

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD042821\  
 Data File : VD069006.D  
 Acq On : 28 Apr 2021 16:08  
 Operator : VA/SY  
 Sample : M2196-03  
 Misc : 5.27G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 WALL-D-4075-A

Quant Time: Apr 29 06:32:46 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

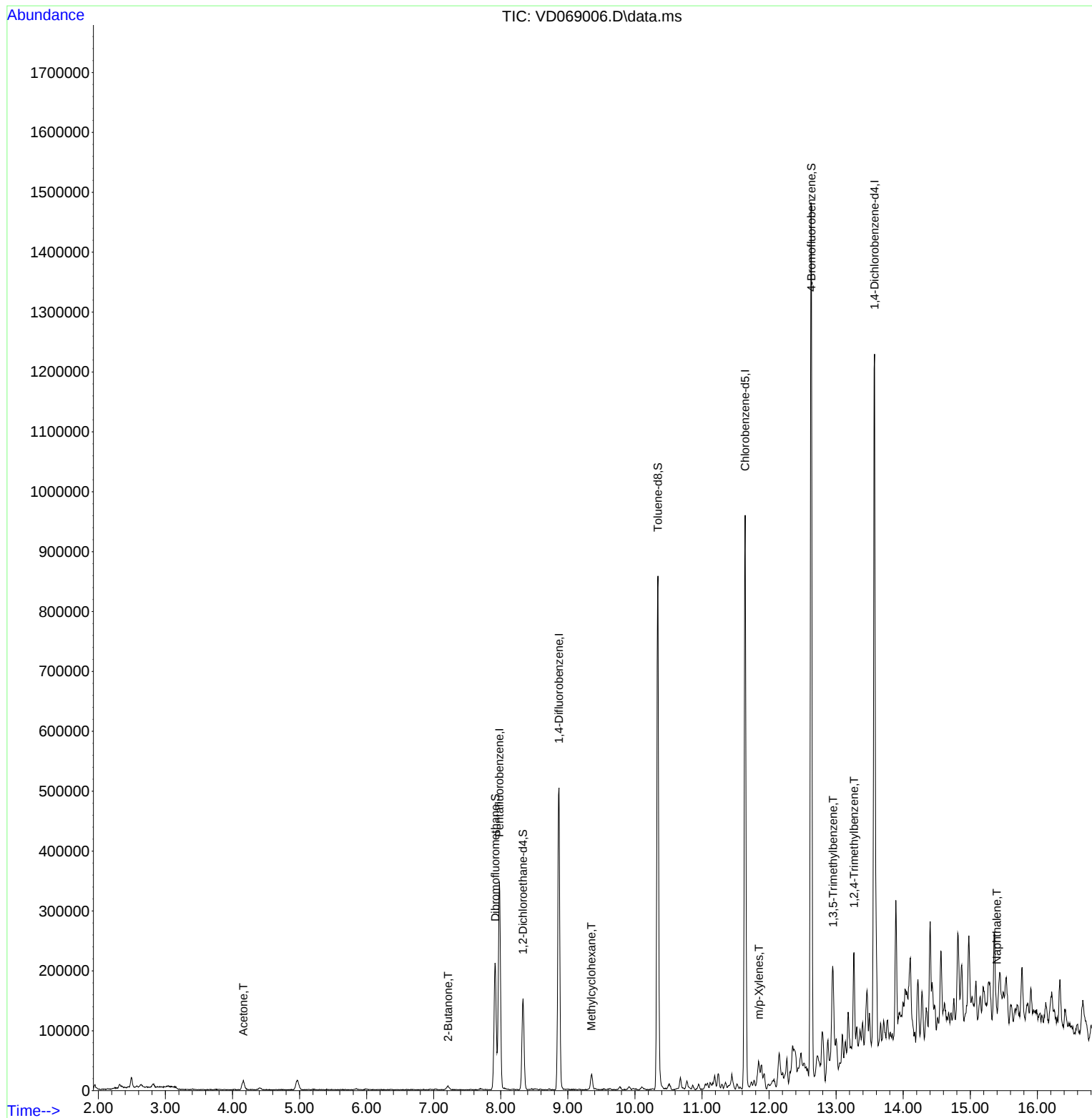
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.979  | 168   | 266031   | 50.00    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.867  | 114   | 465564   | 50.00    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.643 | 117   | 582589   | 50.00    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.573 | 152   | 332919   | 50.00    | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65    | 119027   | 42.33    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 84.66%   |
| 35) Dibromofluoromethane    | 7.920  | 113   | 150451   | 49.68    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 99.36%   |
| 50) Toluene-d8              | 10.344 | 98    | 602723   | 52.76    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =      | 105.52%  |
| 62) 4-Bromofluorobenzene    | 12.632 | 95    | 294929   | 77.73    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =      | 155.46%# |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          |        | Qvalue   |
| 16) Acetone                 | 4.162  | 43    | 24512    | 62.96    | ug/l   | 98       |
| 25) 2-Butanone              | 7.214  | 43    | 6439     | 11.69    | ug/l   | 95       |
| 39) Methylcyclohexane       | 9.349  | 83    | 10086    | 1.84     | ug/l   | 87       |
| 68) m/p-Xylenes             | 11.849 | 106   | 9302     | 1.10     | ug/l   | 91       |
| 80) 1,3,5-Trimethylbenzene  | 12.955 | 105   | 26745    | 1.32     | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene  | 13.267 | 105   | 101943   | 4.97     | ug/l   | 99       |
| 95) Naphthalene             | 15.396 | 128   | 22546    | 2.09     | ug/l # | 79       |
| -----                       |        |       |          |          |        |          |

