

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD060622\  
 Data File : VD073479.D  
 Acq On : 06 Jun 2022 17:18  
 Operator : VA/SY  
 Sample : N3205-01  
 Misc : 5.08G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 HR-02-060322

Quant Time: Jun 07 01:13:37 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  | 281679   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.856  | 114  | 505423   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.632 | 117  | 538151   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.561 | 152  | 259823   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.320  | 65    | 147324   | 47.326   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 94.660%  |
| 35) Dibromofluoromethane    | 7.903  | 113   | 165722   | 49.690   | ug/l | -0.01    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 99.380%  |
| 50) Toluene-d8              | 10.332 | 98    | 610751   | 49.679   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 99.360%  |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 243501   | 56.438   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 112.880% |

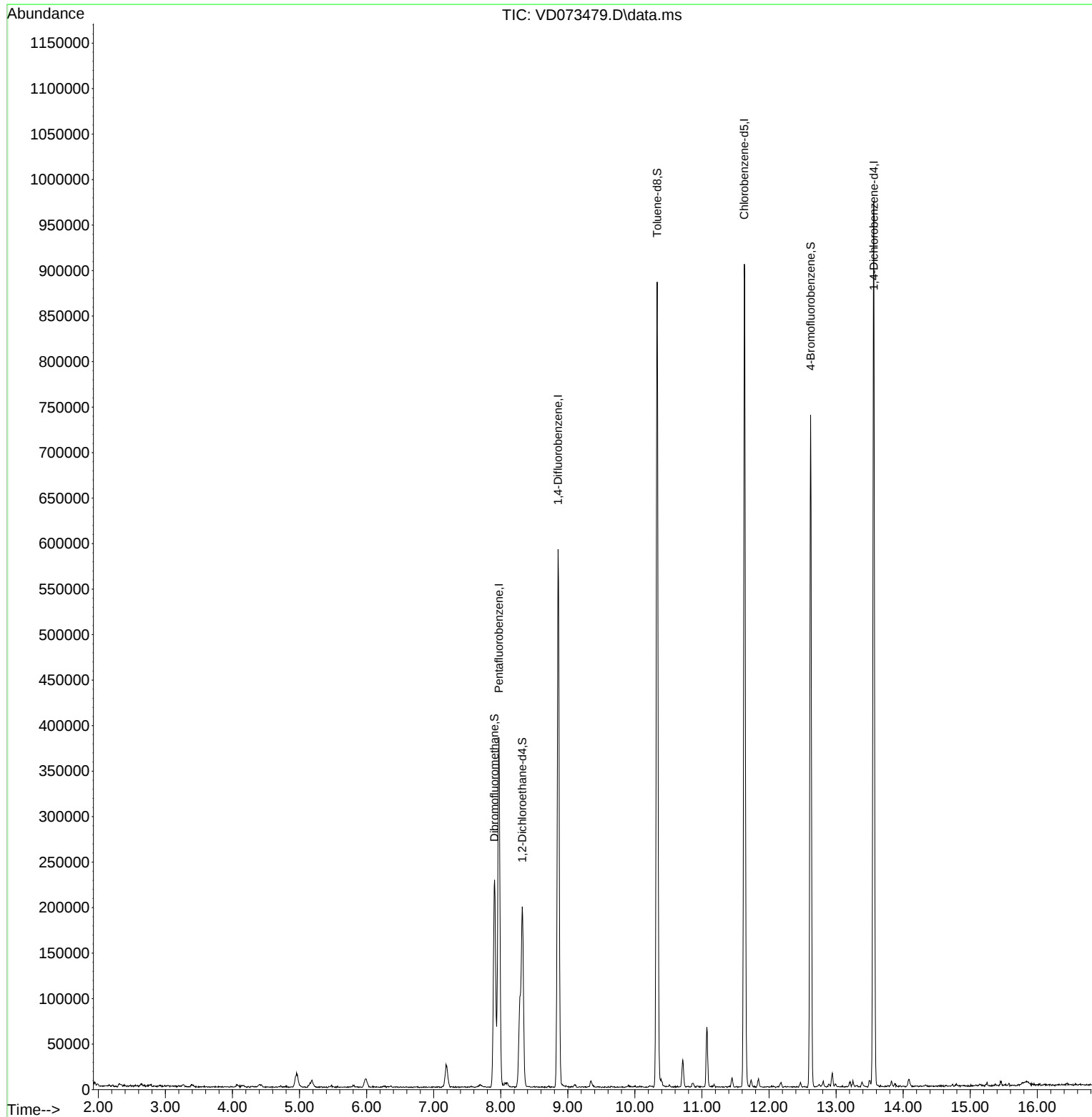
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

