

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD052422\  
 Data File : VD073345.D  
 Acq On : 25 May 2022 02:20  
 Operator : VA/SY  
 Sample : N2886-01  
 Misc : 6.64G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 P014-SS002-2430-01

Quant Time: May 25 05:33:18 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       | 7.967  | 168   | 4664     | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.850  | 114   | 7221     | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.638 | 117   | 7556     | 50.000   | ug/l       | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4  | 13.555 | 152   | 3082     | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 3680     | 71.396   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 142.800% |          |
| 35) Dibromofluoromethane    | 7.908  | 113   | 3360     | 70.516   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 141.040% |          |
| 50) Toluene-d8              | 10.332 | 98    | 8595     | 48.934   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 97.860%  |          |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 3282     | 53.243   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 106.480% |          |

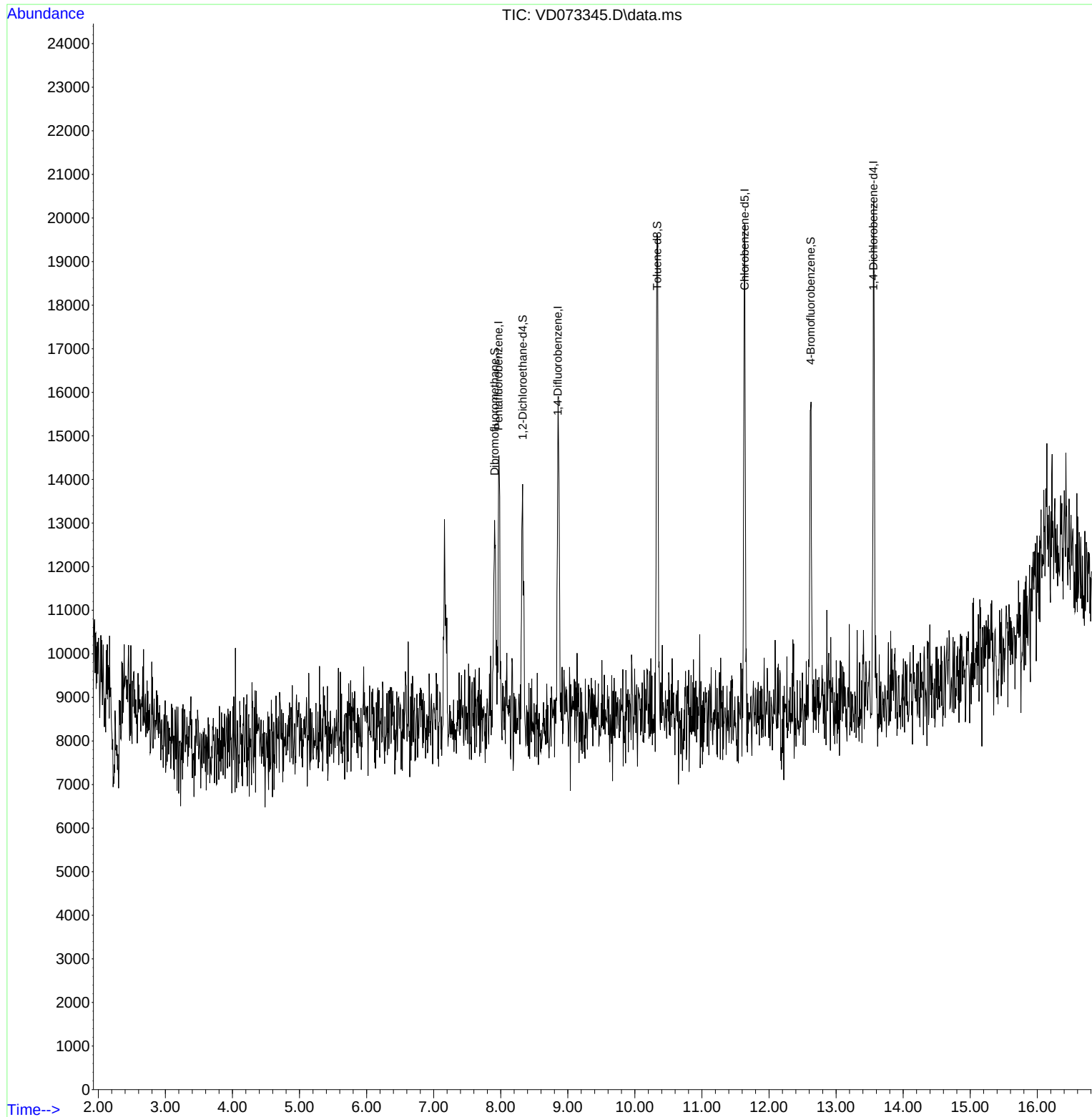
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

