

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD122821\  
 Data File : VD071499.D  
 Acq On : 28 Dec 2021 13:25  
 Operator : VA/SY  
 Sample : M5190-01  
 Misc : 5.02G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 CHRT-26598

Quant Time: Dec 28 15:08:40 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D122221S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 23 08:20:24 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.979  | 168  | 447896   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.861  | 114  | 778589   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.637 | 117  | 712585   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.567 | 152  | 309654   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 244860   | 41.164   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 82.320% |
| 35) Dibromofluoromethane    | 7.914  | 113   | 239838   | 45.834   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 91.660% |
| 50) Toluene-d8              | 10.338 | 98    | 968748   | 48.990   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 97.980% |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 320032   | 45.544   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 91.080% |

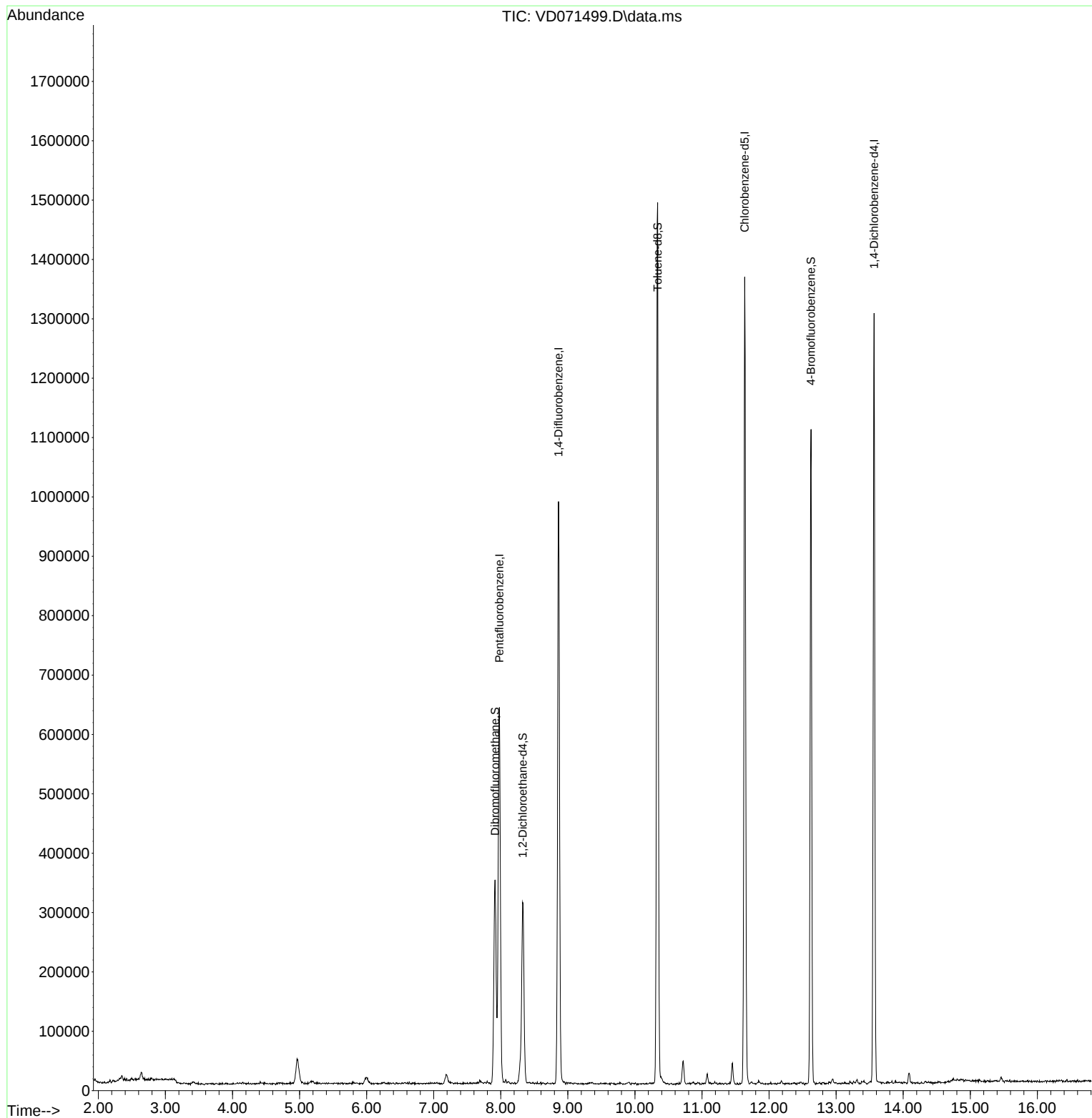
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

