

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD012822\  
 Data File : VD071834.D  
 Acq On : 28 Jan 2022 20:01  
 Operator : VA/SY  
 Sample : N1313-01RE  
 Misc : 5.01G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 17B-MISC-ARE

Quant Time: Jan 29 04:53:18 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D012622S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 27 06:04:38 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.979  | 168  | 434581   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.861  | 114  | 796312   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.638 | 117  | 732184   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.567 | 152  | 309937   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 275257   | 50.112   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 100.220% |
| 35) Dibromofluoromethane    | 7.914  | 113   | 257792   | 49.250   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 98.500%  |
| 50) Toluene-d8              | 10.338 | 98    | 1015309  | 51.937   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 103.880% |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 336746   | 49.328   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 98.660%  |

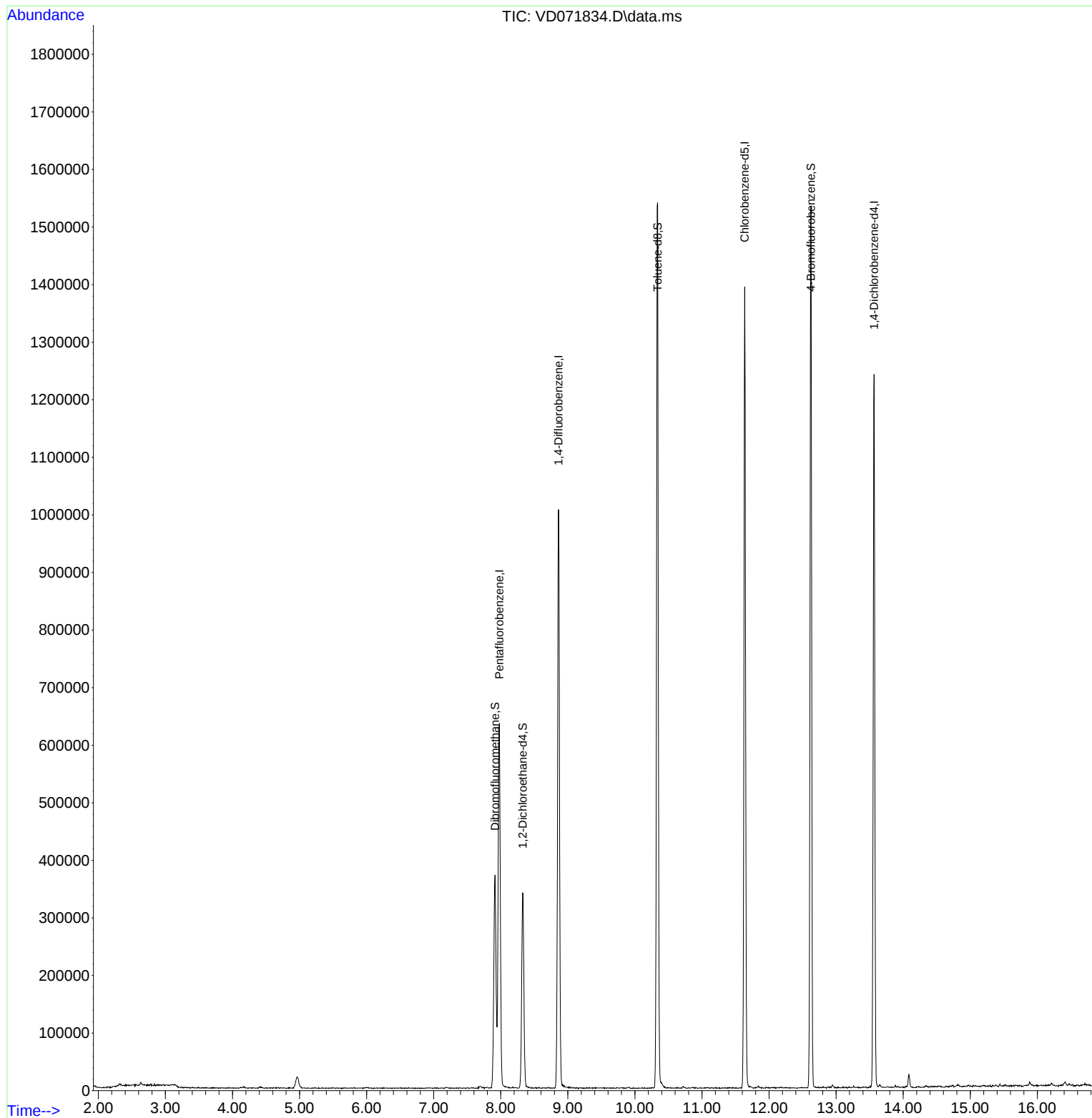
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

