

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD032522\  
 Data File : VD072425.D  
 Acq On : 25 Mar 2022 13:22  
 Operator : VA/SY  
 Sample : N2107-02  
 Misc : 4.59G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SS2

Quant Time: Mar 26 00:09:51 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  | 363098   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.861  | 114  | 624587   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.638 | 117  | 734535   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.567 | 152  | 383107   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 192073   | 47.466   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 94.940%  |
| 35) Dibromofluoromethane    | 7.908  | 113   | 193984   | 44.135   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 88.260%  |
| 50) Toluene-d8              | 10.332 | 98    | 792122   | 49.288   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 98.580%  |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 394551   | 63.183   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 126.360% |

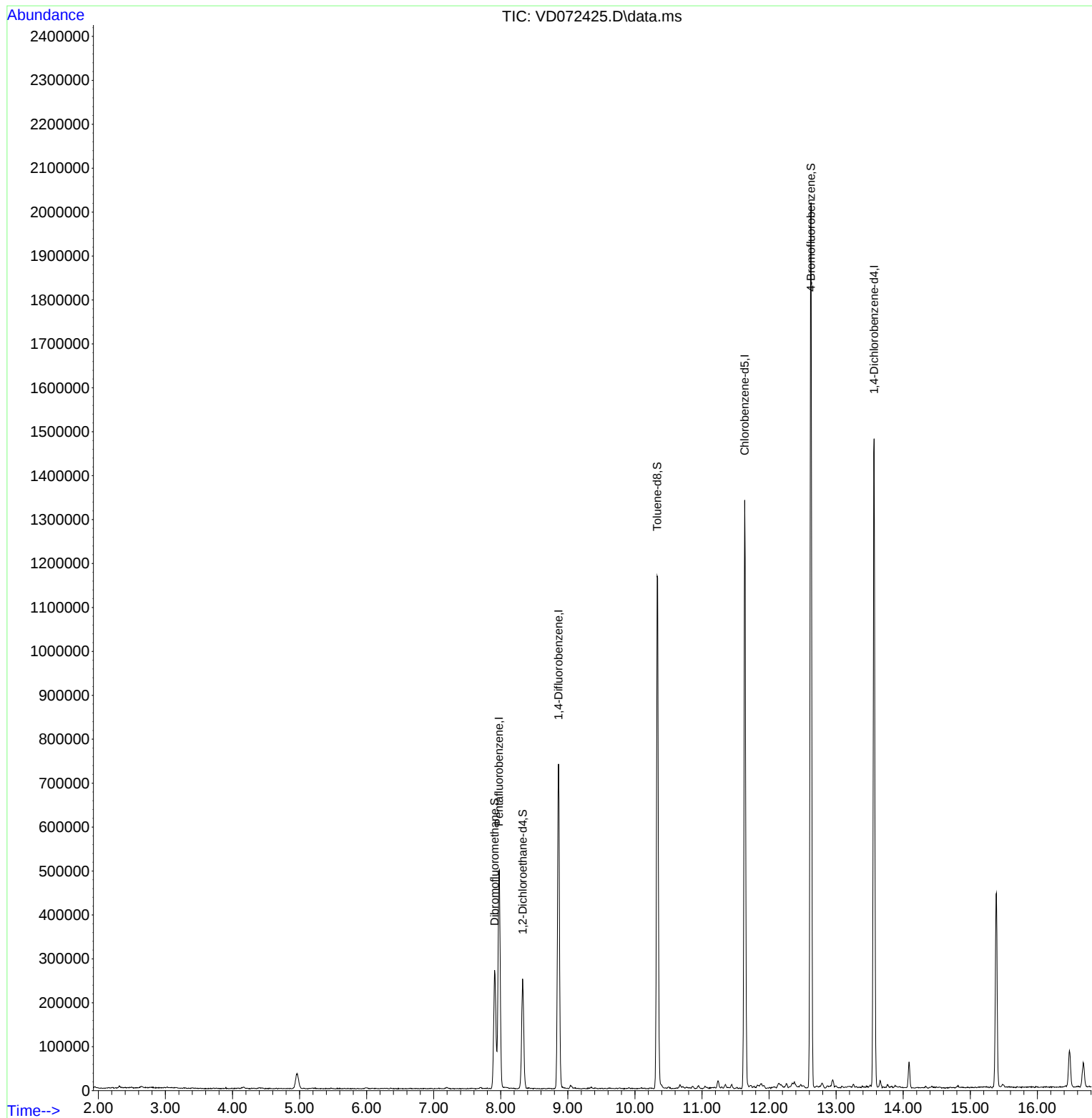
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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Instrument :  
MSVOA\_D  
ClientSampleId :  
SS2

