

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD042921\  
 Data File : VD069030.D  
 Acq On : 29 Apr 2021 20:48  
 Operator : VA/SY  
 Sample : M2225-01  
 Misc : 7.66G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 HD-02-042921

Quant Time: Apr 30 02:58:39 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D040721S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 08 03:50:31 2021  
 Response via : Initial Calibration

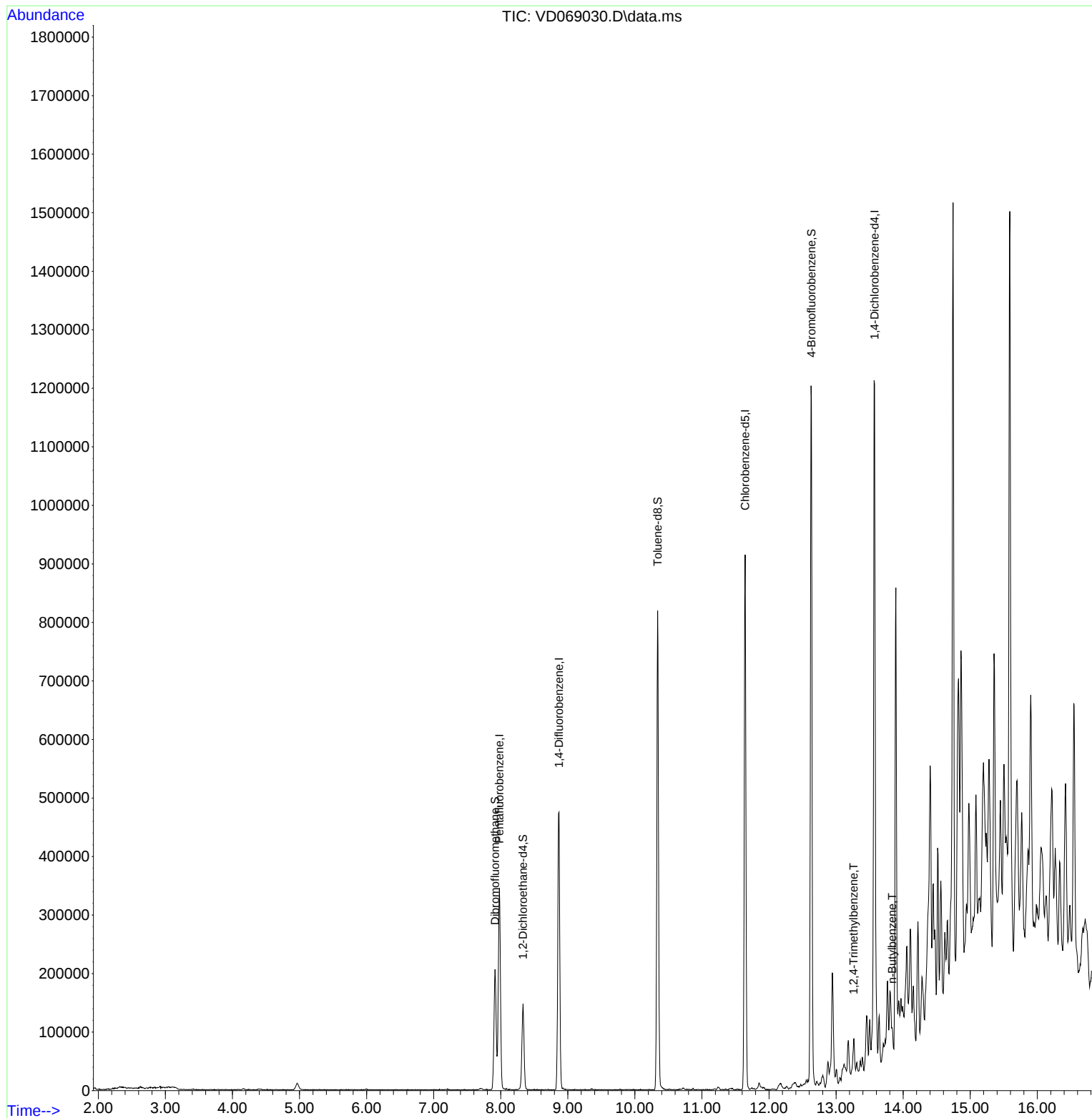
| Compound                    | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|----------|--------|----------|
| -----                       |                |      |            |          |        |          |
| Internal Standards          |                |      |            |          |        |          |
| 1) Pentafluorobenzene       | 7.979          | 168  | 264772     | 50.00    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.867          | 114  | 446372     | 50.00    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.644         | 117  | 563889     | 50.00    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.573         | 152  | 321877     | 50.00    | ug/l   | 0.00     |
|                             |                |      |            |          |        |          |
| System Monitoring Compounds |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.332          | 65   | 111665     | 39.91    | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 50 - 163 |      | Recovery = | 79.82%   |        |          |
| 35) Dibromofluoromethane    | 7.914          | 113  | 142602     | 49.12    | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 54 - 147 |      | Recovery = | 98.24%   |        |          |
| 50) Toluene-d8              | 10.338         | 98   | 577442     | 52.72    | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 49 - 140 |      | Recovery = | 105.44%  |        |          |
| 62) 4-Bromofluorobenzene    | 12.632         | 95   | 278422     | 76.54    | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 25 - 144 |      | Recovery = | 153.08%# |        |          |
|                             |                |      |            |          |        |          |
| Target Compounds            |                |      |            |          |        | Qvalue   |
| 84) 1,2,4-Trimethylbenzene  | 13.261         | 105  | 37246      | 1.88     | ug/l   | 95       |
| 89) n-Butylbenzene          | 13.838         | 91   | 21443      | 1.06     | ug/l # | 76       |
| -----                       |                |      |            |          |        |          |