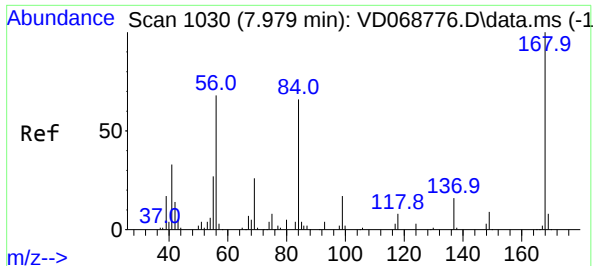
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
WALL-D-4075-A

Quant Time: Apr 29 06:32:46 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

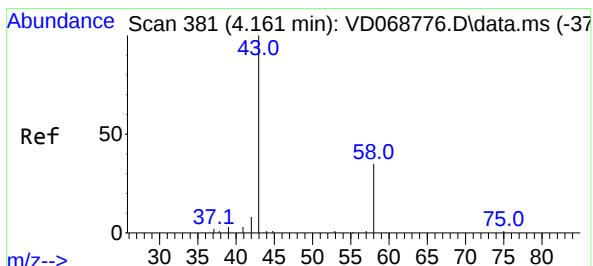
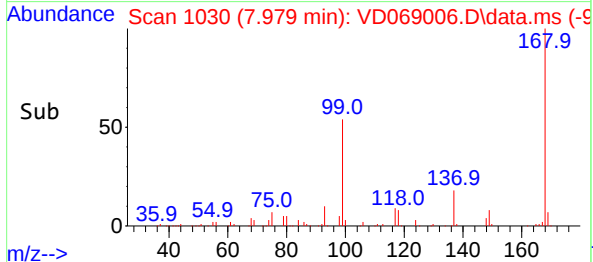
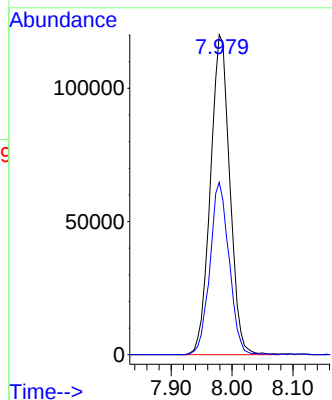
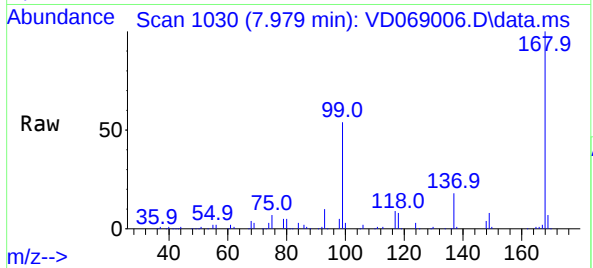




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.000 min  
Lab File: VD069006.D  
Acq: 28 Apr 2021 16:08

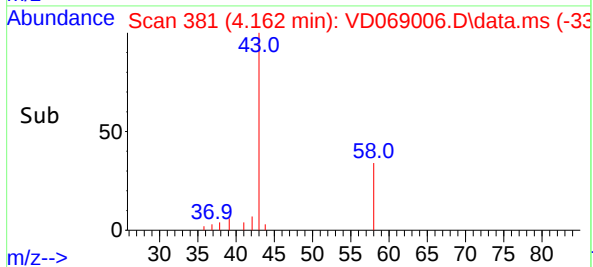
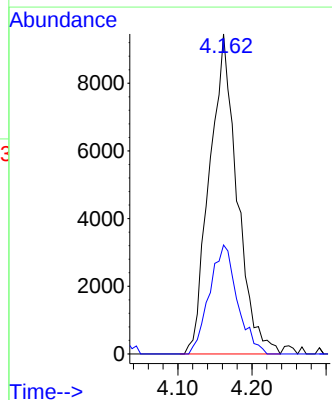
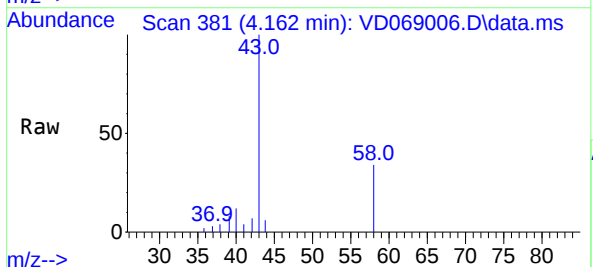
Instrument :  
MSVOA\_D  
ClientSampleId :  
WALL-D-4075-A

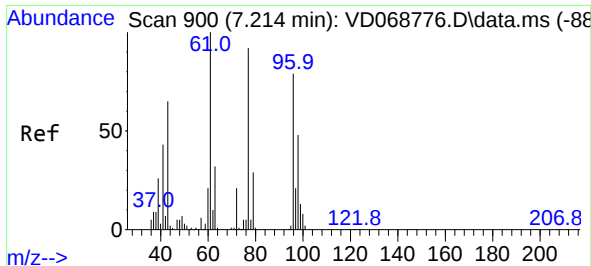
Tgt Ion:168 Resp: 266031  
Ion Ratio Lower Upper  
168 100  
99 53.9 46.2 69.2