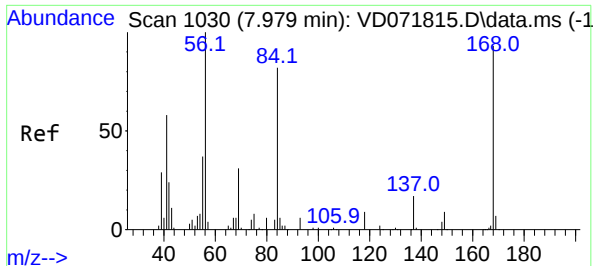
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
17B-MISC-ARE

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D012622S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jan 27 06:04:38 2022  
Response via : Initial Calibration





Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD071834.D

Acq: 28 Jan 2022 20:01

Instrument :

MSVOA\_D

ClientSampleId :

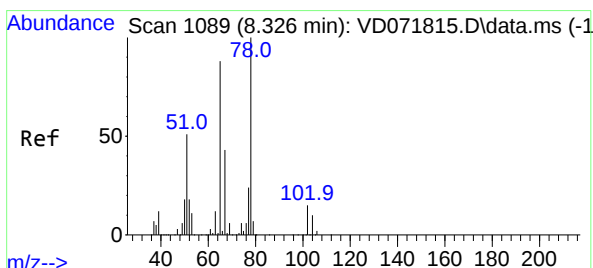
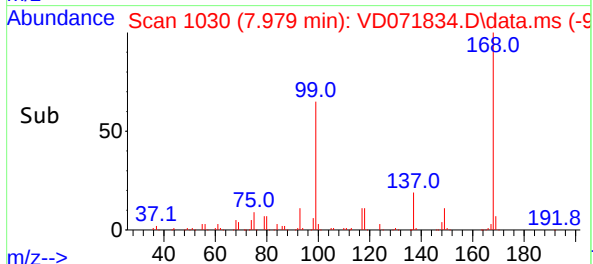
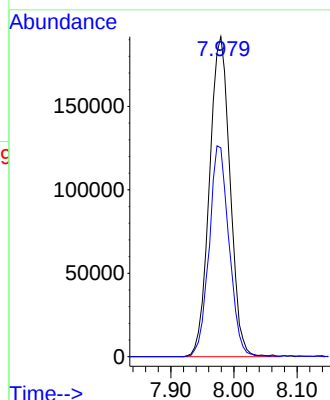
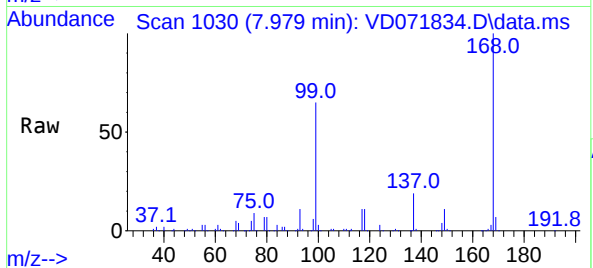
17B-MISC-ARE

Tgt Ion:168 Resp: 434581

Ion Ratio Lower Upper

168 100

99 65.2 49.8 74.6



1,2-Dichloroethane-d4

Concen: 50.112 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD071834.D

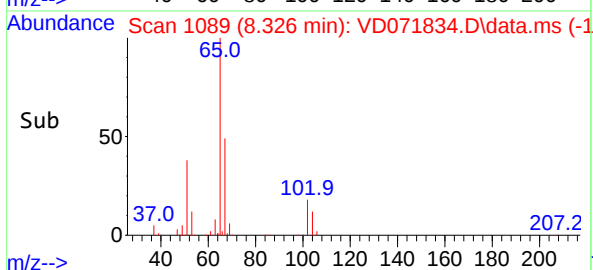
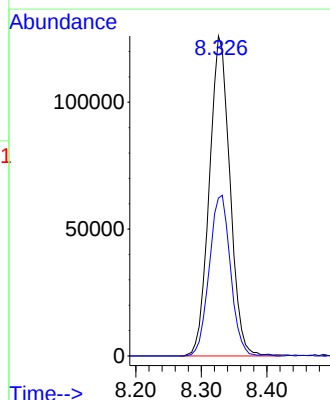
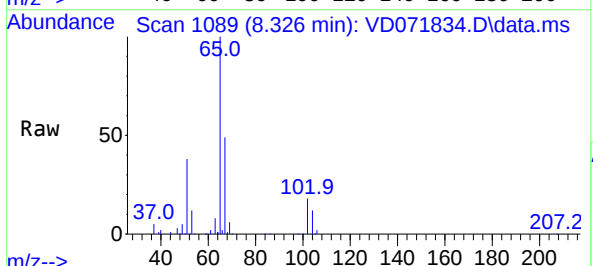
Acq: 28 Jan 2022 20:01