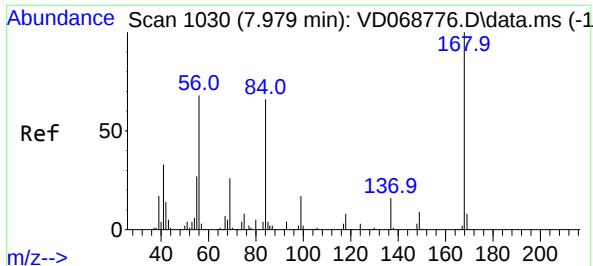
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : M2225-01  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D040721S.M  
Quant Title : SW846 8260  
QLast Update : Thu Apr 08 03:50:31 2021  
Response via : Initial Calibration

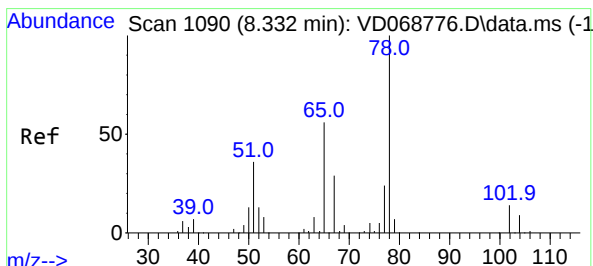
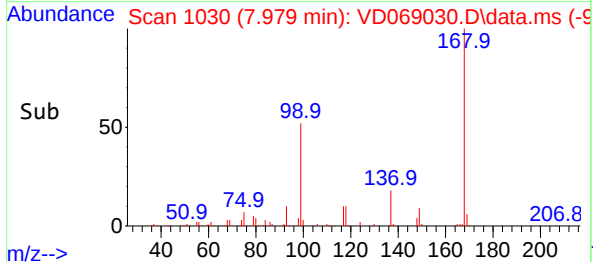
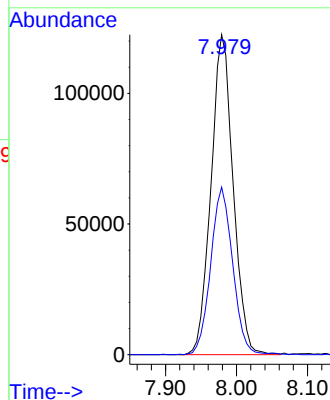
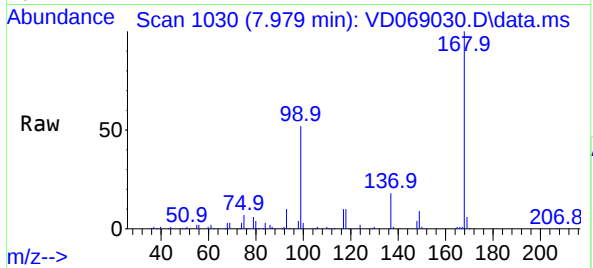