#16  
Acetone  
Concen: 62.96 ug/l  
RT: 4.162 min Scan# 381  
Delta R.T. 0.001 min  
Lab File: VD069006.D  
Acq: 28 Apr 2021 16:08

Tgt Ion: 43 Resp: 24512  
Ion Ratio Lower Upper  
43 100  
58 34.1 28.0 42.0

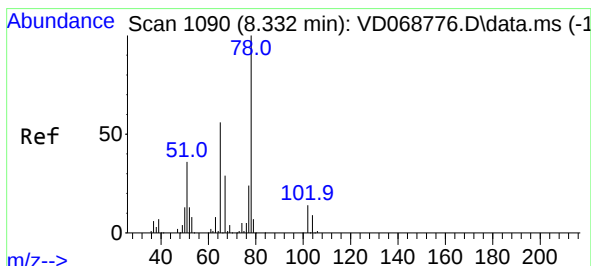
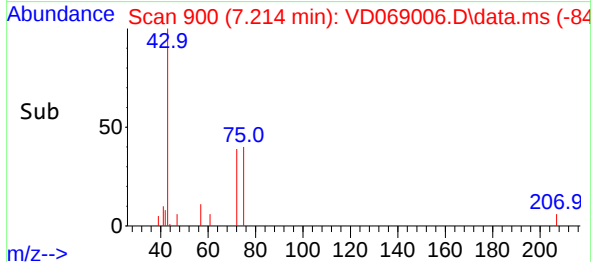
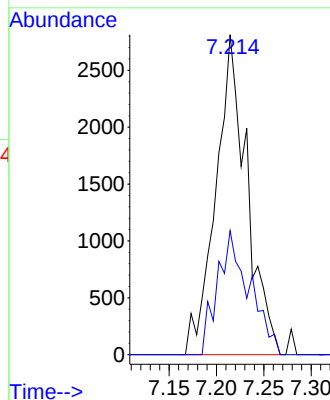
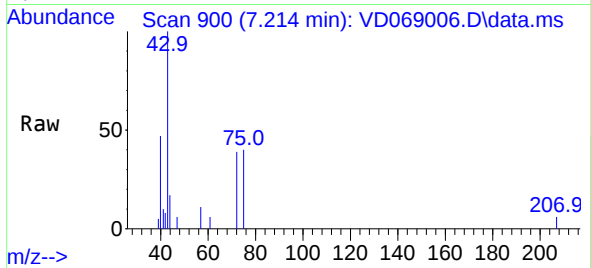




#25  
2-Butanone  
Concen: 11.69 ug/l  
RT: 7.214 min Scan# 900  
Delta R.T. 0.000 min  
Lab File: VD069006.D  
Acq: 28 Apr 2021 16:08

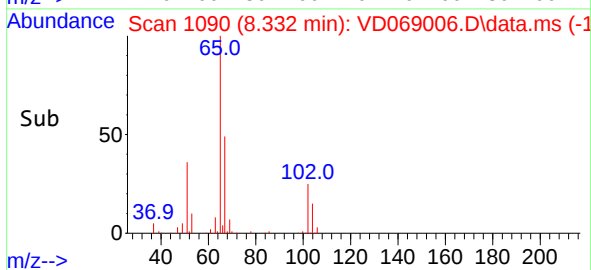
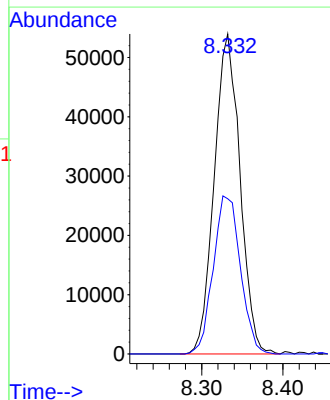
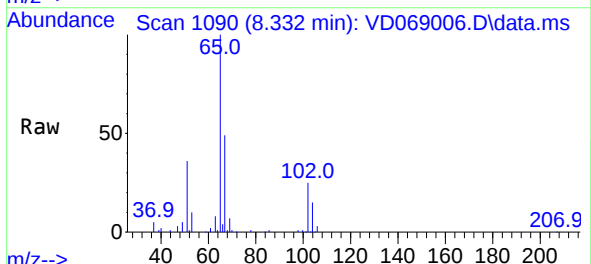
Instrument :  
MSVOA\_D  
ClientSampleId :  
WALL-D-4075-A

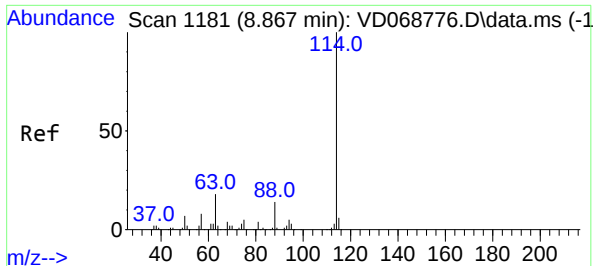
Tgt Ion: 43 Resp: 6439  
Ion Ratio Lower Upper  
43 100  
72 38.7 28.6 43.0



