

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU092921\  
 Data File : VU045028.D  
 Acq On : 30 Sep 2021 05:48  
 Operator : SY/MD  
 Sample : M3952-07  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MW-5

Quant Time: Sep 30 06:44:24 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U092821W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 28 12:32:13 2021  
 Response via : Initial Calibration

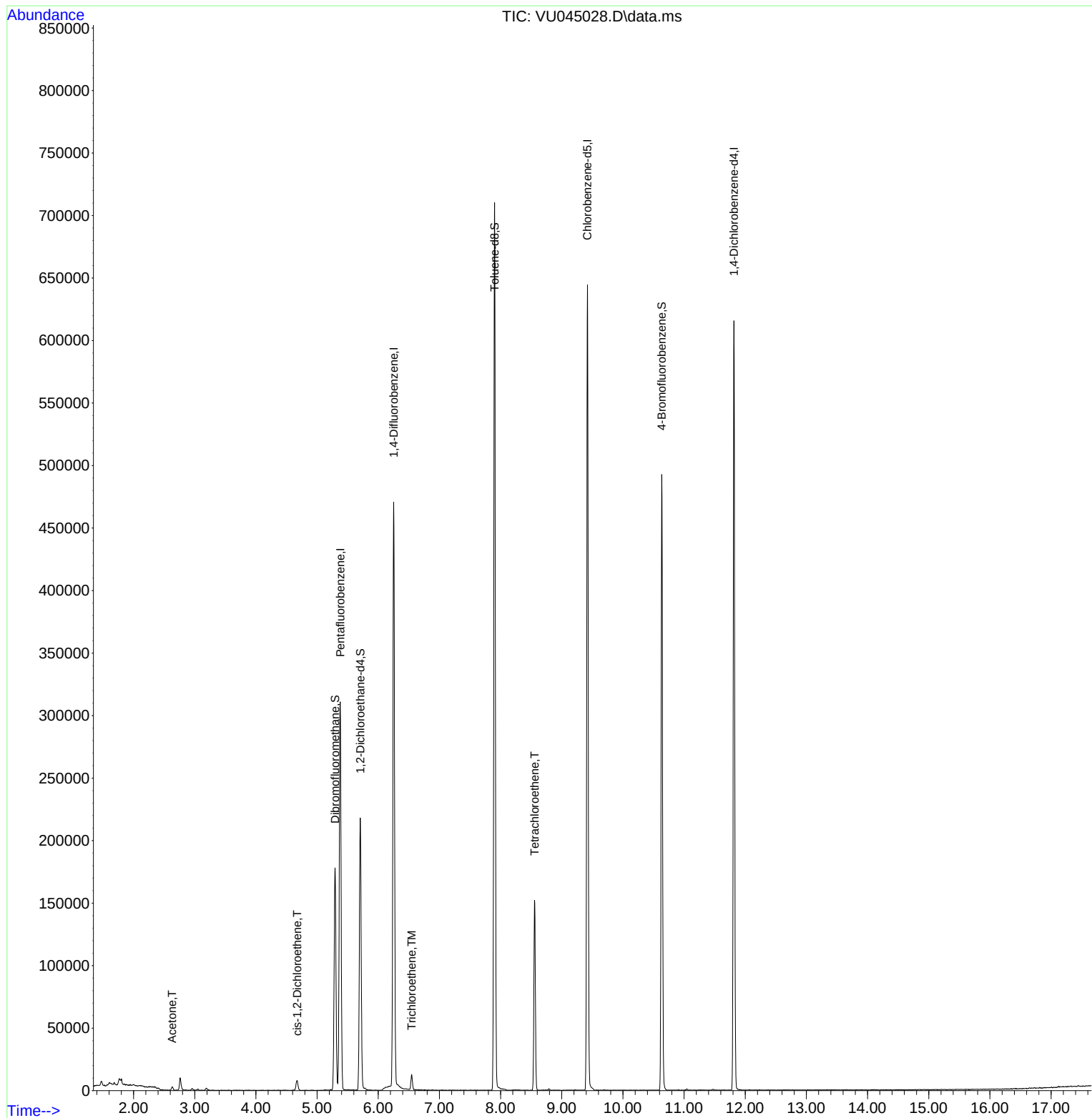
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 5.379  | 168   | 202593   | 50.00    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.253  | 114   | 363656   | 50.00    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 9.420  | 117   | 337793   | 50.00    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.816 | 152   | 150787   | 50.00    | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.706  | 65    | 163206   | 48.39    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =      | 96.78%   |
| 35) Dibromofluoromethane    | 5.295  | 113   | 114439   | 49.88    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 99.76%   |
| 50) Toluene-d8              | 7.903  | 98    | 459948   | 50.74    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =      | 101.48%  |
| 62) 4-Bromofluorobenzene    | 10.636 | 95    | 162385   | 43.39    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 86.78%   |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 2.629  | 43    | 3326     | 1.66     | ug/l   | 92       |
| 27) cis-1,2-Dichloroethene  | 4.674  | 96    | 4476     | 1.44     | ug/l   | 81       |
| 44) Trichloroethene         | 6.546  | 130   | 3805     | 1.42     | ug/l   | 95       |
| 64) Tetrachloroethene       | 8.555  | 164   | 31749    | 14.40    | ug/l   | 98       |
| -----                       |        |       |          |          |        |          |