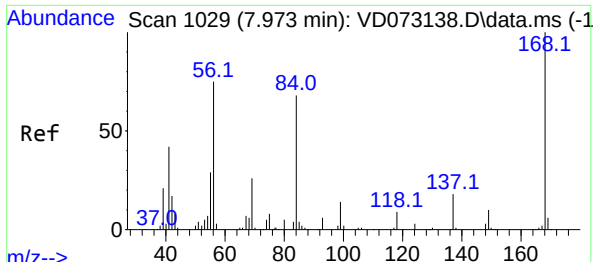
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD052422\  
Data File : VD073345.D  
Acq On : 25 May 2022 02:20  
Operator : VA/SY  
Sample : N2886-01  
Misc : 6.64G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
P014-SS002-2430-01

Quant Time: May 25 05:33:18 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





Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.006 min

Lab File: VD073345.D

Acq: 25 May 2022 02:20

Instrument :

MSVOA\_D

ClientSampleId :

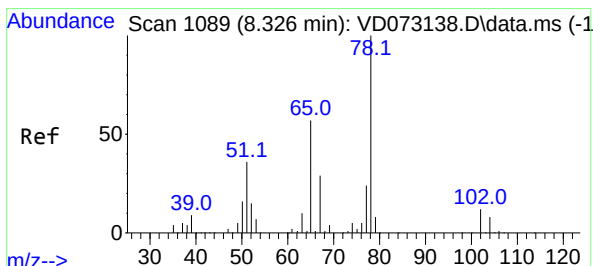
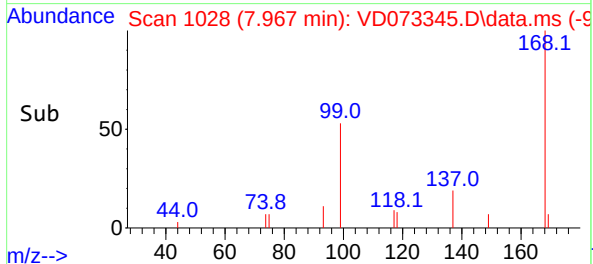
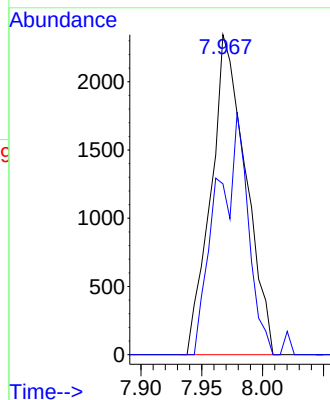
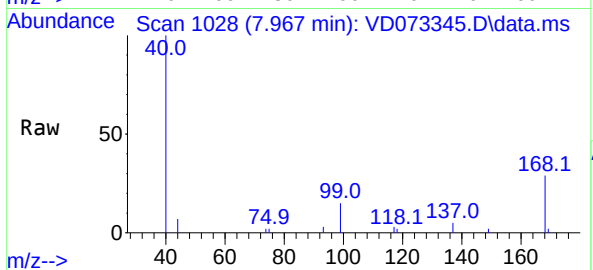
P014-SS002-2430-01

Tgt Ion:168 Resp: 4664

Ion Ratio Lower Upper

168 100

99 53.4 49.8 74.6



1,2-Dichloroethane-d4

Concen: 71.396 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD073345.D

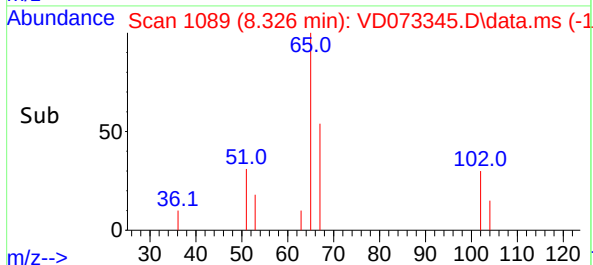
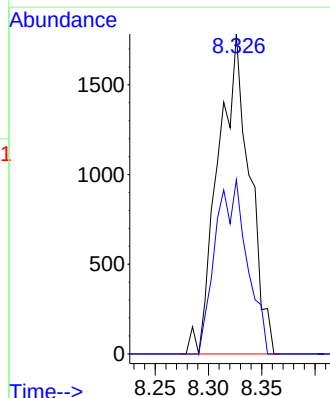
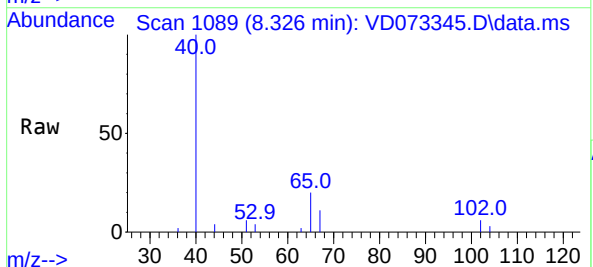
Acq: 25 May 2022 02:20