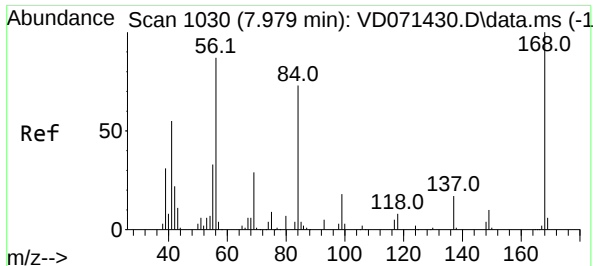
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
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Response via : Initial Calibration

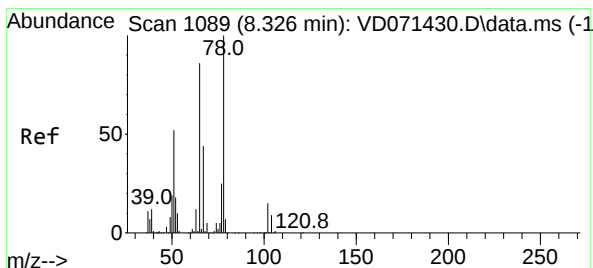
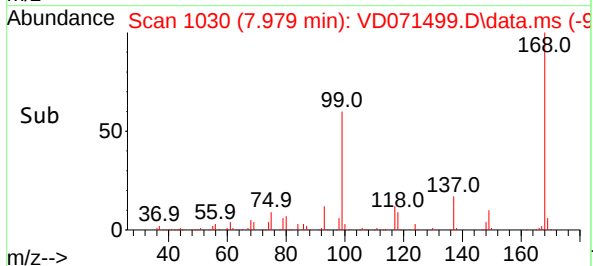
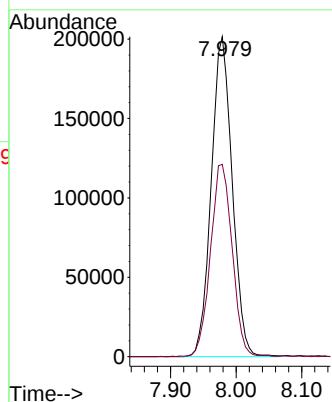
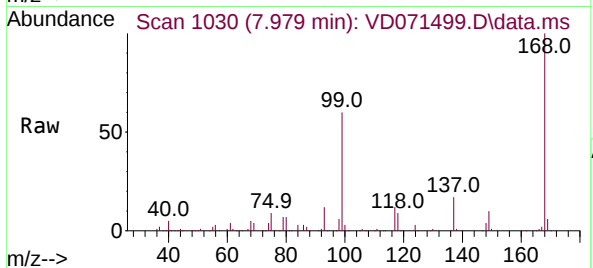




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. 0.006 min  
Lab File: VD071499.D  
Acq: 28 Dec 2021 13:25

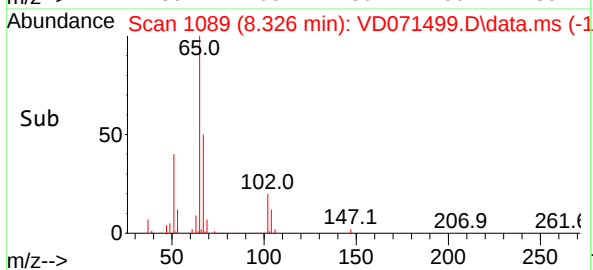
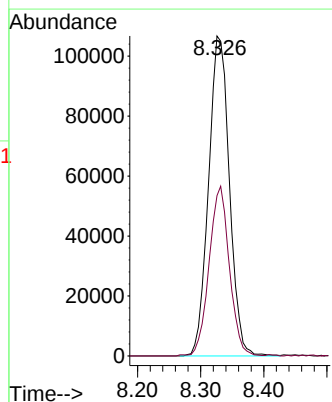
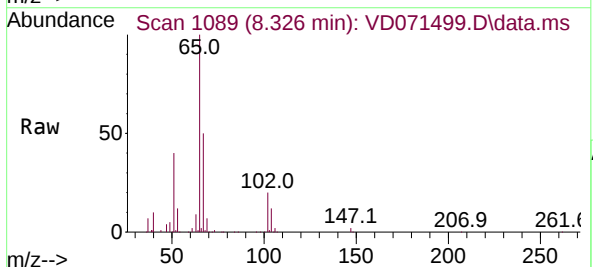
Instrument :  
MSVOA\_D  
ClientSampleId :  
CHRT-26598

