

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU110821\  
 Data File : VU045613.D  
 Acq On : 08 Nov 2021 14:23  
 Operator : SY/MD  
 Sample : M4571-02  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MW-4

Quant Time: Nov 09 09:56:14 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U110521W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 05 13:35:16 2021  
 Response via : Initial Calibration

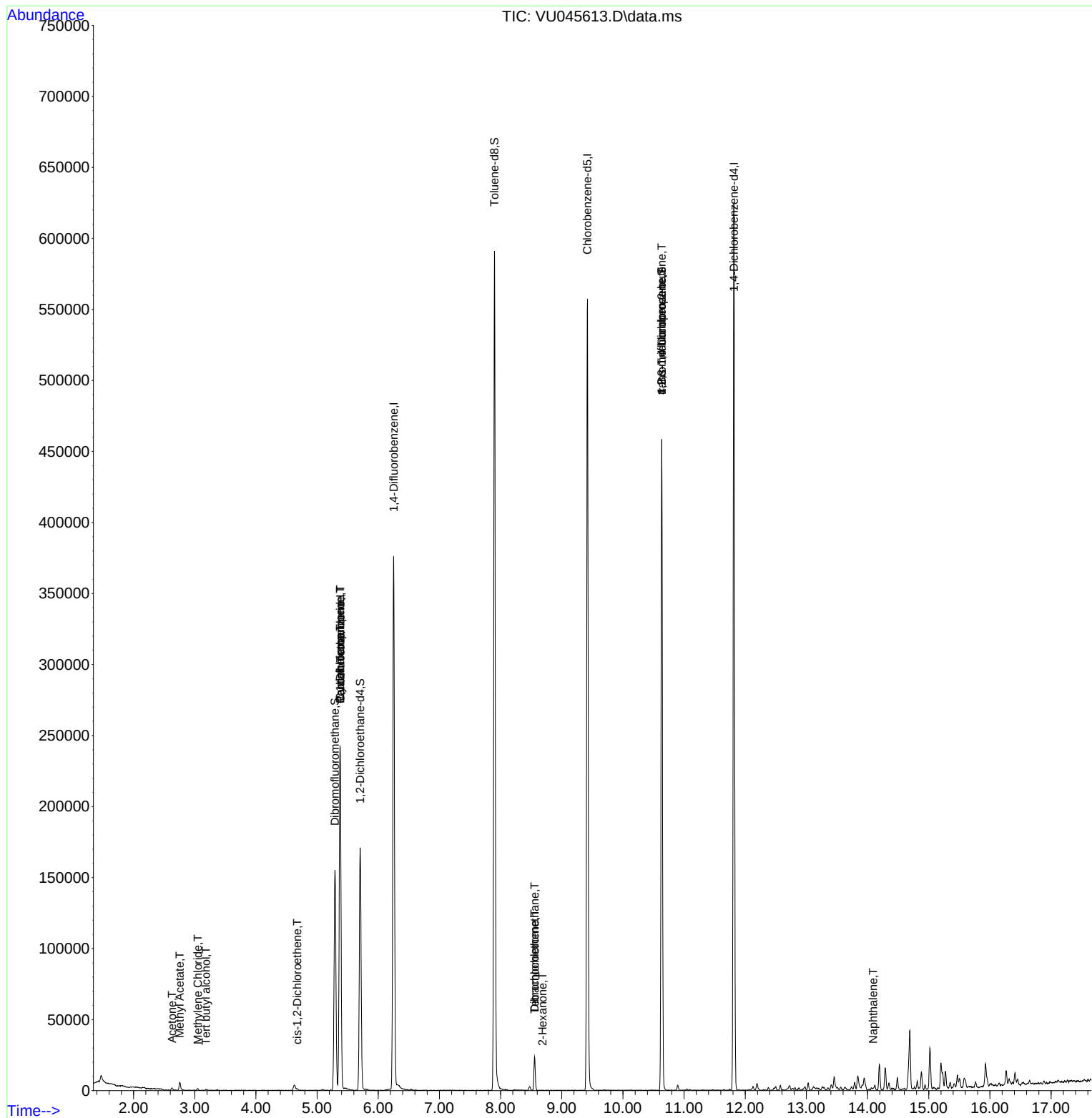
| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.379     | 168   | 162755   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.253     | 114   | 298101   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 9.420     | 117   | 305389   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 11.816    | 152   | 159285   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.703     | 65    | 127989   | 52.510   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 78 - 117 | Recovery | = 105.020% |          |
| 35) Dibromofluoromethane      | 5.292     | 113   | 100736   | 50.614   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 75 - 124 | Recovery | = 101.220% |          |
| 50) Toluene-d8                | 7.899     | 98    | 391568   | 52.909   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 92 - 112 | Recovery | = 105.820% |          |
| 62) 4-Bromofluorobenzene      | 10.636    | 95    | 153461   | 51.711   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 83 - 123 | Recovery | = 103.420% |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 11) Tert butyl alcohol        | 3.182     | 59    | 495      | 1.026    | ug/l #     | 72       |
| 16) Acetone                   | 2.629     | 43    | 1983     | 1.598    | ug/l       | 93       |
| 18) Methyl Acetate            | 2.755     | 43    | 1701     | 0.402    | ug/l #     | 50       |
| 20) Methylene Chloride        | 3.051     | 84    | 642      | 0.298    | ug/l       | 88       |
| 27) cis-1,2-Dichloroethene    | 4.674     | 96    | 531      | 0.243    | ug/l       | 86       |
| 31) Cyclohexane               | 5.375     | 56    | 3515     | 0.988    | ug/l #     | 7        |
| 36) 1,1-Dichloropropene       | 5.375     | 75    | 13824    | 4.756    | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 5.379     | 117   | 17313    | 5.908    | ug/l #     | 16       |
| 59) 2-Hexanone                | 8.687     | 43    | 63       | 7.556    | ug/l #     | 21       |
| 60) Dibromochloromethane      | 8.555     | 129   | 5010     | 2.203    | ug/l #     | 11       |
| 64) Tetrachloroethene         | 8.558     | 164   | 4939     | 2.818    | ug/l       | 96       |
| 76) 1,2,3-Trichloropropane    | 10.636    | 75    | 79044    | 16.364   | ug/l #     | 42       |
| 81) trans-1,4-Dichloro-2-b... | 10.636    | 75    | 79044    | 53.391   | ug/l #     | 12       |
| 95) Naphthalene               | 14.092    | 128   | 1788     | 1.165    | ug/l #     | 76       |
| -----                         |           |       |          |          |            |          |

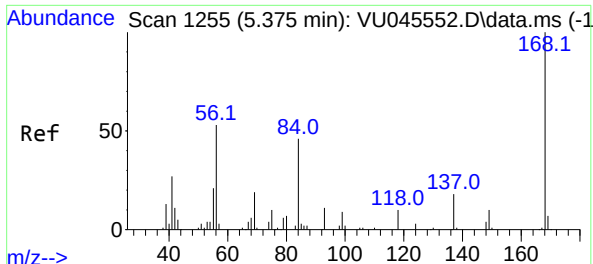
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU110821\  
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Sample : M4571-02  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
MW-4

Quant Time: Nov 09 09:56:14 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U110521W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 05 13:35:16 2021  
Response via : Initial Calibration

