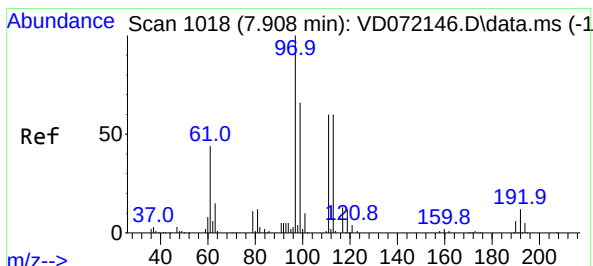
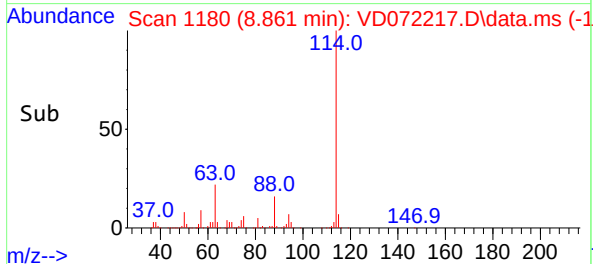
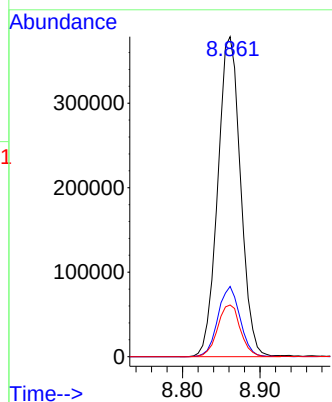
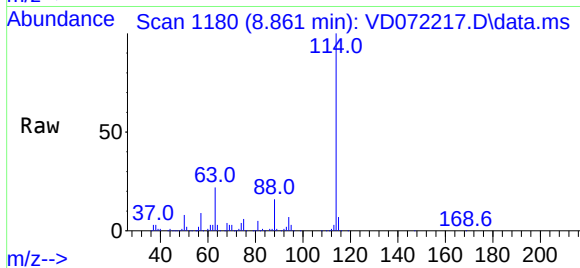
Tgt Ion:114 Resp: 773537

Ion Ratio Lower Upper

114 100

63 22.0 0.0 46.6

88 16.2 0.0 33.2



#35

Dibromofluoromethane

Concen: 44.022 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD072217.D

Acq: 16 Mar 2022 14:40

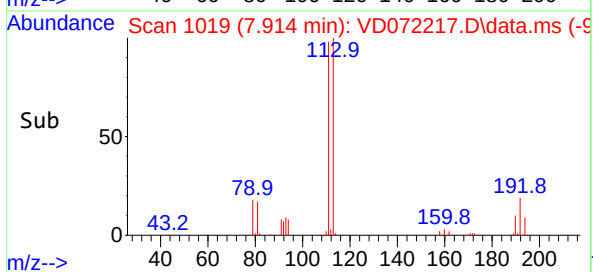
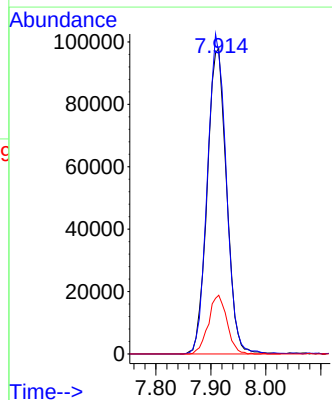
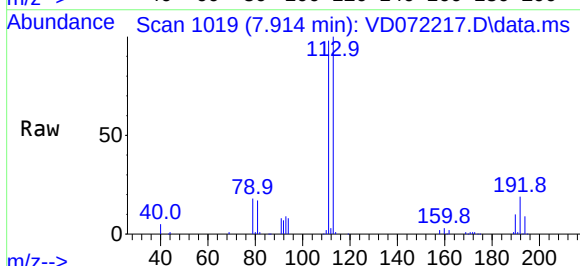
Tgt Ion:113 Resp: 239630