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. 0.000 min  
Lab File: VD069030.D  
Acq: 29 Apr 2021 20:48

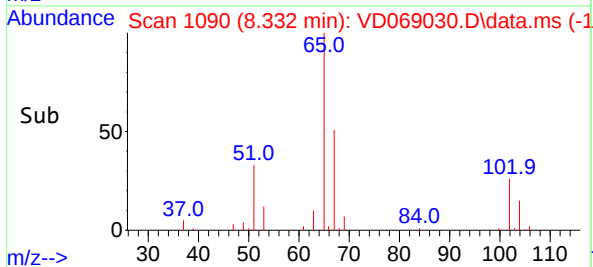
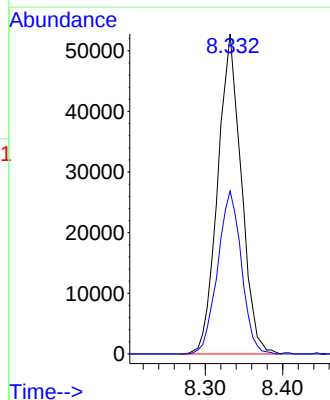
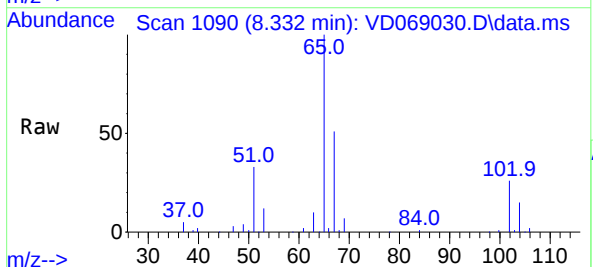
Instrument :  
MSVOA\_D  
ClientSampleId :  
HD-02-042921

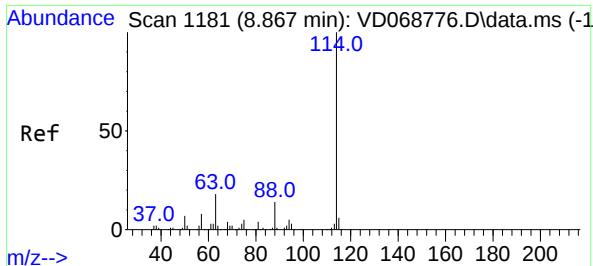
Tgt Ion:168 Resp: 264772  
Ion Ratio Lower Upper  
168 100  
99 52.2 46.2 69.2



#33  
1,2-Dichloroethane-d4  
Concen: 39.91 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. -0.000 min  
Lab File: VD069030.D  
Acq: 29 Apr 2021 20:48