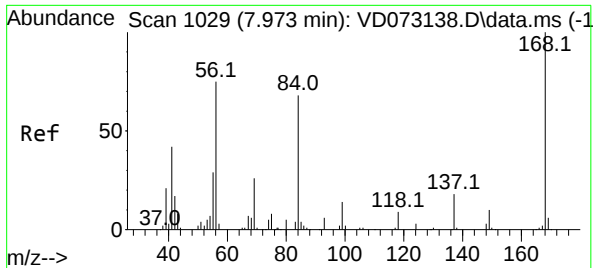
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
HR-02-060322

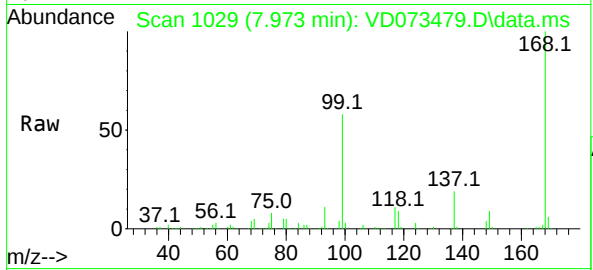
Quant Time: Jun 07 01:13:37 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051922S.M  
Quant Title : SW846 8260  
QLast Update : Thu May 19 15:13:42 2022  
Response via : Initial Calibration



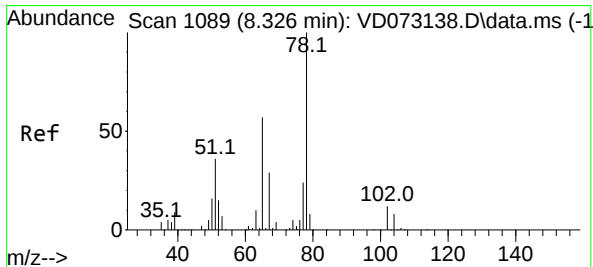
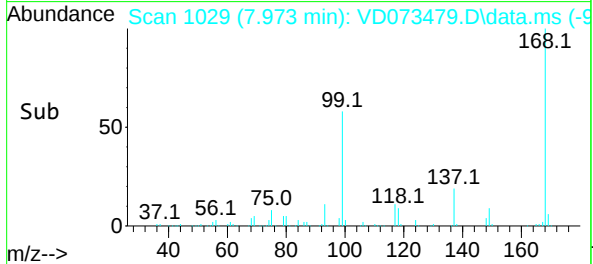
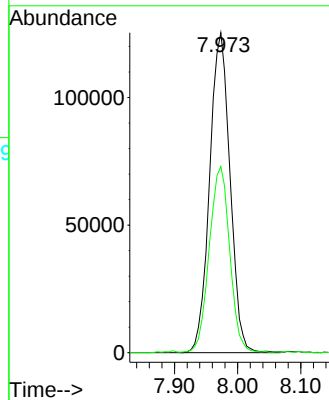


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. 0.000 min  
Lab File: VD073479.D  
Acq: 06 Jun 2022 17:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
HR-02-060322

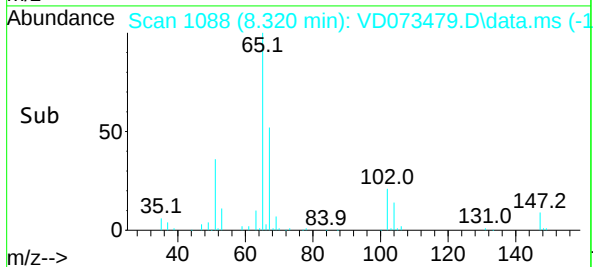
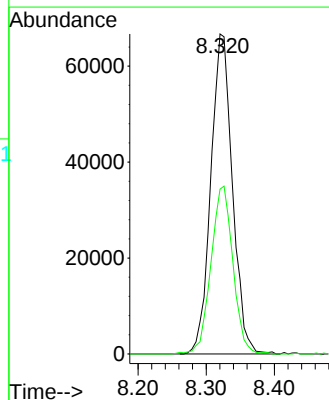
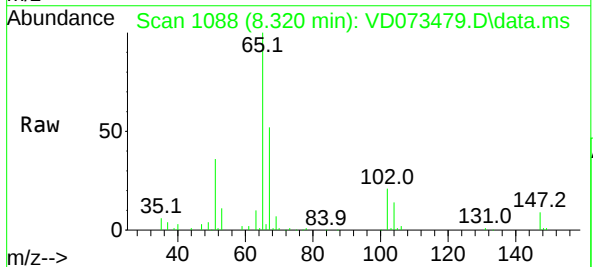


