

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU111121\  
 Data File : VU045747.D  
 Acq On : 11 Nov 2021 18:32  
 Operator : SY/MD  
 Sample : M4606-10  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Nov 12 06:12:07 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

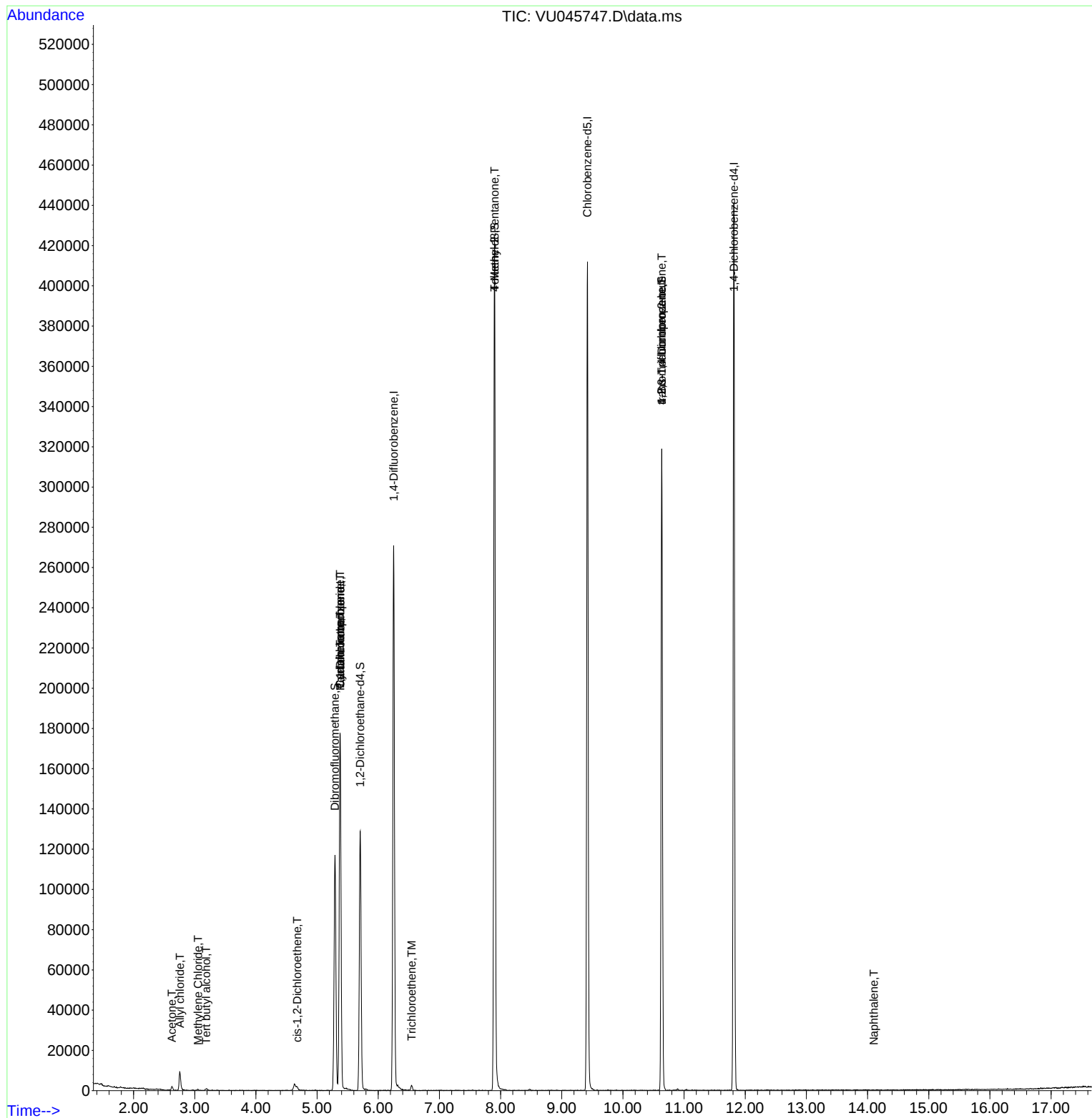
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.378  | 168   | 115325   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.253  | 114   | 210670   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 9.420  | 117   | 222956   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 11.816 | 152   | 110583   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.703  | 65    | 95609    | 55.357   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | = 110.720% |          |
| 35) Dibromofluoromethane      | 5.292  | 113   | 75197    | 53.463   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 106.920% |          |
| 50) Toluene-d8                | 7.902  | 98    | 283190   | 54.145   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | = 108.300% |          |
| 62) 4-Bromofluorobenzene      | 10.636 | 95    | 106516   | 50.788   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | = 101.580% |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 11) Tert butyl alcohol        | 3.189  | 59    | 547      | 1.600    | ug/l #     | 72       |
| 14) Allyl chloride            | 2.758  | 41    | 967      | 0.427    | ug/l #     | 63       |
| 16) Acetone                   | 2.626  | 43    | 2169     | 2.467    | ug/l       | 91       |
| 20) Methylene Chloride        | 3.054  | 84    | 316      | 0.207    | ug/l #     | 75       |
| 27) cis-1,2-Dichloroethene    | 4.674  | 96    | 819      | 0.528    | ug/l       | 92       |
| 31) Cyclohexane               | 5.375  | 56    | 2447     | 0.971    | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 5.375  | 75    | 10280    | 5.004    | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 5.375  | 117   | 12632    | 6.100    | ug/l #     | 16       |
| 44) Trichloroethene           | 6.546  | 130   | 933      | 0.641    | ug/l       | 95       |
| 51) 4-Methyl-2-Pentanone      | 7.902  | 43    | 1081     | 0.454    | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 10.636 | 75    | 56223    | 16.765   | ug/l #     | 43       |
| 81) trans-1,4-Dichloro-2-b... | 10.636 | 75    | 56223    | 54.628   | ug/l #     | 12       |
| 95) Naphthalene               | 14.102 | 128   | 20       | 1.031    | ug/l #     | 69       |
| -----                         |        |       |          |          |            |          |