Tgt Ion: 65 Resp: 111665  
Ion Ratio Lower Upper  
65 100  
67 51.3 0.0 106.0



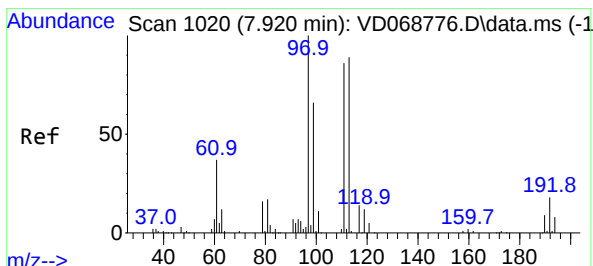
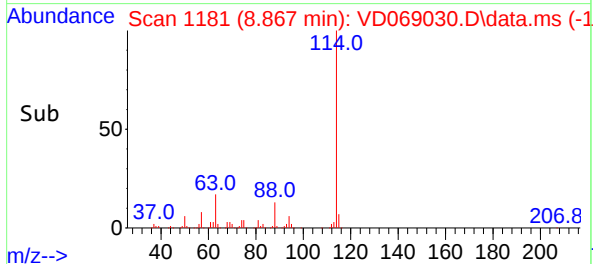
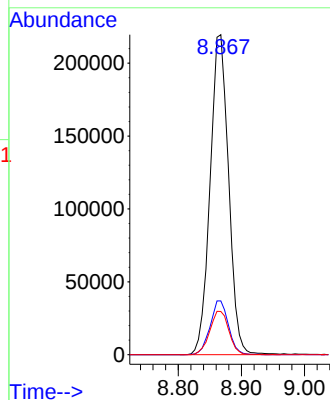
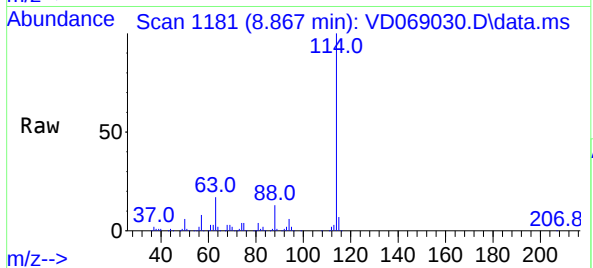


#34

1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VD069030.D  
Acq: 29 Apr 2021 20:48

Instrument :  
MSVOA\_D  
ClientSampleId :  
HD-02-042921

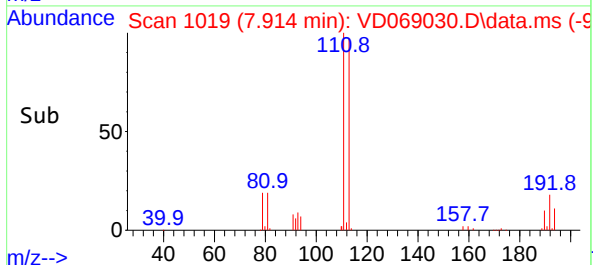
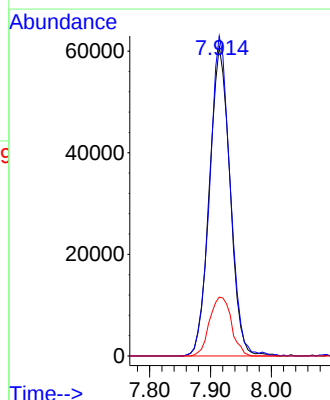
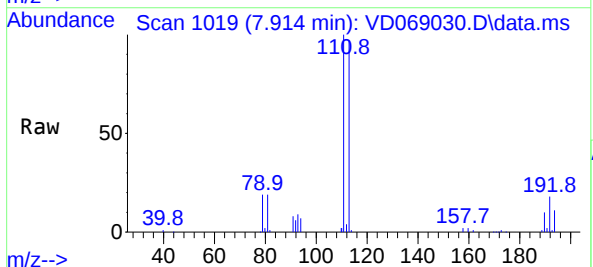
Tgt Ion:114 Resp: 446372  
Ion Ratio Lower Upper  
114 100  
63 16.8 0.0 38.2  
88 13.5 0.0 29.4

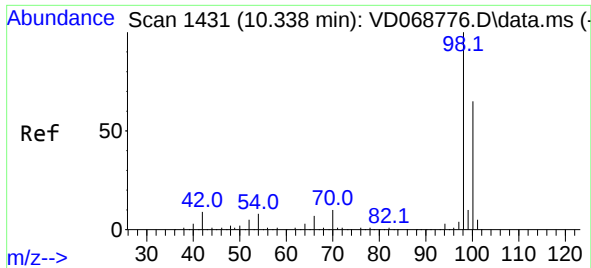


#35

Dibromofluoromethane  
Concen: 49.12 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.006 min  
Lab File: VD069030.D  
Acq: 29 Apr 2021 20:48

Tgt Ion:113 Resp: 142602  
Ion Ratio Lower Upper  
113 100  
111 102.7 82.5 123.7  
192 20.2 15.1 22.7