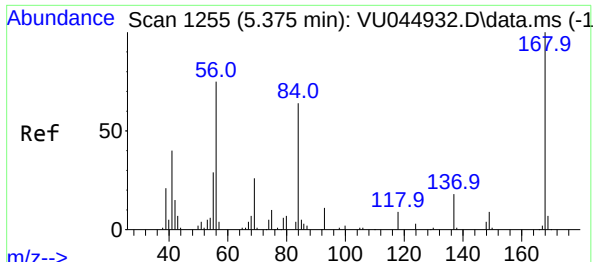
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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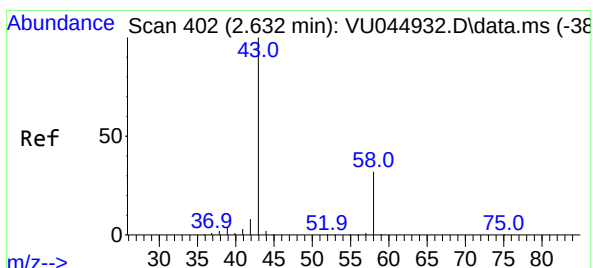
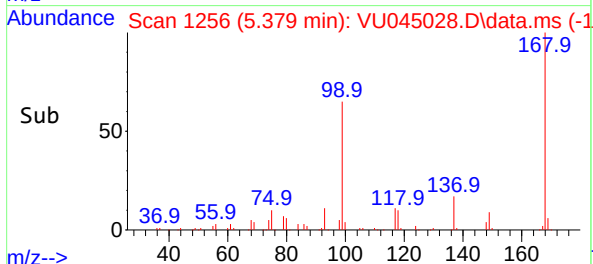
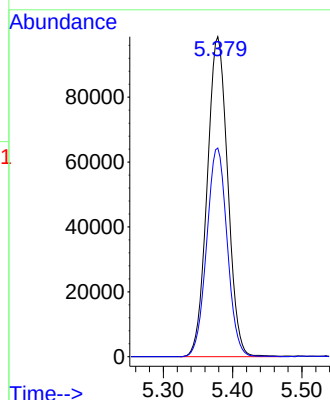
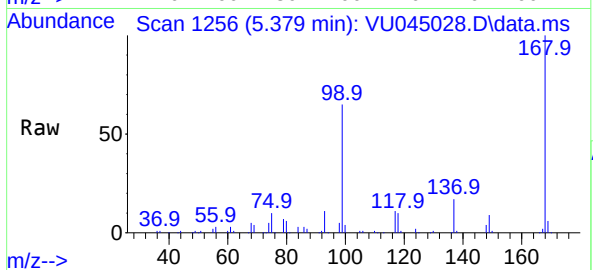




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.379 min Scan# 1256  
Delta R.T. 0.004 min  
Lab File: VU045028.D  
Acq: 30 Sep 2021 05:48