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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

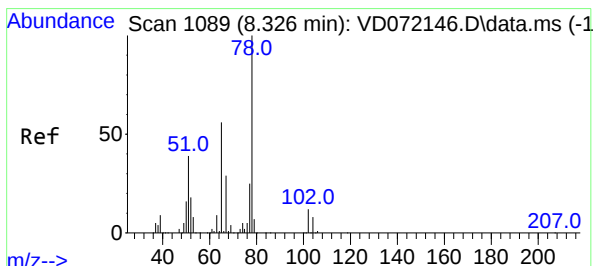
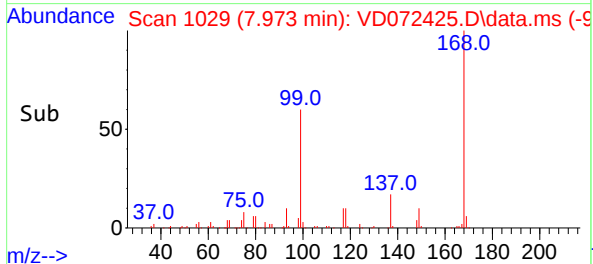
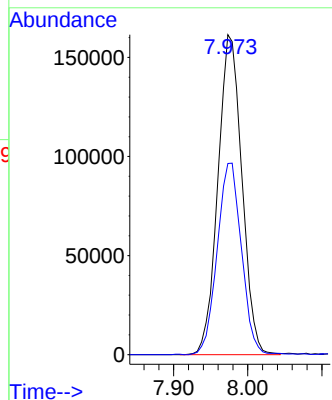
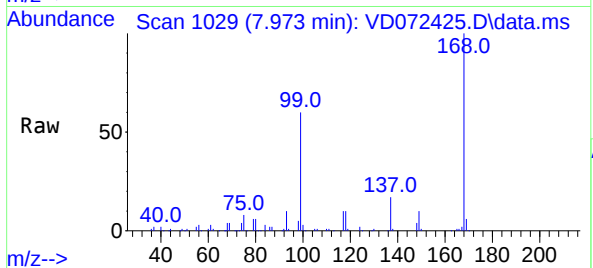




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. 0.000 min  
Lab File: VD072425.D  
Acq: 25 Mar 2022 13:22

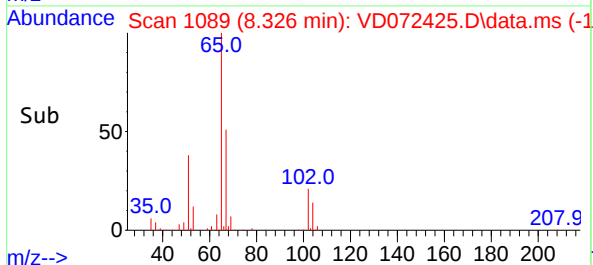
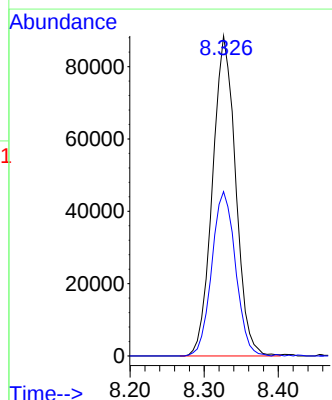
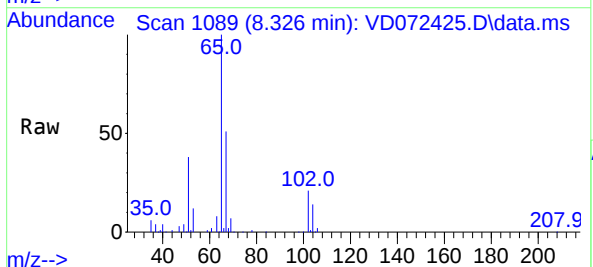
Instrument :  
MSVOA\_D  
ClientSampleId :  
SS2

