

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD033022\  
 Data File : VD072471.D  
 Acq On : 30 Mar 2022 11:30  
 Operator : VA/SY  
 Sample : VD0330SBL01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0330SBL01

Quant Time: Mar 31 03:06:48 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D032922S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 30 02:44:36 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.979  | 168  | 461979   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.861  | 114  | 808329   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.638 | 117  | 925283   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.561 | 152  | 476852   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 194463   | 34.797   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 69.600%  |
| 35) Dibromofluoromethane    | 7.914  | 113   | 244630   | 38.942   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 77.880%  |
| 50) Toluene-d8              | 10.332 | 98    | 1012994  | 46.391   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 92.780%  |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 458129   | 53.721   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 107.440% |

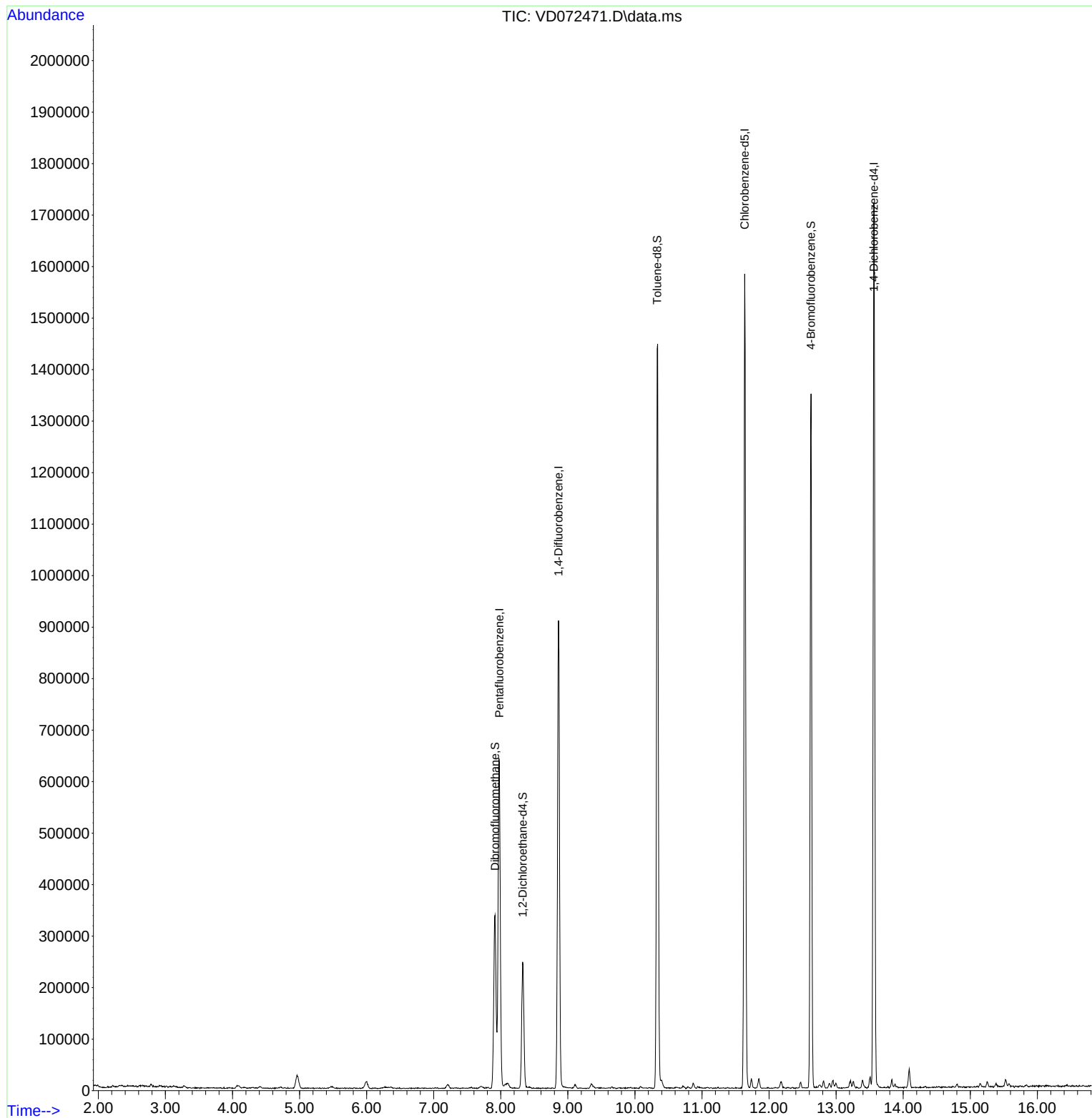
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