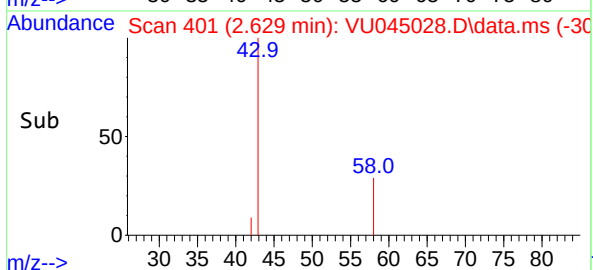
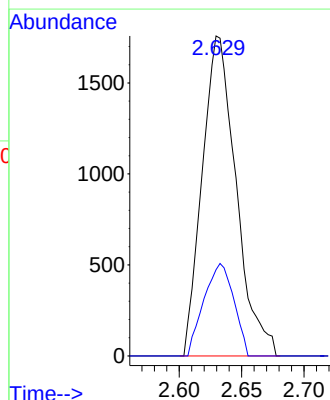
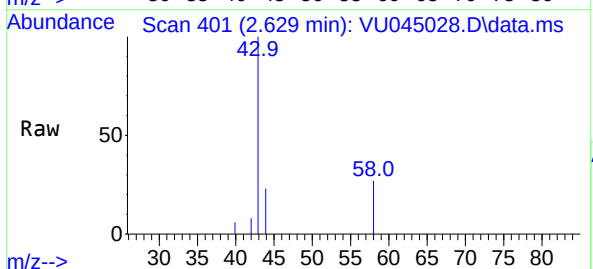
Instrument :  
MSVOA\_U  
ClientSampled :  
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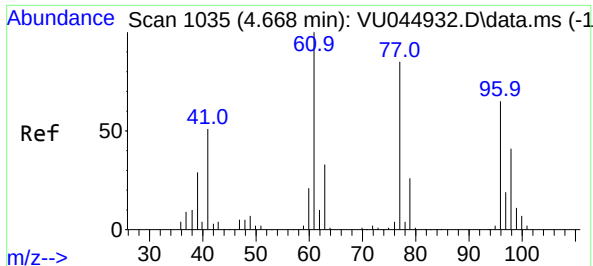
Tgt Ion:168 Resp: 202593  
Ion Ratio Lower Upper  
168 100  
99 65.2 51.4 77.0



#16  
Acetone  
Concen: 1.66 ug/l  
RT: 2.629 min Scan# 401  
Delta R.T. -0.003 min  
Lab File: VU045028.D  
Acq: 30 Sep 2021 05:48

Tgt Ion: 43 Resp: 3326  
Ion Ratio Lower Upper  
43 100  
58 27.0 25.2 37.8





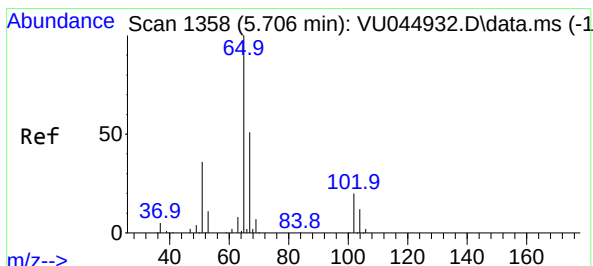
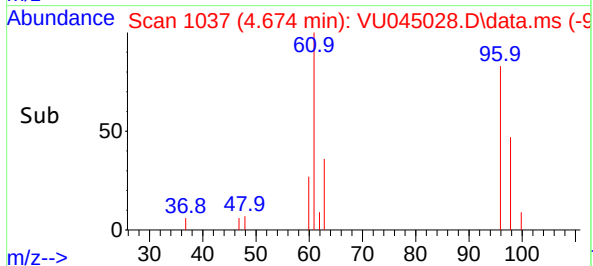
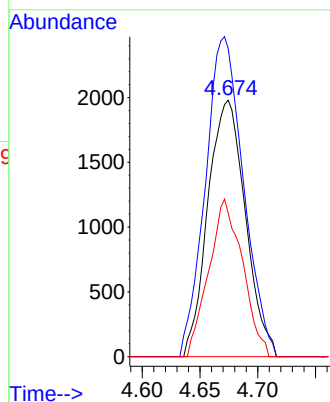
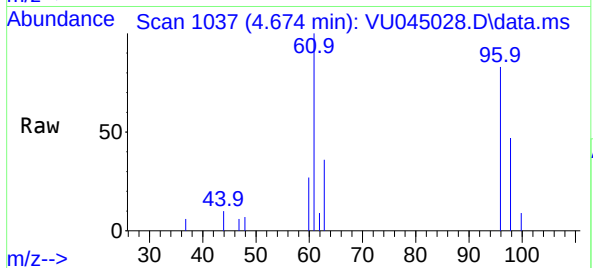
#27

cis-1,2-Dichloroethene  
Concen: 1.44 ug/l  
RT: 4.674 min Scan# 1037  
Delta R.T. 0.006 min  
Lab File: VU045028.D  
Acq: 30 Sep 2021 05:48