#33  
1,2-Dichloroethane-d4  
Concen: 42.33 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. -0.000 min  
Lab File: VD069006.D  
Acq: 28 Apr 2021 16:08

Tgt Ion: 65 Resp: 119027  
Ion Ratio Lower Upper  
65 100  
67 52.2 0.0 106.0



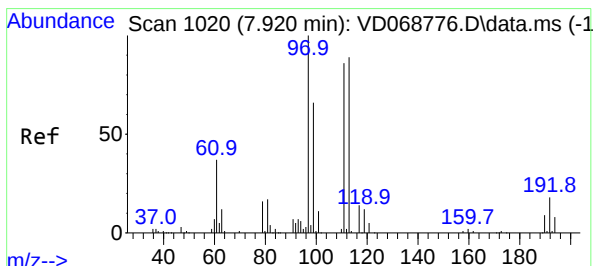
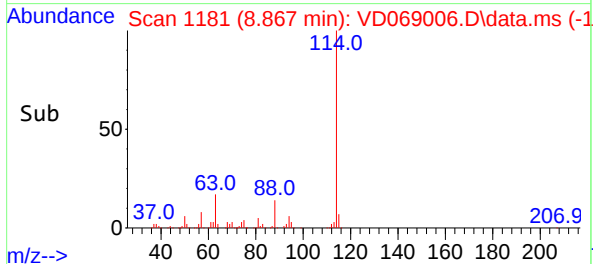
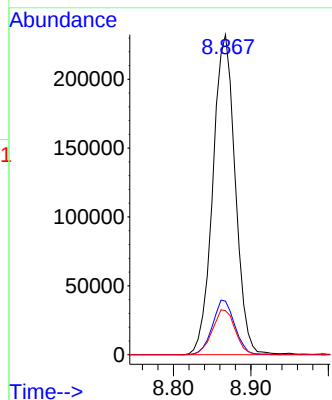
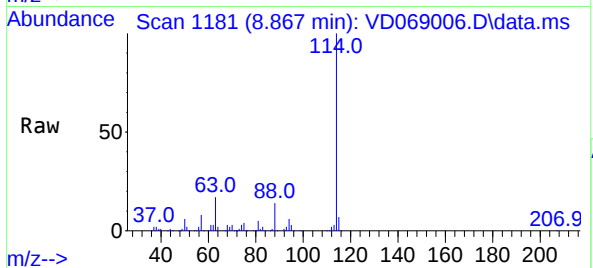


#34

1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VD069006.D  
Acq: 28 Apr 2021 16:08

Instrument :  
MSVOA\_D  
ClientSampleId :  
WALL-D-4075-A

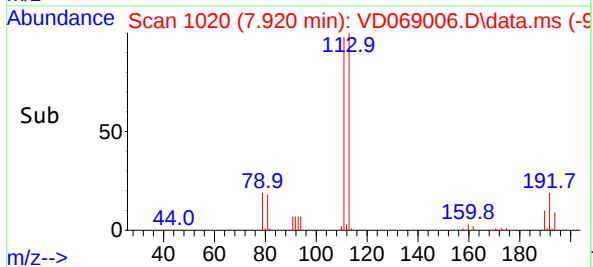
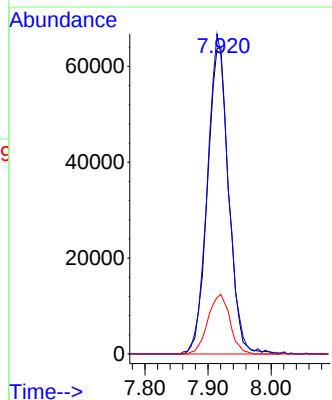
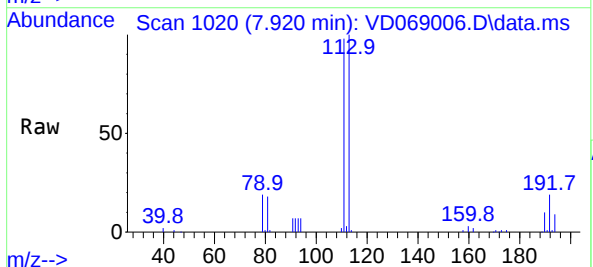
Tgt Ion:114 Resp: 465564  
Ion Ratio Lower Upper  
114 100  
63 16.7 0.0 38.2  
88 13.8 0.0 29.4

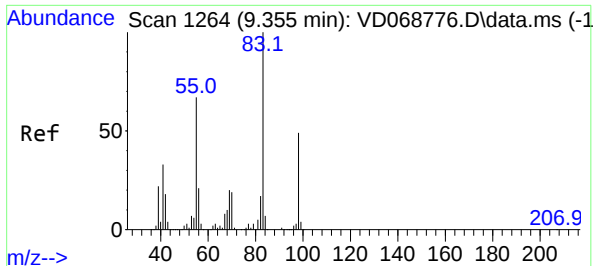


#35

Dibromofluoromethane  
Concen: 49.68 ug/l  
RT: 7.920 min Scan# 1020  
Delta R.T. 0.000 min  
Lab File: VD069006.D  
Acq: 28 Apr 2021 16:08