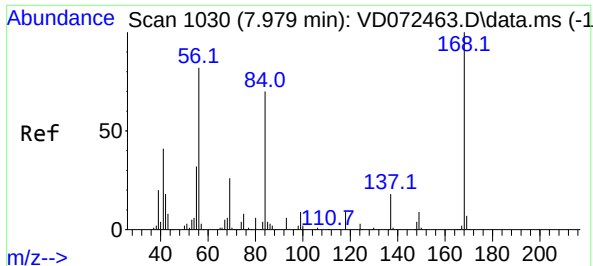
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VD0330SBL01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0330SBL01

Quant Time: Mar 31 03:06:48 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D032922S.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 30 02:44:36 2022  
Response via : Initial Calibration

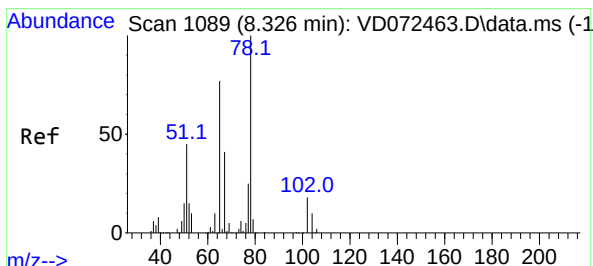
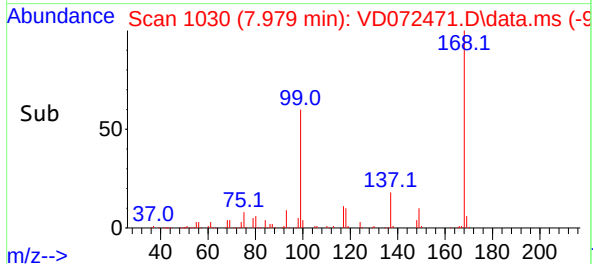
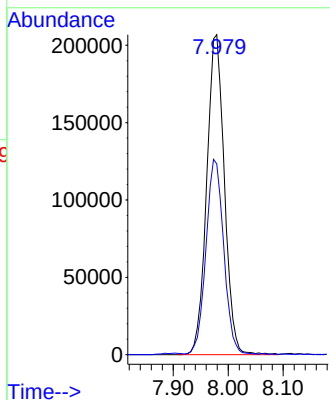
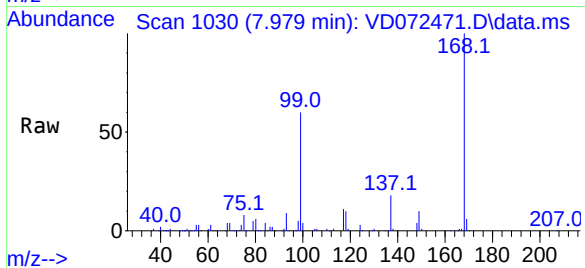




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. 0.000 min  
Lab File: VD072471.D  
Acq: 30 Mar 2022 11:30

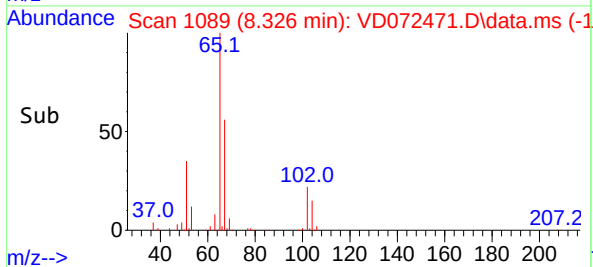
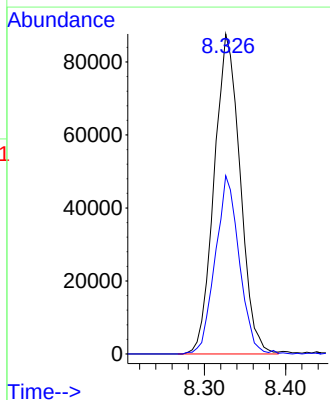
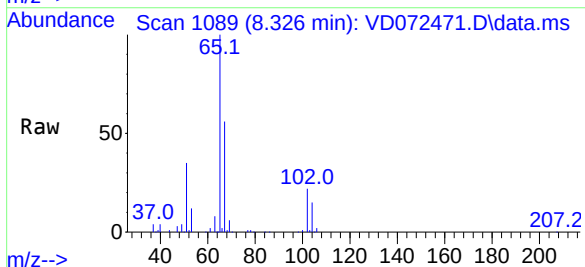
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0330SBL01

