

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD102721\  
 Data File : VD070867.D  
 Acq On : 27 Oct 2021 16:44  
 Operator : VA/SY  
 Sample : M4358-04  
 Misc : 5.80G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TH-FD

Quant Time: Oct 28 03:57:38 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D102621S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 27 05:34:47 2021  
 Response via : Initial Calibration

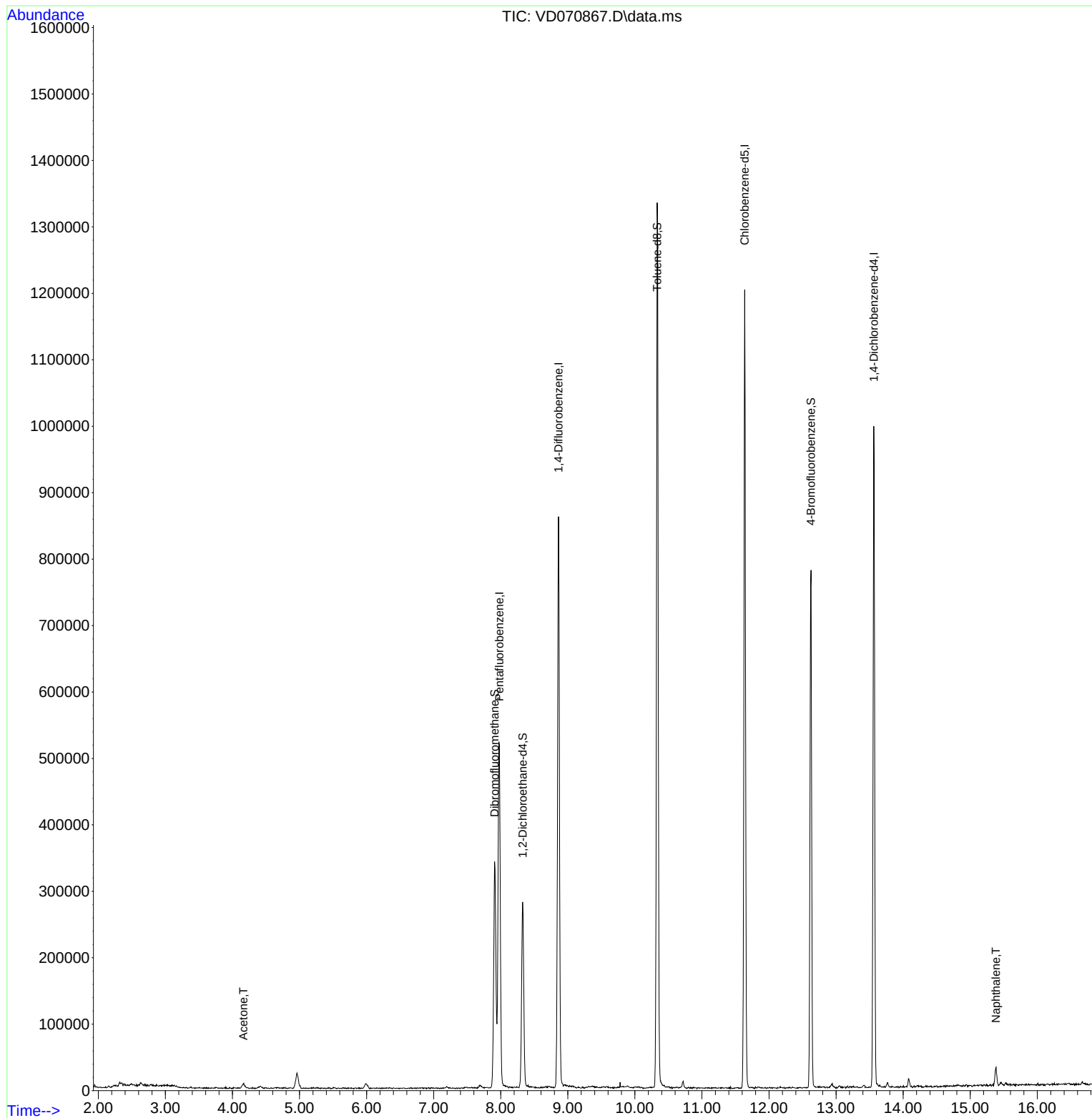
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.979  | 168   | 409991   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.861  | 114   | 726521   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.638 | 117   | 701721   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.561 | 152   | 278018   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 216248   | 52.443   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 104.880% |          |
| 35) Dibromofluoromethane    | 7.909  | 113   | 244291   | 50.997   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 102.000% |          |
| 50) Toluene-d8              | 10.332 | 98    | 936502   | 51.965   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 103.920% |          |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 271898   | 45.726   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 91.460%  |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          | Qvalue     |          |
| 16) Acetone                 | 4.162  | 43    | 11326    | 11.806   | ug/l #     | 86       |
| 95) Naphthalene             | 15.385 | 128   | 24766    | 6.727    | ug/l       | 100      |
| -----                       |        |       |          |          |            |          |