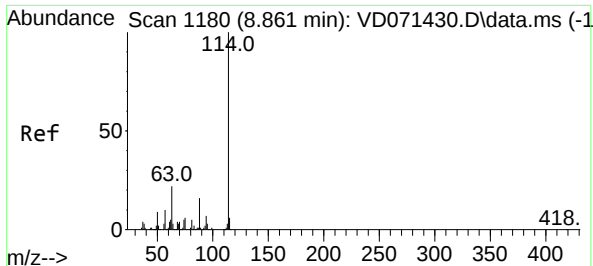
Tgt Ion:168 Resp: 447896  
Ion Ratio Lower Upper  
168 100  
99 60.0 46.6 69.8



#33  
1,2-Dichloroethane-d4  
Concen: 41.164 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. -0.000 min  
Lab File: VD071499.D  
Acq: 28 Dec 2021 13:25

Tgt Ion: 65 Resp: 244860  
Ion Ratio Lower Upper  
65 100  
67 51.6 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071499.D

Acq: 28 Dec 2021 13:25

Instrument :

MSVOA\_D

ClientSampleId :

CHRT-26598

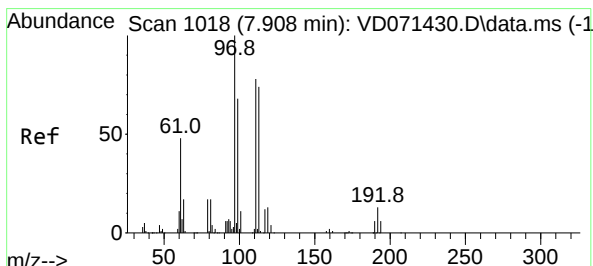
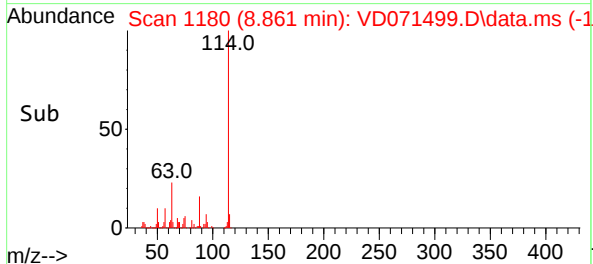
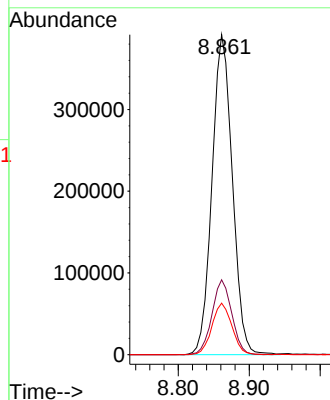
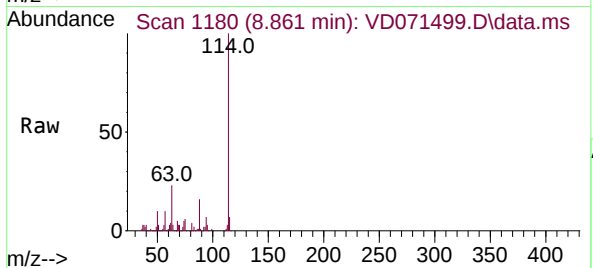
Tgt Ion:114 Resp: 778589

Ion Ratio Lower Upper

114 100

63 23.4 0.0 41.8

88 16.1 0.0 32.8



#35

Dibromofluoromethane

Concen: 45.834 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD071499.D

Acq: 28 Dec 2021 13:25

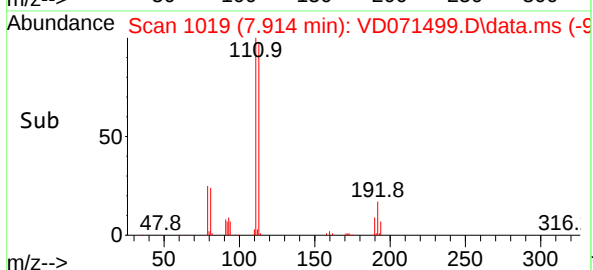
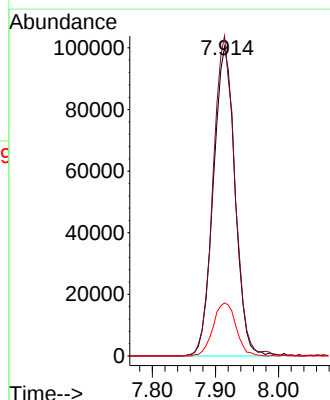
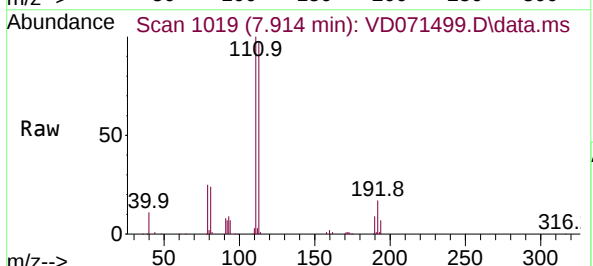
Tgt Ion:113 Resp: 239838

