

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU110821\  
 Data File : VU045638.D  
 Acq On : 09 Nov 2021 00:45  
 Operator : SY/MD  
 Sample : M4495-04  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Nov 09 11:15:00 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

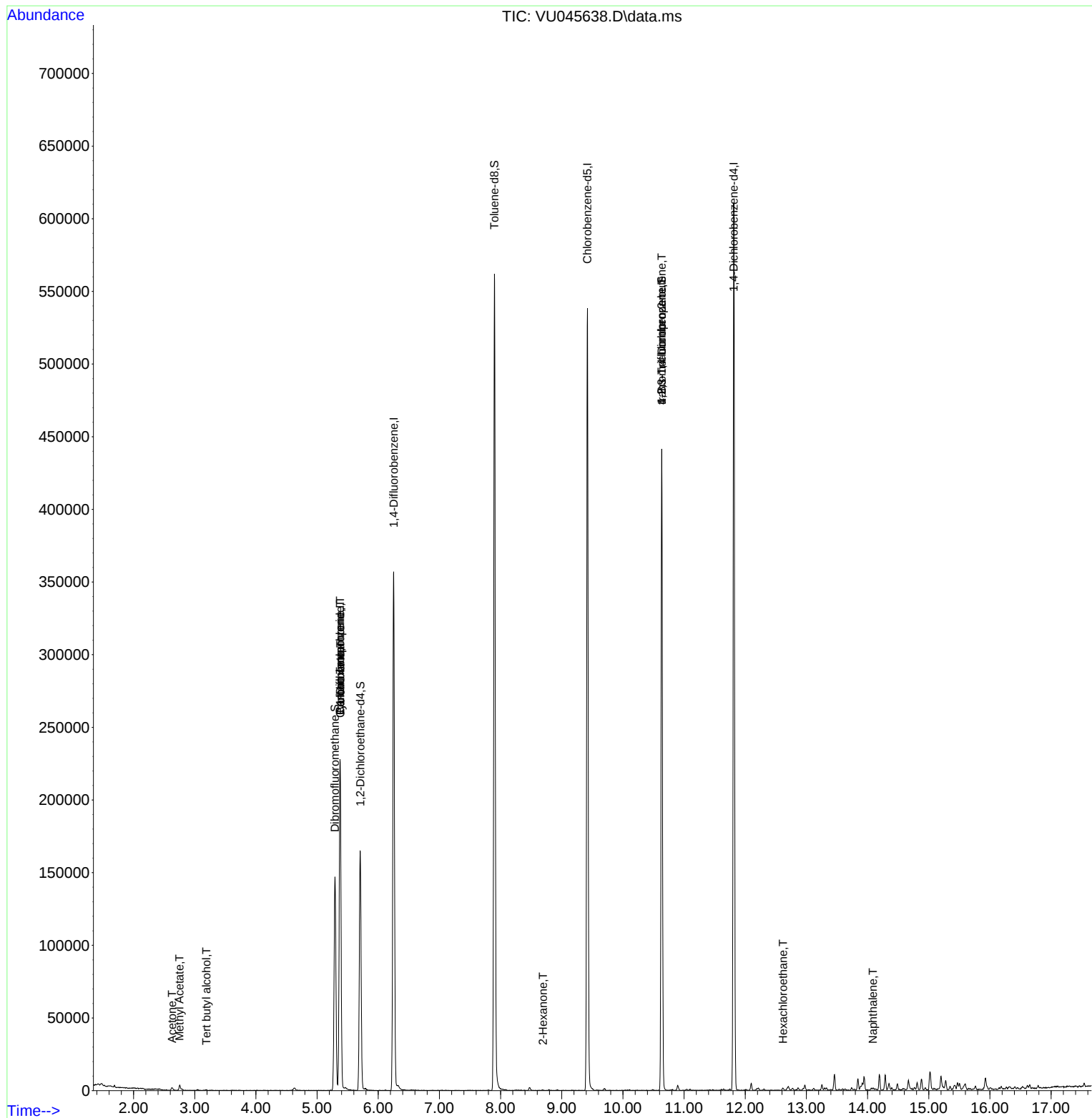
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.375  | 168   | 151489   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.253  | 114   | 286122   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 9.420  | 117   | 292207   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 11.812 | 152   | 151628   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.706  | 65    | 122379   | 53.942   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | = 107.880% |          |
| 35) Dibromofluoromethane      | 5.292  | 113   | 96576    | 50.556   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 101.120% |          |
| 50) Toluene-d8                | 7.899  | 98    | 376355   | 52.983   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | = 105.960% |          |
| 62) 4-Bromofluorobenzene      | 10.636 | 95    | 148134   | 52.006   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | = 104.020% |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 11) Tert butyl alcohol        | 3.192  | 59    | 262      | 0.583    | ug/l #     | 72       |
| 16) Acetone                   | 2.629  | 43    | 2228     | 1.929    | ug/l       | 99       |
| 18) Methyl Acetate            | 2.752  | 43    | 889      | 0.226    | ug/l #     | 50       |
| 31) Cyclohexane               | 5.378  | 56    | 3474     | 1.049    | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 5.375  | 75    | 13414    | 4.808    | ug/l #     | 46       |
| 38) Carbon Tetrachloride      | 5.375  | 117   | 15942    | 5.668    | ug/l #     | 16       |
| 59) 2-Hexanone                | 8.693  | 43    | 263      | 7.626    | ug/l #     | 57       |
| 76) 1,2,3-Trichloropropane    | 10.636 | 75    | 76187    | 16.569   | ug/l #     | 42       |
| 81) trans-1,4-Dichloro-2-b... | 10.636 | 75    | 76187    | 54.022   | ug/l #     | 12       |
| 90) Hexachloroethane          | 12.616 | 117   | 1014     | 0.615    | ug/l #     | 16       |
| 95) Naphthalene               | 14.086 | 128   | 1441     | 1.144    | ug/l #     | 95       |
| -----                         |        |       |          |          |            |          |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU110821\  
Data File : VU045638.D  
Acq On : 09 Nov 2021 00:45  
Operator : SY/MD  
Sample : M4495-04  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

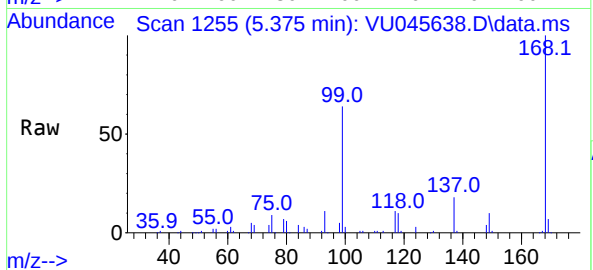
Quant Time: Nov 09 11:15:00 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U110521W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 05 13:35:16 2021  
Response via : Initial Calibration