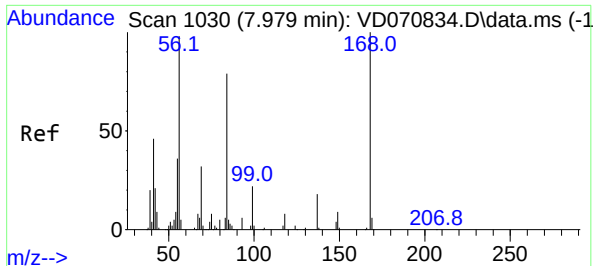
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD102721\  
Data File : VD070867.D  
Acq On : 27 Oct 2021 16:44  
Operator : VA/SY  
Sample : M4358-04  
Misc : 5.80G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
TH-FD

Quant Time: Oct 28 03:57:38 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D102621S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 27 05:34:47 2021  
Response via : Initial Calibration

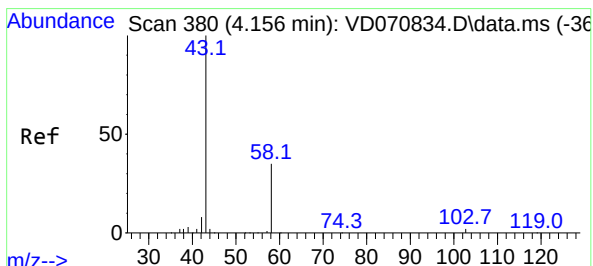
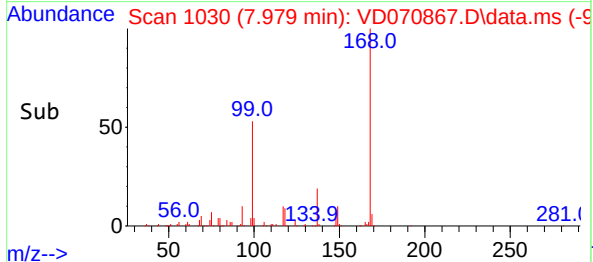
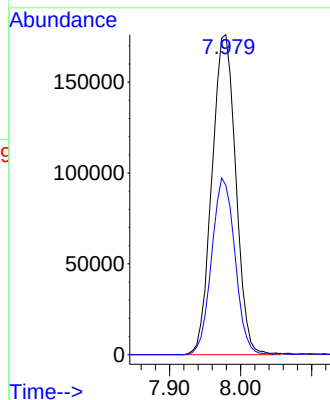
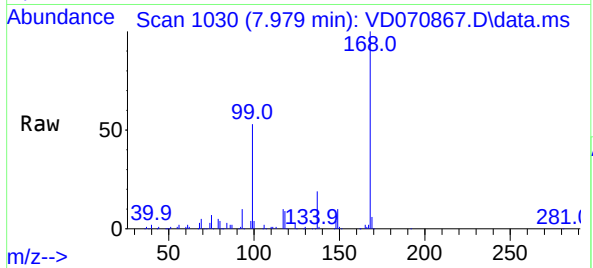




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. 0.000 min  
Lab File: VD070867.D  
Acq: 27 Oct 2021 16:44

