

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD030121\  
 Data File : VD068476.D  
 Acq On : 01 Mar 2021 12:57  
 Operator : VA/SY  
 Sample : M1509-01  
 Misc : 6.96G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 BU-02-022621

Quant Time: Mar 01 20:46:33 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D022621S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 26 14:04:14 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.979  | 168   | 394679   | 50.00    | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.867  | 114   | 707858   | 50.00    | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.644 | 117   | 656546   | 50.00    | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.573 | 152   | 282998   | 50.00    | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.338  | 65    | 200392   | 50.82    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 101.64%  |
| 35) Dibromofluoromethane    | 7.914  | 113   | 214886   | 50.39    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 100.78%  |
| 50) Toluene-d8              | 10.344 | 98    | 871716   | 51.32    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 102.64%  |
| 62) 4-Bromofluorobenzene    | 12.632 | 95    | 272572   | 49.80    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 99.60%   |

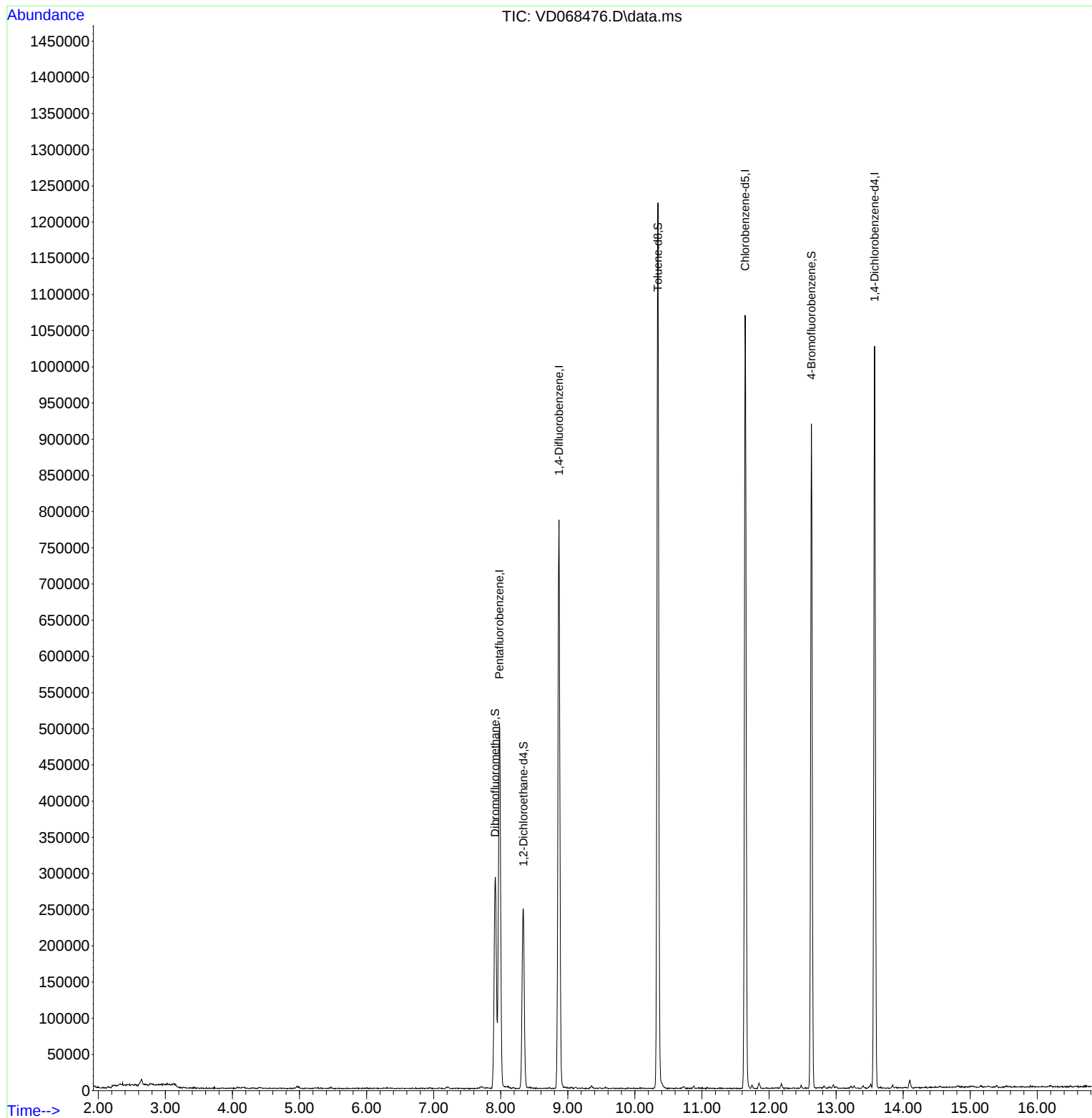
|                  |        |
|------------------|--------|
| Target Compounds | Qvalue |
| -----            |        |