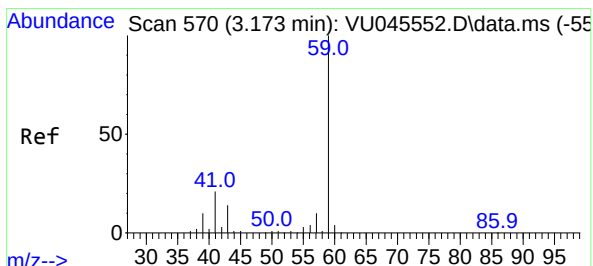
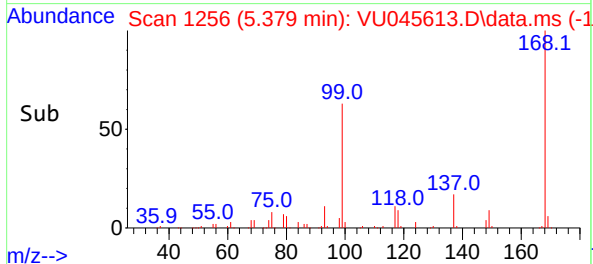
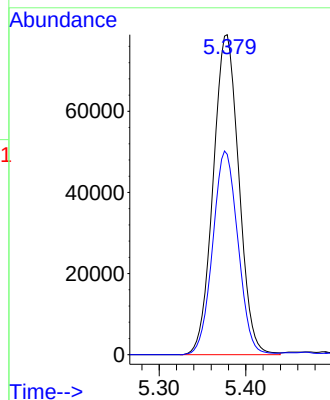
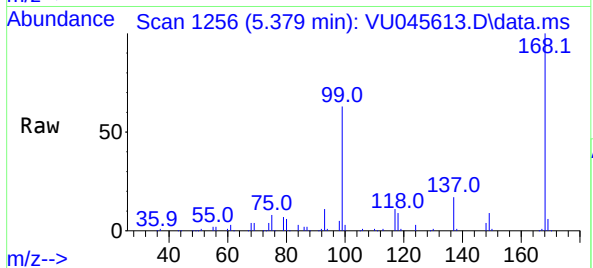




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.379 min Scan# 11  
Delta R.T. 0.004 min  
Lab File: VU045613.D  
Acq: 08 Nov 2021 14:23

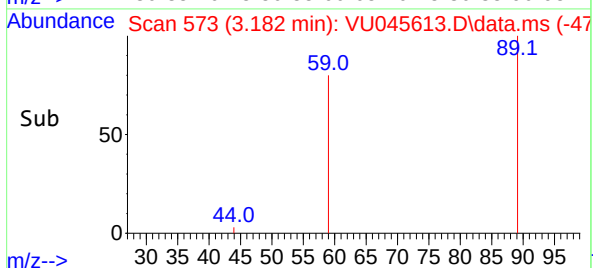
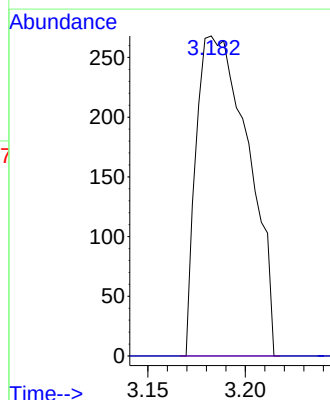
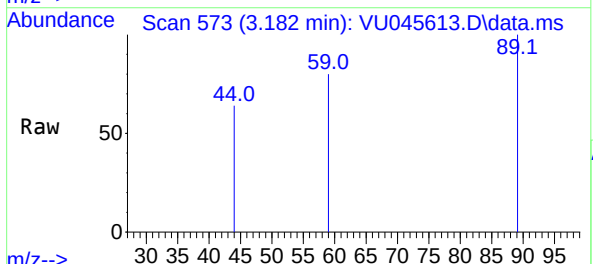
Instrument :  
MSVOA\_U  
ClientSampleId :  
MW-4

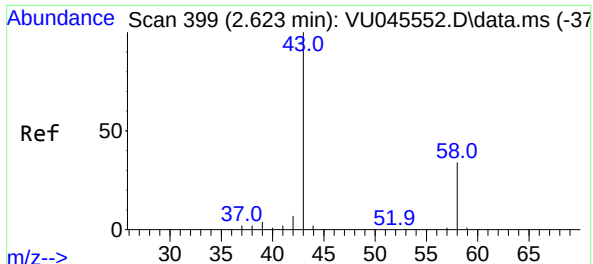
Tgt Ion:168 Resp: 162755  
Ion Ratio Lower Upper  
168 100  
99 62.6 51.0 76.6



#11  
Tert butyl alcohol  
Concen: 1.026 ug/l  
RT: 3.182 min Scan# 573  
Delta R.T. 0.010 min  
Lab File: VU045613.D  
Acq: 08 Nov 2021 14:23

Tgt Ion: 59 Resp: 495  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.3 12.5#

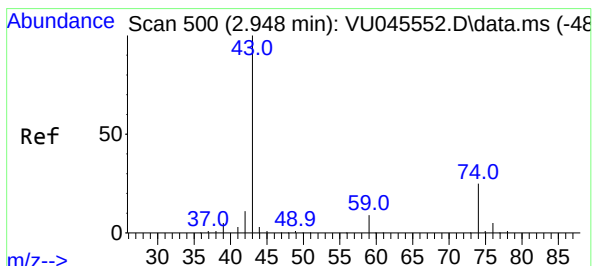
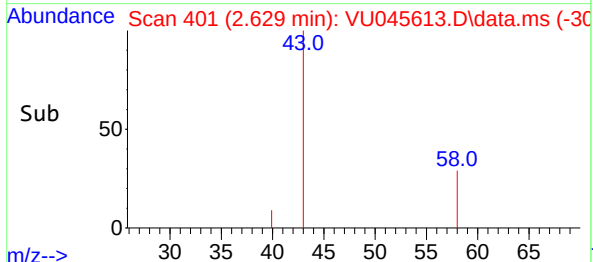
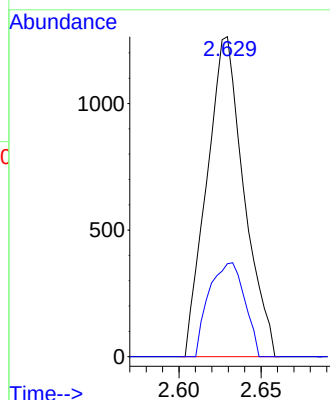
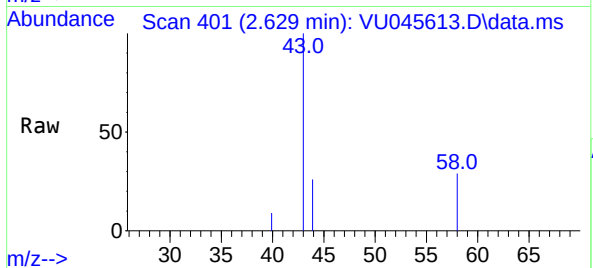




#16  
Acetone  
Concen: 1.598 ug/l  
RT: 2.629 min Scan# 401  
Delta R.T. 0.006 min  
Lab File: VU045613.D  
Acq: 08 Nov 2021 14:23