Instrument :  
MSVOA\_U  
ClientSampled :  
MW-5

Tgt Ion: 96 Resp: 4476

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 126.6 | 0.0   | 313.4 |
| 98  | 55.3  | 0.0   | 127.0 |

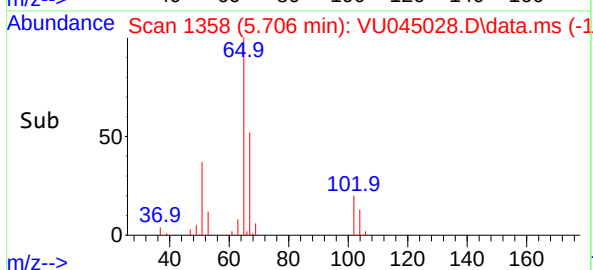
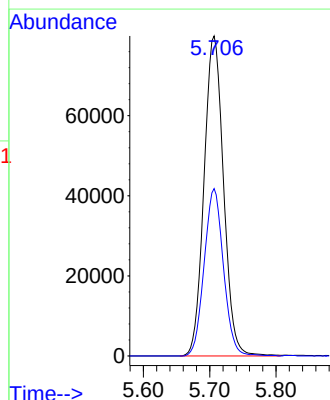
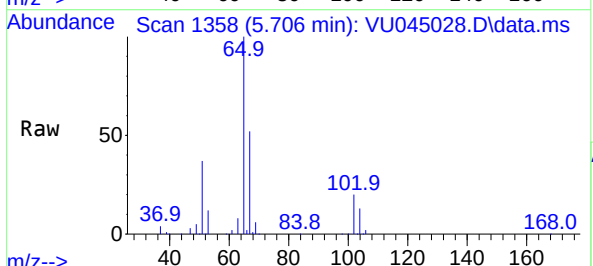


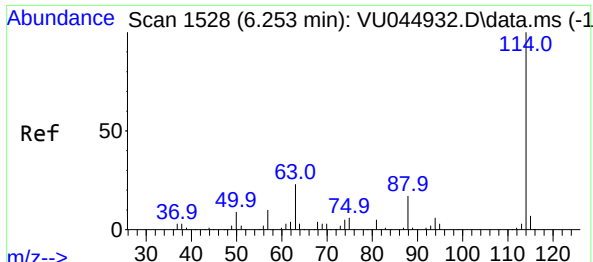
#33

1,2-Dichloroethane-d4  
Concen: 48.39 ug/l  
RT: 5.706 min Scan# 1358  
Delta R.T. 0.000 min  
Lab File: VU045028.D  
Acq: 30 Sep 2021 05:48

Tgt Ion: 65 Resp: 163206

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 51.7  | 0.0   | 104.8 |

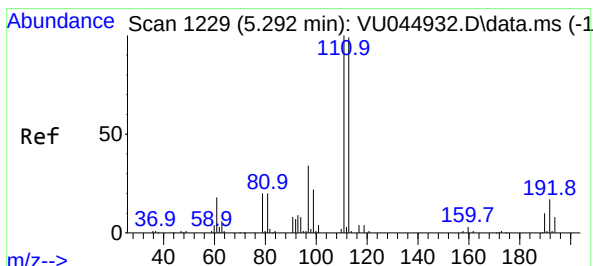
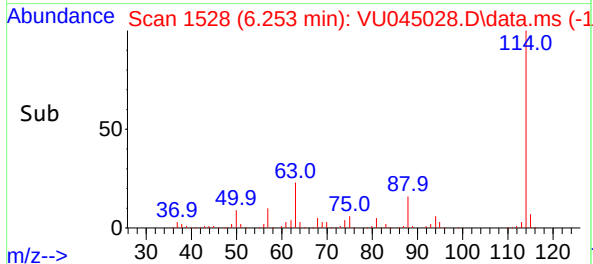
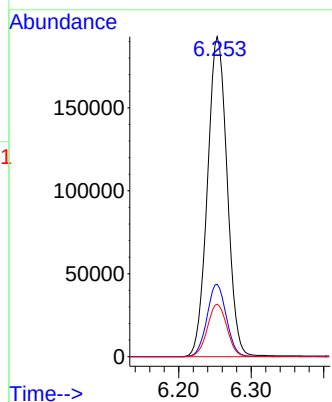
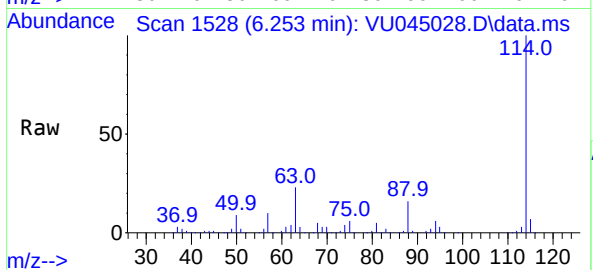