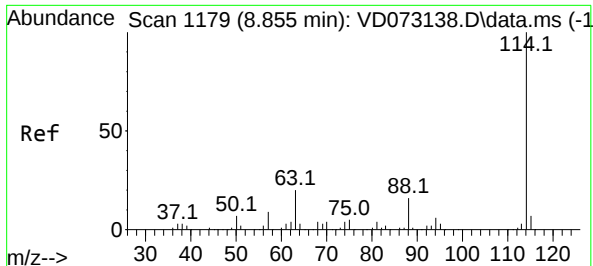
Tgt Ion:168 Resp: 281679  
Ion Ratio Lower Upper  
168 100  
99 58.0 49.8 74.6



#33  
1,2-Dichloroethane-d4  
Concen: 47.326 ug/l  
RT: 8.320 min Scan# 1088  
Delta R.T. -0.006 min  
Lab File: VD073479.D  
Acq: 06 Jun 2022 17:18

Tgt Ion: 65 Resp: 147324  
Ion Ratio Lower Upper  
65 100  
67 53.3 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. 0.001 min

Lab File: VD073479.D

Acq: 06 Jun 2022 17:18

Instrument :

MSVOA\_D

ClientSampleId :

HR-02-060322

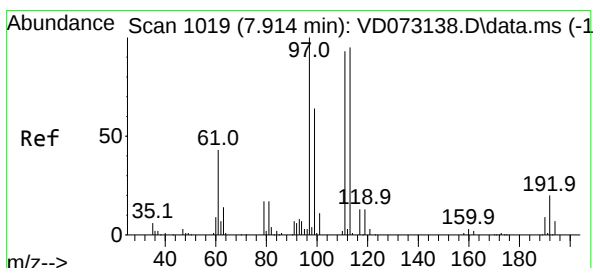
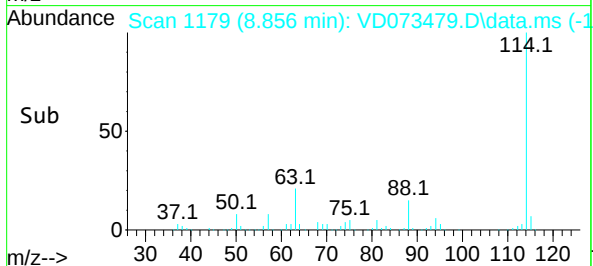
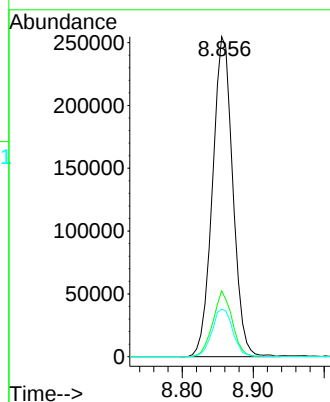
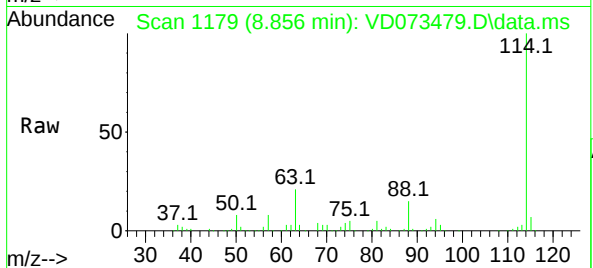
Tgt Ion:114 Resp: 505423