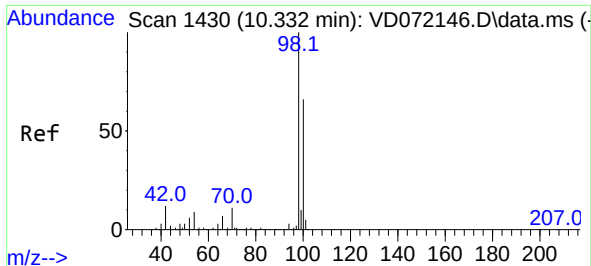
Ion Ratio Lower Upper

113 100

111 101.7 83.8 125.6

192 18.4 14.6 21.8

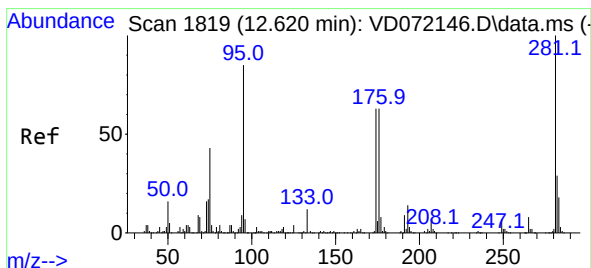
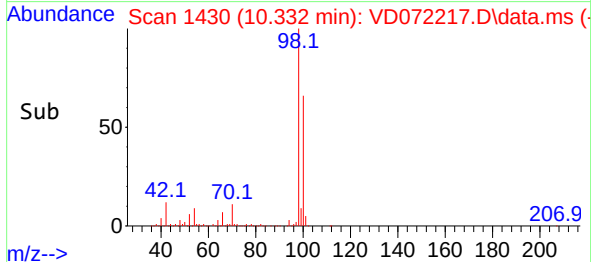
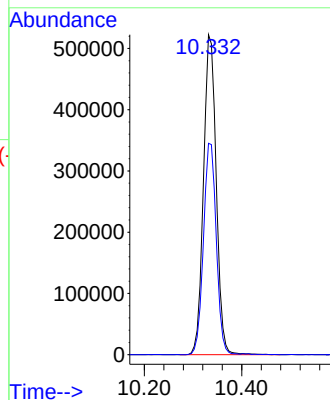
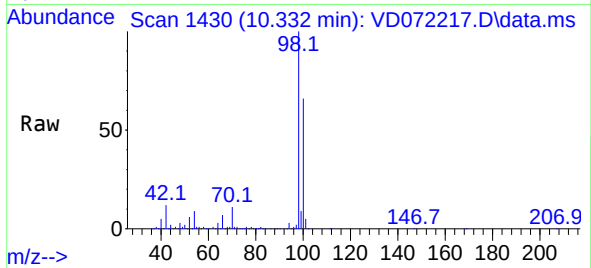




#50  
Toluene-d8  
Concen: 47.534 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD072217.D  
Acq: 16 Mar 2022 14:40

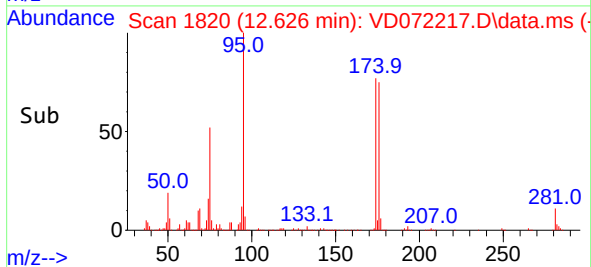
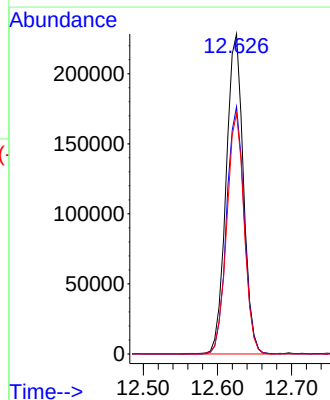
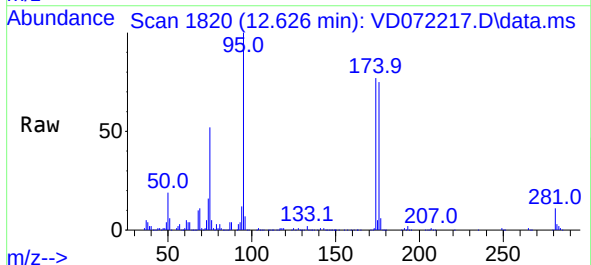
Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-8-9-3