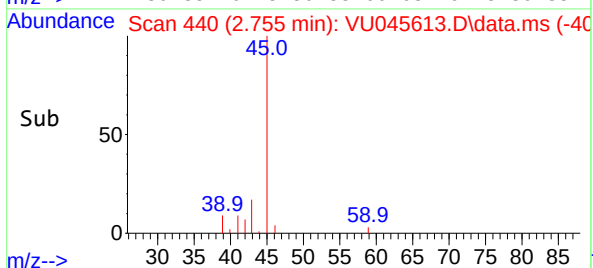
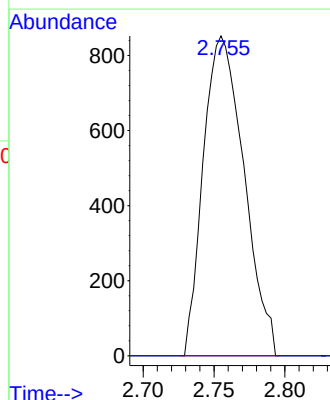
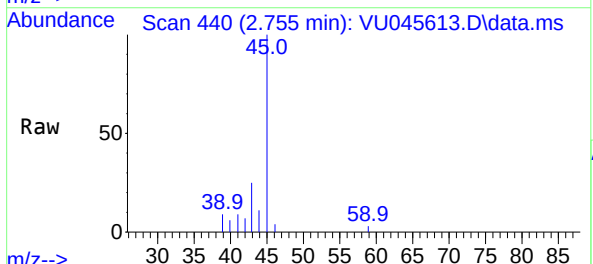
Instrument :  
MSVOA\_U  
ClientSampleId :  
MW-4

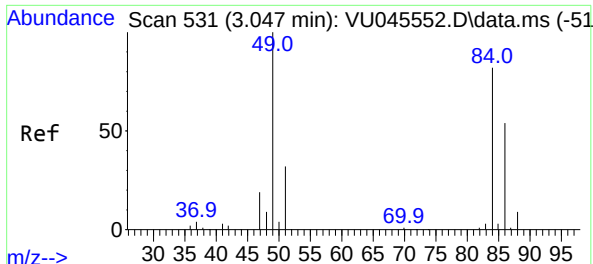
Tgt Ion: 43 Resp: 1983  
Ion Ratio Lower Upper  
43 100  
58 29.0 26.2 39.2



#18  
Methyl Acetate  
Concen: 0.402 ug/l  
RT: 2.755 min Scan# 440  
Delta R.T. -0.193 min  
Lab File: VU045613.D  
Acq: 08 Nov 2021 14:23

Tgt Ion: 43 Resp: 1701  
Ion Ratio Lower Upper  
43 100  
74 0.0 20.2 30.2#



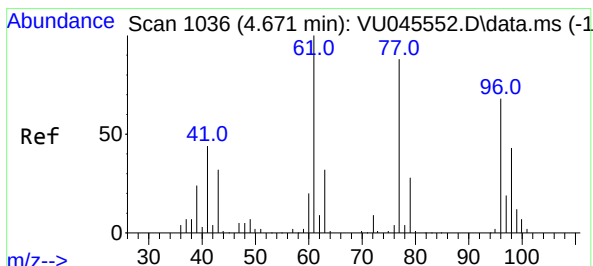
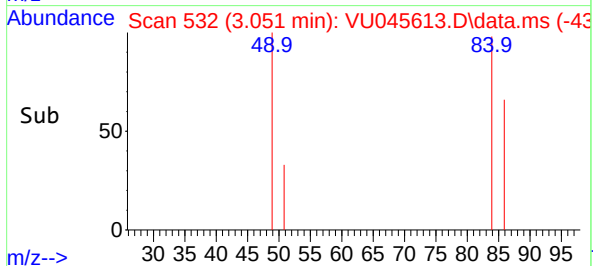
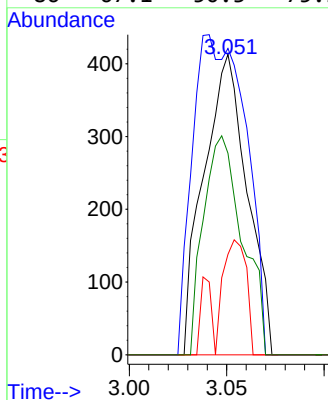
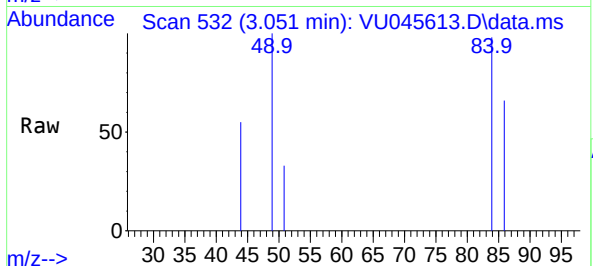


#20  
Methylene Chloride  
Concen: 0.298 ug/l  
RT: 3.051 min Scan# 51  
Delta R.T. 0.003 min  
Lab File: VU045613.D  
Acq: 08 Nov 2021 14:23

Instrument :  
MSVOA\_U  
ClientSampleId :  
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Tgt Ion: 84 Resp: 642

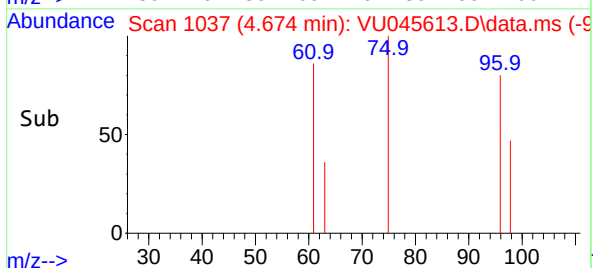
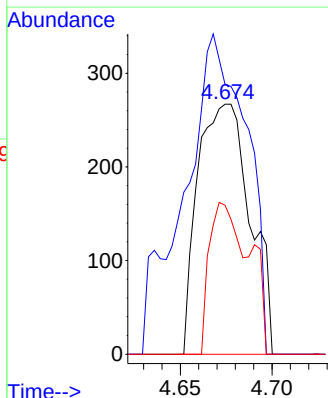
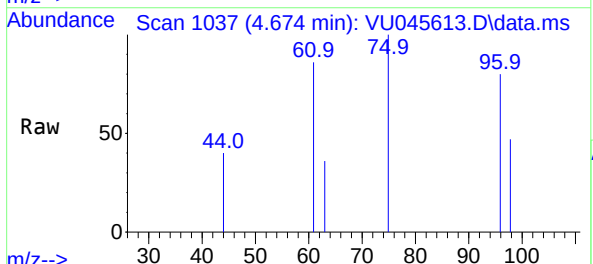
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 101.9 | 96.4  | 144.6 |
| 51  | 33.4  | 30.5  | 45.7  |
| 86  | 67.1  | 50.3  | 75.5  |

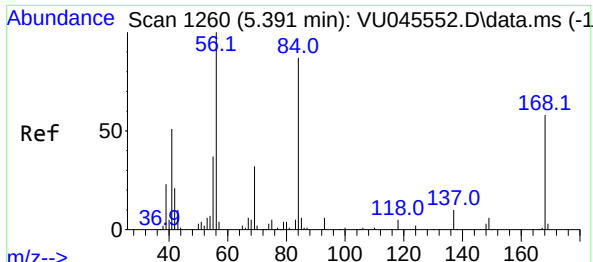


#27  
cis-1,2-Dichloroethene  
Concen: 0.243 ug/l  
RT: 4.674 min Scan# 1037  
Delta R.T. 0.003 min  
Lab File: VU045613.D  
Acq: 08 Nov 2021 14:23

Tgt Ion: 96 Resp: 531

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 136.9 | 0.0   | 299.2 |
| 98  | 46.1  | 0.0   | 127.6 |