Ion Ratio Lower Upper

114 100

63 20.5 0.0 46.6

88 14.8 0.0 33.2



#35

Dibromofluoromethane

Concen: 49.690 ug/l

RT: 7.903 min Scan# 1017

Delta R.T. -0.011 min

Lab File: VD073479.D

Acq: 06 Jun 2022 17:18

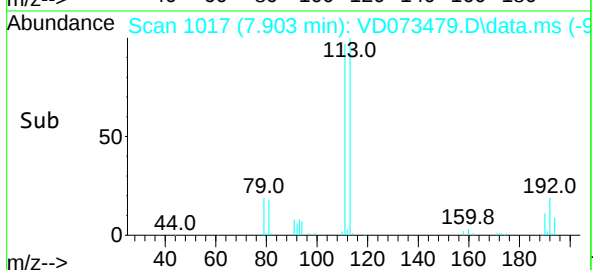
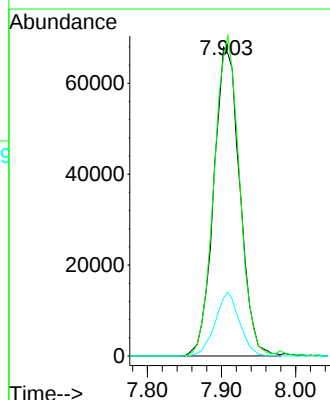
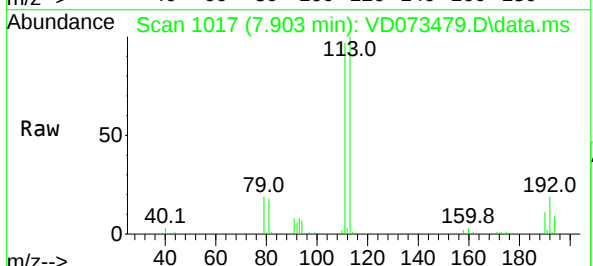
Tgt Ion:113 Resp: 165722

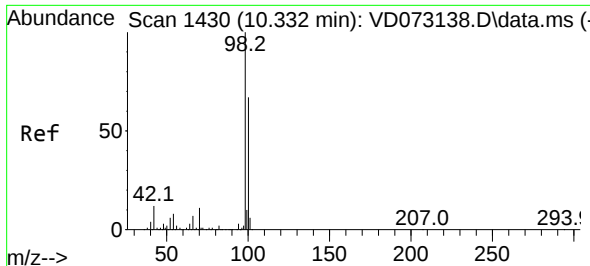
Ion Ratio Lower Upper

113 100

111 101.3 83.8 125.6

192 19.3 14.6 21.8

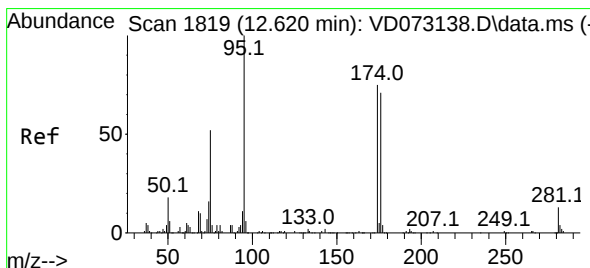
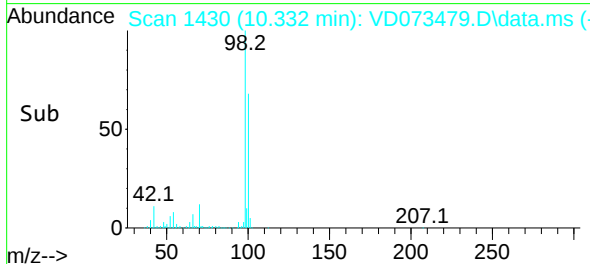
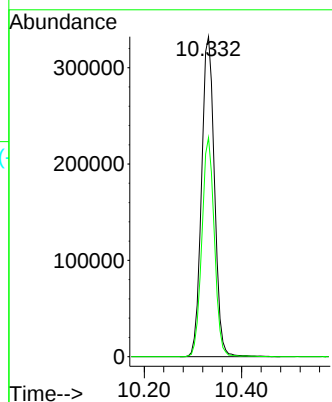
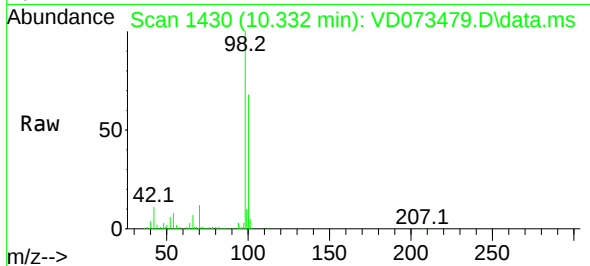




#50  
Toluene-d8  
Concen: 49.679 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD073479.D  
Acq: 06 Jun 2022 17:18