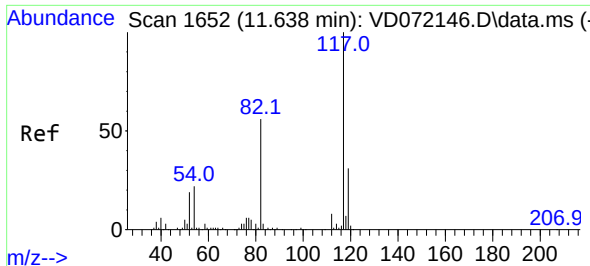
Tgt Ion: 98 Resp: 946123  
Ion Ratio Lower Upper  
98 100  
100 66.5 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 47.717 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.006 min  
Lab File: VD072217.D  
Acq: 16 Mar 2022 14:40

Tgt Ion: 95 Resp: 369031  
Ion Ratio Lower Upper  
95 100  
174 78.3 0.0 152.8  
176 75.2 0.0 145.4

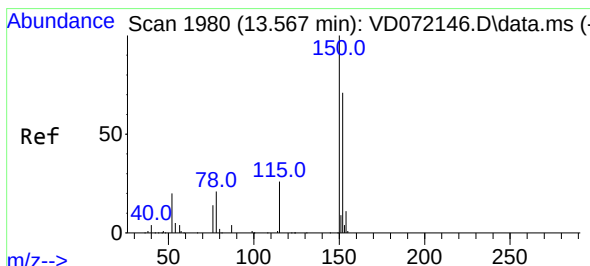
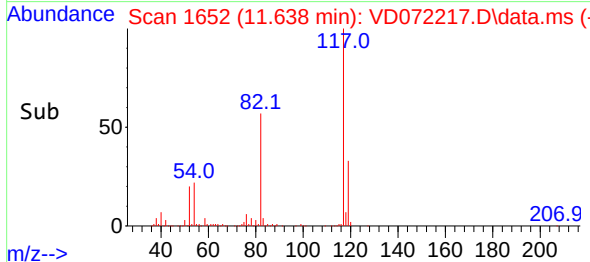
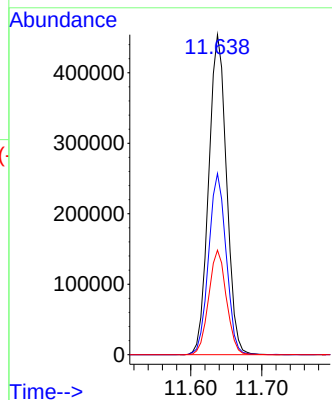
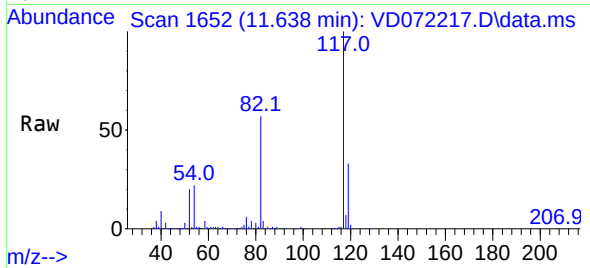




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1170  
Delta R.T. -0.000 min  
Lab File: VD072217.D  
Acq: 16 Mar 2022 14:40

Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-8-9-3

Tgt Ion:117 Resp: 793370  
Ion Ratio Lower Upper  
117 100  
82 56.6 45.3 67.9  
119 32.6 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: VD072217.D  
Acq: 16 Mar 2022 14:40

Tgt Ion:152 Resp: 330127  
Ion Ratio Lower Upper  
152 100  
115 60.9 31.3 93.8  
150 160.8 0.0 348.6