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

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Quant Title : SW846 8260  
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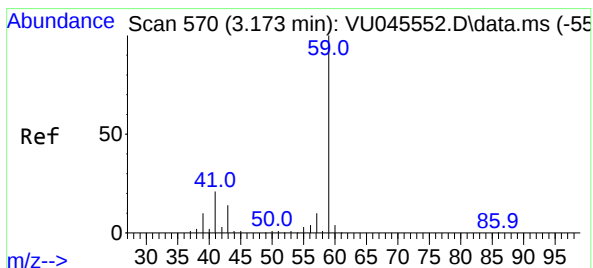
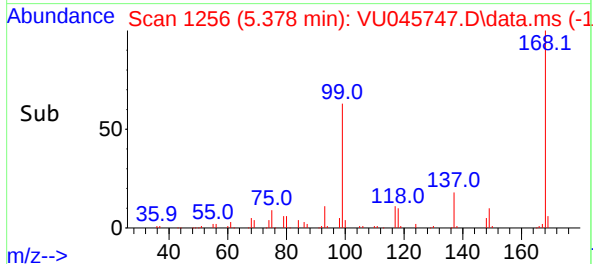
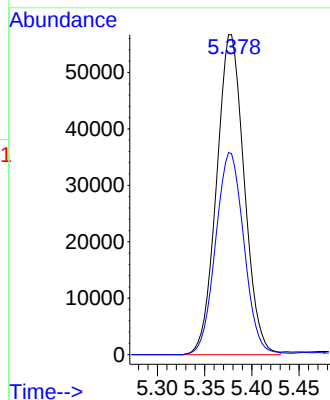
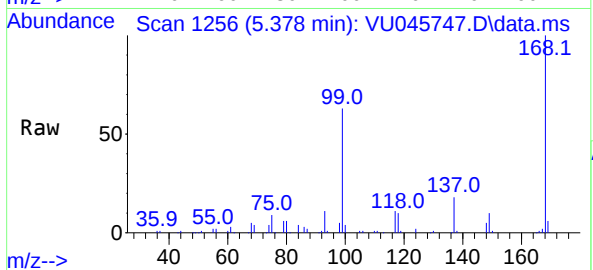




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.378 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VU045747.D  
Acq: 11 Nov 2021 18:32

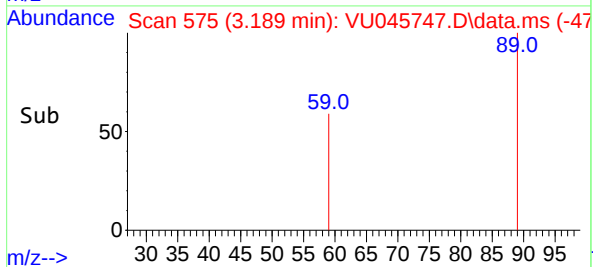
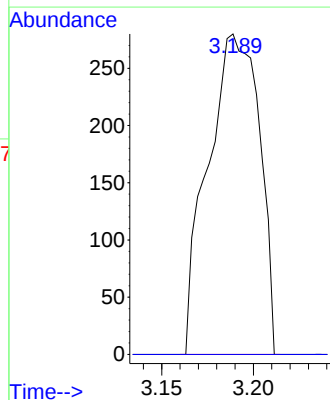
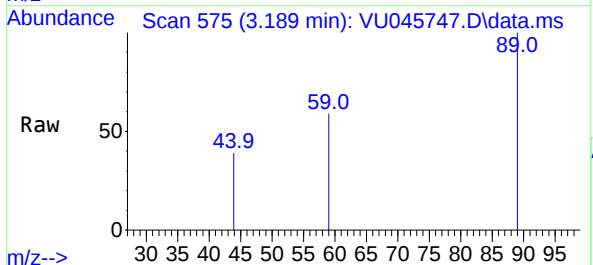
Instrument :  
MSVOA\_U  
ClientSampleId :