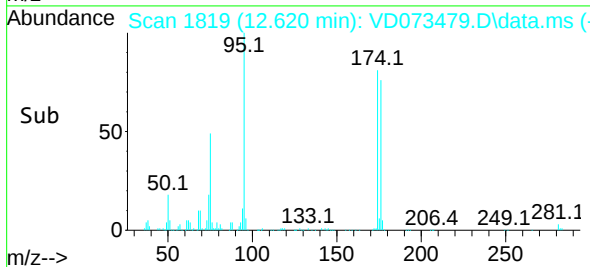
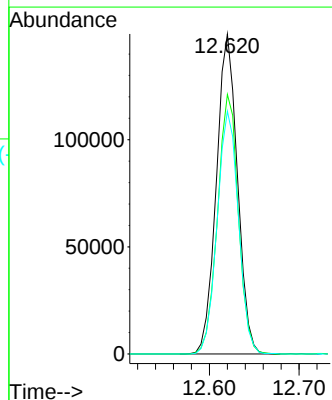
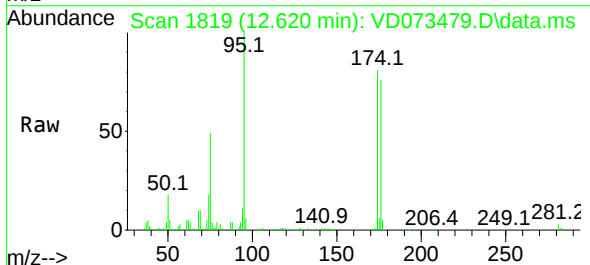
Instrument :  
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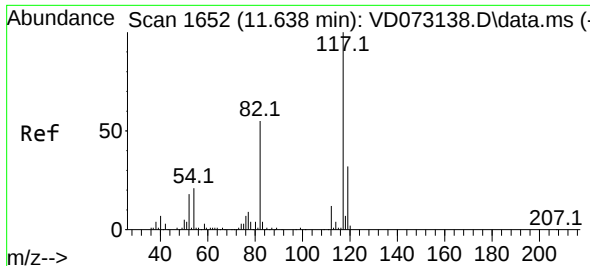
Tgt Ion: 98 Resp: 610751  
Ion Ratio Lower Upper  
98 100  
100 66.2 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 56.438 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.000 min  
Lab File: VD073479.D  
Acq: 06 Jun 2022 17:18

Tgt Ion: 95 Resp: 243501  
Ion Ratio Lower Upper  
95 100  
174 79.9 0.0 152.8  
176 76.3 0.0 145.4

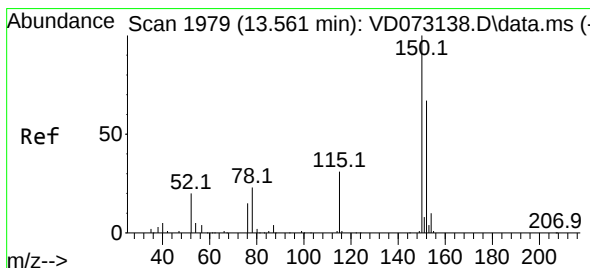
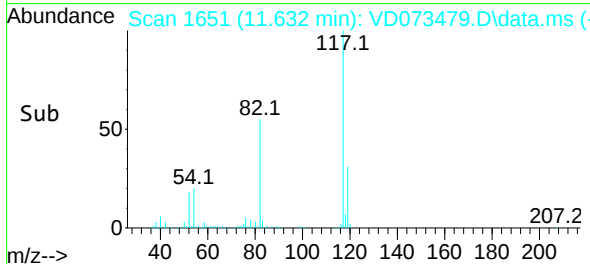
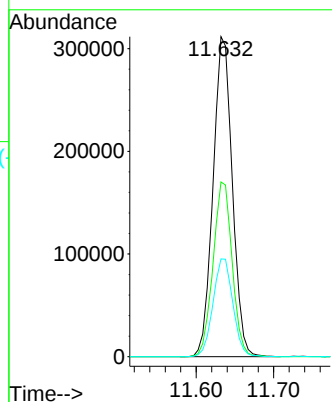
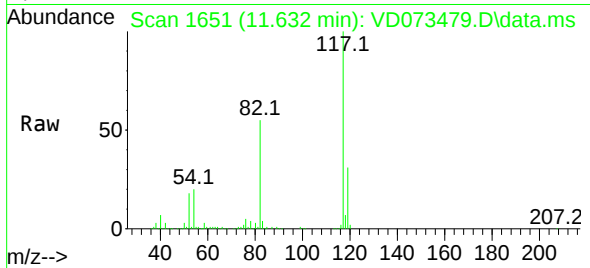




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.632 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VD073479.D  
Acq: 06 Jun 2022 17:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
HR-02-060322

Tgt Ion:117 Resp: 538151  
Ion Ratio Lower Upper  
117 100  
82 54.6 45.3 67.9  
119 30.5 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: VD073479.D  
Acq: 06 Jun 2022 17:18

Tgt Ion:152 Resp: 259823  
Ion Ratio Lower Upper  
152 100  
115 59.5 31.3 93.8  
150 157.5 0.0 348.6