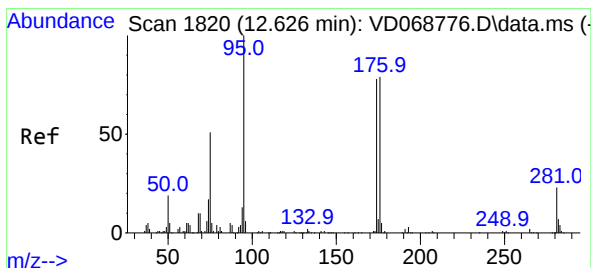
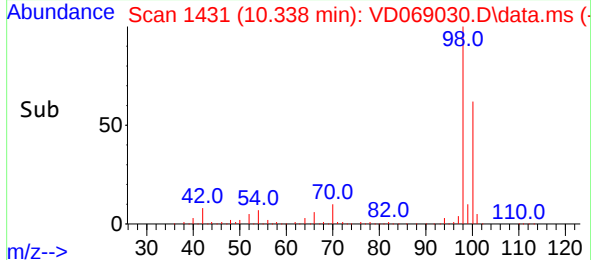
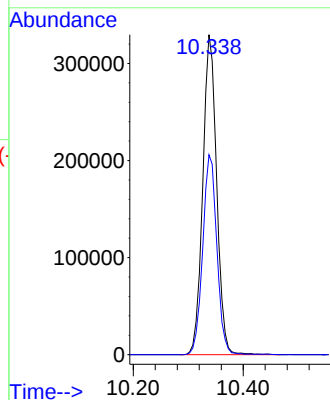
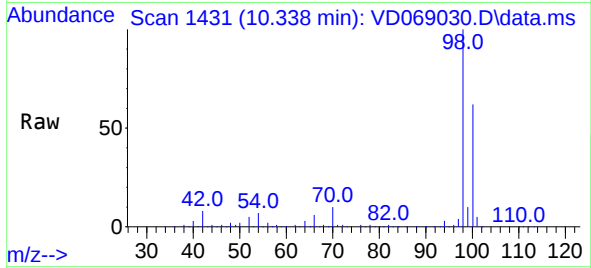




#50  
Toluene-d8  
Concen: 52.72 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: VD069030.D  
Acq: 29 Apr 2021 20:48

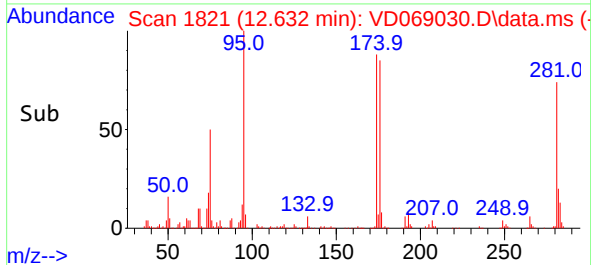
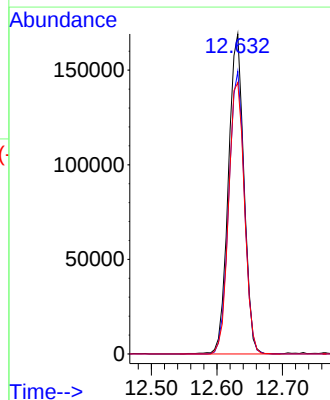
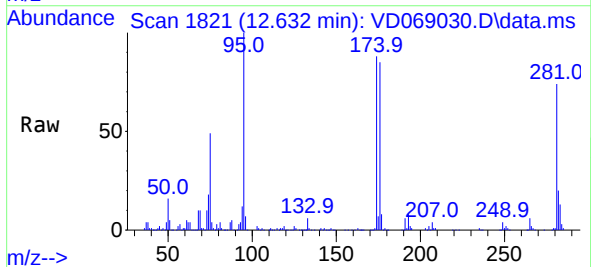
Instrument :  
MSVOA\_D  
ClientSampleId :  
HD-02-042921

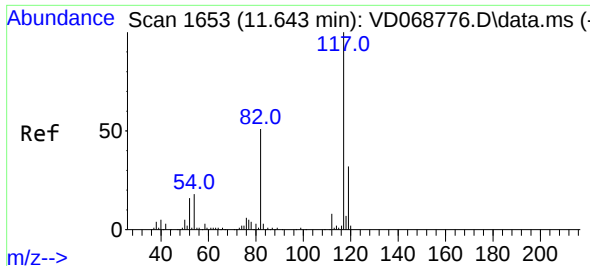
Tgt Ion: 98 Resp: 577442  
Ion Ratio Lower Upper  
98 100  
100 63.6 51.8 77.6