Tgt Ion:113 Resp: 150451  
Ion Ratio Lower Upper  
113 100  
111 101.8 82.5 123.7  
192 20.0 15.1 22.7

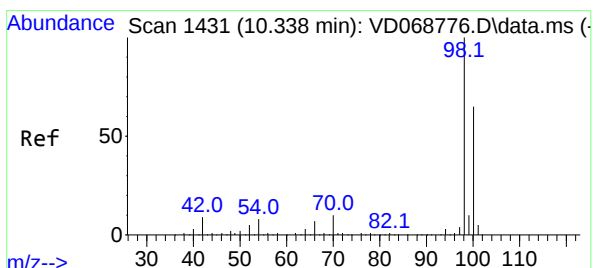
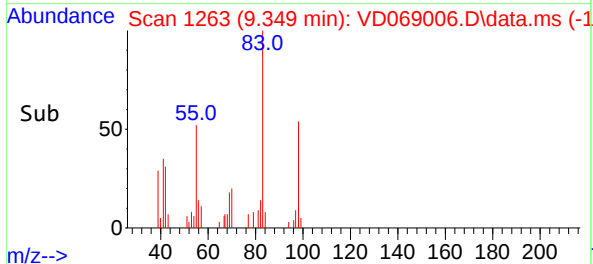
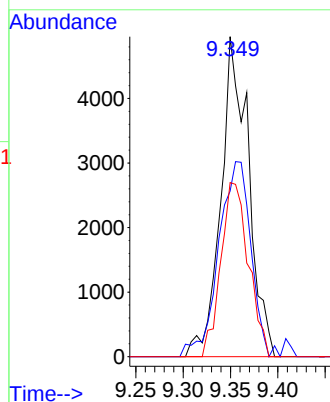
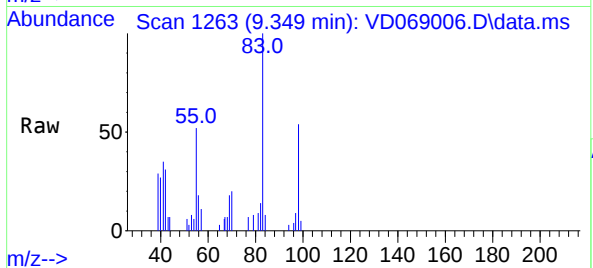




#39  
Methylcyclohexane  
Concen: 1.84 ug/l  
RT: 9.349 min Scan# 1263  
Delta R.T. -0.006 min  
Lab File: VD069006.D  
Acq: 28 Apr 2021 16:08

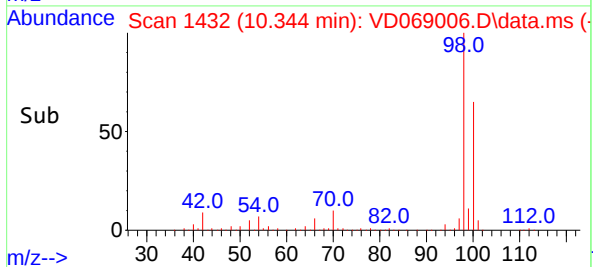
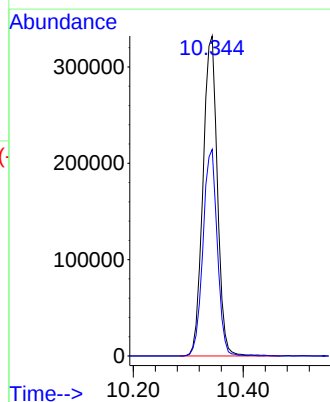
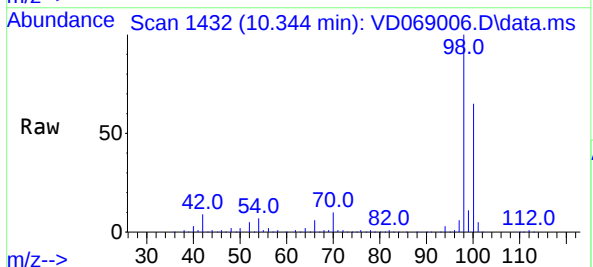
Instrument :  
MSVOA\_D  
ClientSampleId :  
WALL-D-4075-A

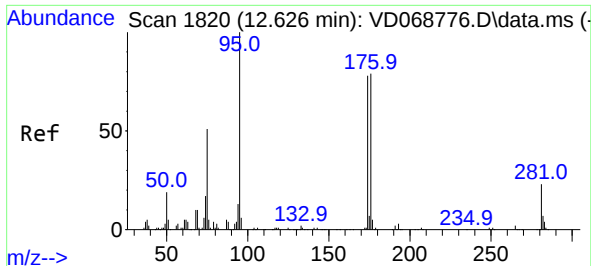
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 10086 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 51.7  | 51.7  | 77.5  |
| 98       | 54.4  | 38.8  | 58.2  |



#50  
Toluene-d8  
Concen: 52.76 ug/l  
RT: 10.344 min Scan# 1432  
Delta R.T. 0.006 min  
Lab File: VD069006.D  
Acq: 28 Apr 2021 16:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 602723 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 64.2  | 51.8  | 77.6   |