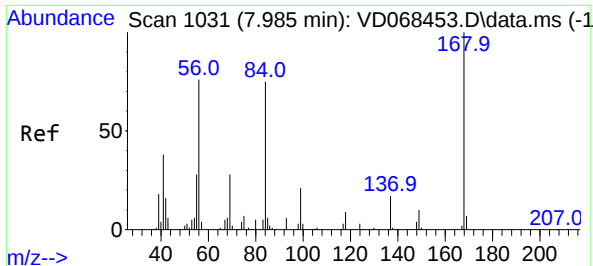
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 7 Sample Multiplier: 1

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D022621S.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 26 14:04:14 2021  
Response via : Initial Calibration

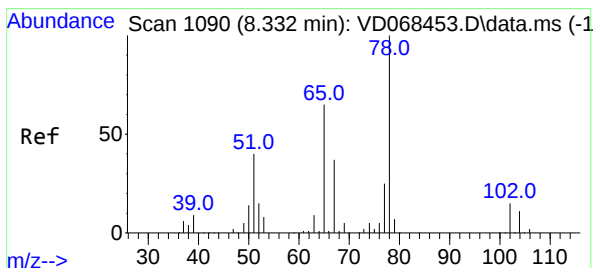
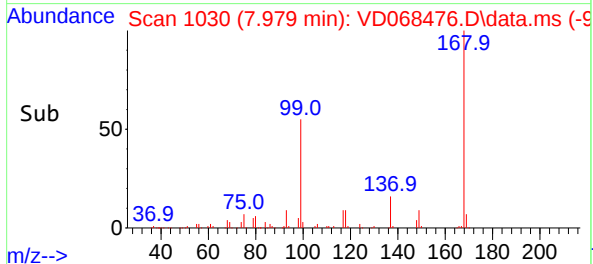
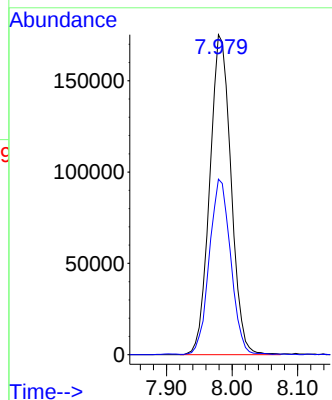
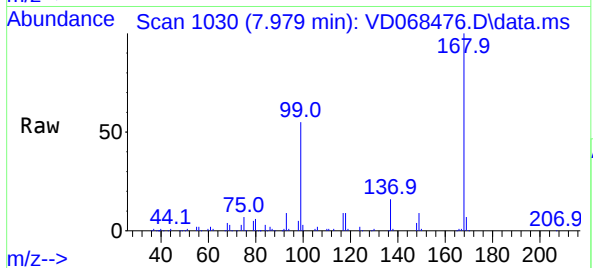




Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: VD068476.D  
Acq: 01 Mar 2021 12:57

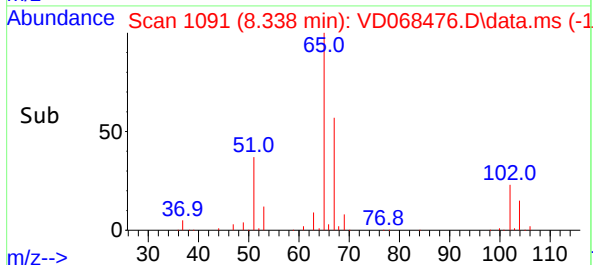
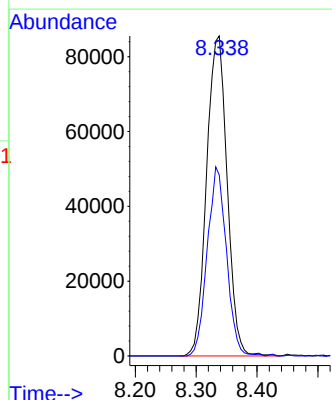
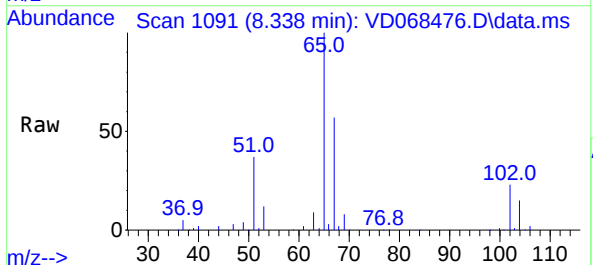
Instrument :  
MSVOA\_D  
ClientSampleId :  
BU-02-022621