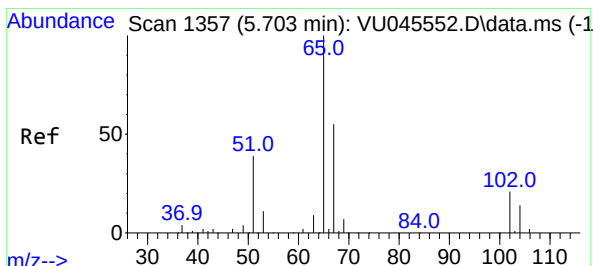
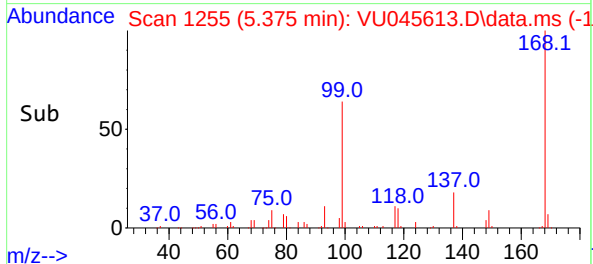
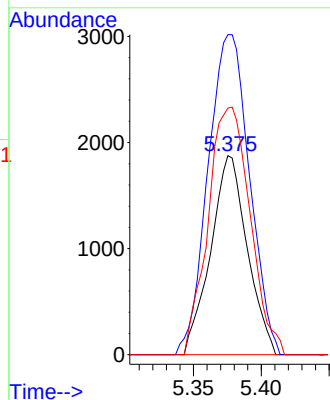
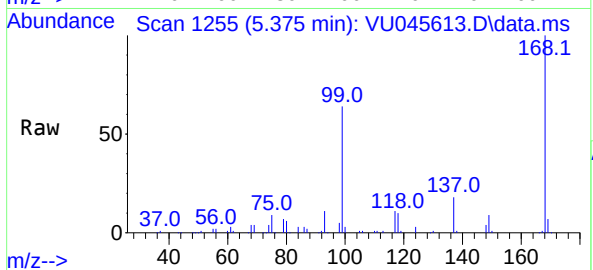




#31  
Cyclohexane  
Concen: 0.988 ug/l  
RT: 5.375 min Scan# 1255  
Delta R.T. -0.016 min  
Lab File: VU045613.D  
Acq: 08 Nov 2021 14:23

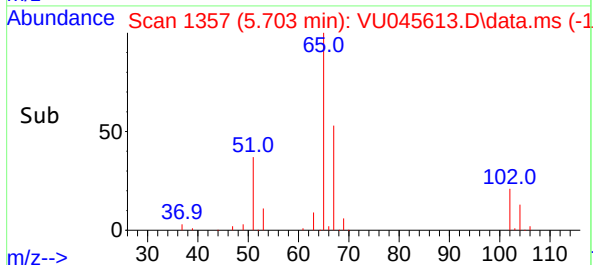
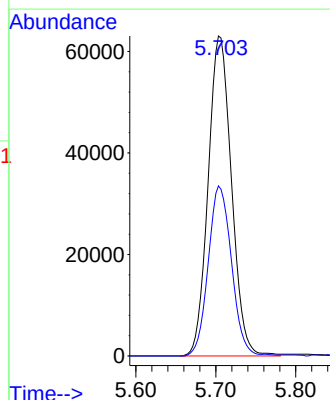
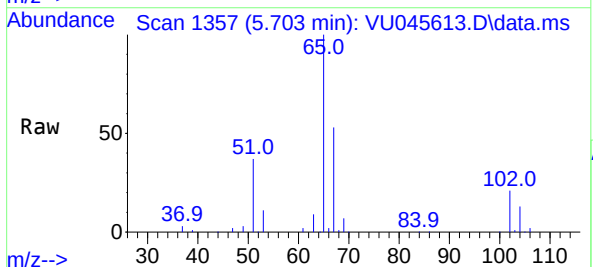
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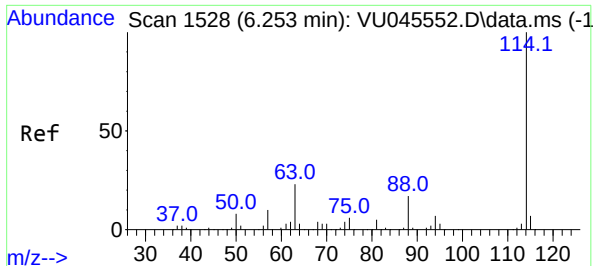
Tgt Ion: 56 Resp: 3515  
Ion Ratio Lower Upper  
56 100  
69 160.8 26.4 39.6#  
84 123.9 68.4 102.6#



#33  
1,2-Dichloroethane-d4  
Concen: 52.510 ug/l  
RT: 5.703 min Scan# 1357  
Delta R.T. 0.000 min  
Lab File: VU045613.D  
Acq: 08 Nov 2021 14:23

Tgt Ion: 65 Resp: 127989  
Ion Ratio Lower Upper  
65 100  
67 52.9 0.0 105.8

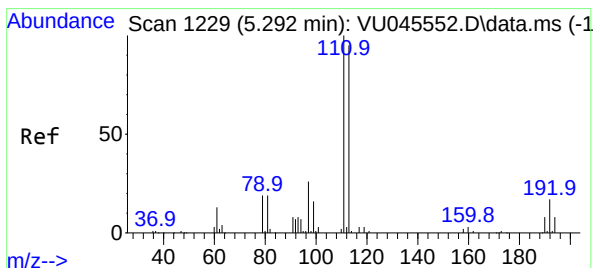
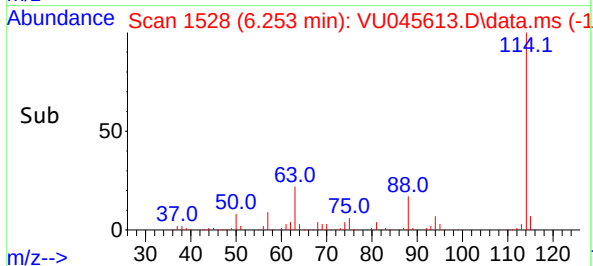
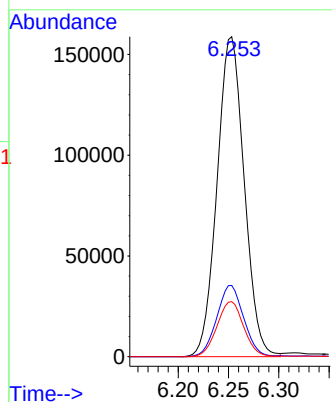
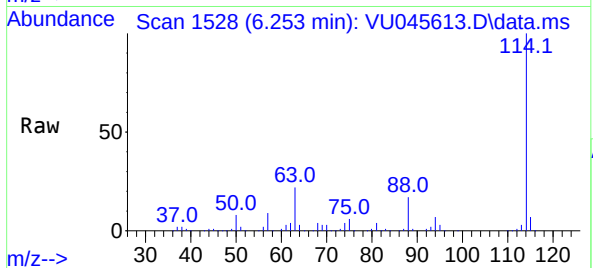




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.253 min Scan# 114  
Delta R.T. 0.000 min  
Lab File: VU045613.D  
Acq: 08 Nov 2021 14:23