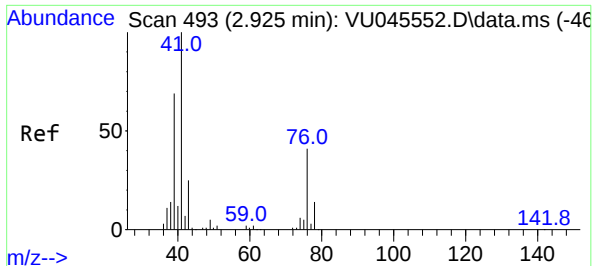
Tgt Ion:168 Resp: 115325  
Ion Ratio Lower Upper  
168 100  
99 62.8 51.0 76.6



#11  
Tert butyl alcohol  
Concen: 1.600 ug/l  
RT: 3.189 min Scan# 575  
Delta R.T. 0.016 min  
Lab File: VU045747.D  
Acq: 11 Nov 2021 18:32

Tgt Ion: 59 Resp: 547  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.3 12.5#





#14

Allyl chloride

Concen: 0.427 ug/l

RT: 2.758 min Scan# 41

Delta R.T. -0.167 min

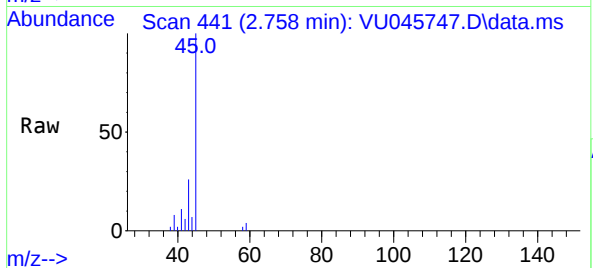
Lab File: VU045747.D

Acq: 11 Nov 2021 18:32

Instrument :

MSVOA\_U

ClientSampleId :



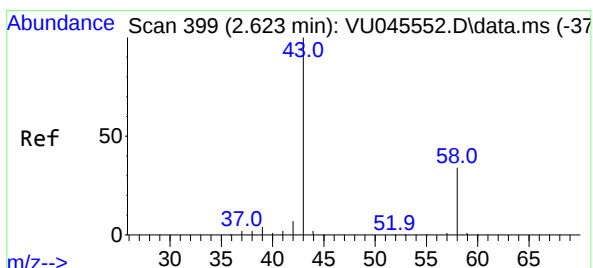
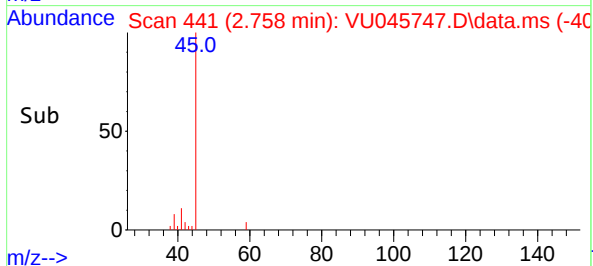
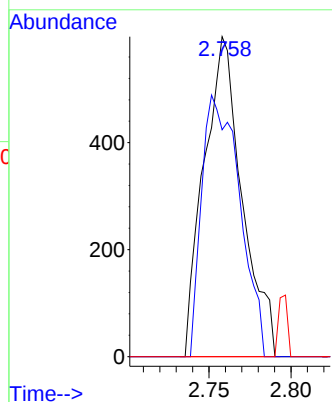
Tgt Ion: 41 Resp: 967

Ion Ratio Lower Upper

41 100

39 81.2 49.7 74.5#

76 0.0 27.7 41.5#



#16

Acetone

Concen: 2.467 ug/l

RT: 2.626 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU045747.D

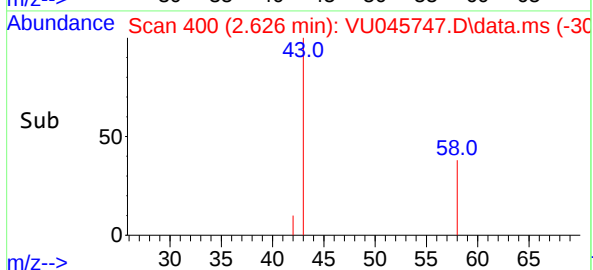
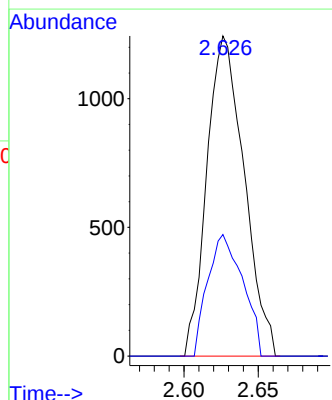
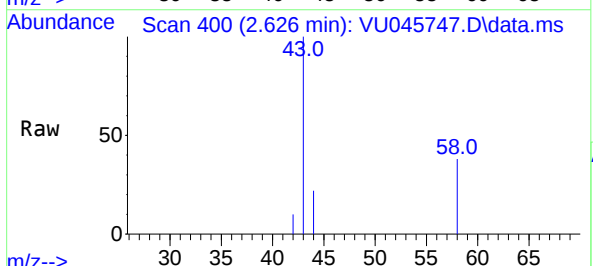
Acq: 11 Nov 2021 18:32