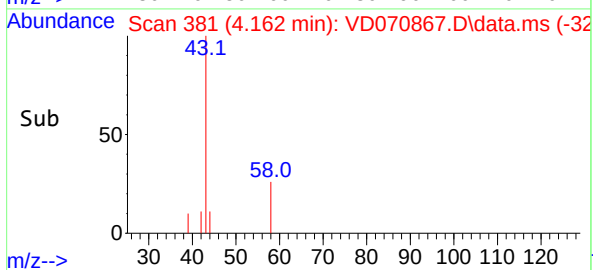
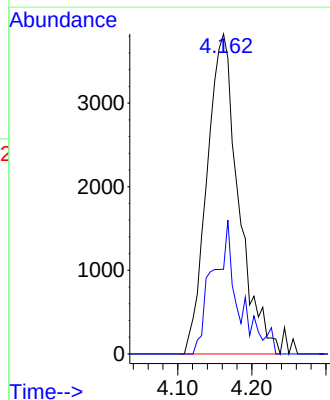
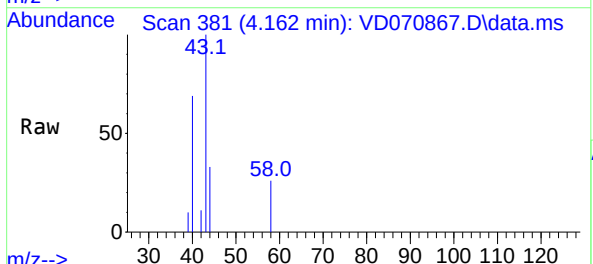
Instrument :  
MSVOA\_D  
ClientSampleId :  
TH-FD

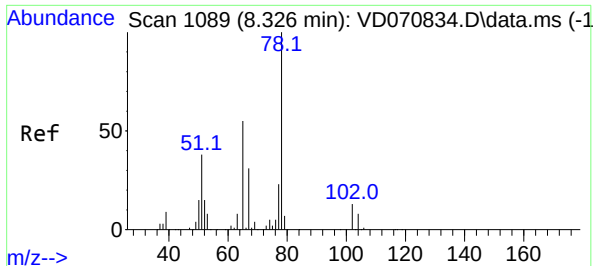
Tgt Ion:168 Resp: 409991  
Ion Ratio Lower Upper  
168 100  
99 53.0 46.6 69.8



#16  
Acetone  
Concen: 11.806 ug/l  
RT: 4.162 min Scan# 381  
Delta R.T. 0.006 min  
Lab File: VD070867.D  
Acq: 27 Oct 2021 16:44

Tgt Ion: 43 Resp: 11326  
Ion Ratio Lower Upper  
43 100  
58 26.4 27.8 41.8#

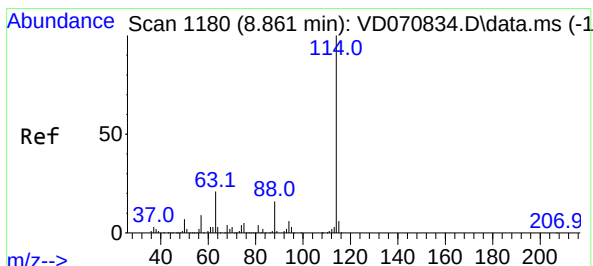
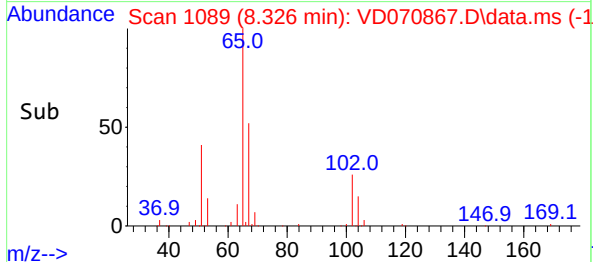
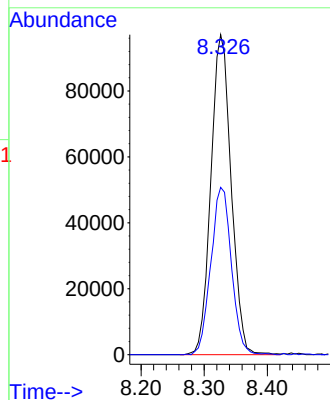
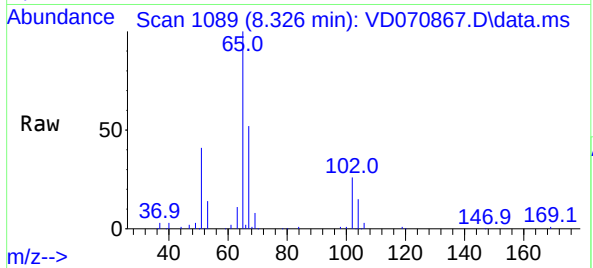