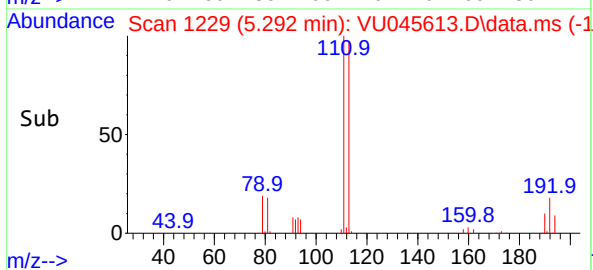
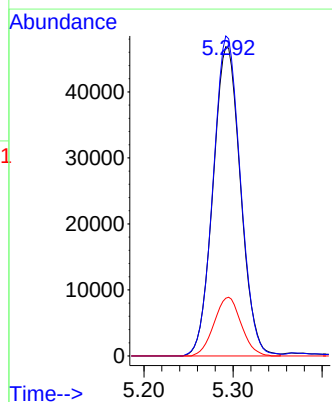
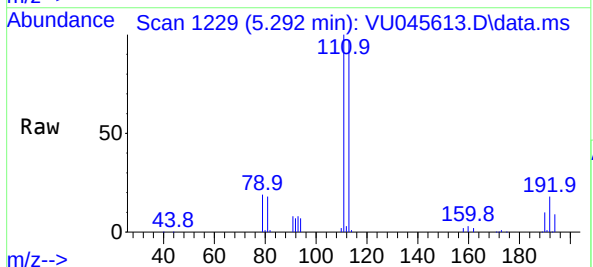
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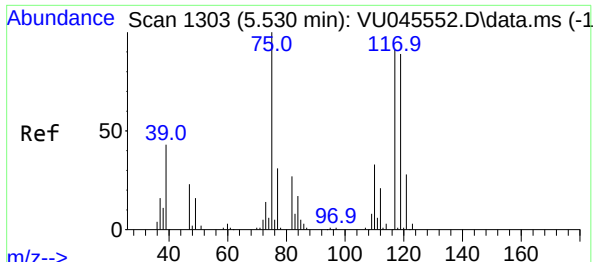
Tgt Ion:114 Resp: 298101  
Ion Ratio Lower Upper  
114 100  
63 22.3 0.0 45.6  
88 17.2 0.0 33.8



#35  
Dibromofluoromethane  
Concen: 50.614 ug/l  
RT: 5.292 min Scan# 1229  
Delta R.T. 0.000 min  
Lab File: VU045613.D  
Acq: 08 Nov 2021 14:23

Tgt Ion:113 Resp: 100736  
Ion Ratio Lower Upper  
113 100  
111 102.2 82.8 124.2  
192 18.7 14.8 22.2

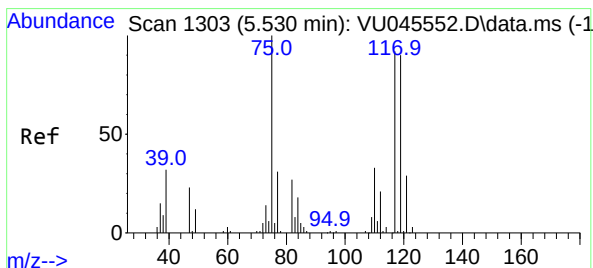
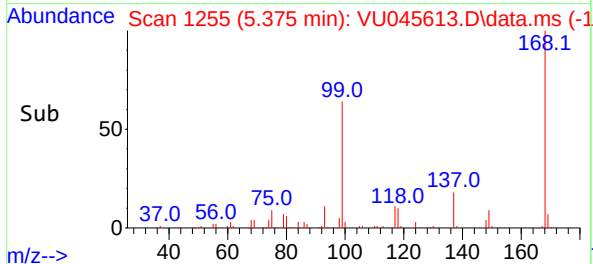
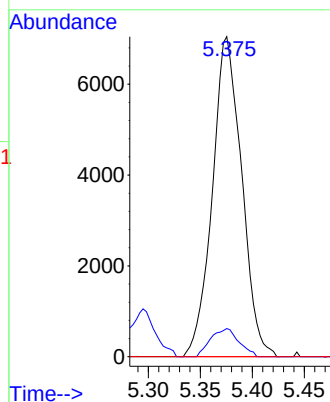
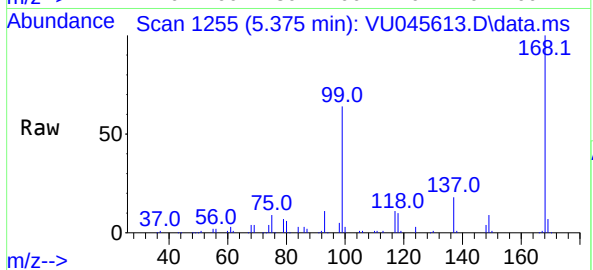




#36  
1,1-Dichloropropene  
Concen: 4.756 ug/l  
RT: 5.375 min Scan# 11  
Delta R.T. -0.154 min  
Lab File: VU045613.D  
Acq: 08 Nov 2021 14:23

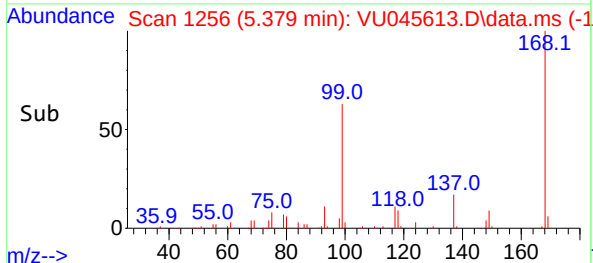
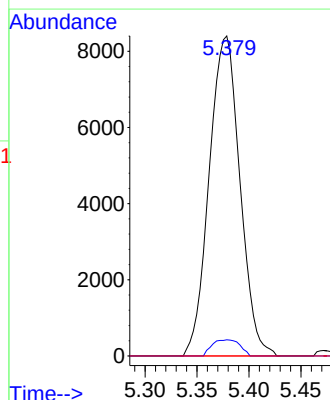
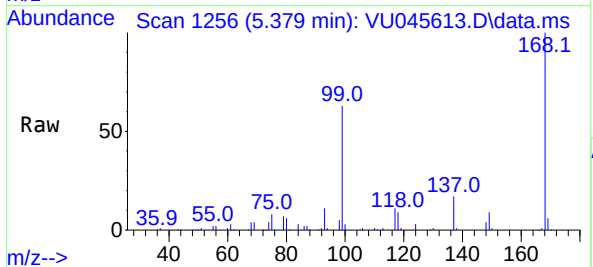
Instrument :  
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ClientSampleId :  
MW-4

Tgt Ion: 75 Resp: 13824  
Ion Ratio Lower Upper  
75 100  
110 8.5 16.7 50.0#  
77 0.0 25.0 37.4#

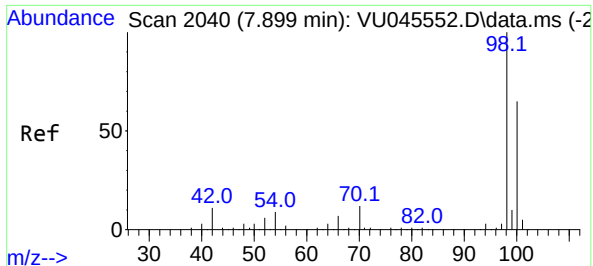


#38  
Carbon Tetrachloride  
Concen: 5.908 ug/l  
RT: 5.379 min Scan# 1256  
Delta R.T. -0.151 min  
Lab File: VU045613.D  
Acq: 08 Nov 2021 14:23

Tgt Ion:117 Resp: 17313  
Ion Ratio Lower Upper  
117 100  
119 5.0 77.4 116.0#  
121 0.0 24.8 37.2#