Tgt Ion: 65 Resp: 275257

Ion Ratio Lower Upper

65 100

67 51.6 0.0 101.4

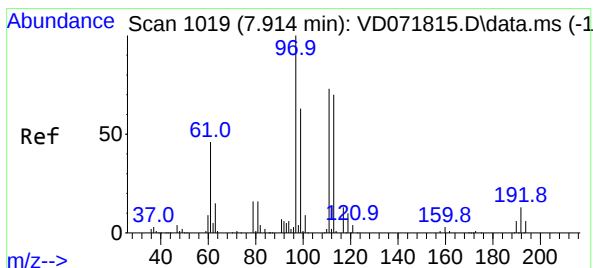
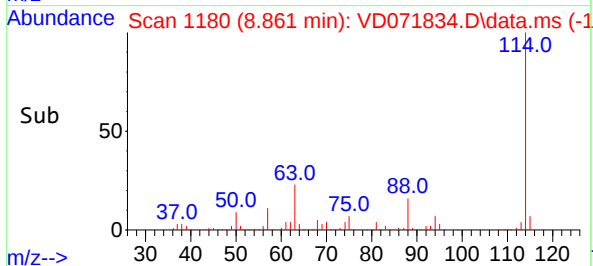
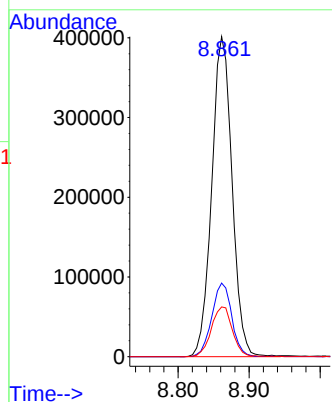
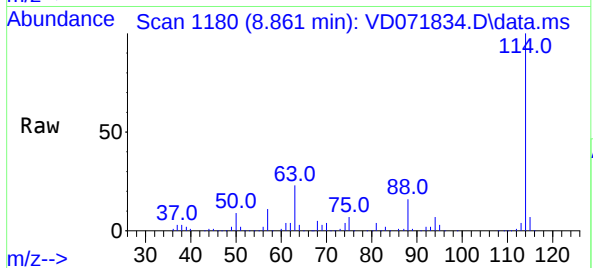




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. -0.000 min  
Lab File: VD071834.D  
Acq: 28 Jan 2022 20:01

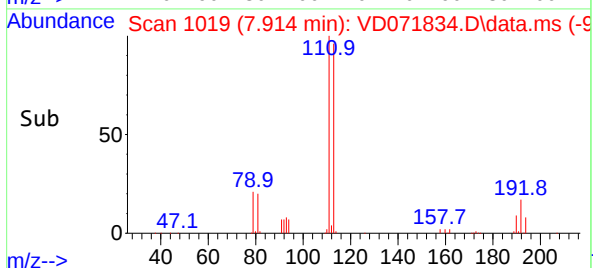
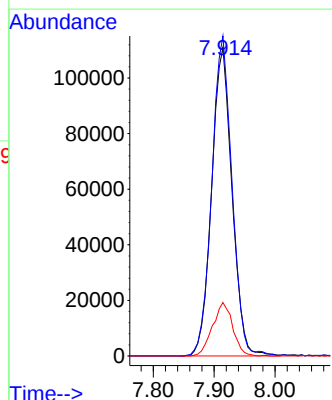
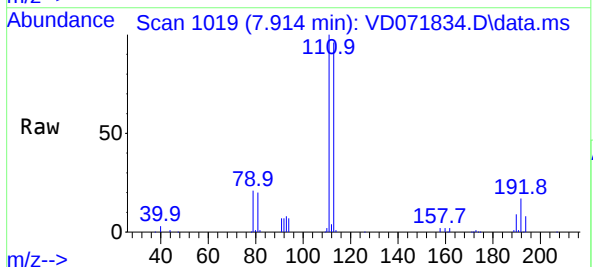
Instrument :  
MSVOA\_D  
ClientSampleId :  
17B-MISC-ARE