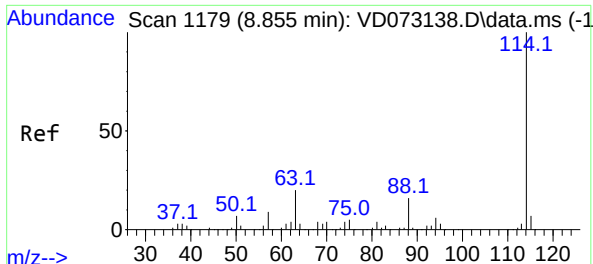
Tgt Ion: 65 Resp: 3680

Ion Ratio Lower Upper

65 100

67 54.5 0.0 101.4



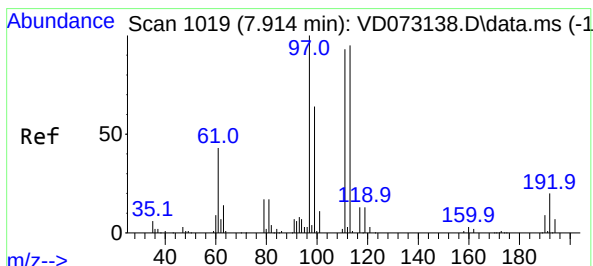
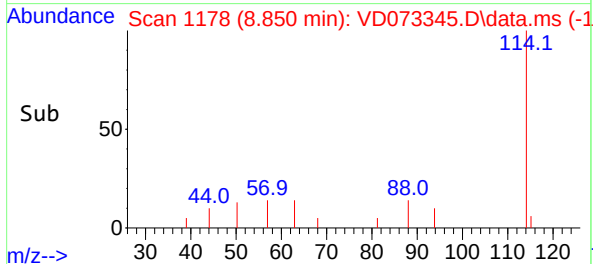
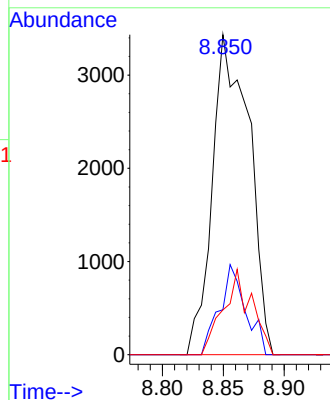
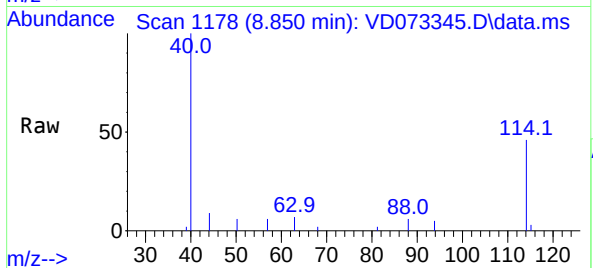


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.850 min Scan# 1179  
Delta R.T. -0.005 min  
Lab File: VD073345.D  
Acq: 25 May 2022 02:20

Instrument :  
MSVOA\_D  
ClientSampleId :  
P014-SS002-2430-01

Tgt Ion:114 Resp: 7221

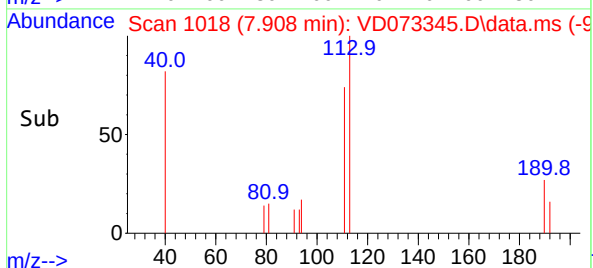
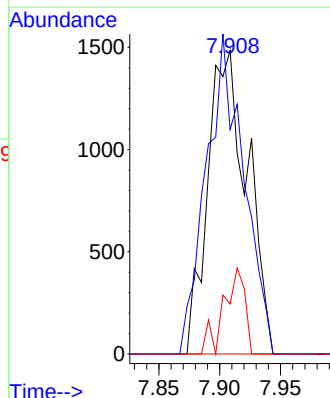
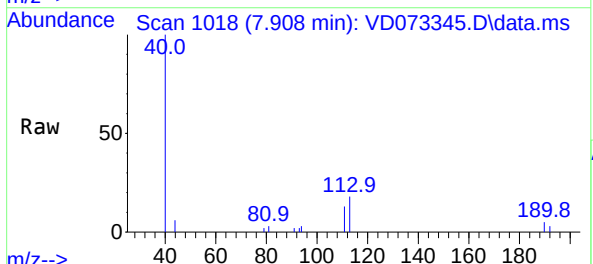
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 14.0  | 0.0   | 46.6  |
| 88  | 14.0  | 0.0   | 33.2  |