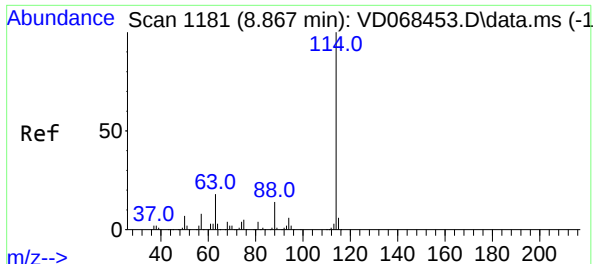
Tgt Ion:168 Resp: 394679  
Ion Ratio Lower Upper  
168 100  
99 54.7 43.5 65.3



1,2-Dichloroethane-d4  
Concen: 50.82 ug/l  
RT: 8.338 min Scan# 1091  
Delta R.T. 0.006 min  
Lab File: VD068476.D  
Acq: 01 Mar 2021 12:57

Tgt Ion: 65 Resp: 200392  
Ion Ratio Lower Upper  
65 100  
67 55.2 0.0 105.0

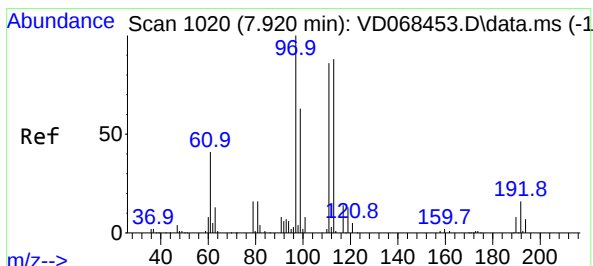
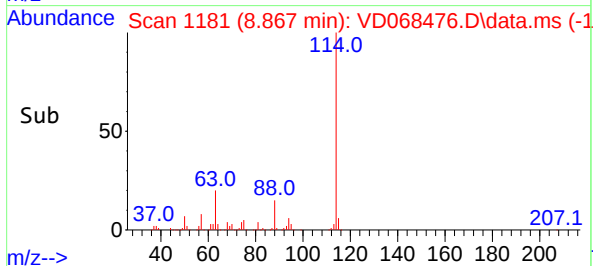
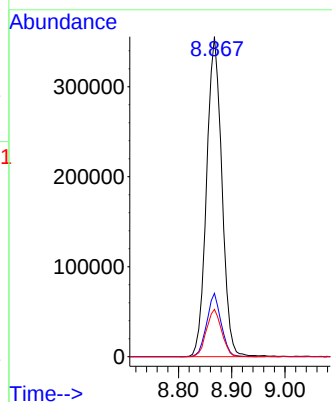
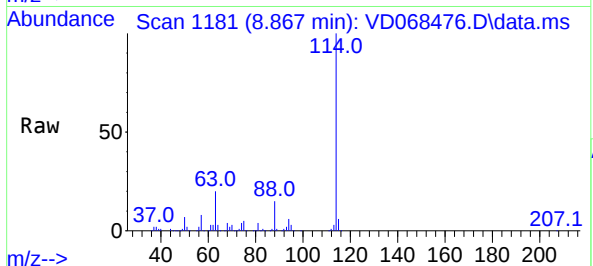




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VD068476.D  
Acq: 01 Mar 2021 12:57