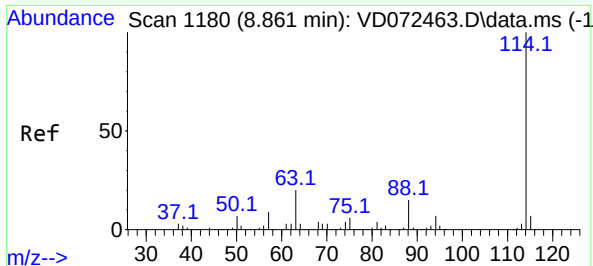
Tgt Ion:168 Resp: 461979  
Ion Ratio Lower Upper  
168 100  
99 59.5 49.8 74.6



#33  
1,2-Dichloroethane-d4  
Concen: 34.797 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. 0.000 min  
Lab File: VD072471.D  
Acq: 30 Mar 2022 11:30

Tgt Ion: 65 Resp: 194463  
Ion Ratio Lower Upper  
65 100  
67 51.6 0.0 101.4

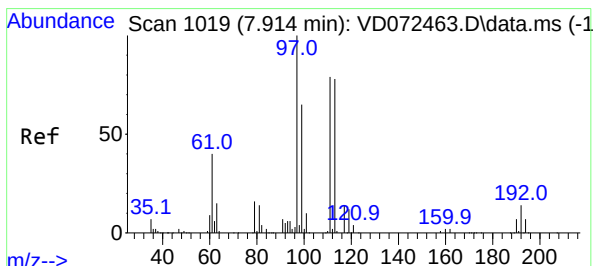
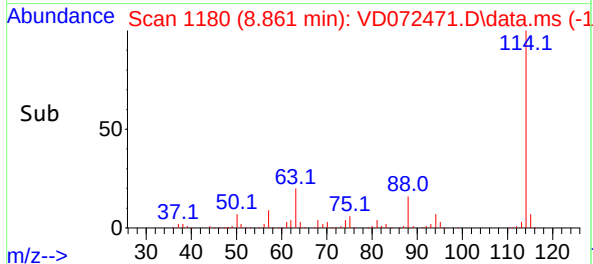
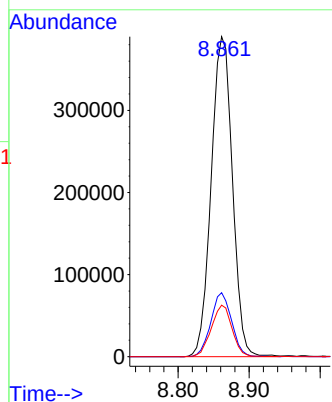
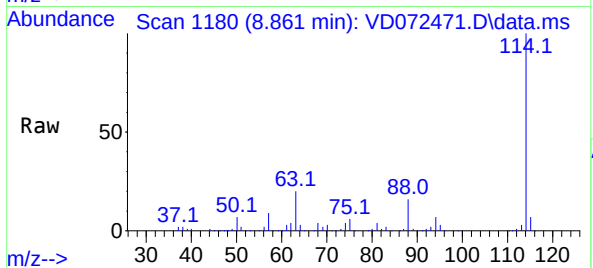




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. 0.000 min  
Lab File: VD072471.D  
Acq: 30 Mar 2022 11:30

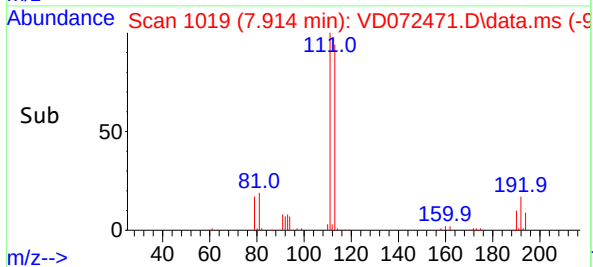
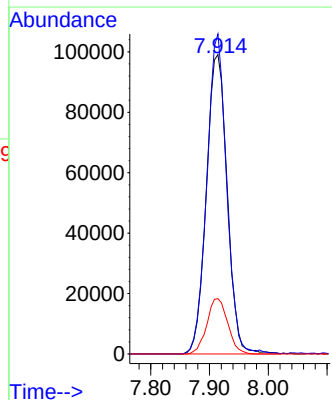
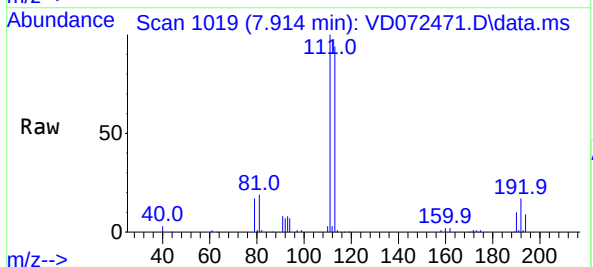
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0330SBL01