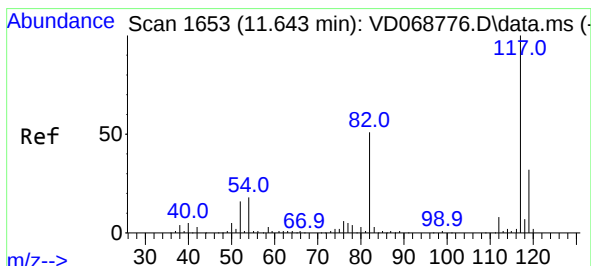
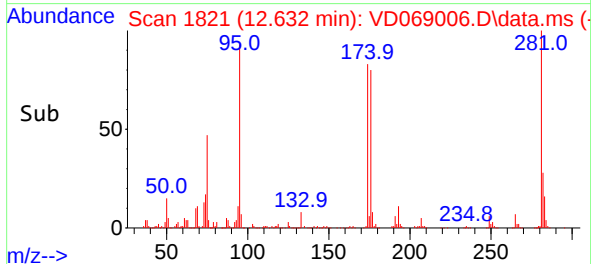
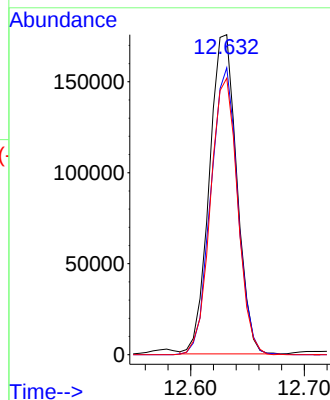
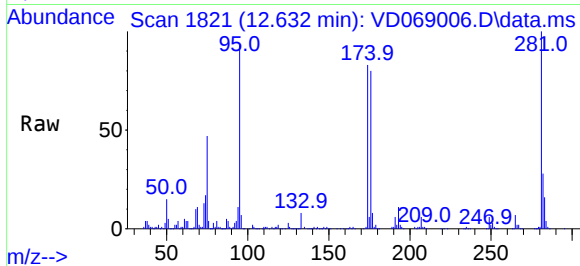




#62  
4-Bromofluorobenzene  
Concen: 77.73 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.006 min  
Lab File: VD069006.D  
Acq: 28 Apr 2021 16:08

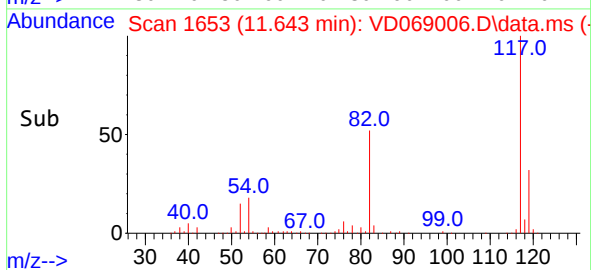
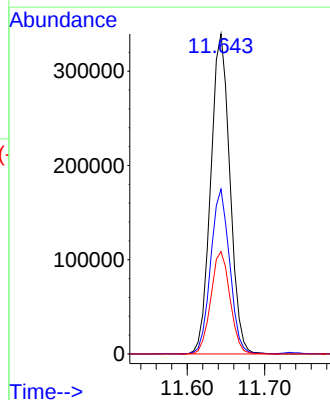
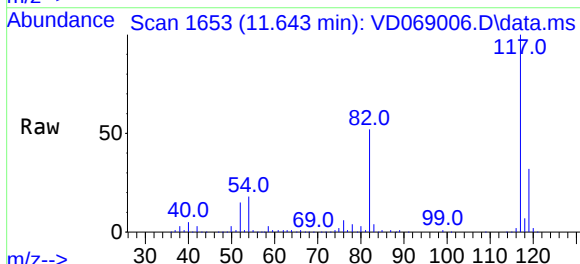
Instrument :  
MSVOA\_D  
ClientSampleId :  
WALL-D-4075-A

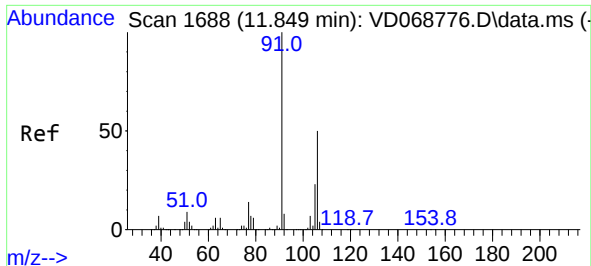
Tgt Ion: 95 Resp: 294929  
Ion Ratio Lower Upper  
95 100  
174 87.9 0.0 168.0  
176 85.3 0.0 160.2



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.643 min Scan# 1653  
Delta R.T. 0.000 min  
Lab File: VD069006.D  
Acq: 28 Apr 2021 16:08

Tgt Ion: 117 Resp: 582589  
Ion Ratio Lower Upper  
117 100  
82 51.5 43.5 65.3  
119 32.0 26.7 40.1