#33  
1,2-Dichloroethane-d4  
Concen: 52.443 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. 0.000 min  
Lab File: VD070867.D  
Acq: 27 Oct 2021 16:44

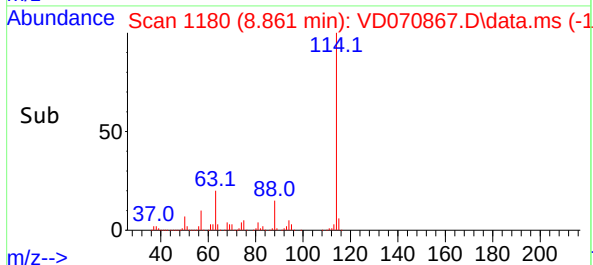
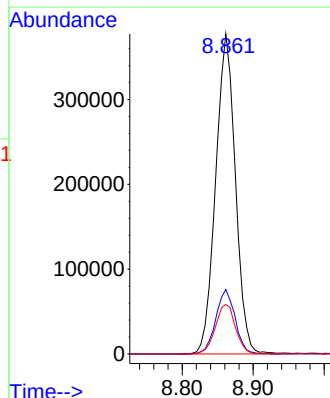
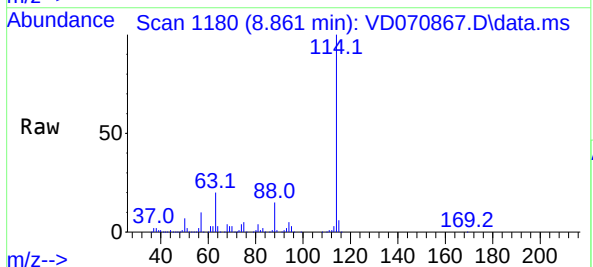
Instrument :  
MSVOA\_D  
ClientSampleId :  
TH-FD

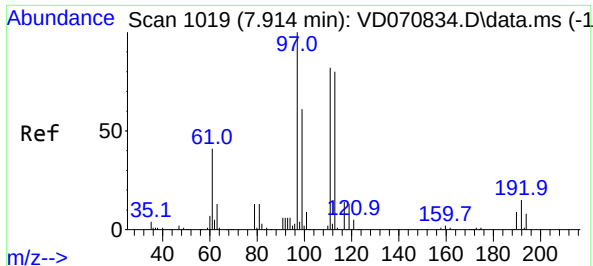
Tgt Ion: 65 Resp: 216248  
Ion Ratio Lower Upper  
65 100  
67 53.1 0.0 112.2



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. 0.000 min  
Lab File: VD070867.D  
Acq: 27 Oct 2021 16:44

Tgt Ion: 114 Resp: 726521  
Ion Ratio Lower Upper  
114 100  
63 20.1 0.0 41.8  
88 15.4 0.0 32.8