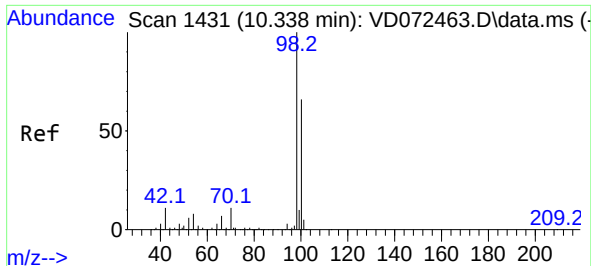
Tgt Ion:114 Resp: 808329  
Ion Ratio Lower Upper  
114 100  
63 20.0 0.0 46.6  
88 16.1 0.0 33.2



#35  
Dibromofluoromethane  
Concen: 38.942 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. 0.000 min  
Lab File: VD072471.D  
Acq: 30 Mar 2022 11:30

Tgt Ion:113 Resp: 244630  
Ion Ratio Lower Upper  
113 100  
111 101.6 83.8 125.6  
192 18.5 14.6 21.8

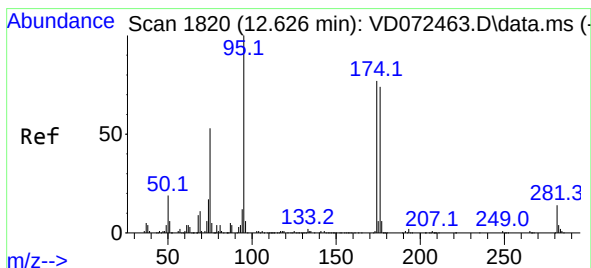
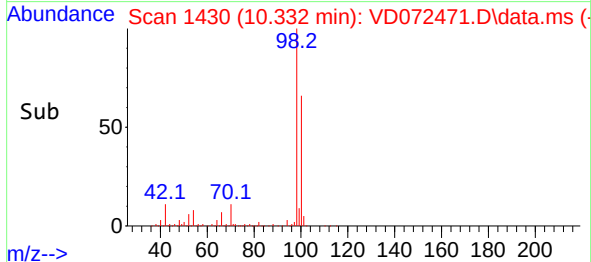
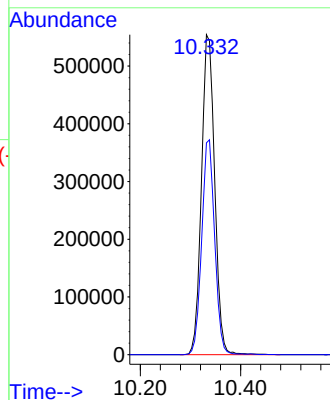
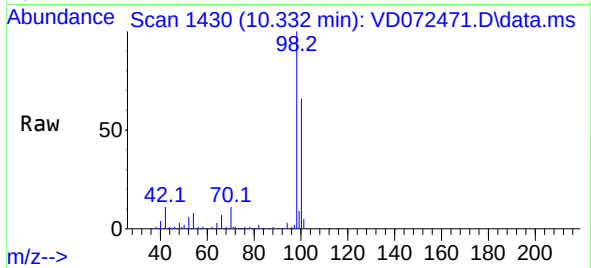




#50  
Toluene-d8  
Concen: 46.391 ug/l  
RT: 10.332 min Scan# 1431  
Delta R.T. -0.006 min  
Lab File: VD072471.D  
Acq: 30 Mar 2022 11:30