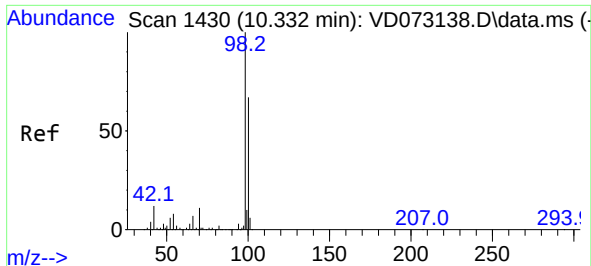


#35  
Dibromofluoromethane  
Concen: 70.516 ug/l  
RT: 7.908 min Scan# 1018  
Delta R.T. -0.006 min  
Lab File: VD073345.D  
Acq: 25 May 2022 02:20

Tgt Ion:113 Resp: 3360

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 99.6  | 83.8  | 125.6 |
| 192 | 15.1  | 14.6  | 21.8  |

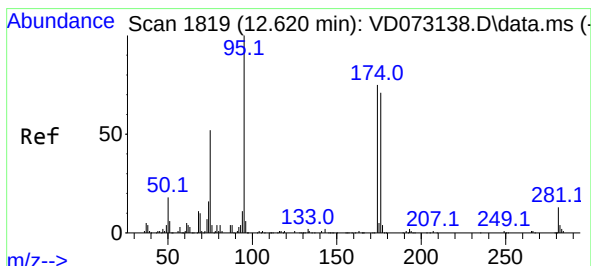
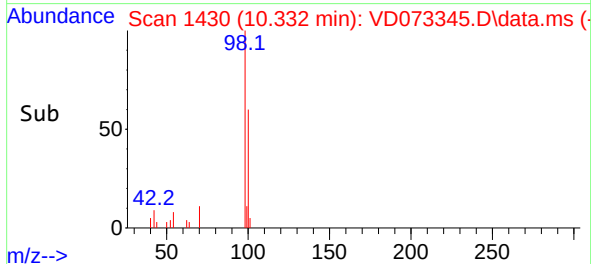
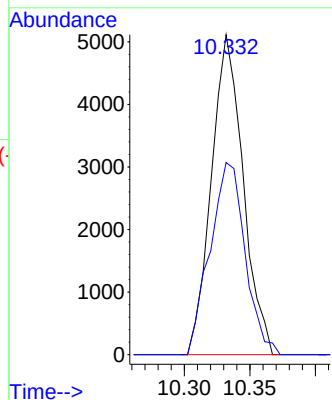
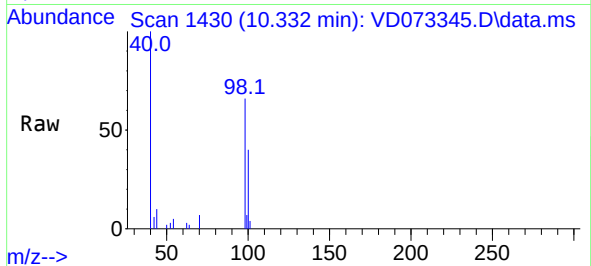




#50  
Toluene-d8  
Concen: 48.934 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD073345.D  
Acq: 25 May 2022 02:20