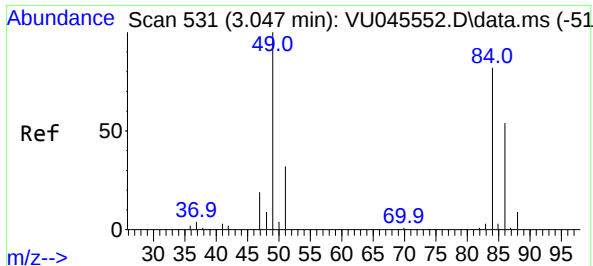
Tgt Ion: 43 Resp: 2169

Ion Ratio Lower Upper

43 100

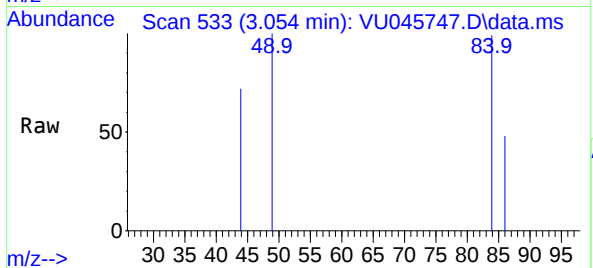
58 37.9 26.2 39.2





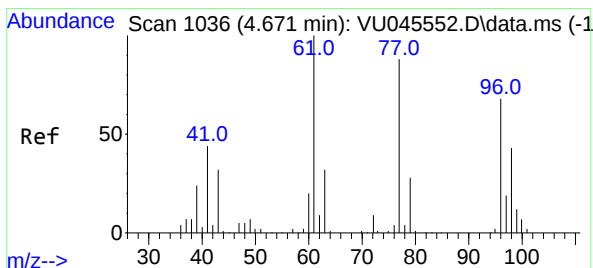
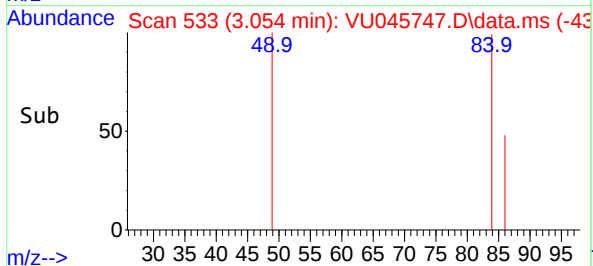
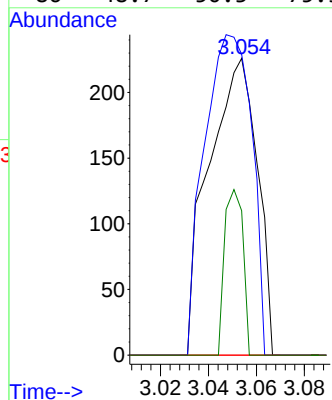
#20  
Methylene Chloride  
Concen: 0.207 ug/l  
RT: 3.054 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VU045747.D  
Acq: 11 Nov 2021 18:32

Instrument :  
MSVOA\_U  
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Tgt Ion: 84 Resp: 316

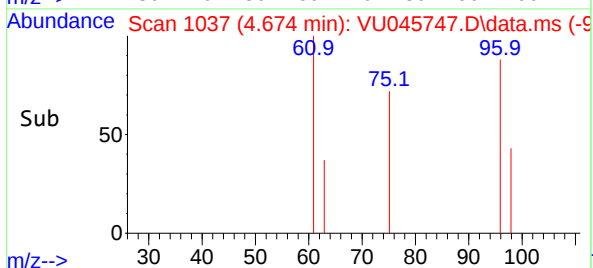
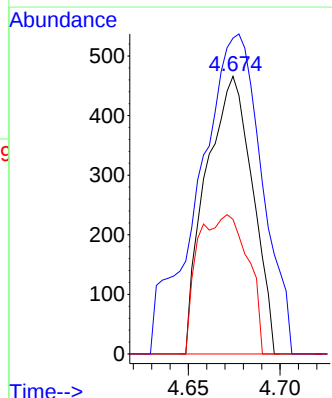
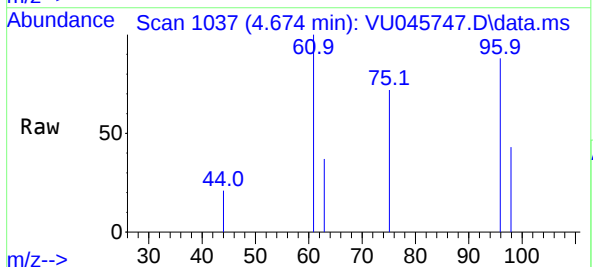
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 101.3 | 96.4  | 144.6 |
| 51  | 0.0   | 30.5  | 45.7# |
| 86  | 48.7  | 50.3  | 75.5# |