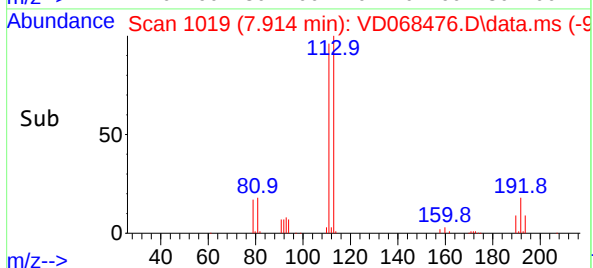
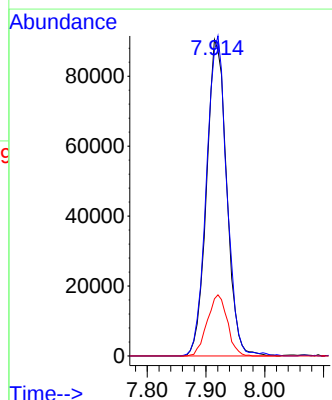
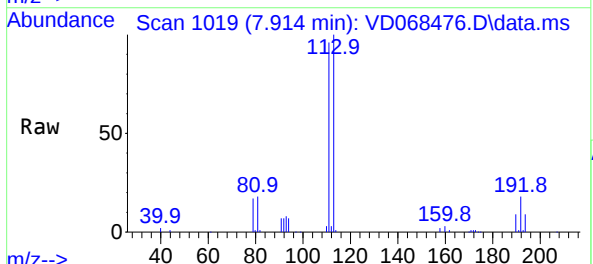
Instrument :  
MSVOA\_D  
ClientSampleId :  
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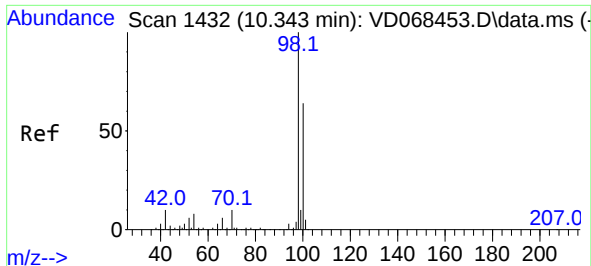
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 707858 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 19.8  | 0.0   | 34.8   |
| 88       | 14.8  | 0.0   | 31.6   |



#35  
Dibromofluoromethane  
Concen: 50.39 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.005 min  
Lab File: VD068476.D  
Acq: 01 Mar 2021 12:57

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 214886 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 102.3 | 81.4  | 122.0  |
| 192      | 19.3  | 16.1  | 24.1   |

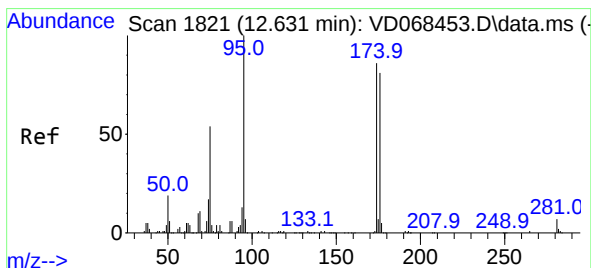
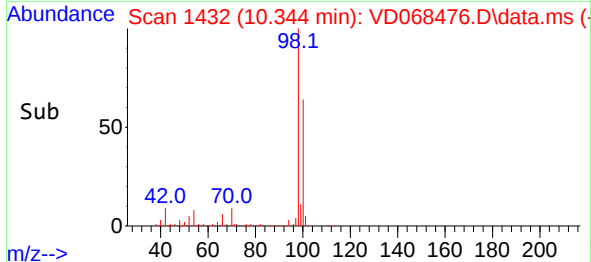
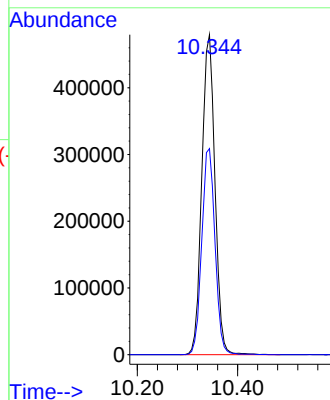
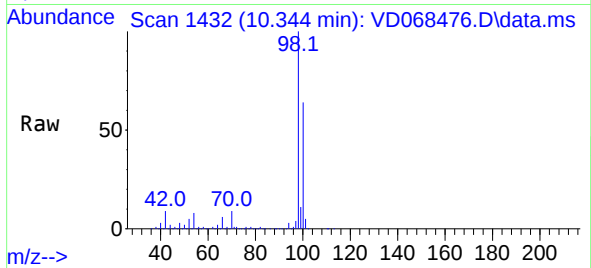




#50  
Toluene-d8  
Concen: 51.32 ug/l  
RT: 10.344 min Scan# 1432  
Delta R.T. 0.000 min  
Lab File: VD068476.D  
Acq: 01 Mar 2021 12:57