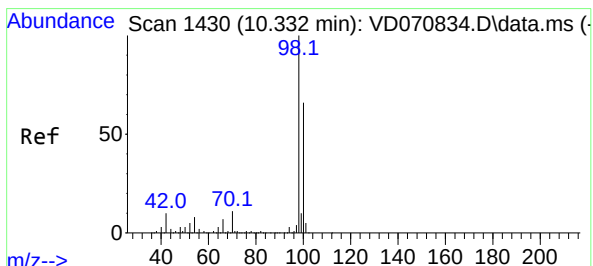
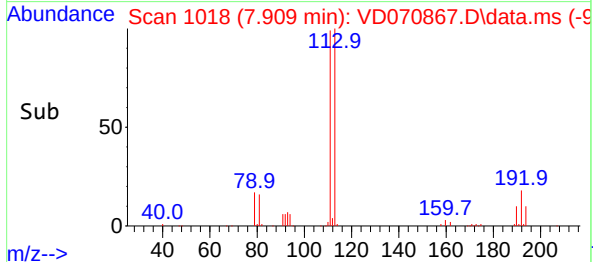
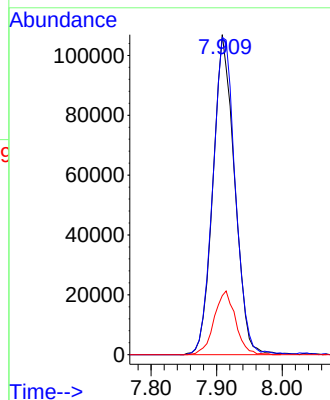
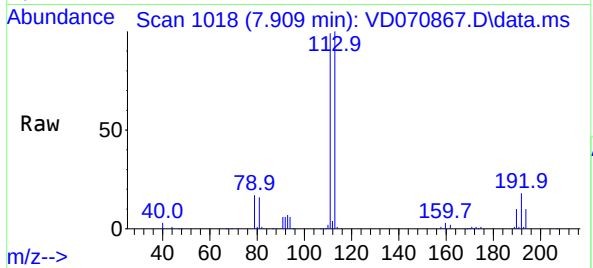




#35  
Dibromofluoromethane  
Concen: 50.997 ug/l  
RT: 7.909 min Scan# 1018  
Delta R.T. -0.006 min  
Lab File: VD070867.D  
Acq: 27 Oct 2021 16:44

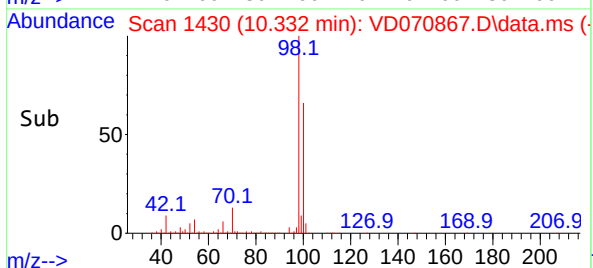
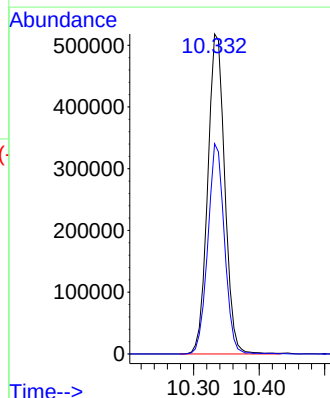
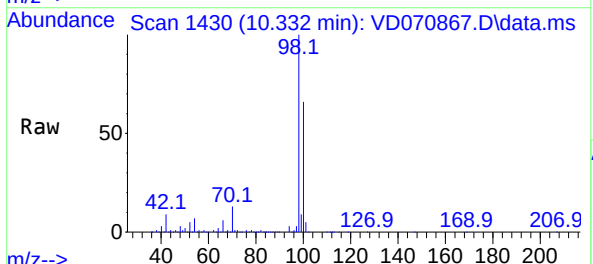
Instrument :  
MSVOA\_D  
ClientSampleId :  
TH-FD

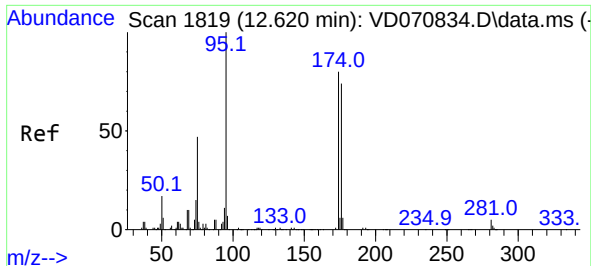
Tgt Ion:113 Resp: 244291  
Ion Ratio Lower Upper  
113 100  
111 103.0 82.0 123.0  
192 19.8 15.2 22.8