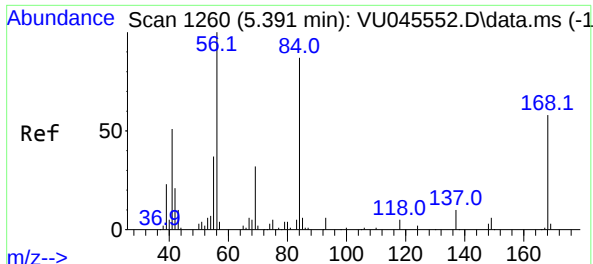


#27  
cis-1,2-Dichloroethene  
Concen: 0.528 ug/l  
RT: 4.674 min Scan# 1037  
Delta R.T. 0.003 min  
Lab File: VU045747.D  
Acq: 11 Nov 2021 18:32

Tgt Ion: 96 Resp: 819

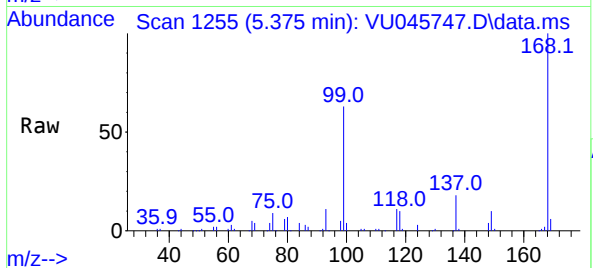
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 157.5 | 0.0   | 299.2 |
| 98  | 53.8  | 0.0   | 127.6 |



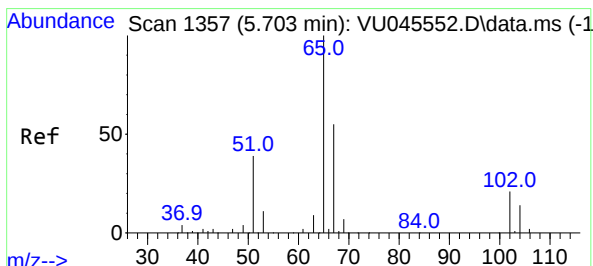
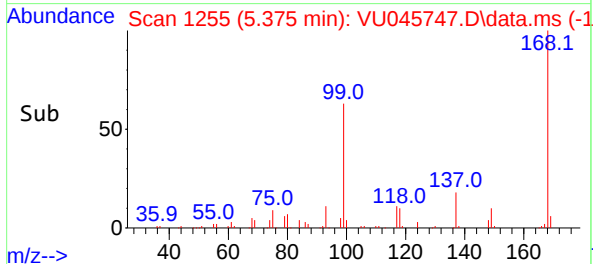
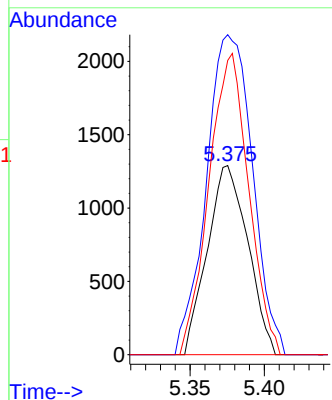


#31  
Cyclohexane  
Concen: 0.971 ug/l  
RT: 5.375 min Scan# 1255  
Delta R.T. -0.016 min  
Lab File: VU045747.D  
Acq: 11 Nov 2021 18:32