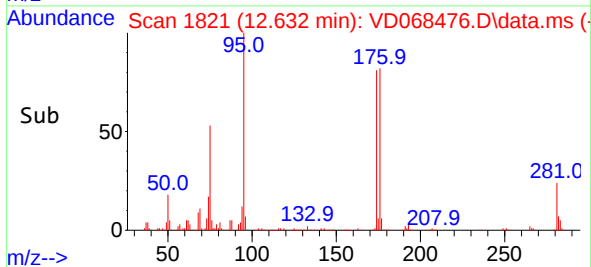
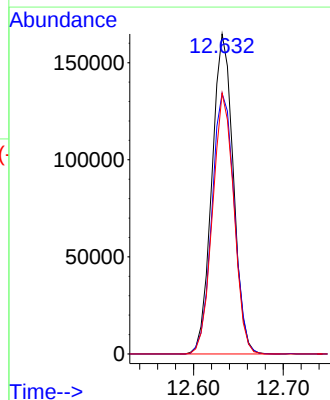
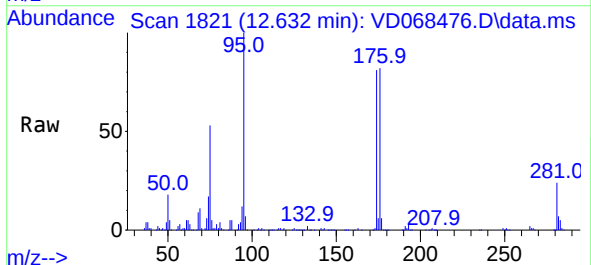
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MSVOA\_D  
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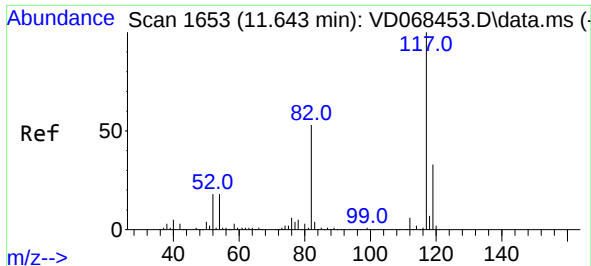
Tgt Ion: 98 Resp: 871716  
Ion Ratio Lower Upper  
98 100  
100 65.1 53.0 79.4



#62  
4-Bromofluorobenzene  
Concen: 49.80 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.000 min  
Lab File: VD068476.D  
Acq: 01 Mar 2021 12:57

Tgt Ion: 95 Resp: 272572  
Ion Ratio Lower Upper  
95 100  
174 85.0 0.0 172.4  
176 81.0 0.0 168.4

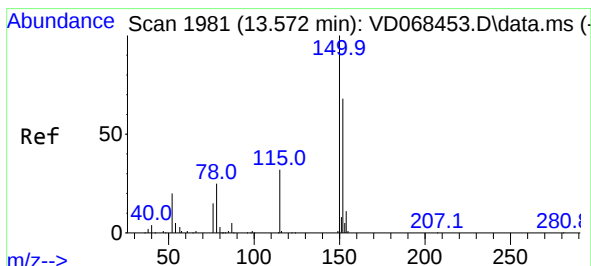
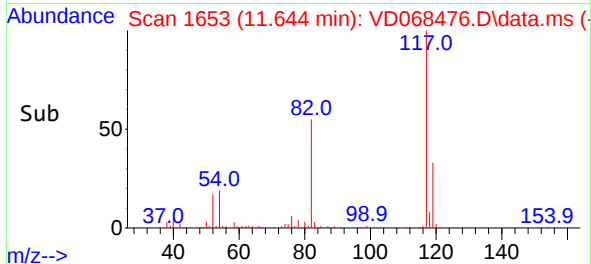
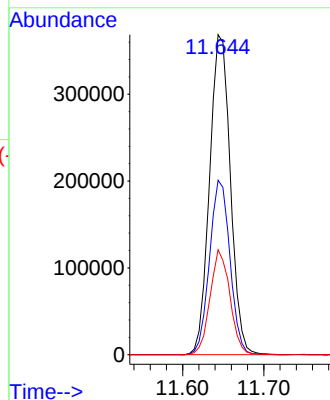
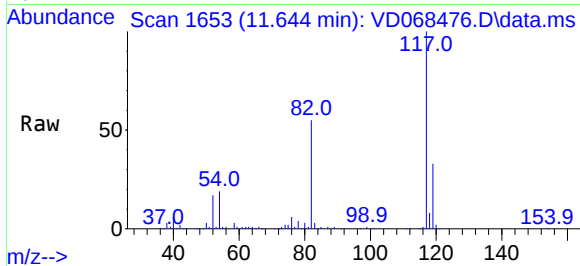




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.644 min Scan# 1653  
Delta R.T. 0.000 min  
Lab File: VD068476.D  
Acq: 01 Mar 2021 12:57

Instrument :  
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ClientSampleId :  
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|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 656546 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 54.5  | 41.4  | 62.0   |
| 119      | 32.8  | 26.1  | 39.1   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.573 min Scan# 1981  
Delta R.T. 0.001 min  
Lab File: VD068476.D  
Acq: 01 Mar 2021 12:57

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 282998 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 57.5  | 28.9  | 86.8   |
| 150      | 156.4 | 0.0   | 344.4  |