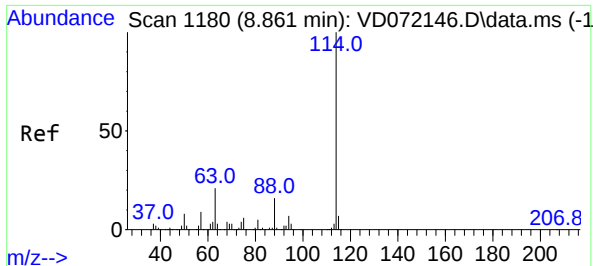
Tgt Ion:168 Resp: 363098  
Ion Ratio Lower Upper  
168 100  
99 59.6 49.8 74.6



#33  
1,2-Dichloroethane-d4  
Concen: 47.466 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. -0.000 min  
Lab File: VD072425.D  
Acq: 25 Mar 2022 13:22

Tgt Ion: 65 Resp: 192073  
Ion Ratio Lower Upper  
65 100  
67 52.6 0.0 101.4

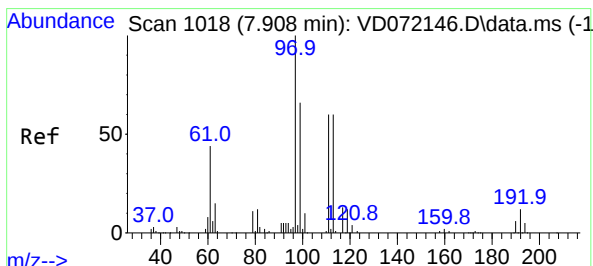
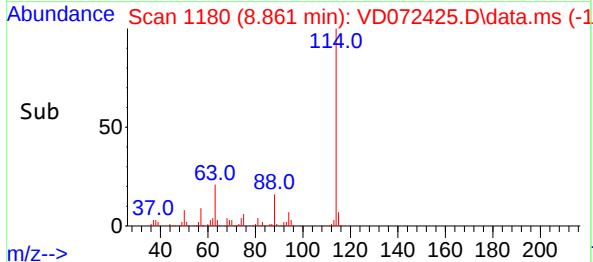
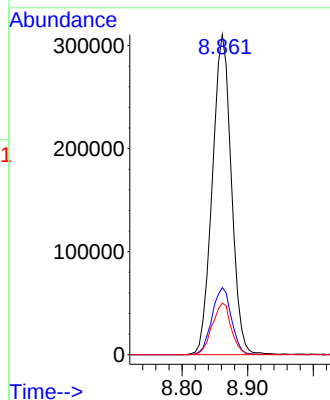
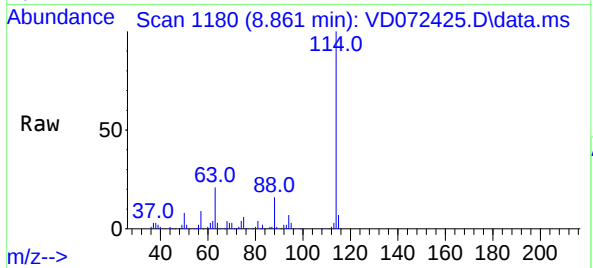




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. -0.000 min  
Lab File: VD072425.D  
Acq: 25 Mar 2022 13:22

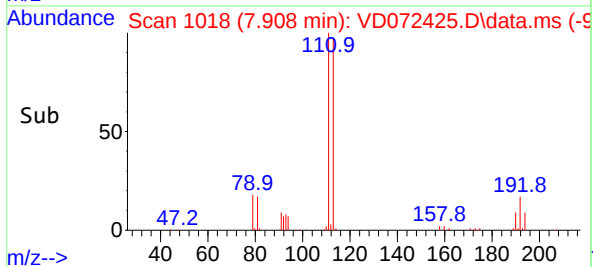
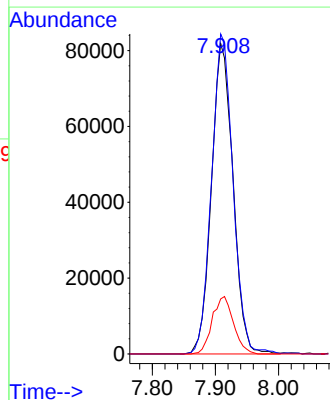
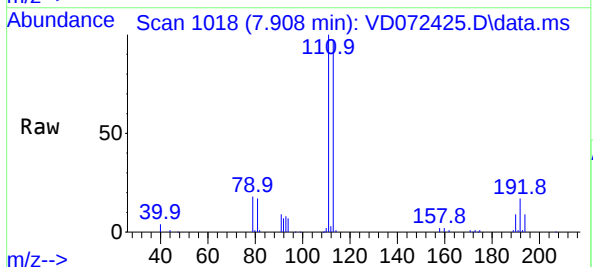
Instrument :  
MSVOA\_D  
ClientSampleId :  
SS2