Instrument :  
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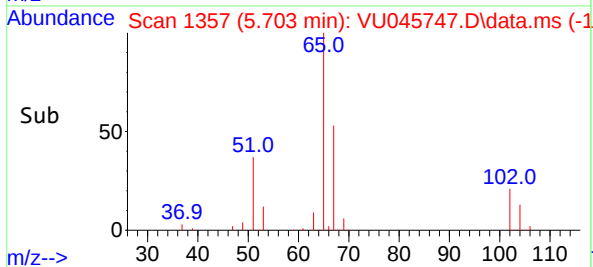
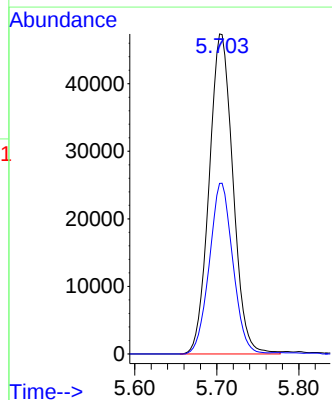
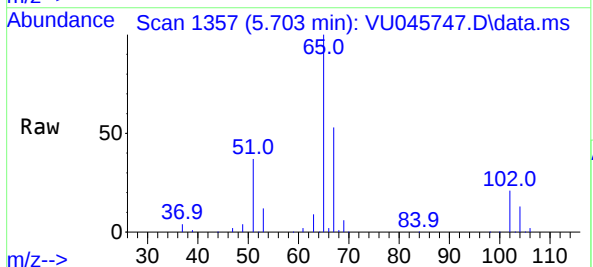


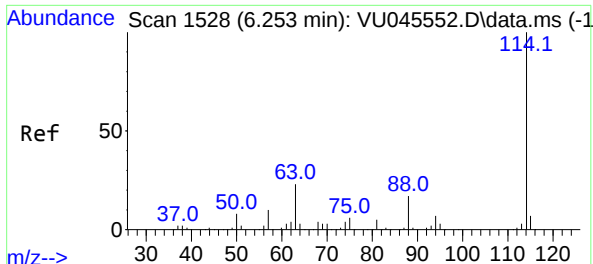
Tgt Ion: 56 Resp: 2447  
Ion Ratio Lower Upper  
56 100  
69 158.4 26.4 39.6#  
84 155.5 68.4 102.6#



#33  
1,2-Dichloroethane-d4  
Concen: 55.357 ug/l  
RT: 5.703 min Scan# 1357  
Delta R.T. -0.000 min  
Lab File: VU045747.D  
Acq: 11 Nov 2021 18:32

Tgt Ion: 65 Resp: 95609  
Ion Ratio Lower Upper  
65 100  
67 52.6 0.0 105.8

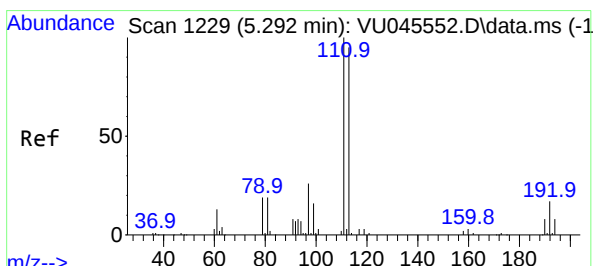
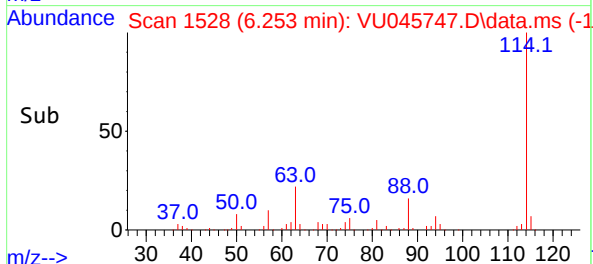
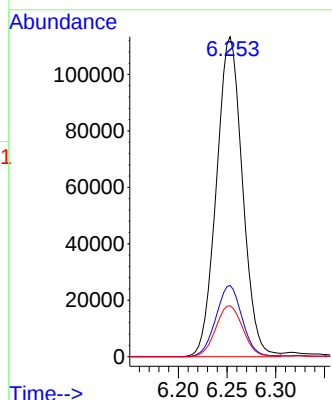
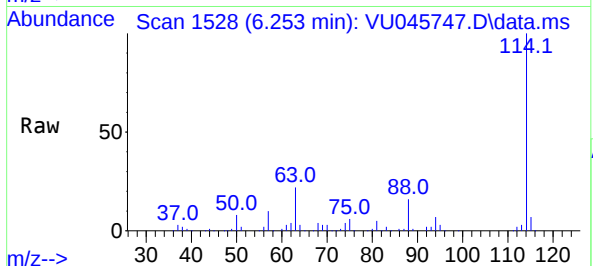




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.253 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU045747.D  
Acq: 11 Nov 2021 18:32