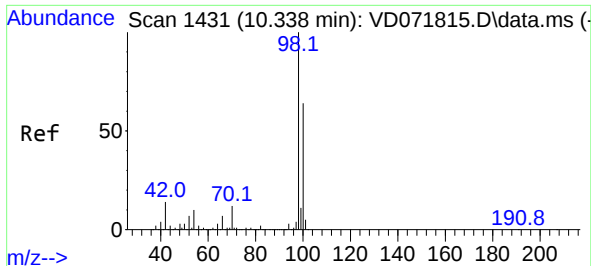
Tgt Ion:114 Resp: 796312  
Ion Ratio Lower Upper  
114 100  
63 23.0 0.0 46.6  
88 15.5 0.0 33.2



#35  
Dibromofluoromethane  
Concen: 49.250 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.000 min  
Lab File: VD071834.D  
Acq: 28 Jan 2022 20:01

Tgt Ion:113 Resp: 257792  
Ion Ratio Lower Upper  
113 100  
111 102.9 83.8 125.6  
192 17.1 14.6 21.8

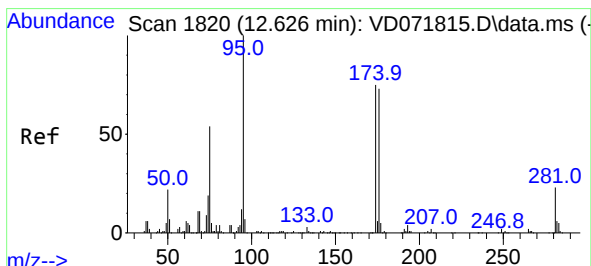
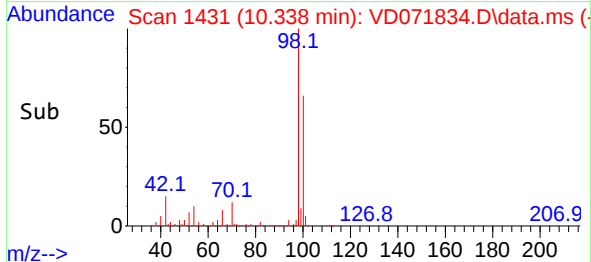
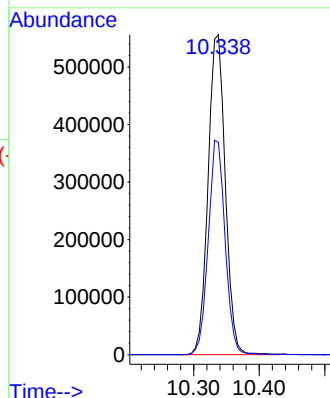
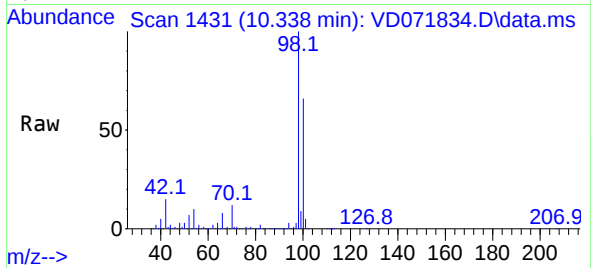




#50  
Toluene-d8  
Concen: 51.937 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: VD071834.D  
Acq: 28 Jan 2022 20:01