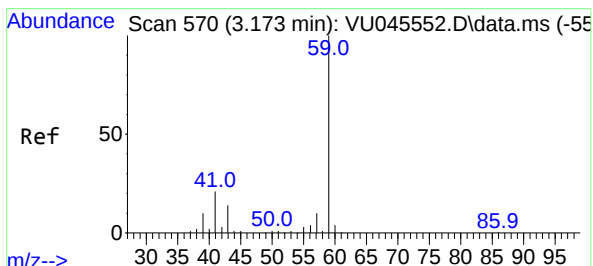
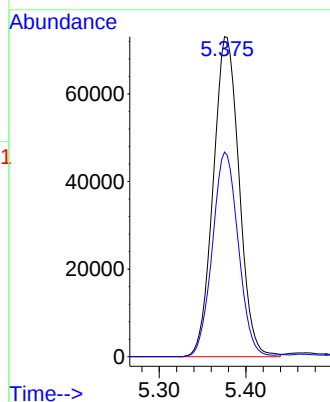
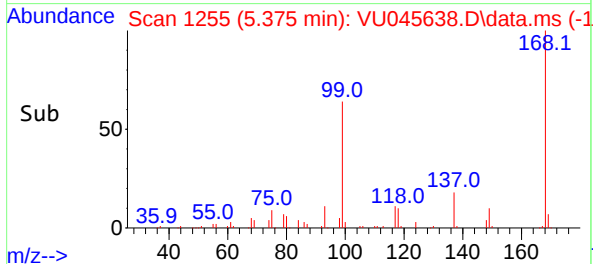


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.375 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU045638.D  
Acq: 09 Nov 2021 00:45

Instrument :  
MSVOA\_U  
ClientSampleId :

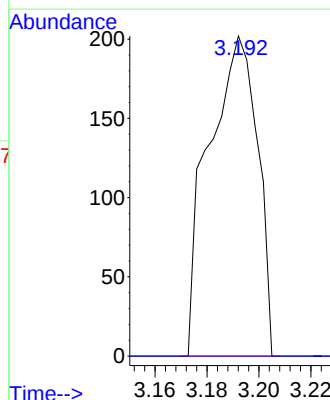
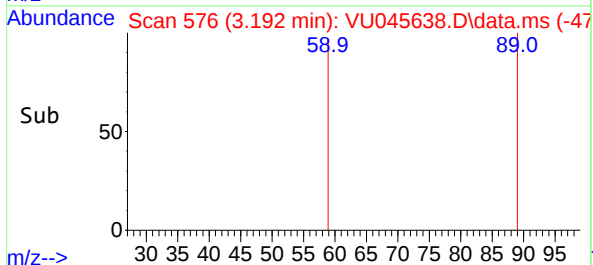
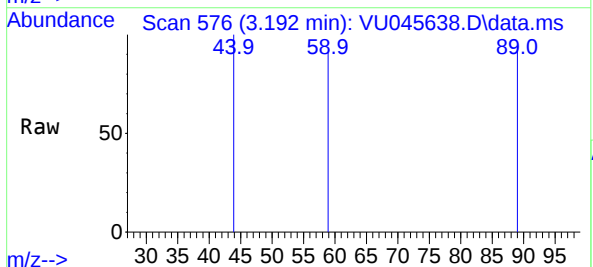


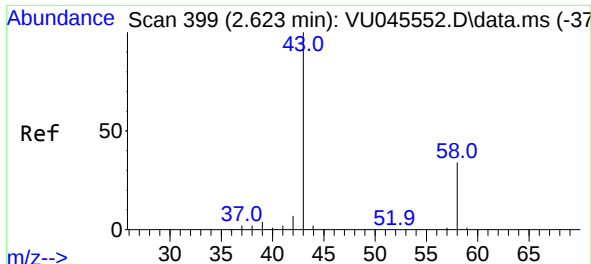
Tgt Ion:168 Resp: 151489  
Ion Ratio Lower Upper  
168 100  
99 63.9 51.0 76.6



#11  
Tert butyl alcohol  
Concen: 0.583 ug/l  
RT: 3.192 min Scan# 576  
Delta R.T. 0.019 min  
Lab File: VU045638.D  
Acq: 09 Nov 2021 00:45

Tgt Ion: 59 Resp: 262  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.3 12.5#

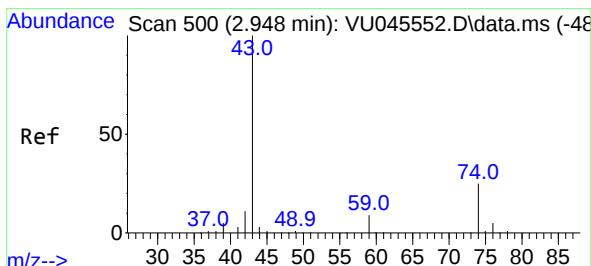
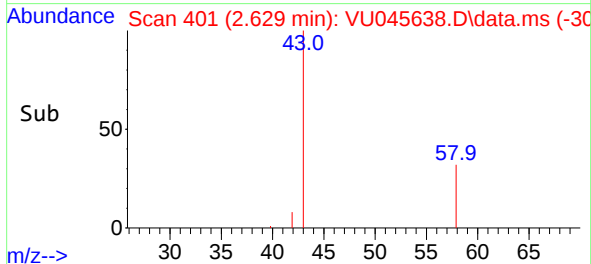
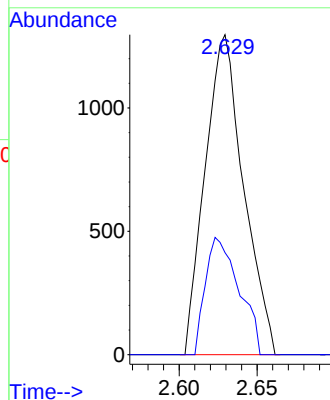
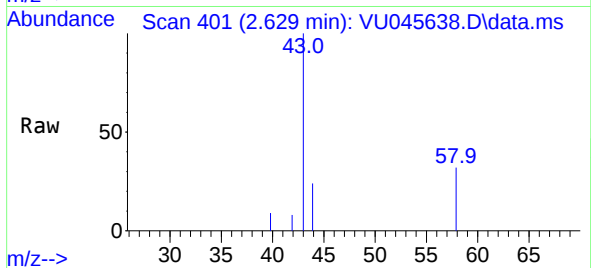