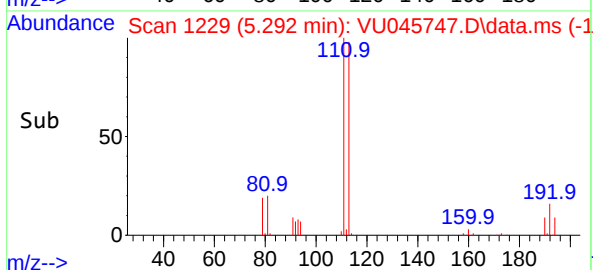
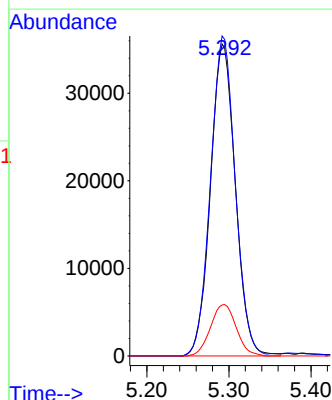
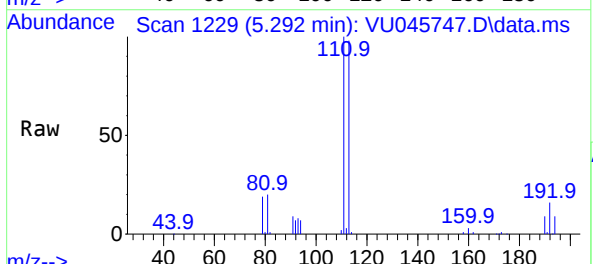
Instrument :  
MSVOA\_U  
ClientSampleId :

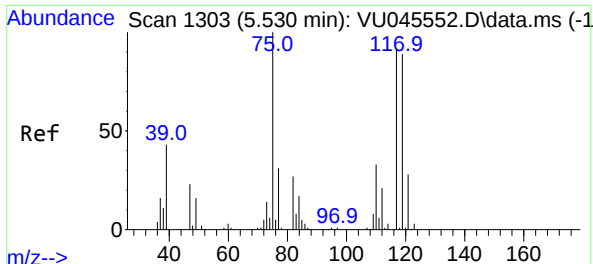
Tgt Ion:114 Resp: 210670  
Ion Ratio Lower Upper  
114 100  
63 22.2 0.0 45.6  
88 15.9 0.0 33.8



#35  
Dibromofluoromethane  
Concen: 53.463 ug/l  
RT: 5.292 min Scan# 1229  
Delta R.T. -0.000 min  
Lab File: VU045747.D  
Acq: 11 Nov 2021 18:32

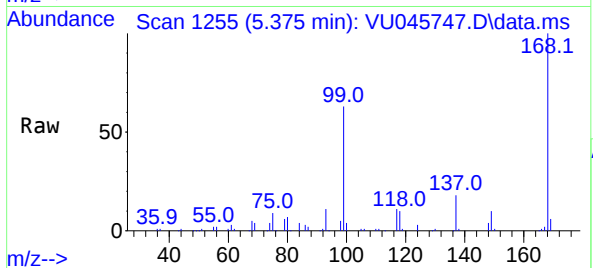
Tgt Ion:113 Resp: 75197  
Ion Ratio Lower Upper  
113 100  
111 101.8 82.8 124.2  
192 17.1 14.8 22.2



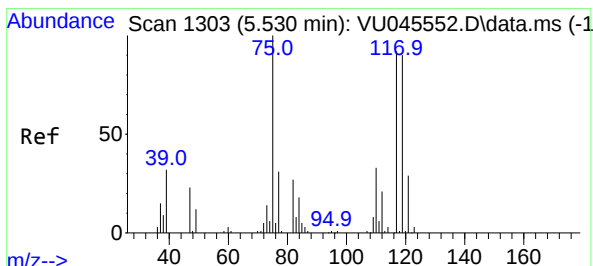
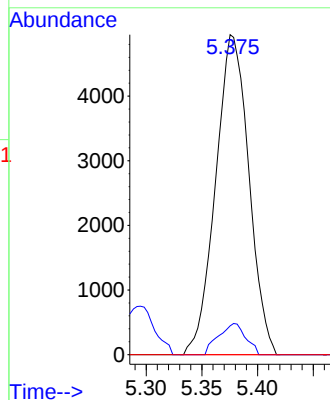
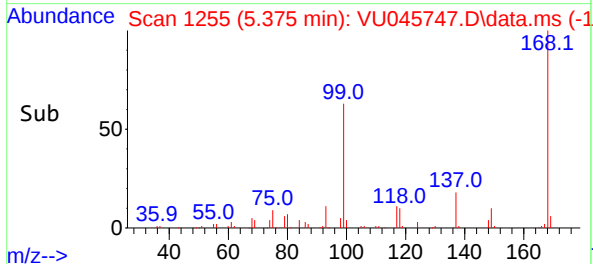


#36  
1,1-Dichloropropene  
Concen: 5.004 ug/l  
RT: 5.375 min Scan# 1255  
Delta R.T. -0.154 min  
Lab File: VU045747.D  
Acq: 11 Nov 2021 18:32

Instrument :  
MSVOA\_U  
ClientSampleId :