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.253 min Scan# 1528  
Delta R.T. 0.000 min  
Lab File: VU045028.D  
Acq: 30 Sep 2021 05:48

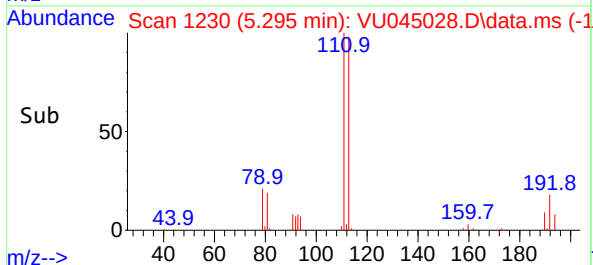
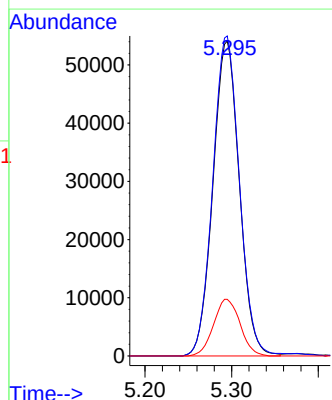
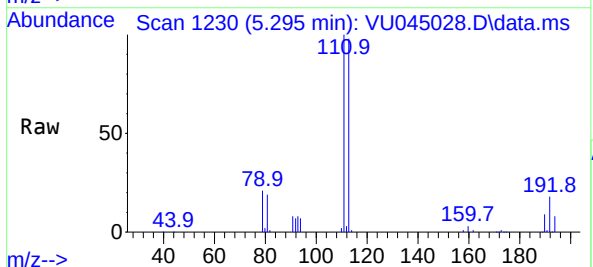
Instrument :  
MSVOA\_U  
ClientSampleId :  
MW-5

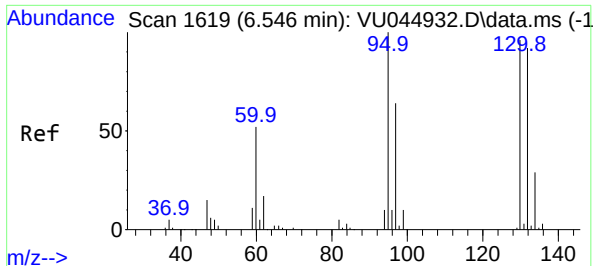
Tgt Ion:114 Resp: 363656  
Ion Ratio Lower Upper  
114 100  
63 22.7 0.0 47.8  
88 16.4 0.0 32.8



#35  
Dibromofluoromethane  
Concen: 49.88 ug/l  
RT: 5.295 min Scan# 1230  
Delta R.T. 0.003 min  
Lab File: VU045028.D  
Acq: 30 Sep 2021 05:48

Tgt Ion:113 Resp: 114439  
Ion Ratio Lower Upper  
113 100  
111 102.7 84.1 126.1  
192 18.1 14.8 22.2