#16  
Acetone  
Concen: 1.929 ug/l  
RT: 2.629 min Scan# 401  
Delta R.T. 0.006 min  
Lab File: VU045638.D  
Acq: 09 Nov 2021 00:45

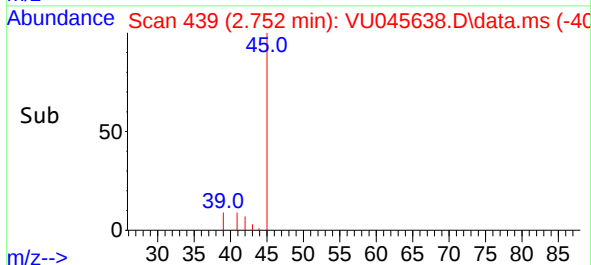
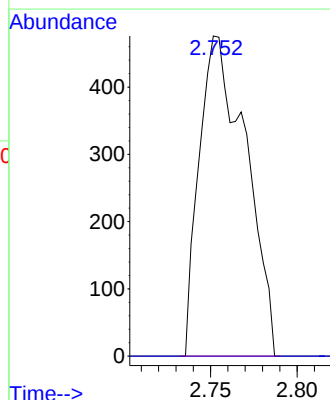
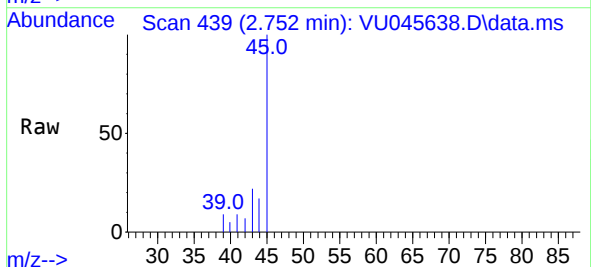
Instrument :  
MSVOA\_U  
ClientSampleId :

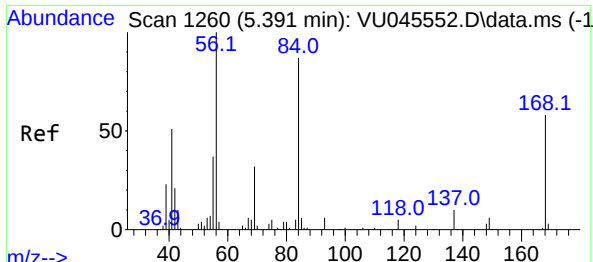
Tgt Ion: 43 Resp: 2228  
Ion Ratio Lower Upper  
43 100  
58 31.9 26.2 39.2



#18  
Methyl Acetate  
Concen: 0.226 ug/l  
RT: 2.752 min Scan# 439  
Delta R.T. -0.196 min  
Lab File: VU045638.D  
Acq: 09 Nov 2021 00:45

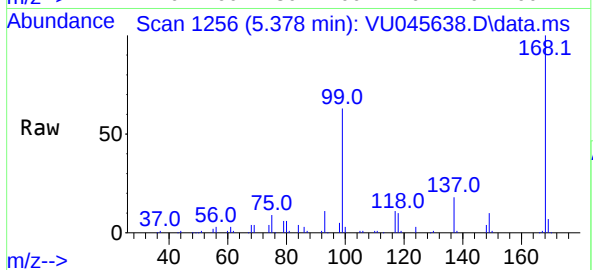
Tgt Ion: 43 Resp: 889  
Ion Ratio Lower Upper  
43 100  
74 0.0 20.2 30.2#



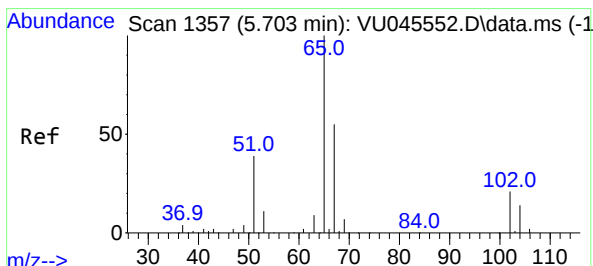
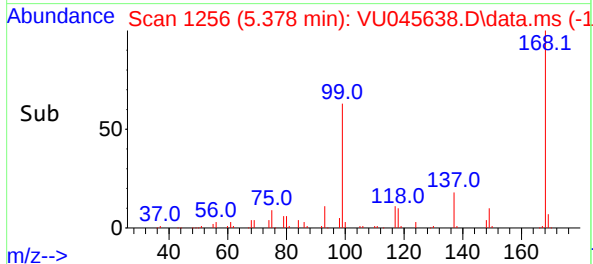
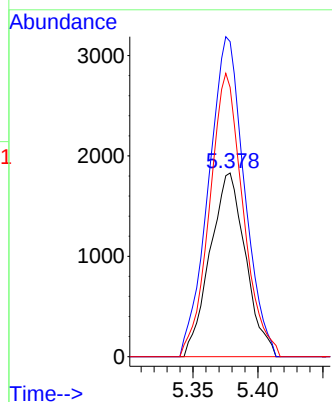


#31  
Cyclohexane  
Concen: 1.049 ug/l  
RT: 5.378 min Scan# 11  
Delta R.T. -0.013 min  
Lab File: VU045638.D  
Acq: 09 Nov 2021 00:45

Instrument :  
MSVOA\_U  
ClientSampleId :

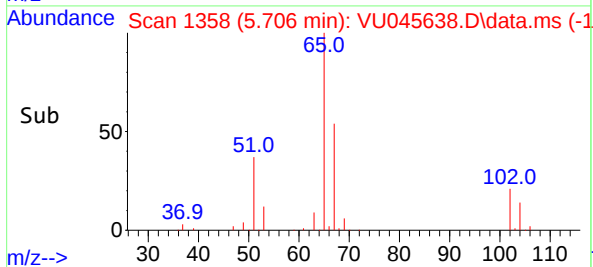
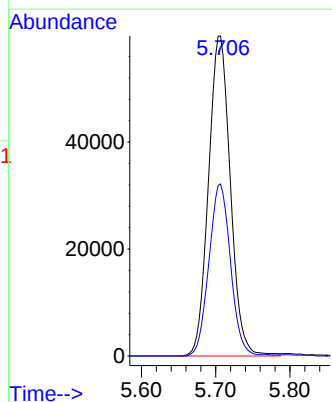
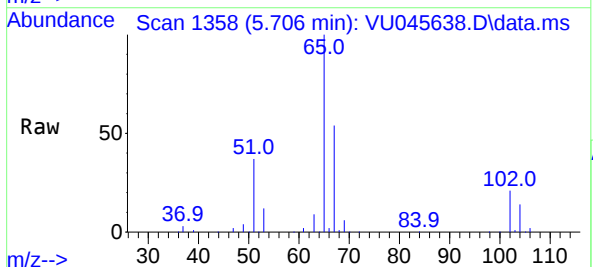