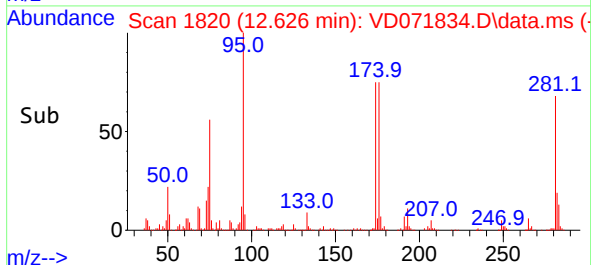
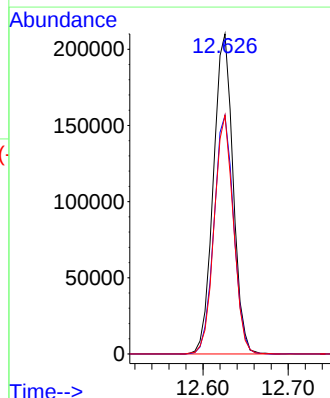
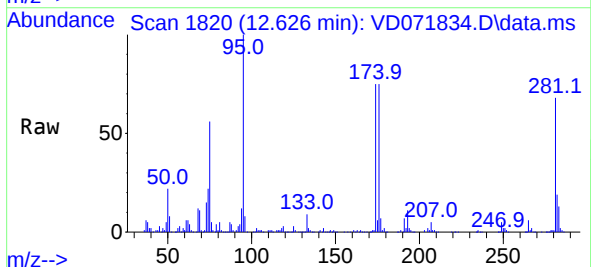
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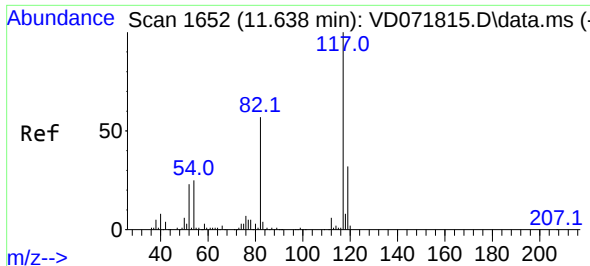
Tgt Ion: 98 Resp: 1015309  
Ion Ratio Lower Upper  
98 100  
100 65.6 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 49.328 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.000 min  
Lab File: VD071834.D  
Acq: 28 Jan 2022 20:01

Tgt Ion: 95 Resp: 336746  
Ion Ratio Lower Upper  
95 100  
174 74.5 0.0 152.8  
176 72.7 0.0 145.4

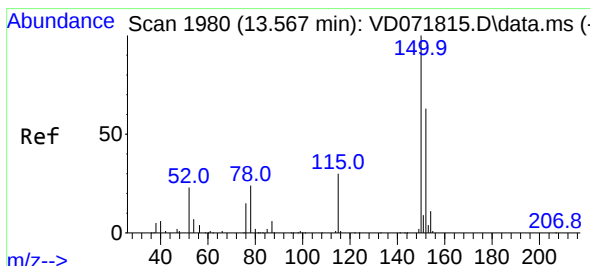
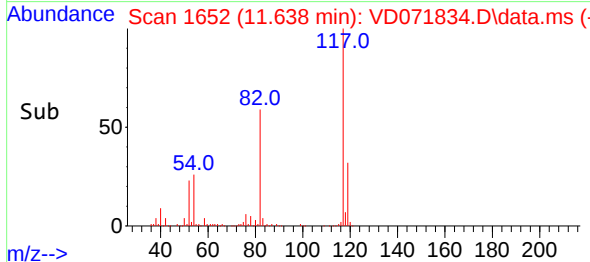
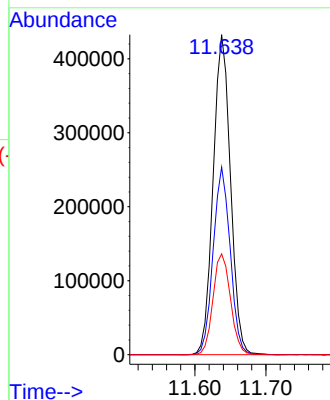
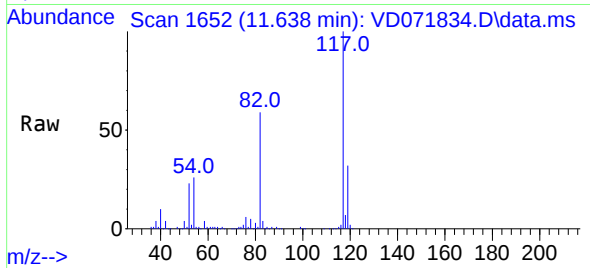




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1170  
Delta R.T. -0.000 min  
Lab File: VD071834.D  
Acq: 28 Jan 2022 20:01

Instrument :  
MSVOA\_D  
ClientSampleId :  
17B-MISC-ARE

Tgt Ion:117 Resp: 732184  
Ion Ratio Lower Upper  
117 100  
82 58.6 45.3 67.9  
119 31.5 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: VD071834.D  
Acq: 28 Jan 2022 20:01

Tgt Ion:152 Resp: 309937  
Ion Ratio Lower Upper  
152 100  
115 60.9 31.3 93.8  
150 154.3 0.0 348.6