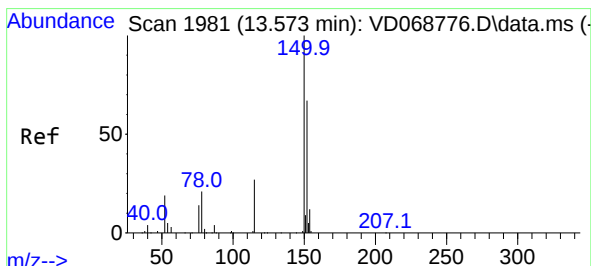
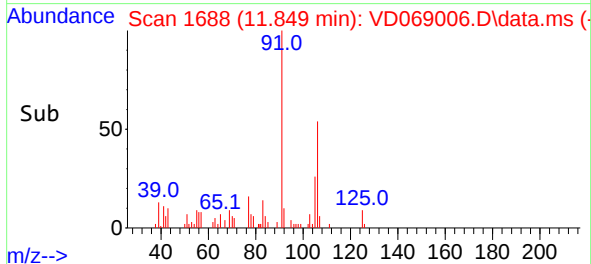
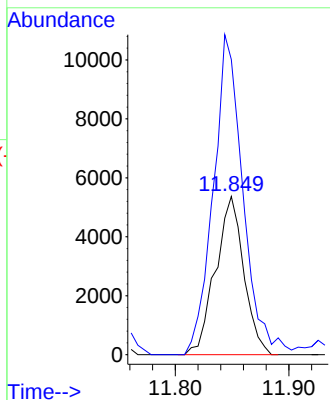
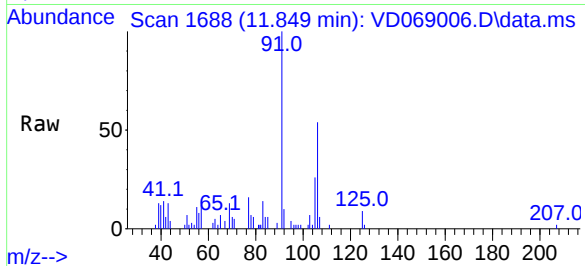




#68  
m/p-Xylenes  
Concen: 1.10 ug/l  
RT: 11.849 min Scan# 1688  
Delta R.T. 0.000 min  
Lab File: VD069006.D  
Acq: 28 Apr 2021 16:08

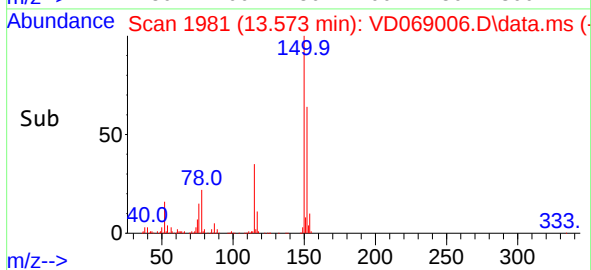
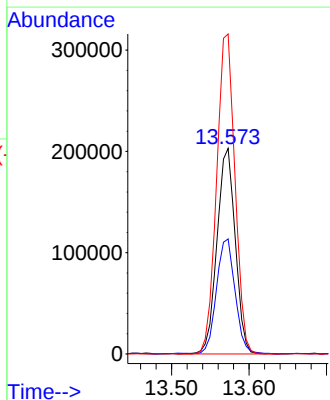
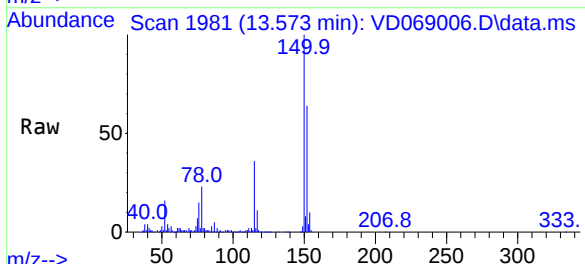
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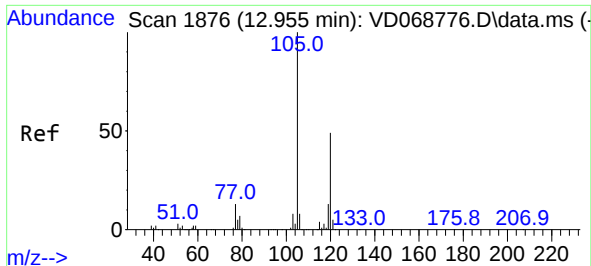
Tgt Ion:106 Resp: 9302  
Ion Ratio Lower Upper  
106 100  
91 211.9 158.6 238.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.573 min Scan# 1981  
Delta R.T. -0.000 min  
Lab File: VD069006.D  
Acq: 28 Apr 2021 16:08

Tgt Ion:152 Resp: 332919  
Ion Ratio Lower Upper  
152 100  
115 57.2 29.3 87.8  
150 156.3 0.0 347.6