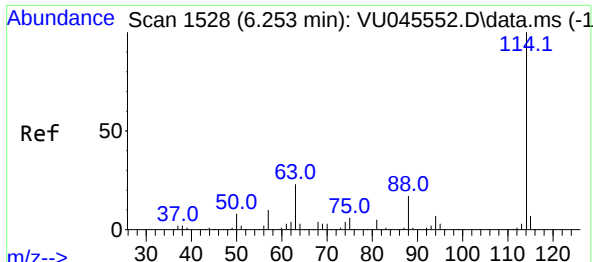
Tgt Ion: 56 Resp: 3474  
Ion Ratio Lower Upper  
56 100  
69 171.5 26.4 39.6#  
84 146.6 68.4 102.6#



#33  
1,2-Dichloroethane-d4  
Concen: 53.942 ug/l  
RT: 5.706 min Scan# 1358  
Delta R.T. 0.003 min  
Lab File: VU045638.D  
Acq: 09 Nov 2021 00:45

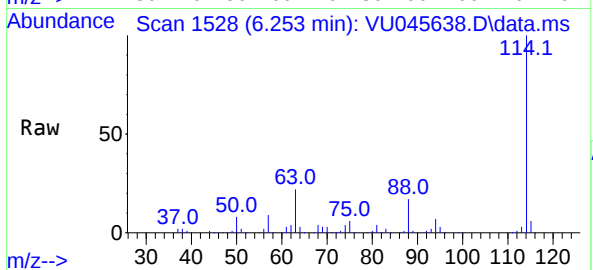
Tgt Ion: 65 Resp: 122379  
Ion Ratio Lower Upper  
65 100  
67 52.9 0.0 105.8



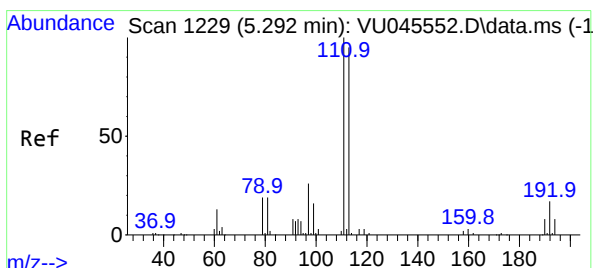
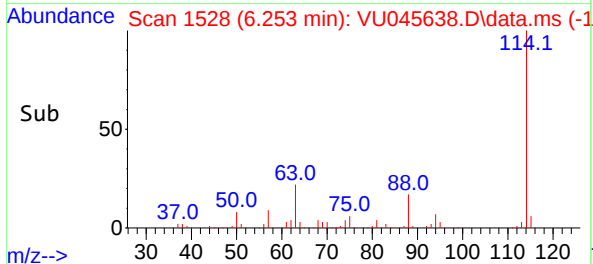
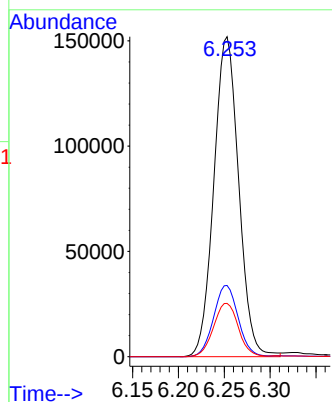


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.253 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU045638.D  
Acq: 09 Nov 2021 00:45

Instrument :  
MSVOA\_U  
ClientSampleId :

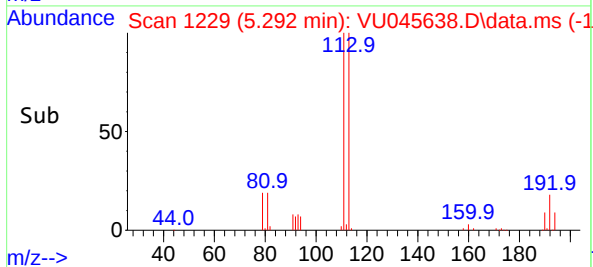
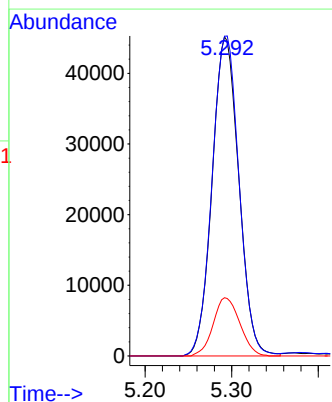
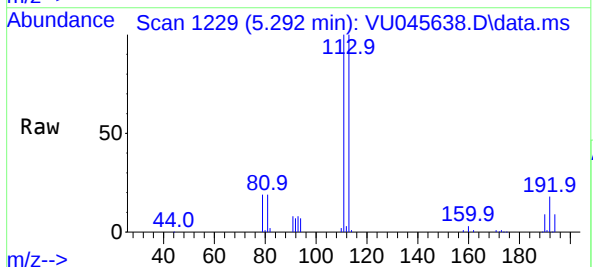


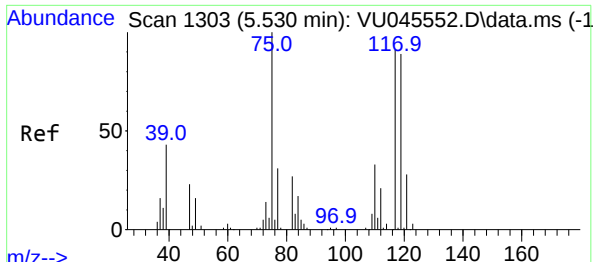
Tgt Ion:114 Resp: 286122  
Ion Ratio Lower Upper  
114 100  
63 22.3 0.0 45.6  
88 16.7 0.0 33.8



#35  
Dibromofluoromethane  
Concen: 50.556 ug/l  
RT: 5.292 min Scan# 1229  
Delta R.T. -0.000 min  
Lab File: VU045638.D  
Acq: 09 Nov 2021 00:45