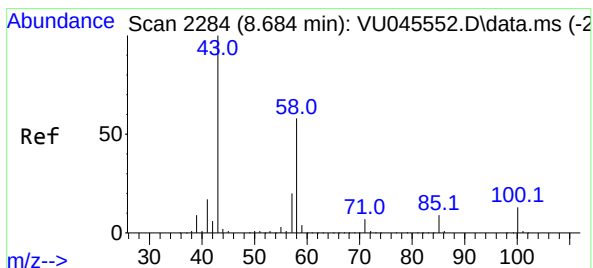
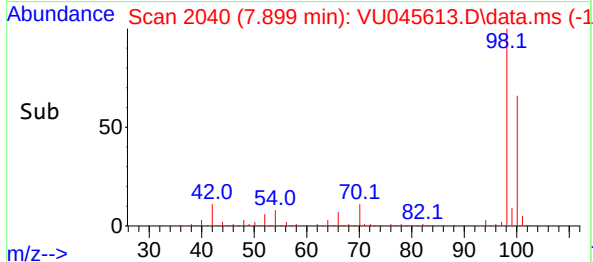
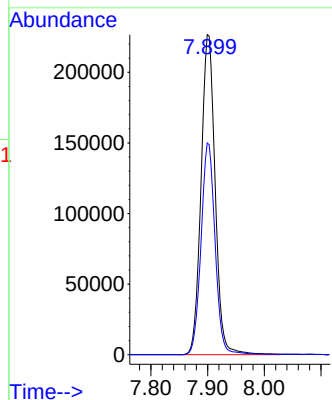
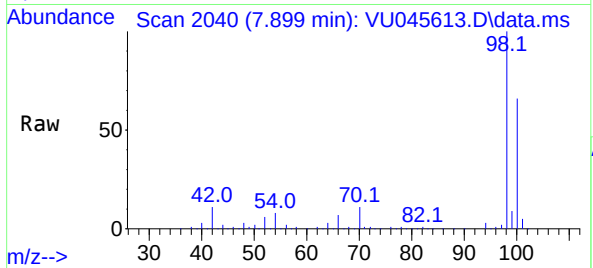




#50  
Toluene-d8  
Concen: 52.909 ug/l  
RT: 7.899 min Scan# 2040  
Delta R.T. 0.000 min  
Lab File: VU045613.D  
Acq: 08 Nov 2021 14:23

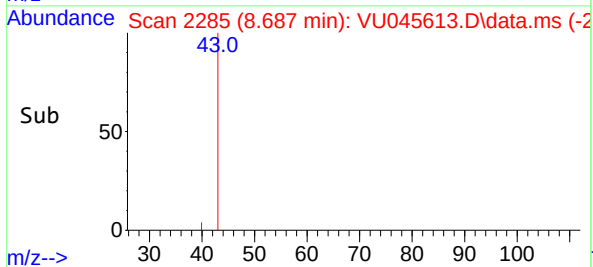
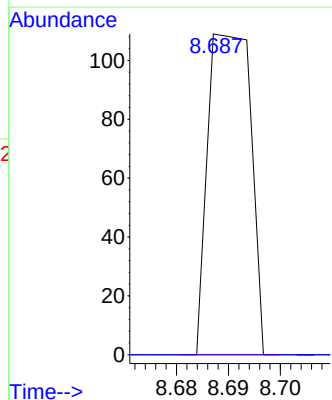
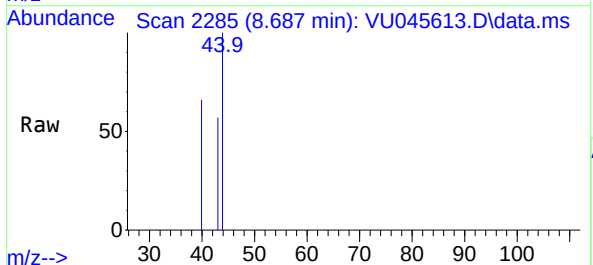
Instrument :  
MSVOA\_U  
ClientSampleId :  
MW-4

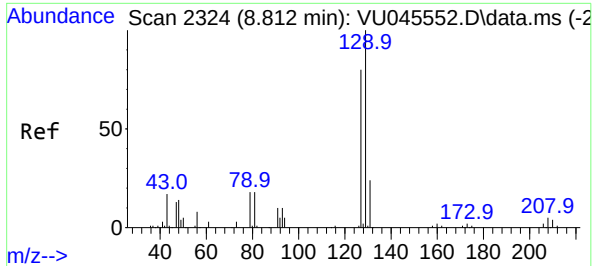
Tgt Ion: 98 Resp: 391568  
Ion Ratio Lower Upper  
98 100  
100 65.9 52.5 78.7



#59  
2-Hexanone  
Concen: 7.556 ug/l  
RT: 8.687 min Scan# 2285  
Delta R.T. 0.003 min  
Lab File: VU045613.D  
Acq: 08 Nov 2021 14:23

Tgt Ion: 43 Resp: 63  
Ion Ratio Lower Upper  
43 100  
58 0.0 29.5 88.6#

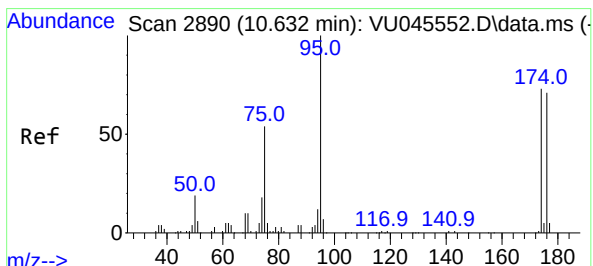
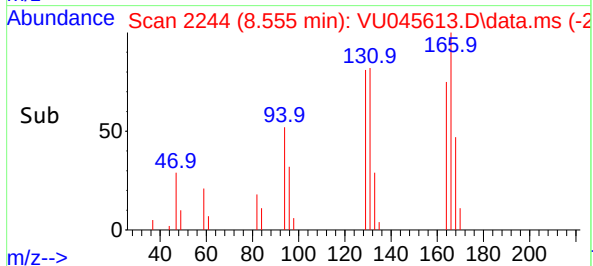
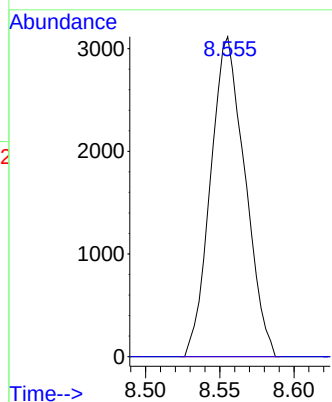
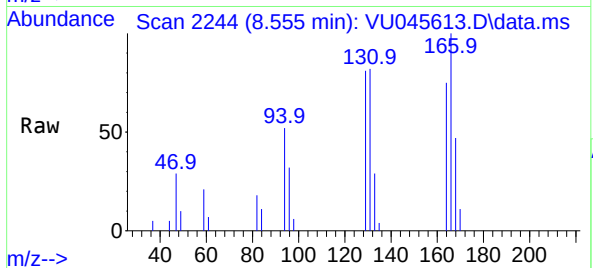




#60  
Dibromochloromethane  
Concen: 2.203 ug/l  
RT: 8.555 min Scan# 211  
Delta R.T. -0.257 min  
Lab File: VU045613.D  
Acq: 08 Nov 2021 14:23