Tgt Ion:114 Resp: 624587  
Ion Ratio Lower Upper  
114 100  
63 21.0 0.0 46.6  
88 16.1 0.0 33.2



#35  
Dibromofluoromethane  
Concen: 44.135 ug/l  
RT: 7.908 min Scan# 1018  
Delta R.T. -0.000 min  
Lab File: VD072425.D  
Acq: 25 Mar 2022 13:22

Tgt Ion:113 Resp: 193984  
Ion Ratio Lower Upper  
113 100  
111 102.6 83.8 125.6  
192 18.2 14.6 21.8

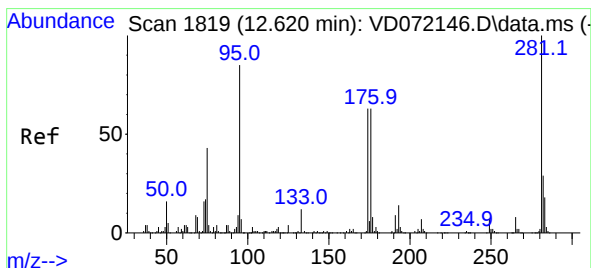
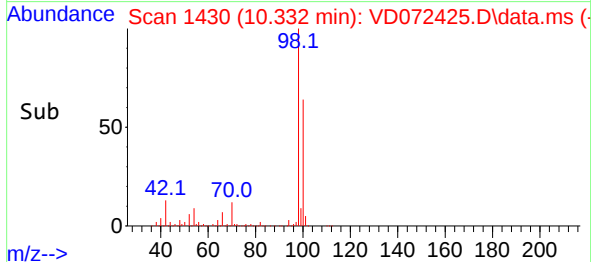
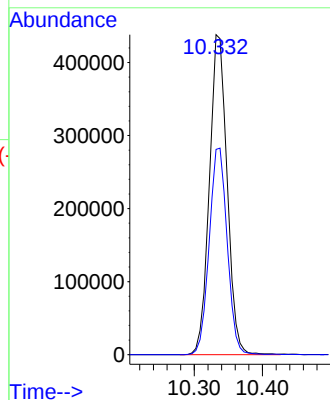
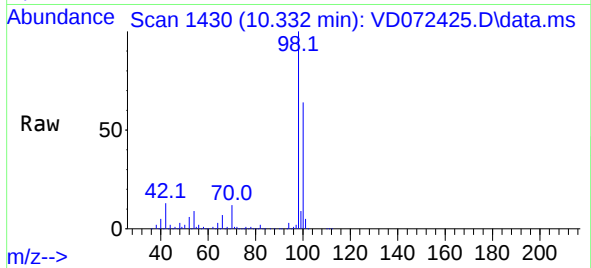




#50  
Toluene-d8  
Concen: 49.288 ug/l  
RT: 10.332 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VD072425.D  
Acq: 25 Mar 2022 13:22

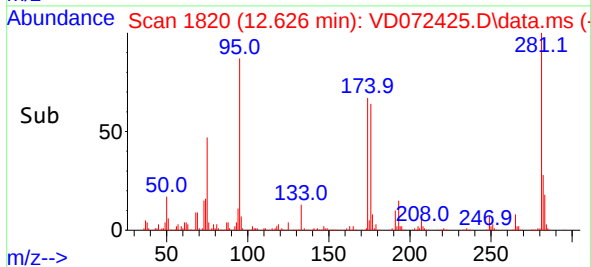
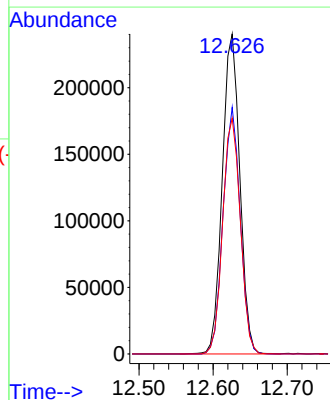
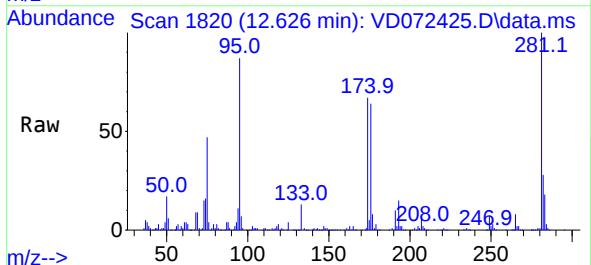
Instrument :  
MSVOA\_D  
ClientSampleId :  
SS2