Tgt Ion:113 Resp: 96576  
Ion Ratio Lower Upper  
113 100  
111 101.2 82.8 124.2  
192 18.3 14.8 22.2

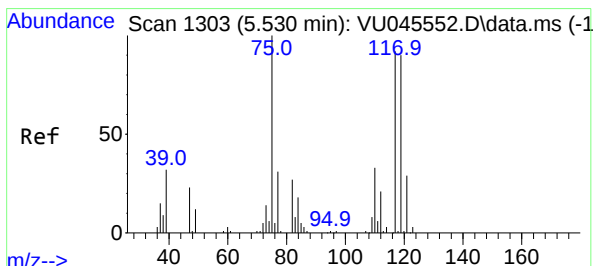
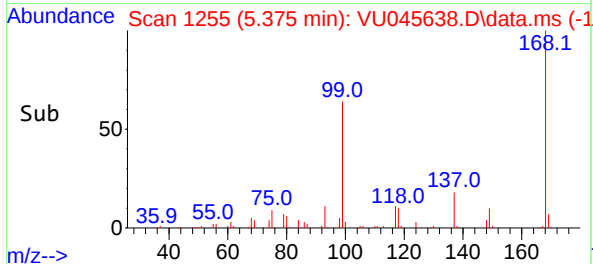
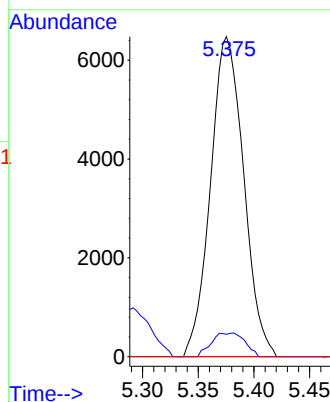
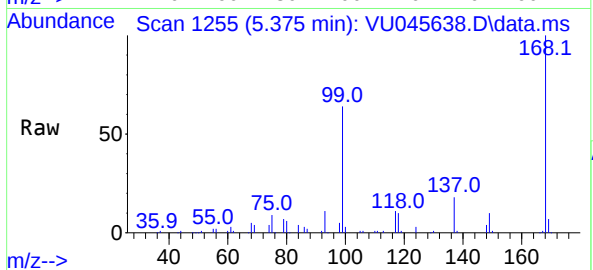




#36  
1,1-Dichloropropene  
Concen: 4.808 ug/l  
RT: 5.375 min Scan# 11  
Delta R.T. -0.154 min  
Lab File: VU045638.D  
Acq: 09 Nov 2021 00:45

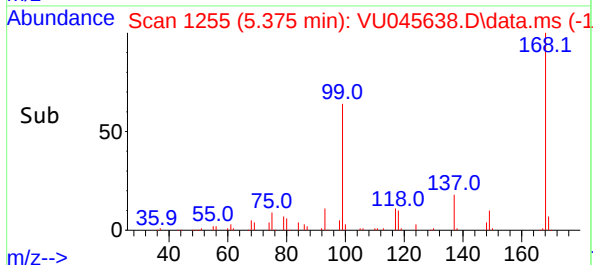
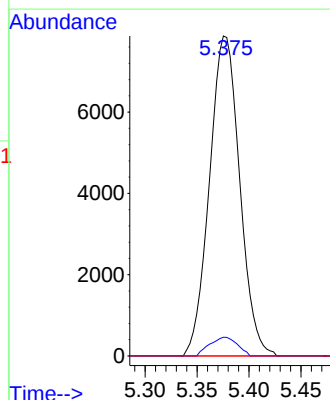
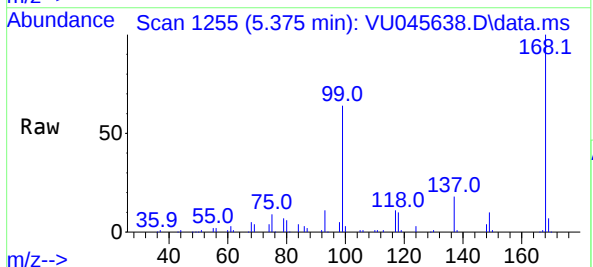
Instrument :  
MSVOA\_U  
ClientSampleId :

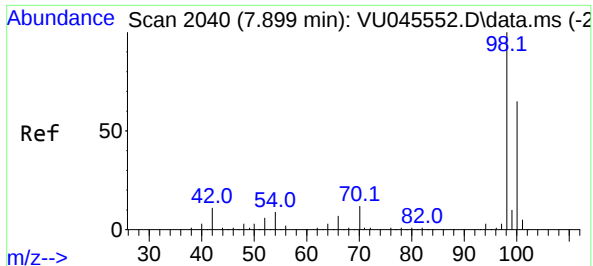
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 13414 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 3.7   | 16.7  | 50.0# |
| 77       | 0.0   | 25.0  | 37.4# |



#38  
Carbon Tetrachloride  
Concen: 5.668 ug/l  
RT: 5.375 min Scan# 1255  
Delta R.T. -0.154 min  
Lab File: VU045638.D  
Acq: 09 Nov 2021 00:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 15942  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 5.8   | 77.4  | 116.0# |
| 121      | 0.0   | 24.8  | 37.2#  |

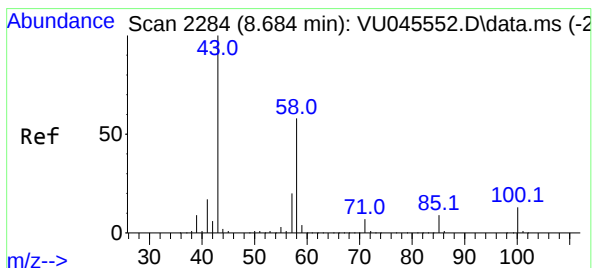
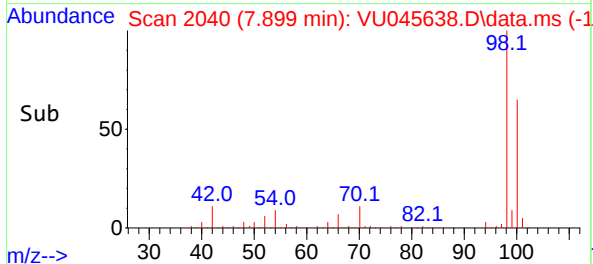
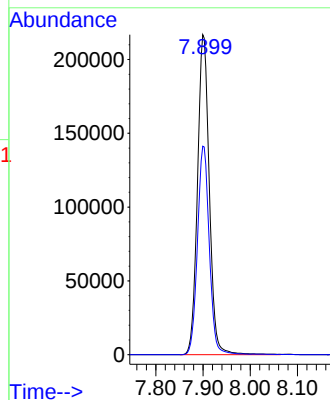
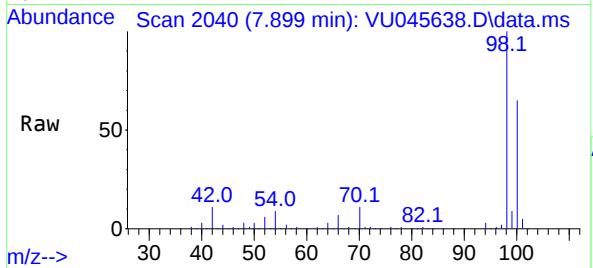