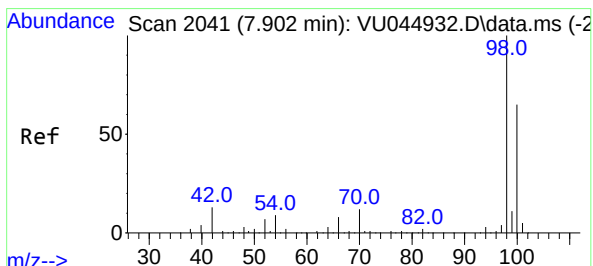
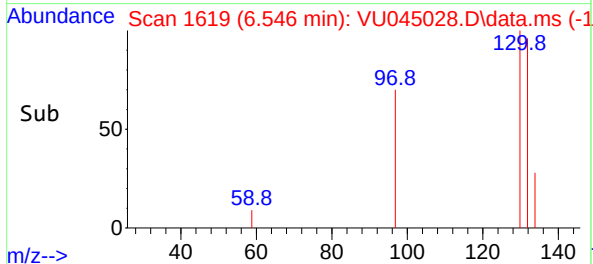
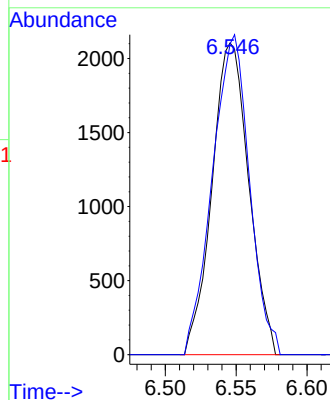
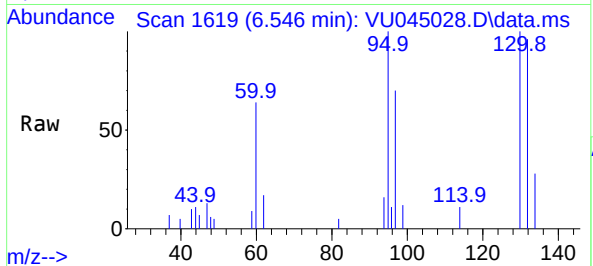




#44  
Trichloroethene  
Concen: 1.42 ug/l  
RT: 6.546 min Scan# 1619  
Delta R.T. -0.000 min  
Lab File: VU045028.D  
Acq: 30 Sep 2021 05:48

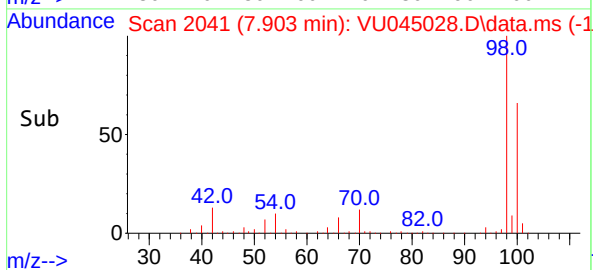
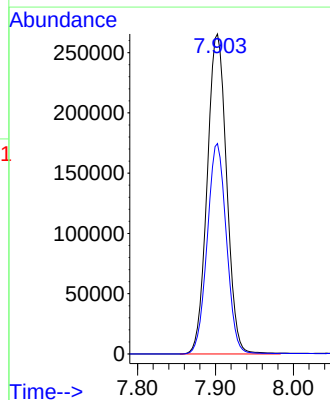
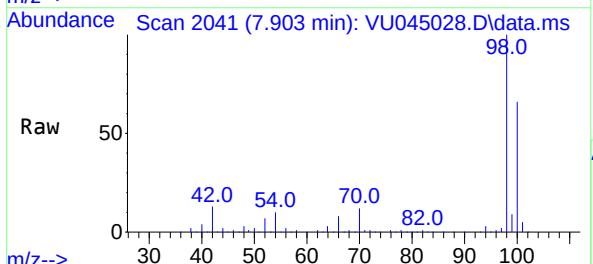
Instrument :  
MSVOA\_U  
ClientSampled :  
MW-5

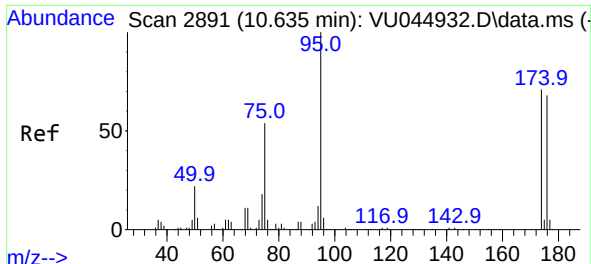
Tgt Ion:130 Resp: 3805  
Ion Ratio Lower Upper  
130 100  
95 99.7 0.0 209.0