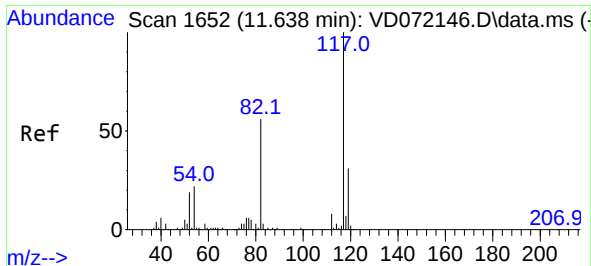
Tgt Ion: 98 Resp: 792122  
Ion Ratio Lower Upper  
98 100  
100 65.5 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 63.183 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.006 min  
Lab File: VD072425.D  
Acq: 25 Mar 2022 13:22

Tgt Ion: 95 Resp: 394551  
Ion Ratio Lower Upper  
95 100  
174 75.4 0.0 152.8  
176 74.2 0.0 145.4

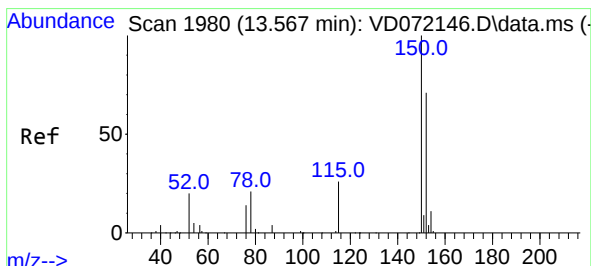
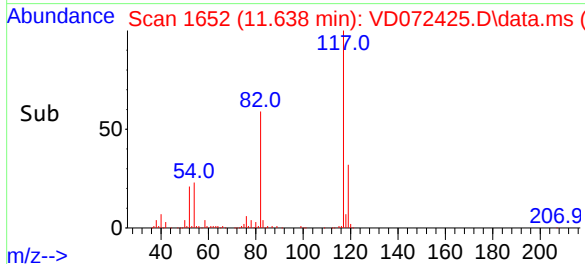
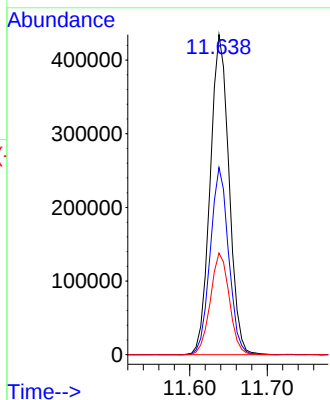
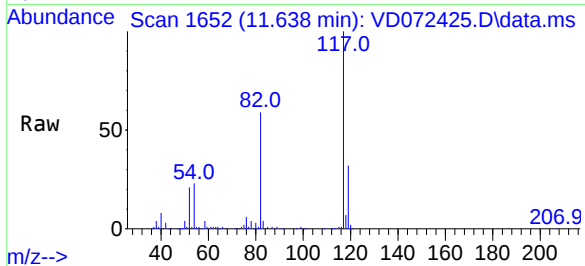




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VD072425.D  
Acq: 25 Mar 2022 13:22

Instrument :  
MSVOA\_D  
ClientSampleId :  
SS2

Tgt Ion:117 Resp: 734535  
Ion Ratio Lower Upper  
117 100  
82 58.5 45.3 67.9  
119 31.8 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: VD072425.D  
Acq: 25 Mar 2022 13:22

Tgt Ion:152 Resp: 383107  
Ion Ratio Lower Upper  
152 100  
115 60.7 31.3 93.8  
150 158.3 0.0 348.6