#50  
Toluene-d8  
Concen: 52.983 ug/l  
RT: 7.899 min Scan# 2040  
Delta R.T. -0.000 min  
Lab File: VU045638.D  
Acq: 09 Nov 2021 00:45

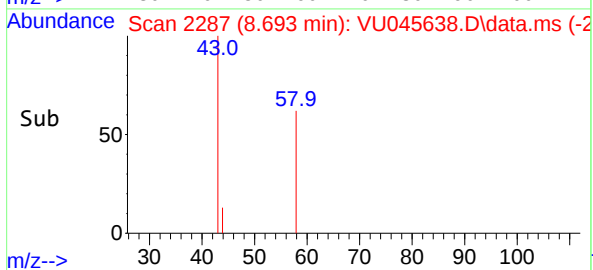
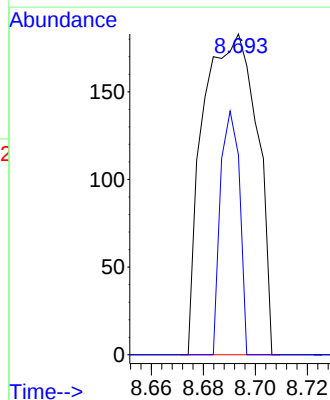
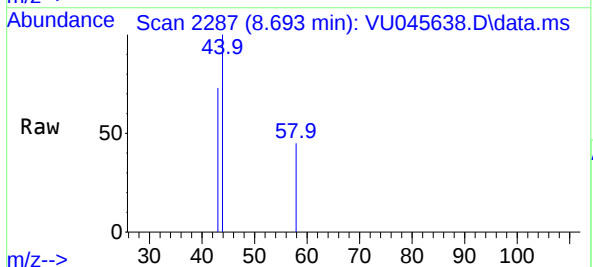
Instrument :  
MSVOA\_U  
ClientSampleId :

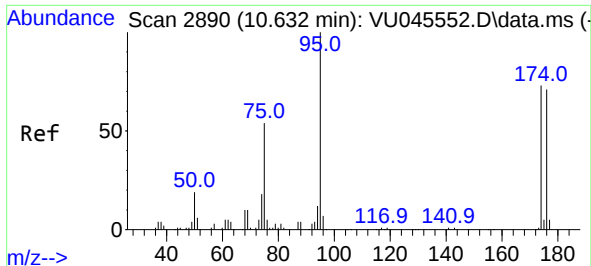
Tgt Ion: 98 Resp: 376355  
Ion Ratio Lower Upper  
98 100  
100 65.1 52.5 78.7



#59  
2-Hexanone  
Concen: 7.626 ug/l  
RT: 8.693 min Scan# 2287  
Delta R.T. 0.009 min  
Lab File: VU045638.D  
Acq: 09 Nov 2021 00:45

Tgt Ion: 43 Resp: 263  
Ion Ratio Lower Upper  
43 100  
58 26.6 29.5 88.6#

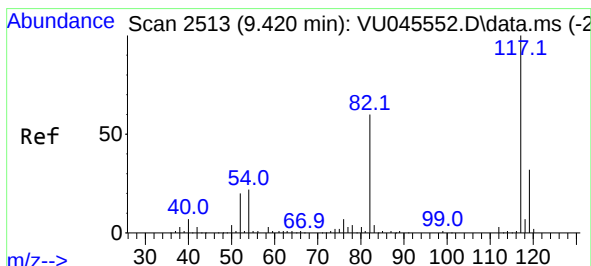
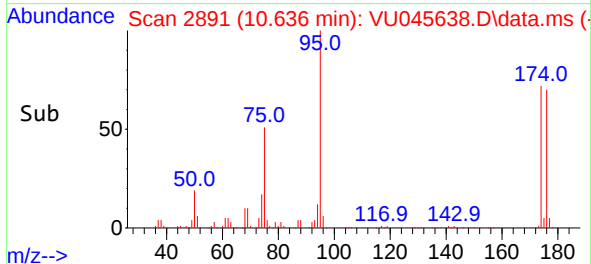
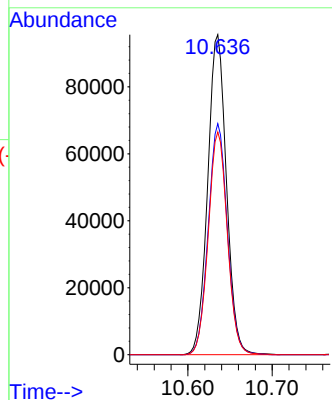
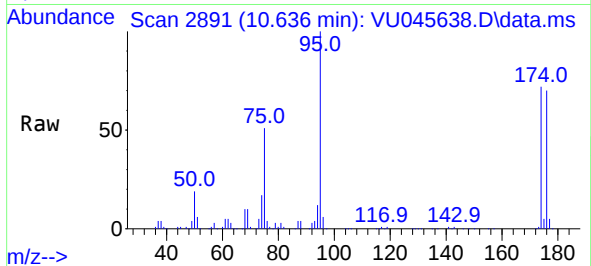




#62  
4-Bromofluorobenzene  
Concen: 52.006 ug/l  
RT: 10.636 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU045638.D  
Acq: 09 Nov 2021 00:45