#50  
Toluene-d8  
Concen: 50.74 ug/l  
RT: 7.903 min Scan# 2041  
Delta R.T. 0.001 min  
Lab File: VU045028.D  
Acq: 30 Sep 2021 05:48

Tgt Ion: 98 Resp: 459948  
Ion Ratio Lower Upper  
98 100  
100 64.9 52.5 78.7

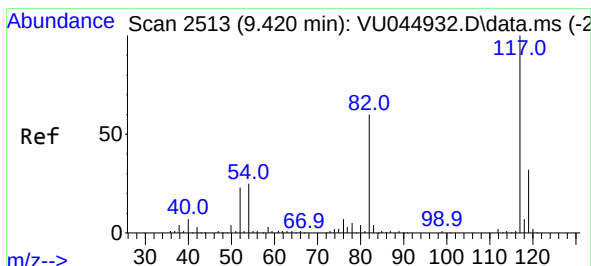
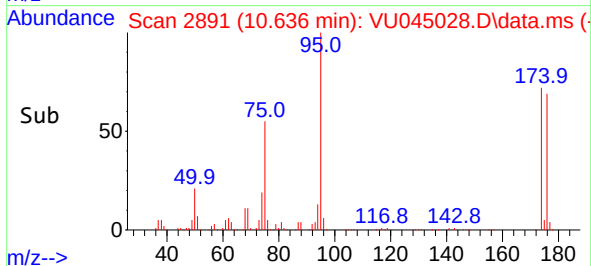
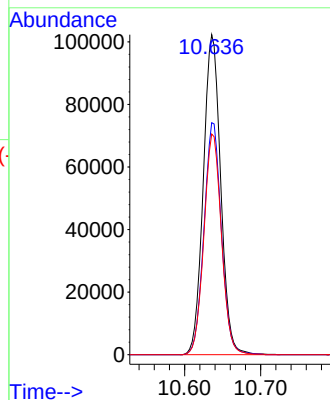
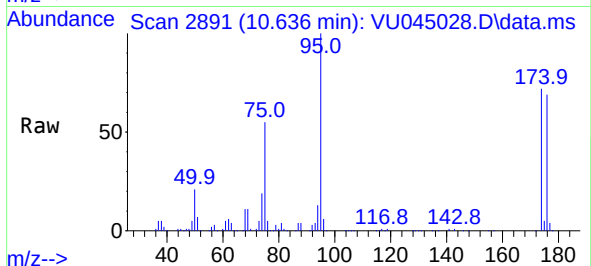




#62  
4-Bromofluorobenzene  
Concen: 43.39 ug/l  
RT: 10.636 min Scan# 2891  
Delta R.T. 0.001 min  
Lab File: VU045028.D  
Acq: 30 Sep 2021 05:48

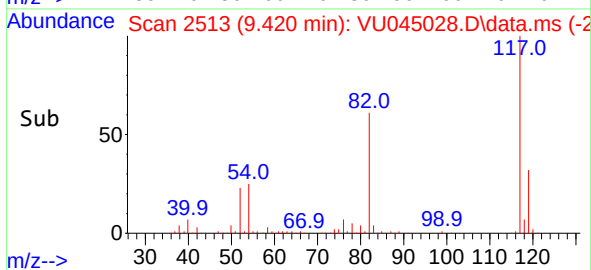
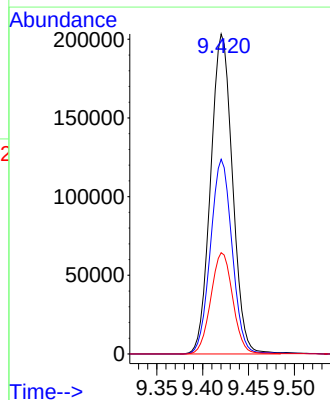
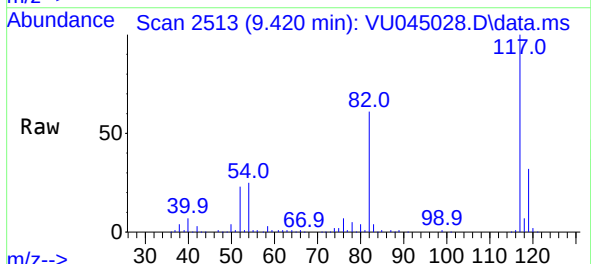
Instrument :  
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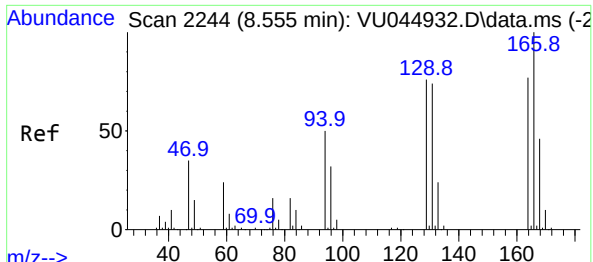
Tgt Ion: 95 Resp: 162385  
Ion Ratio Lower Upper  
95 100  
174 72.6 0.0 146.6  
176 69.6 0.0 141.2