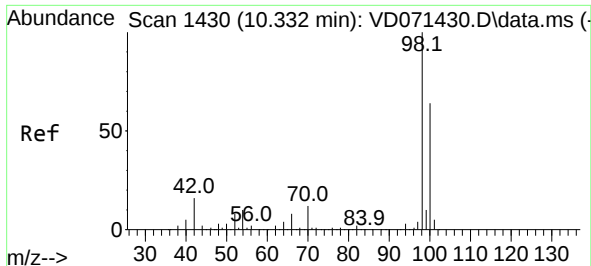
Ion Ratio Lower Upper

113 100

111 103.4 82.0 123.0

192 18.1 15.2 22.8

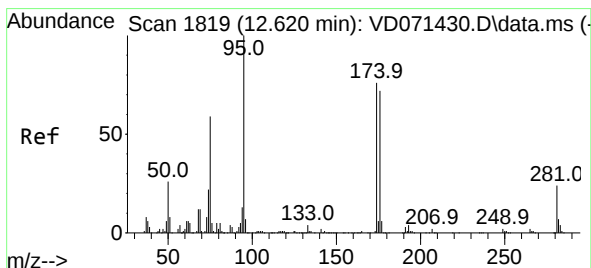
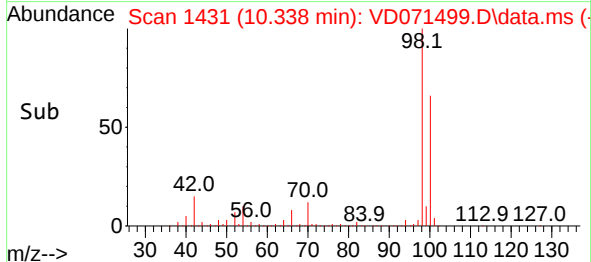
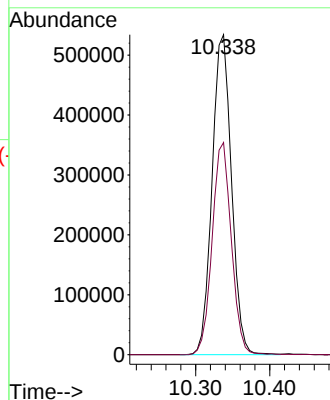
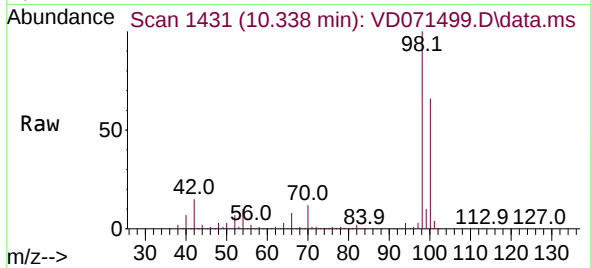




#50  
Toluene-d8  
Concen: 48.990 ug/l  
RT: 10.338 min Scan# 1430  
Delta R.T. 0.006 min  
Lab File: VD071499.D  
Acq: 28 Dec 2021 13:25