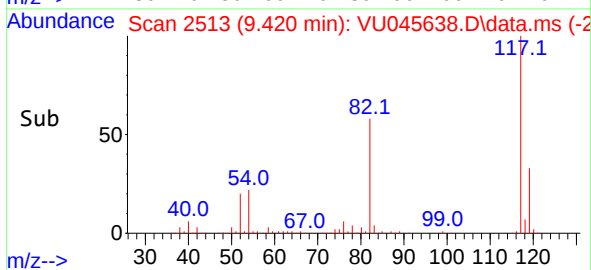
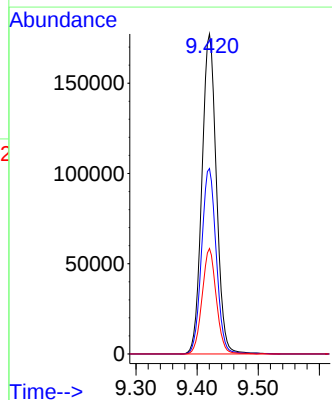
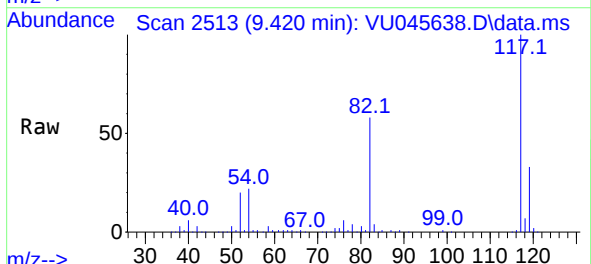
Instrument :  
MSVOA\_U  
ClientSampleId :

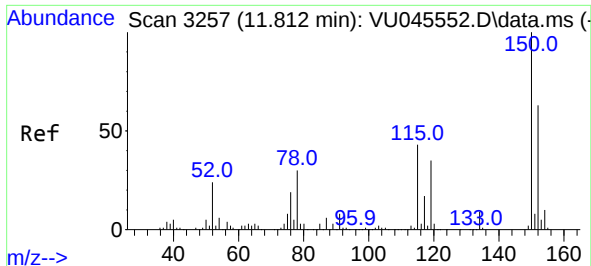
Tgt Ion: 95 Resp: 148134  
Ion Ratio Lower Upper  
95 100  
174 73.5 0.0 141.8  
176 70.6 0.0 138.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.420 min Scan# 2513  
Delta R.T. 0.000 min  
Lab File: VU045638.D  
Acq: 09 Nov 2021 00:45

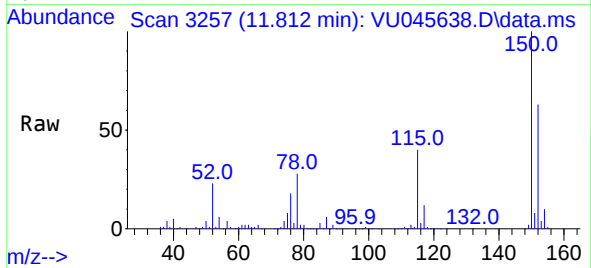
Tgt Ion: 117 Resp: 292207  
Ion Ratio Lower Upper  
117 100  
82 58.0 47.8 71.8  
119 33.0 25.8 38.8



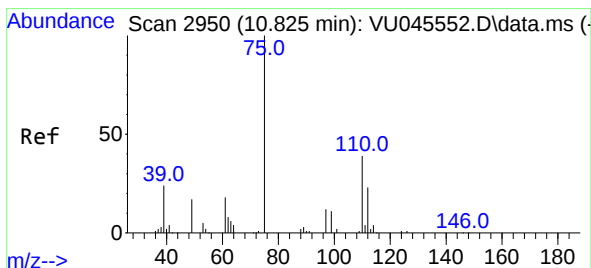
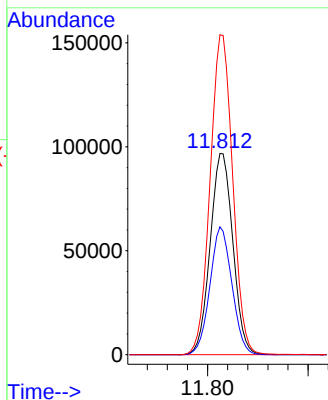
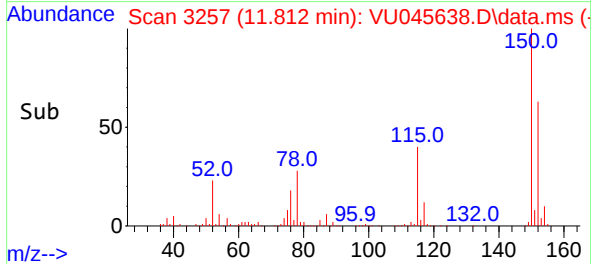


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.812 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VU045638.D  
Acq: 09 Nov 2021 00:45

Instrument :  
MSVOA\_U  
ClientSampleId :

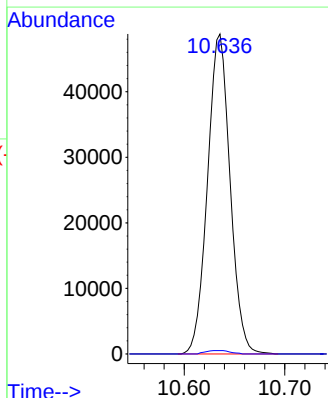
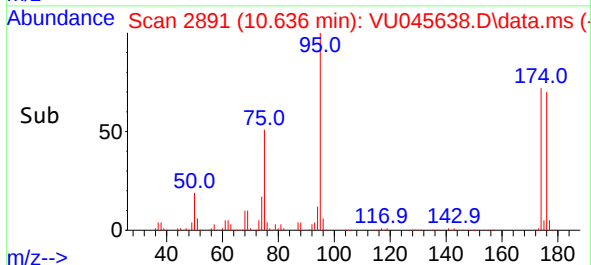
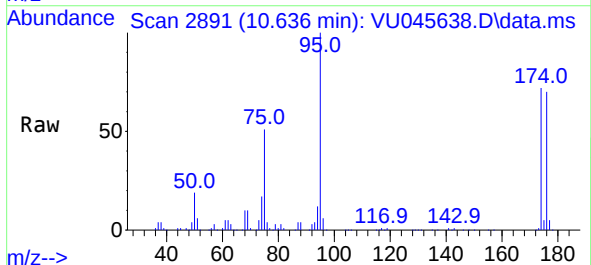


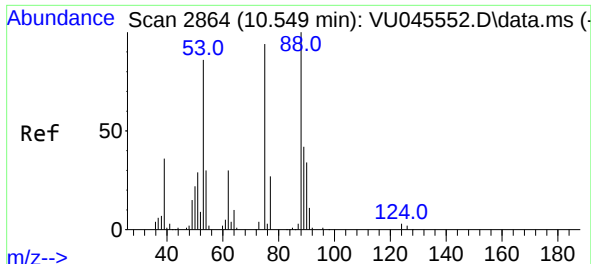
Tgt Ion:152 Resp: 151628  
Ion Ratio Lower Upper  
152 100  
115 61.6 42.7 128.1  
150 158.1 0.0 346.8