#50  
Toluene-d8  
Concen: 51.965 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. 0.000 min  
Lab File: VD070867.D  
Acq: 27 Oct 2021 16:44

Tgt Ion: 98 Resp: 936502  
Ion Ratio Lower Upper  
98 100  
100 64.0 51.8 77.6



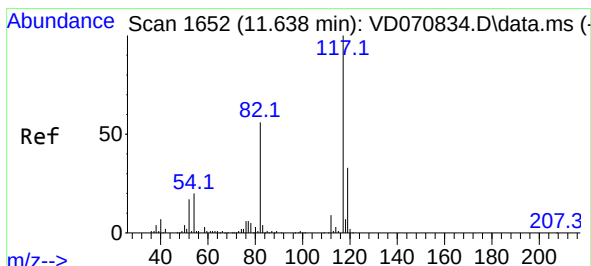
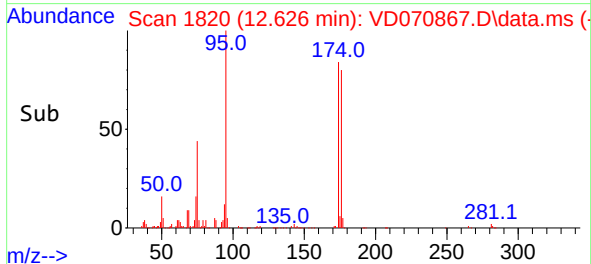
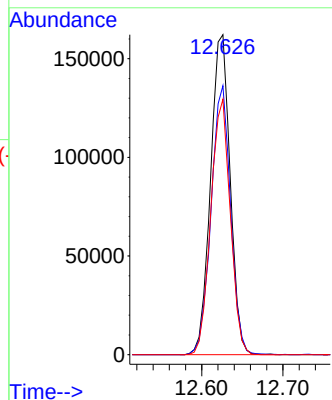
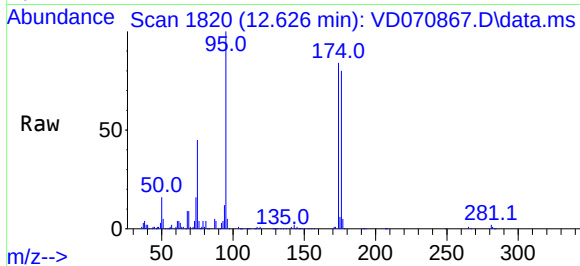


#62  
4-Bromofluorobenzene  
Concen: 45.726 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.006 min  
Lab File: VD070867.D  
Acq: 27 Oct 2021 16:44

Instrument :  
MSVOA\_D  
ClientSampleId :  
TH-FD

Tgt Ion: 95 Resp: 271898

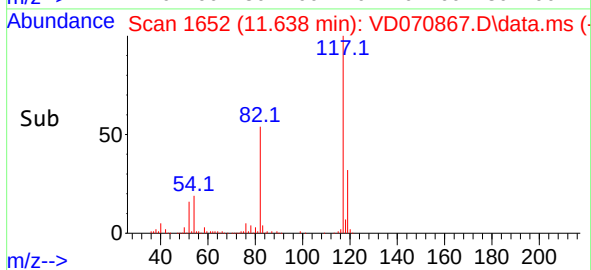
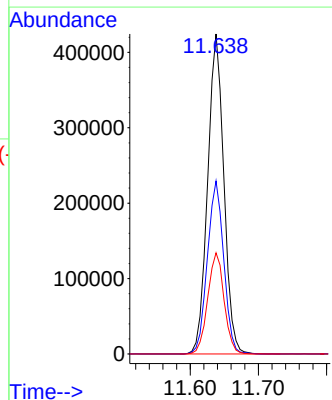
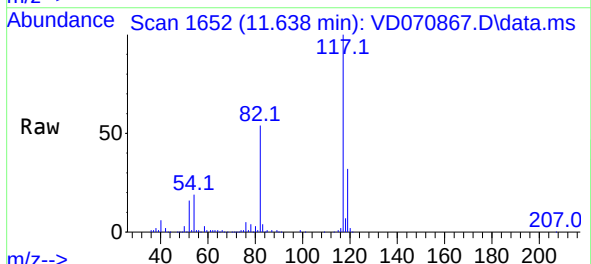
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 174 | 83.4  | 0.0   | 159.4 |
| 176 | 79.2  | 0.0   | 154.0 |