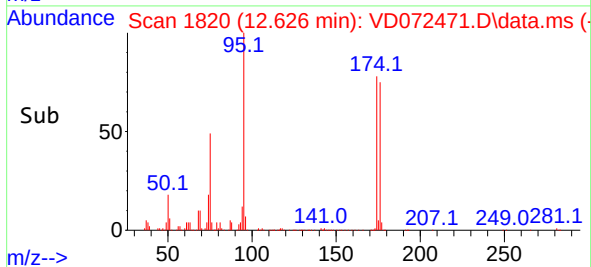
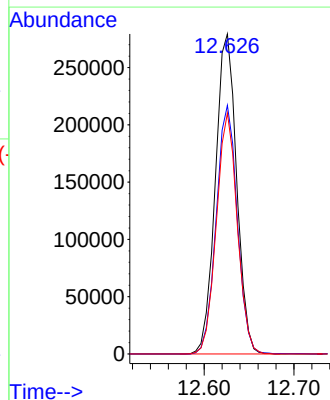
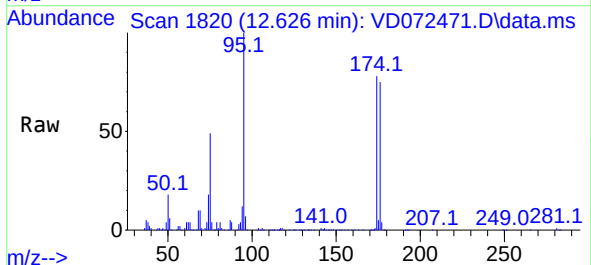
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0330SBL01

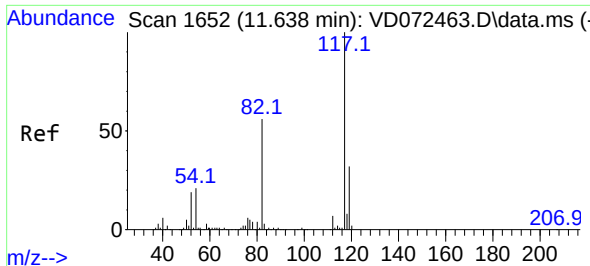
Tgt Ion: 98 Resp: 1012994  
Ion Ratio Lower Upper  
98 100  
100 66.0 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 53.721 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.000 min  
Lab File: VD072471.D  
Acq: 30 Mar 2022 11:30

Tgt Ion: 95 Resp: 458129  
Ion Ratio Lower Upper  
95 100  
174 77.2 0.0 152.8  
176 73.9 0.0 145.4

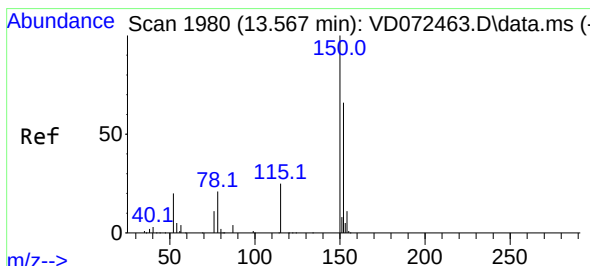
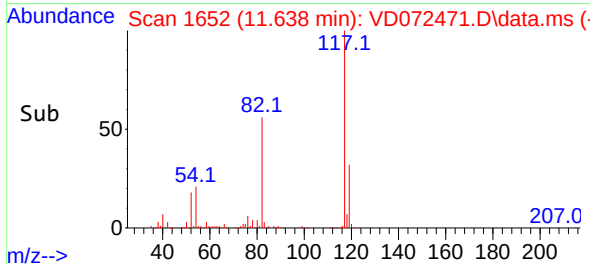
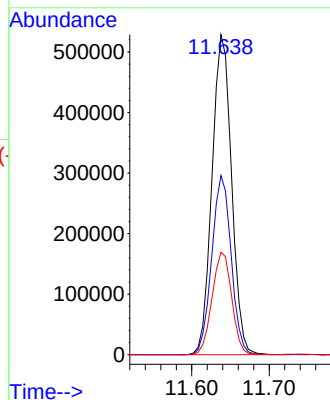
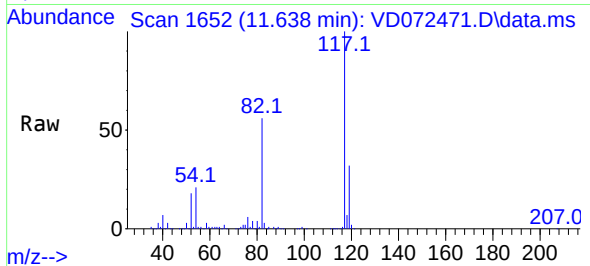




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1179  
Delta R.T. 0.000 min  
Lab File: VD072471.D  
Acq: 30 Mar 2022 11:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0330SBL01

Tgt Ion:117 Resp: 925283  
Ion Ratio Lower Upper  
117 100  
82 56.0 45.3 67.9  
119 32.1 26.6 40.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. -0.006 min  
Lab File: VD072471.D  
Acq: 30 Mar 2022 11:30

Tgt Ion:152 Resp: 476852  
Ion Ratio Lower Upper  
152 100  
115 61.3 31.3 93.8  
150 156.8 0.0 348.6