#76  
1,2,3-Trichloropropane  
Concen: 16.569 ug/l  
RT: 10.636 min Scan# 2891  
Delta R.T. -0.190 min  
Lab File: VU045638.D  
Acq: 09 Nov 2021 00:45

Tgt Ion: 75 Resp: 76187  
Ion Ratio Lower Upper  
75 100  
77 1.2 17.1 51.3#

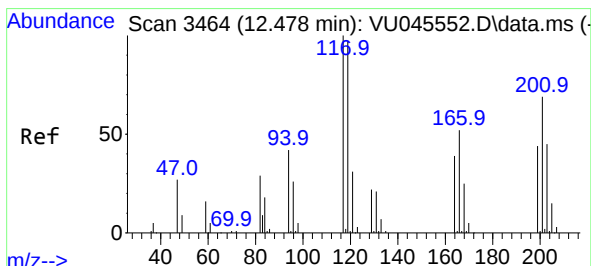
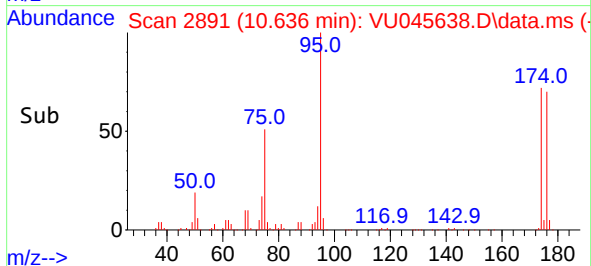
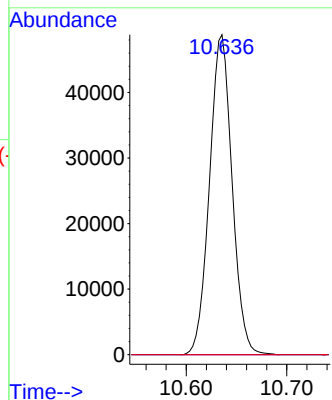
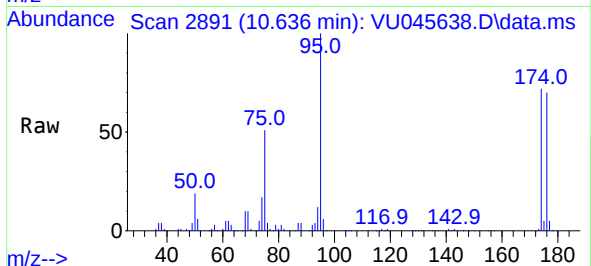




#81  
trans-1,4-Dichloro-2-butene  
Concen: 54.022 ug/l  
RT: 10.636 min Scan# 21  
Delta R.T. 0.087 min  
Lab File: VU045638.D  
Acq: 09 Nov 2021 00:45

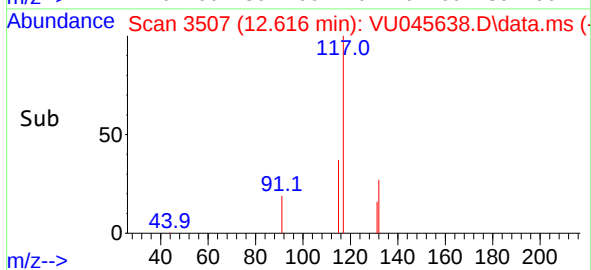
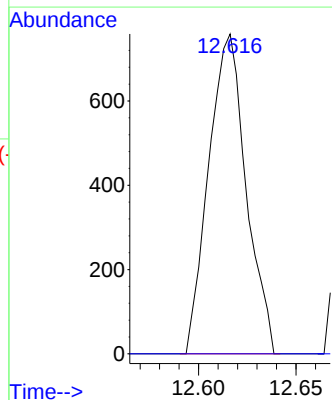
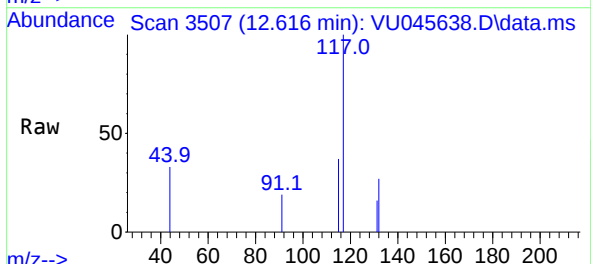
Instrument :  
MSVOA\_U  
ClientSampleId :

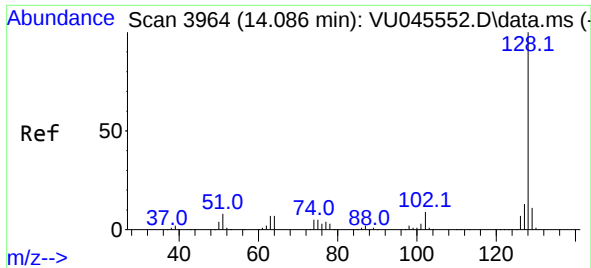
Tgt Ion: 75 Resp: 76187  
Ion Ratio Lower Upper  
75 100  
53 0.0 76.2 114.4#  
89 0.0 34.0 51.0#



#90  
Hexachloroethane  
Concen: 0.615 ug/l  
RT: 12.616 min Scan# 3507  
Delta R.T. 0.138 min  
Lab File: VU045638.D  
Acq: 09 Nov 2021 00:45

Tgt Ion: 117 Resp: 1014  
Ion Ratio Lower Upper  
117 100  
201 0.0 33.8 101.4#





#95

Naphthalene

Concen: 1.144 ug/l

RT: 14.086 min Scan# 3964

Delta R.T. -0.000 min

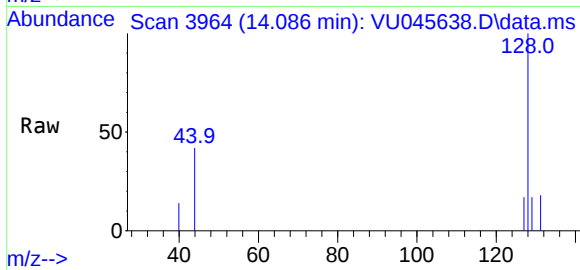
Lab File: VU045638.D

Acq: 09 Nov 2021 00:45

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion:128 Resp: 1441

Ion Ratio Lower Upper

128 100

127 12.1 10.6 15.8

129 13.7 8.6 13.0#