#62  
4-Bromofluorobenzene  
Concen: 76.54 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.006 min  
Lab File: VD069030.D  
Acq: 29 Apr 2021 20:48

Tgt Ion: 95 Resp: 278422  
Ion Ratio Lower Upper  
95 100  
174 88.2 0.0 168.0  
176 86.3 0.0 160.2

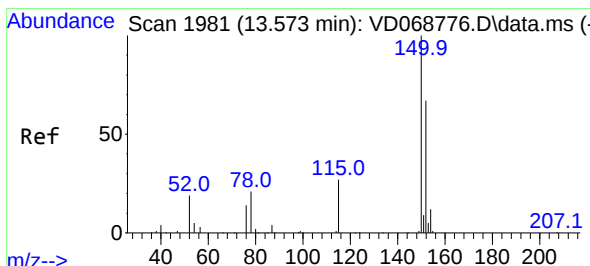
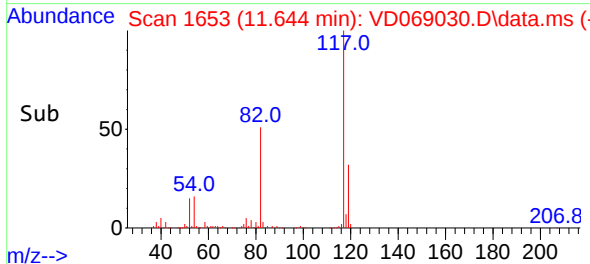
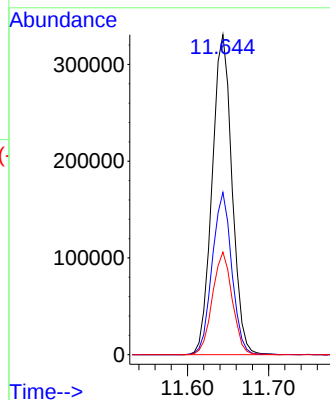
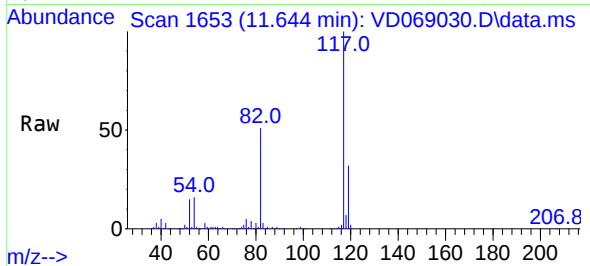




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.644 min Scan# 1653  
Delta R.T. 0.001 min  
Lab File: VD069030.D  
Acq: 29 Apr 2021 20:48

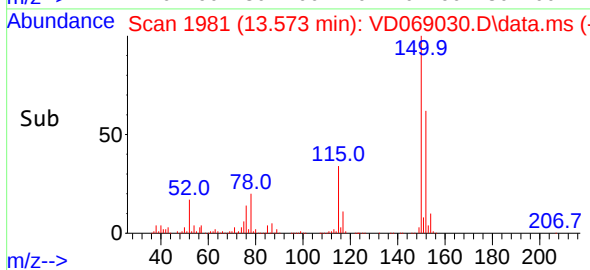
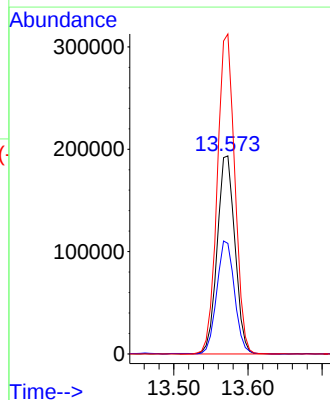
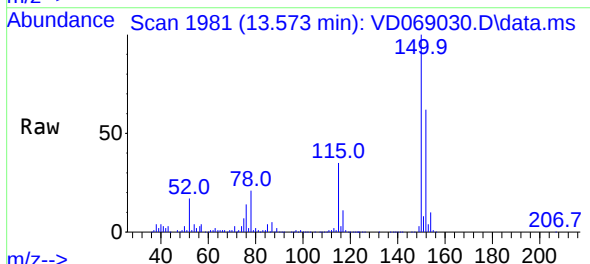
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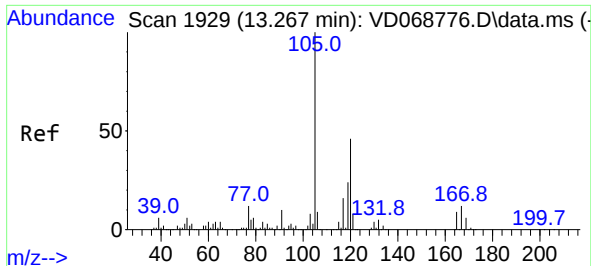
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 563889 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 50.7  | 43.5  | 65.3   |
| 119      | 32.0  | 26.7  | 40.1   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.573 min Scan# 1981  
Delta R.T. -0.000 min  
Lab File: VD069030.D  
Acq: 29 Apr 2021 20:48