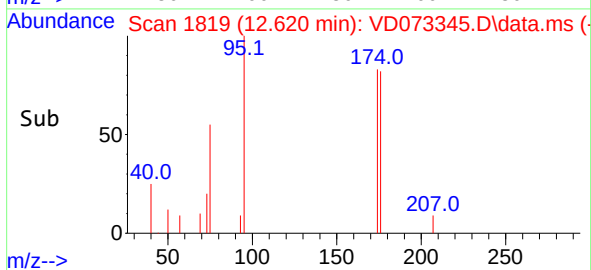
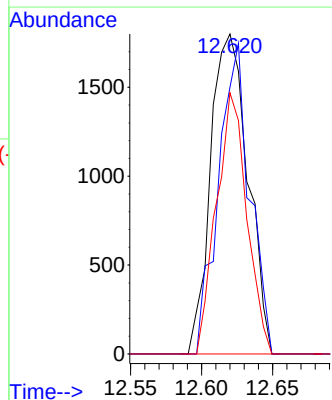
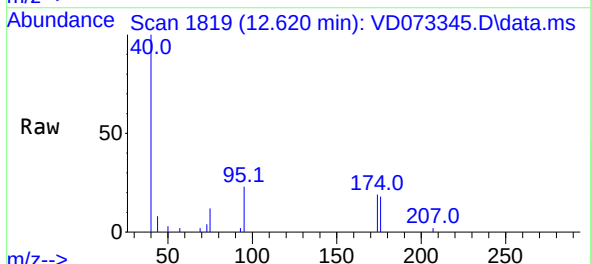
Instrument :  
MSVOA\_D  
ClientSampleId :  
P014-SS002-2430-01

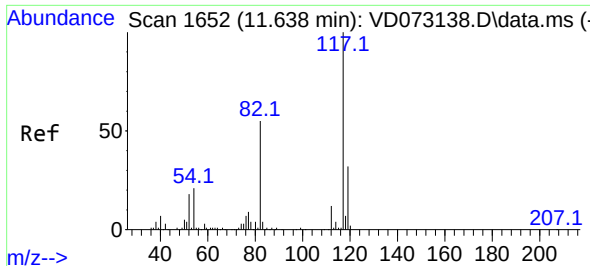
Tgt Ion: 98 Resp: 8595  
Ion Ratio Lower Upper  
98 100  
100 66.5 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 53.243 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.000 min  
Lab File: VD073345.D  
Acq: 25 May 2022 02:20

Tgt Ion: 95 Resp: 3282  
Ion Ratio Lower Upper  
95 100  
174 81.6 0.0 152.8  
176 66.6 0.0 145.4

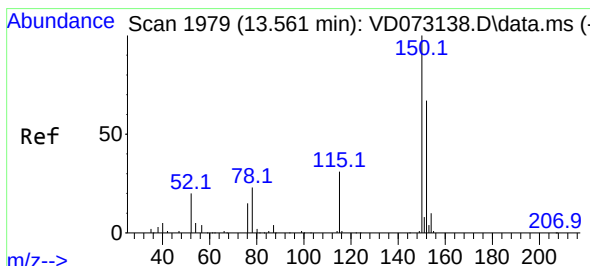
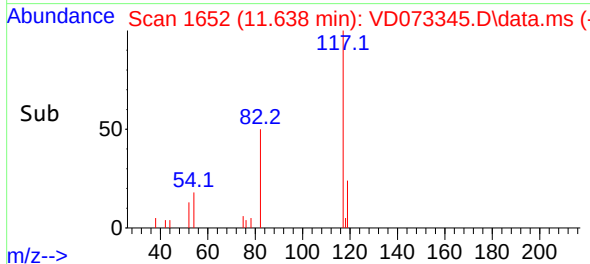
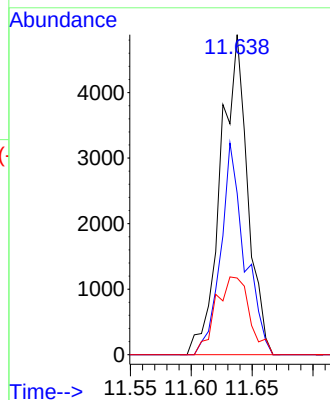
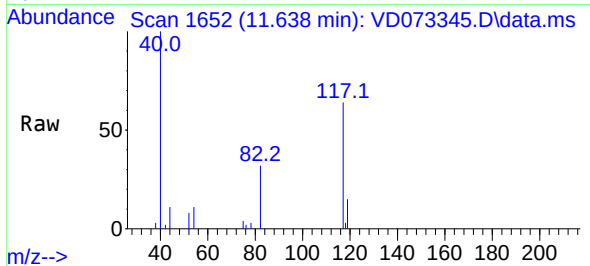




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VD073345.D  
Acq: 25 May 2022 02:20

Instrument :  
MSVOA\_D  
ClientSampleId :  
P014-SS002-2430-01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 7556  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 50.5  | 45.3  | 67.9  |
| 119      | 23.9  | 26.6  | 40.0  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.555 min Scan# 1978  
Delta R.T. -0.006 min  
Lab File: VD073345.D  
Acq: 25 May 2022 02:20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 3082  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 60.5  | 31.3  | 93.8  |
| 150      | 158.3 | 0.0   | 348.6 |