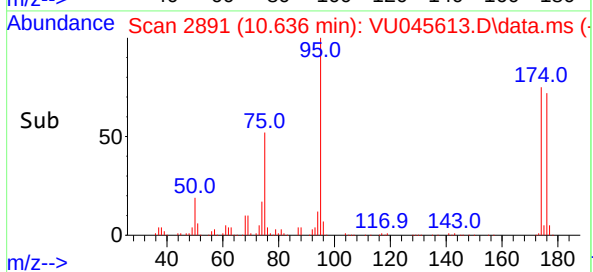
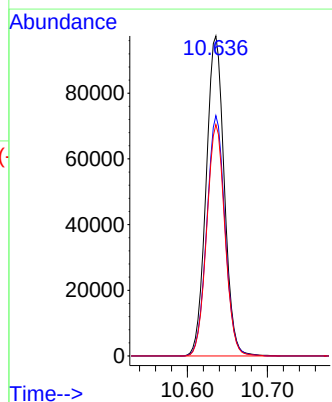
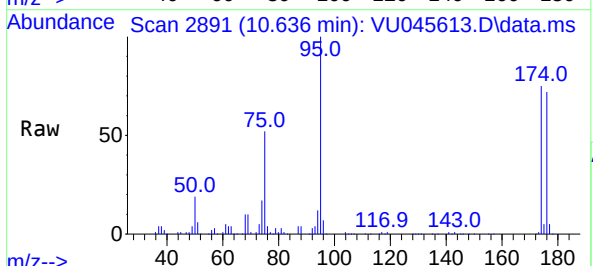
Instrument :  
MSVOA\_U  
ClientSampleId :  
MW-4

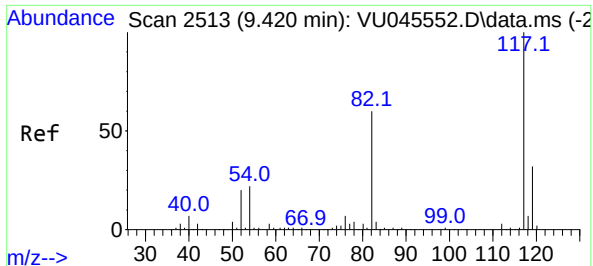
Tgt Ion:129 Resp: 5010  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.5 115.3#



#62  
4-Bromofluorobenzene  
Concen: 51.711 ug/l  
RT: 10.636 min Scan# 2891  
Delta R.T. 0.003 min  
Lab File: VU045613.D  
Acq: 08 Nov 2021 14:23

Tgt Ion: 95 Resp: 153461  
Ion Ratio Lower Upper  
95 100  
174 75.5 0.0 141.8  
176 72.6 0.0 138.2

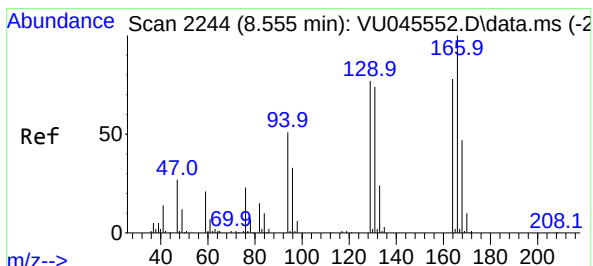
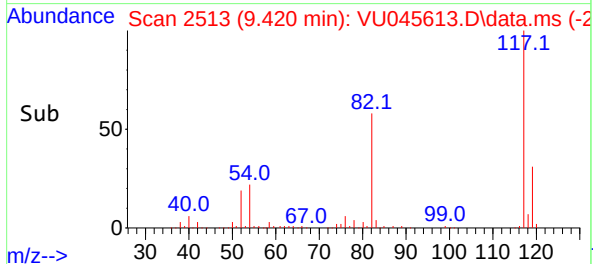
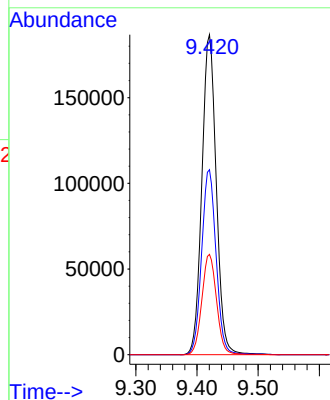
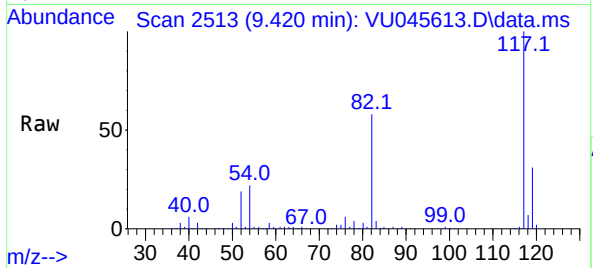




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.420 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU045613.D  
Acq: 08 Nov 2021 14:23

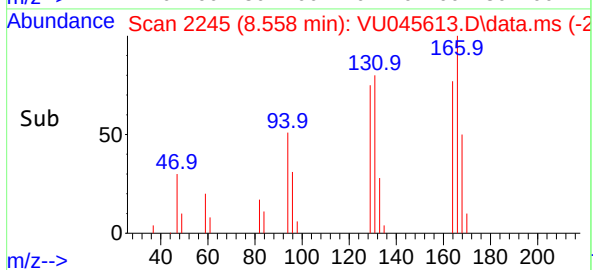
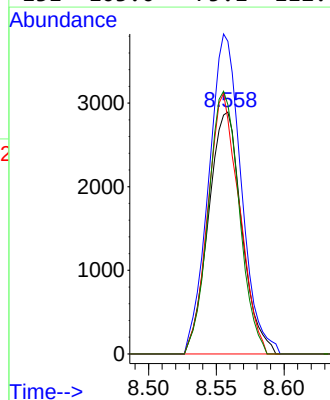
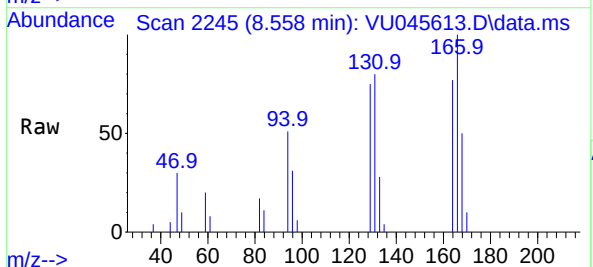
Instrument :  
MSVOA\_U  
ClientSampleId :  
MW-4

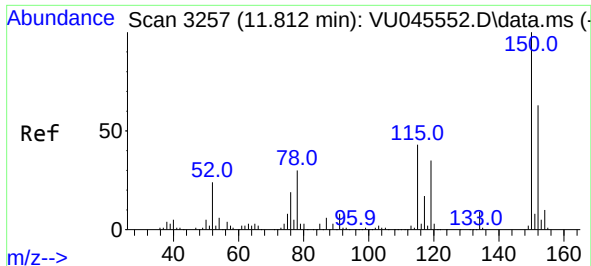
Tgt Ion:117 Resp: 305389  
Ion Ratio Lower Upper  
117 100  
82 57.8 47.8 71.8  
119 31.4 25.8 38.8



#64  
Tetrachloroethene  
Concen: 2.818 ug/l  
RT: 8.558 min Scan# 2245  
Delta R.T. 0.003 min  
Lab File: VU045613.D  
Acq: 08 Nov 2021 14:23

Tgt Ion:164 Resp: 4939  
Ion Ratio Lower Upper  
164 100  
166 129.2 102.2 153.4  
129 97.0 78.2 117.4  
131 103.0 75.1 112.7