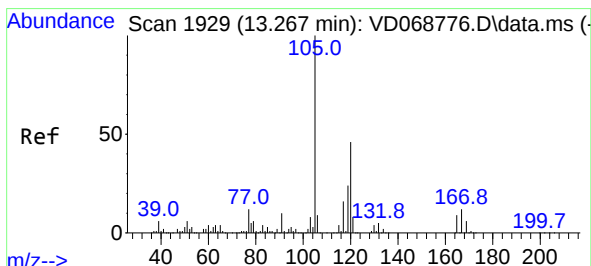
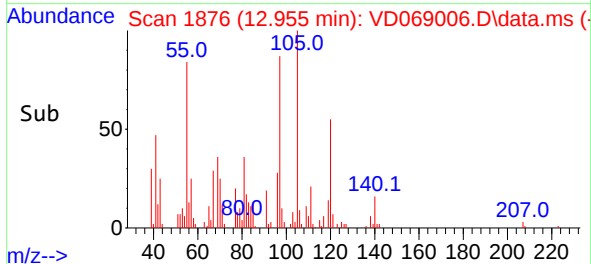
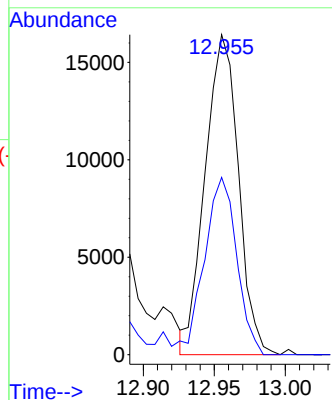
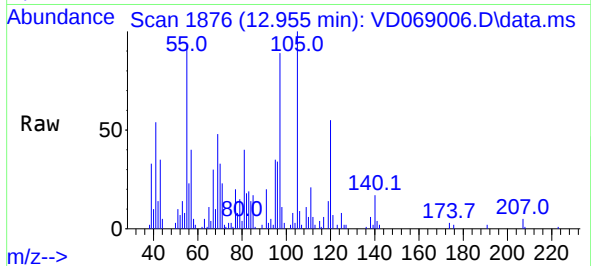




#80  
1,3,5-Trimethylbenzene  
Concen: 1.32 ug/l  
RT: 12.955 min Scan# 1876  
Delta R.T. 0.000 min  
Lab File: VD069006.D  
Acq: 28 Apr 2021 16:08

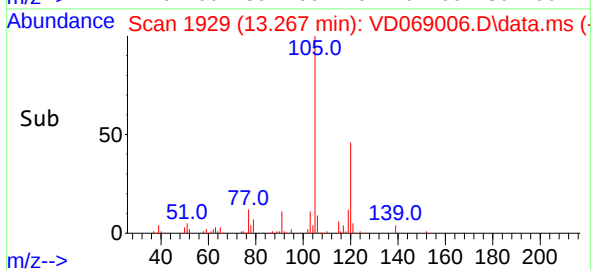
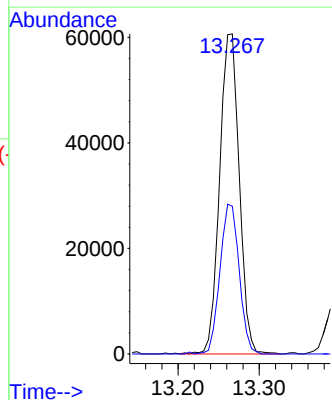
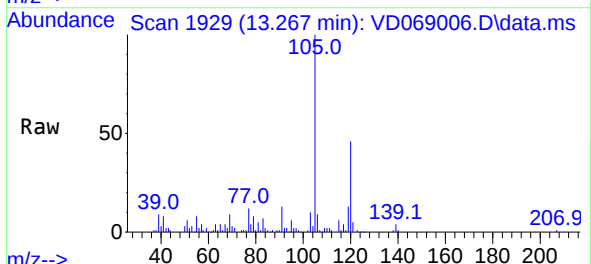
Instrument :  
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WALL-D-4075-A

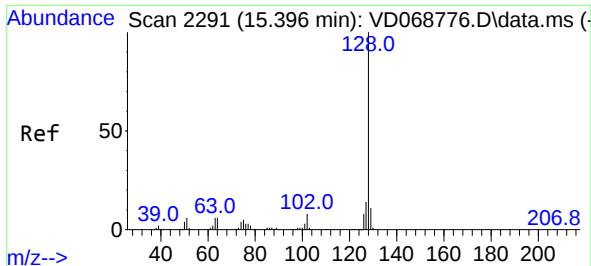
Tgt Ion:105 Resp: 26745  
Ion Ratio Lower Upper  
105 100  
120 54.2 24.9 74.7



#84  
1,2,4-Trimethylbenzene  
Concen: 4.97 ug/l  
RT: 13.267 min Scan# 1929  
Delta R.T. -0.000 min  
Lab File: VD069006.D  
Acq: 28 Apr 2021 16:08

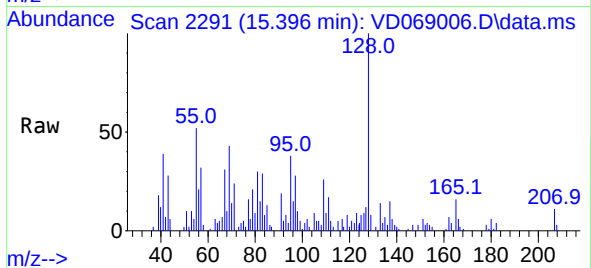
Tgt Ion:105 Resp: 101943  
Ion Ratio Lower Upper  
105 100  
120 45.7 22.6 67.7





#95  
Naphthalene  
Concen: 2.09 ug/l  
RT: 15.396 min Scan# 2291  
Delta R.T. 0.000 min  
Lab File: VD069006.D  
Acq: 28 Apr 2021 16:08

Instrument :  
MSVOA\_D  
ClientSampleId :  
WALL-D-4075-A



Tgt Ion:128 Resp: 22546  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.2 15.4#  
129 13.7 8.9 13.3#