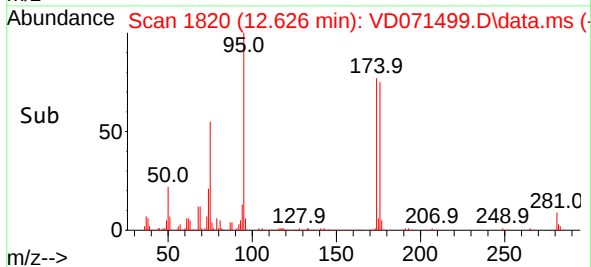
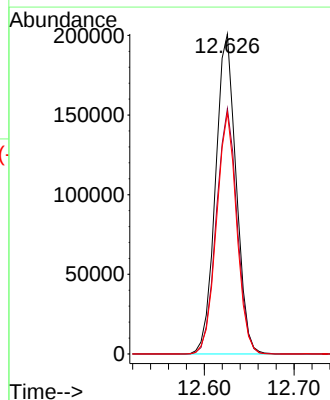
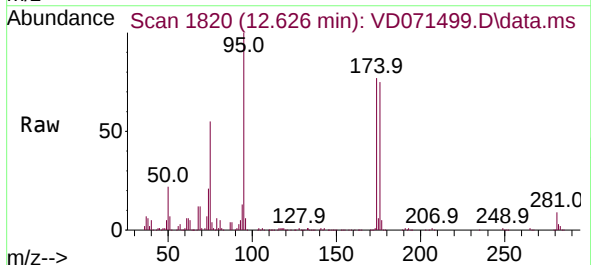
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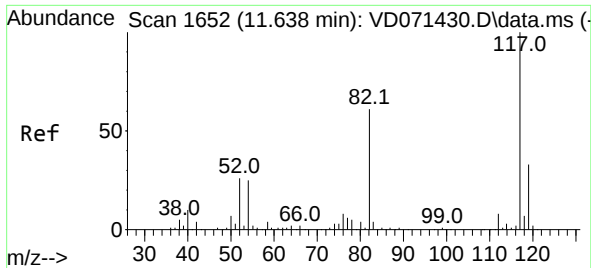
Tgt Ion: 98 Resp: 968748  
Ion Ratio Lower Upper  
98 100  
100 65.7 51.8 77.6



#62  
4-Bromofluorobenzene  
Concen: 45.544 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.000 min  
Lab File: VD071499.D  
Acq: 28 Dec 2021 13:25

Tgt Ion: 95 Resp: 320032  
Ion Ratio Lower Upper  
95 100  
174 77.2 0.0 159.4  
176 73.7 0.0 154.0

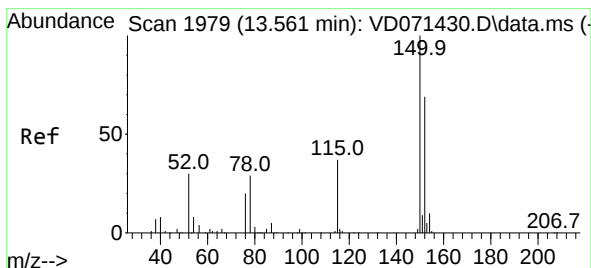
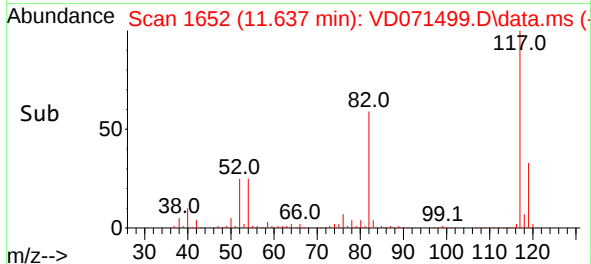
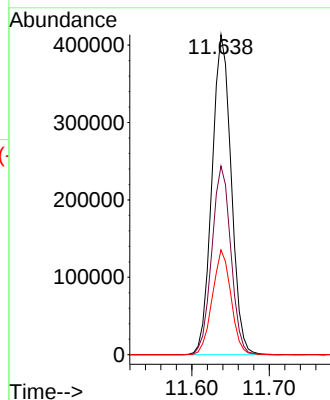
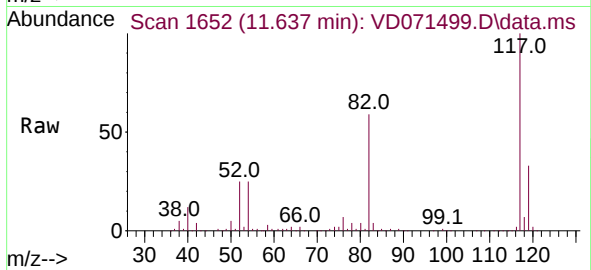




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.637 min Scan# 117  
Delta R.T. -0.001 min  
Lab File: VD071499.D  
Acq: 28 Dec 2021 13:25

Instrument :  
MSVOA\_D  
ClientSampleId :  
CHRT-26598

Tgt Ion:117 Resp: 712585  
Ion Ratio Lower Upper  
117 100  
82 59.0 44.7 67.1  
119 32.8 26.2 39.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. 0.006 min  
Lab File: VD071499.D  
Acq: 28 Dec 2021 13:25

Tgt Ion:152 Resp: 309654  
Ion Ratio Lower Upper  
152 100  
115 61.8 29.8 89.3  
150 160.0 0.0 349.2