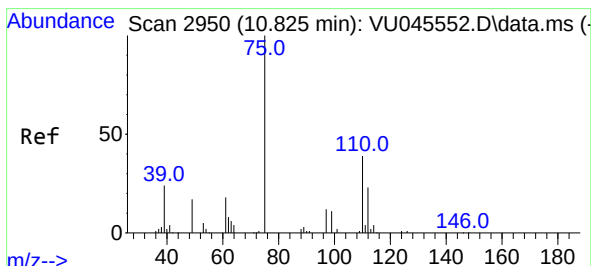
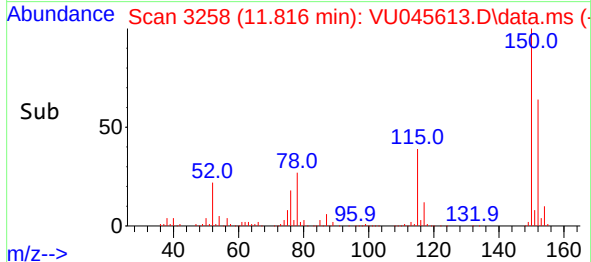
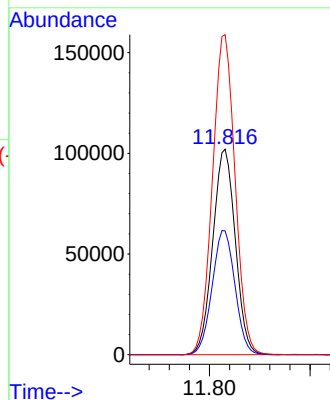
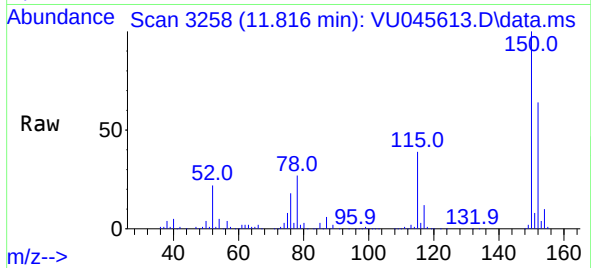




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.816 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VU045613.D  
Acq: 08 Nov 2021 14:23

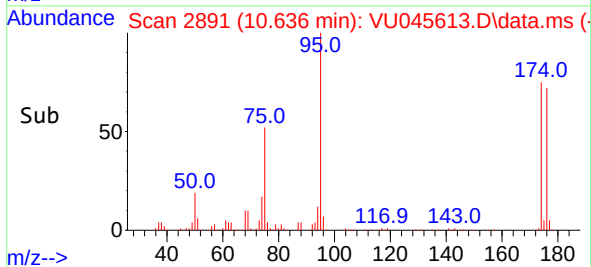
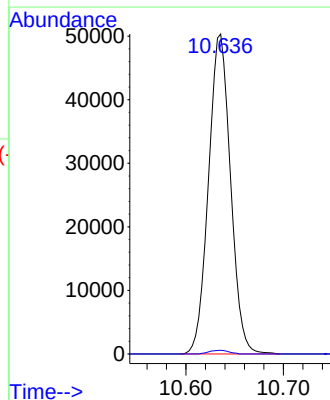
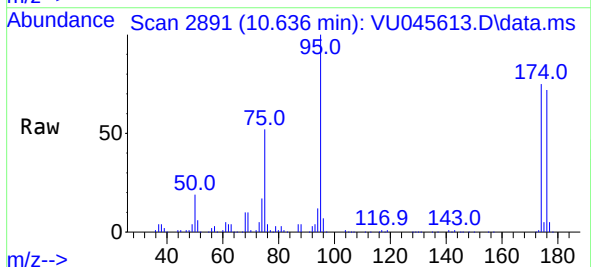
Instrument :  
MSVOA\_U  
ClientSampleId :  
MW-4

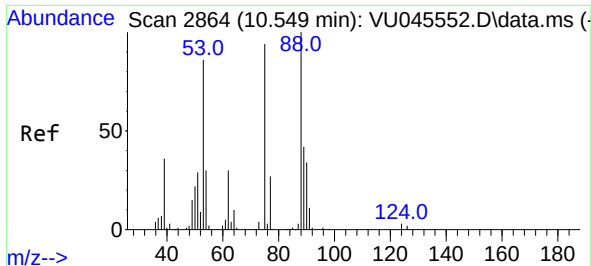
Tgt Ion:152 Resp: 159285  
Ion Ratio Lower Upper  
152 100  
115 61.1 42.7 128.1  
150 156.0 0.0 346.8



#76  
1,2,3-Trichloropropane  
Concen: 16.364 ug/l  
RT: 10.636 min Scan# 2891  
Delta R.T. -0.190 min  
Lab File: VU045613.D  
Acq: 08 Nov 2021 14:23

Tgt Ion: 75 Resp: 79044  
Ion Ratio Lower Upper  
75 100  
77 1.0 17.1 51.3#

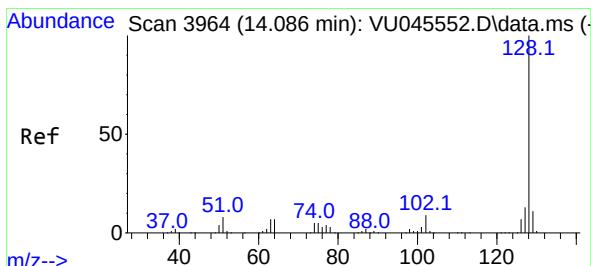
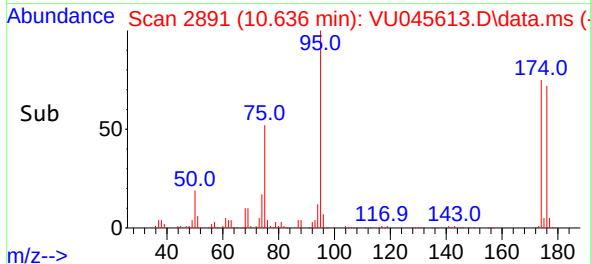
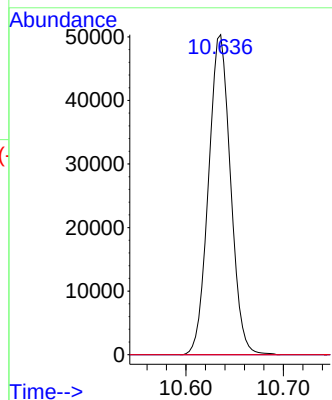
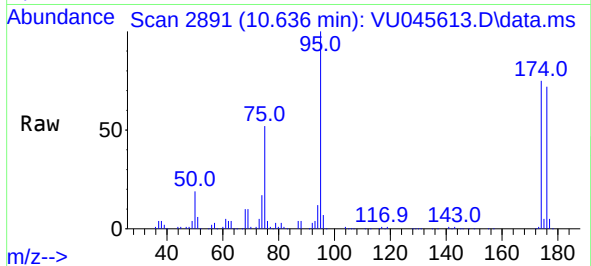




#81  
trans-1,4-Dichloro-2-butene  
Concen: 53.391 ug/l  
RT: 10.636 min Scan# 2864  
Delta R.T. 0.087 min  
Lab File: VU045613.D  
Acq: 08 Nov 2021 14:23

Instrument :  
MSVOA\_U  
ClientSampleId :  
MW-4

Tgt Ion: 75 Resp: 79044  
Ion Ratio Lower Upper  
75 100  
53 0.0 76.2 114.4#  
89 0.0 34.0 51.0#



#95  
Naphthalene  
Concen: 1.165 ug/l  
RT: 14.092 min Scan# 3966  
Delta R.T. 0.006 min  
Lab File: VU045613.D  
Acq: 08 Nov 2021 14:23

Tgt Ion:128 Resp: 1788  
Ion Ratio Lower Upper  
128 100  
127 2.3 10.6 15.8#  
129 3.5 8.6 13.0#