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 9.420 min Scan# 2513  
Delta R.T. 0.000 min  
Lab File: VU045028.D  
Acq: 30 Sep 2021 05:48

Tgt Ion: 117 Resp: 337793  
Ion Ratio Lower Upper  
117 100  
82 60.9 47.8 71.8  
119 31.7 25.8 38.6



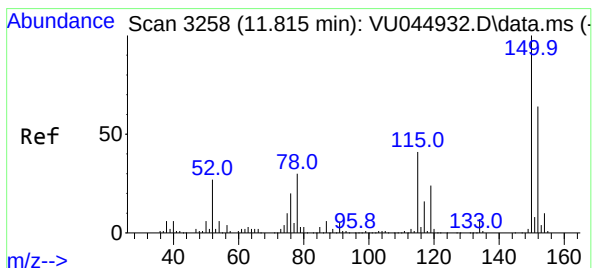
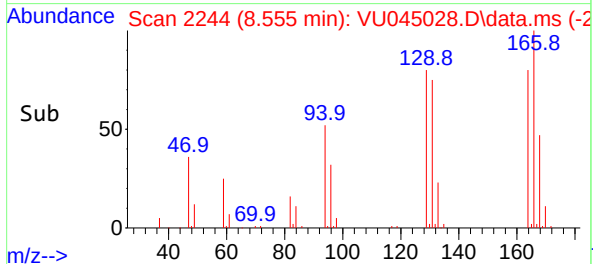
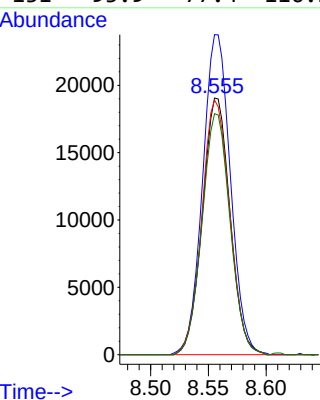
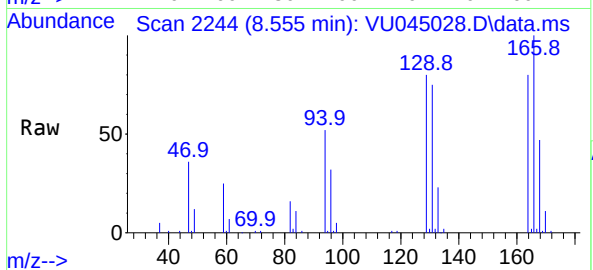


#64  
Tetrachloroethene  
Concen: 14.40 ug/l  
RT: 8.555 min Scan# 2244  
Delta R.T. 0.000 min  
Lab File: VU045028.D  
Acq: 30 Sep 2021 05:48

Instrument :  
MSVOA\_U  
ClientSampled :  
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Tgt Ion:164 Resp: 31749

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 166 | 124.7 | 102.8 | 154.2 |
| 129 | 99.2  | 79.4  | 119.2 |
| 131 | 93.9  | 77.4  | 116.2 |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 11.816 min Scan# 3258  
Delta R.T. 0.001 min  
Lab File: VU045028.D  
Acq: 30 Sep 2021 05:48

Tgt Ion:152 Resp: 150787

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 61.6  | 43.5  | 130.7 |
| 150 | 157.0 | 0.0   | 350.0 |