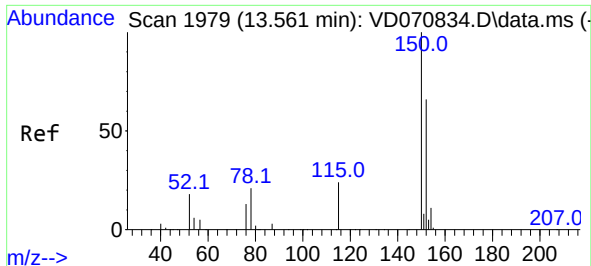


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. 0.000 min  
Lab File: VD070867.D  
Acq: 27 Oct 2021 16:44

Tgt Ion: 117 Resp: 701721

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 54.1  | 44.7  | 67.1  |
| 119 | 31.6  | 26.2  | 39.4  |

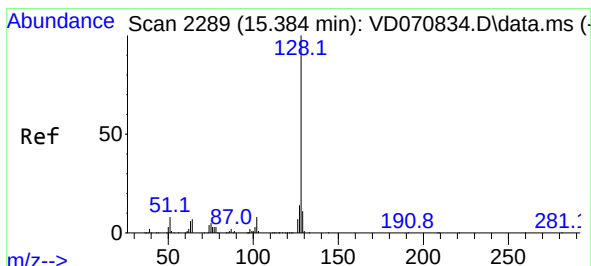
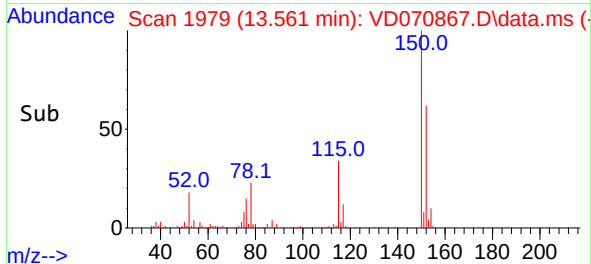
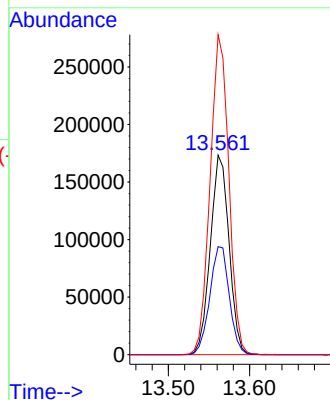
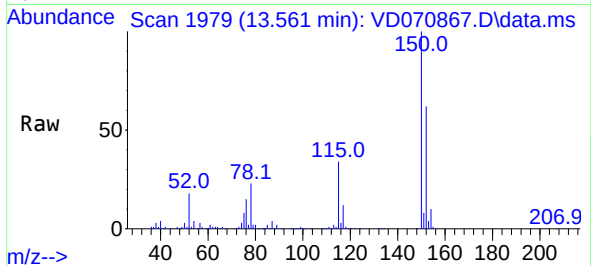




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. 0.000 min  
Lab File: VD070867.D  
Acq: 27 Oct 2021 16:44

Instrument :  
MSVOA\_D  
ClientSampleId :  
TH-FD

Tgt Ion:152 Resp: 278018  
Ion Ratio Lower Upper  
152 100  
115 56.3 29.8 89.3  
150 160.0 0.0 349.2



#95  
Naphthalene  
Concen: 6.727 ug/l  
RT: 15.385 min Scan# 2289  
Delta R.T. 0.001 min  
Lab File: VD070867.D  
Acq: 27 Oct 2021 16:44

Tgt Ion:128 Resp: 24766  
Ion Ratio Lower Upper  
128 100  
127 13.4 10.7 16.1  
129 10.8 8.7 13.1