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 321877 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 57.2  | 29.3  | 87.8   |
| 150      | 159.7 | 0.0   | 347.6  |

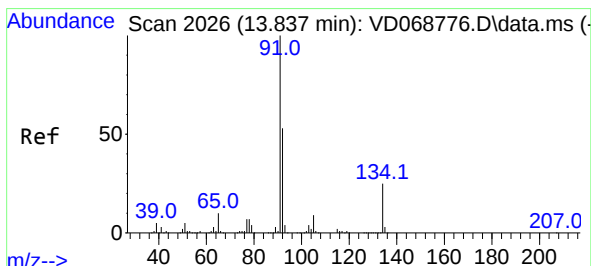
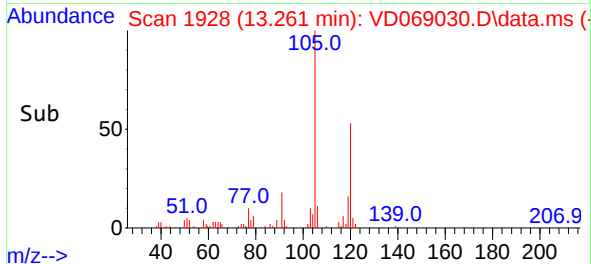
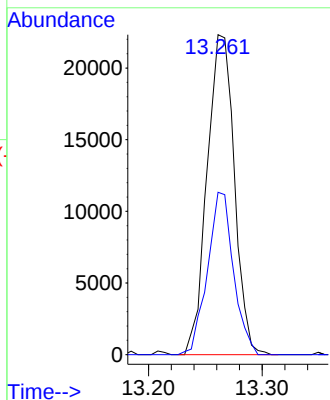
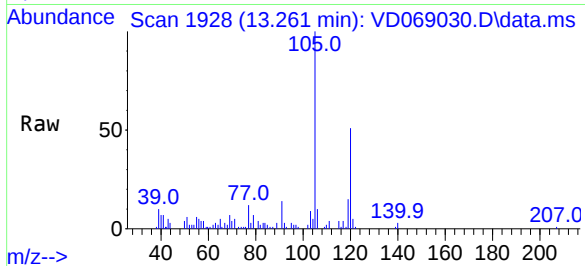




#84  
1,2,4-Trimethylbenzene  
Concen: 1.88 ug/l  
RT: 13.261 min Scan# 1928  
Delta R.T. -0.006 min  
Lab File: VD069030.D  
Acq: 29 Apr 2021 20:48

Instrument :  
MSVOA\_D  
ClientSampled :  
HD-02-042921

Tgt Ion:105 Resp: 37246  
Ion Ratio Lower Upper  
105 100  
120 48.4 22.6 67.7



#89  
n-Butylbenzene  
Concen: 1.06 ug/l  
RT: 13.838 min Scan# 2026  
Delta R.T. 0.001 min  
Lab File: VD069030.D  
Acq: 29 Apr 2021 20:48

Tgt Ion: 91 Resp: 21443  
Ion Ratio Lower Upper  
91 100  
92 61.1 26.7 80.1  
134 0.0 12.9 38.6#