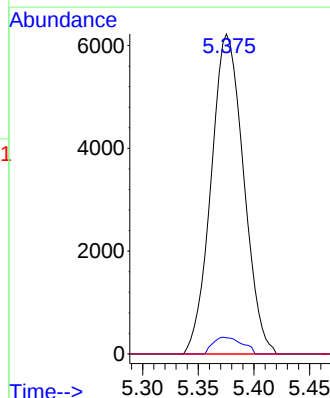
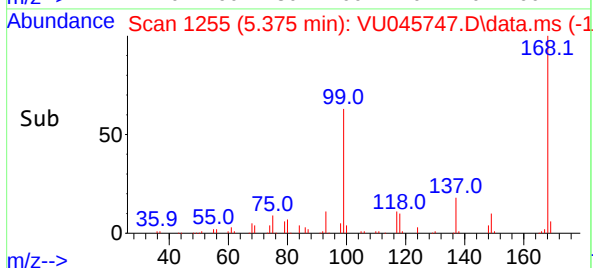
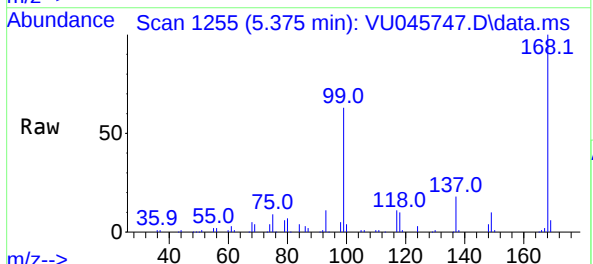


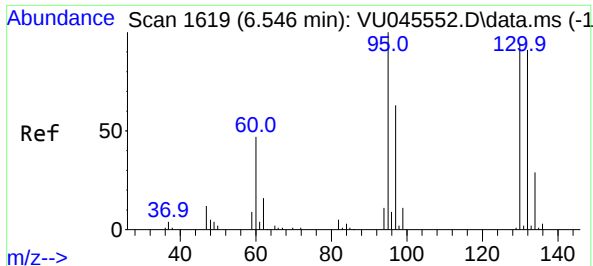
Tgt Ion: 75 Resp: 10280  
Ion Ratio Lower Upper  
75 100  
110 7.9 16.7 50.0#  
77 0.0 25.0 37.4#



#38  
Carbon Tetrachloride  
Concen: 6.100 ug/l  
RT: 5.375 min Scan# 1255  
Delta R.T. -0.154 min  
Lab File: VU045747.D  
Acq: 11 Nov 2021 18:32

Tgt Ion: 117 Resp: 12632  
Ion Ratio Lower Upper  
117 100  
119 5.0 77.4 116.0#  
121 0.0 24.8 37.2#

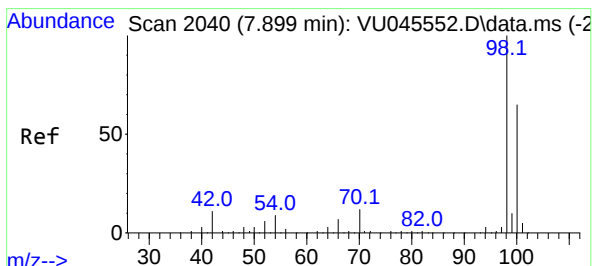
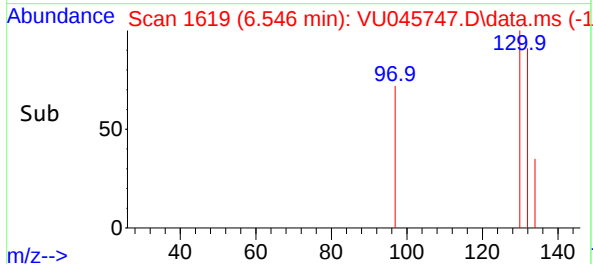
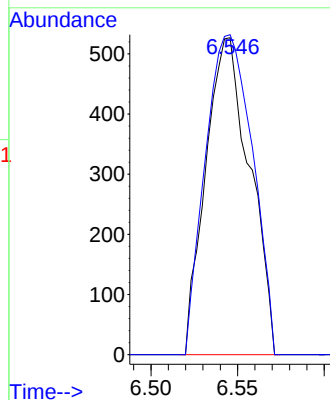
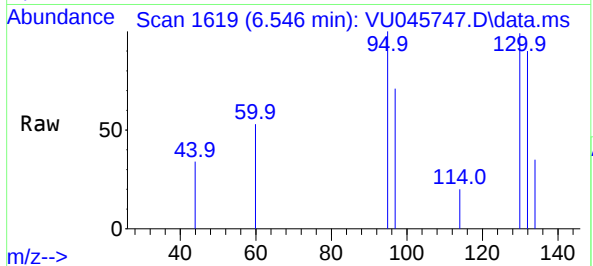




#44  
Trichloroethene  
Concen: 0.641 ug/l  
RT: 6.546 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU045747.D  
Acq: 11 Nov 2021 18:32

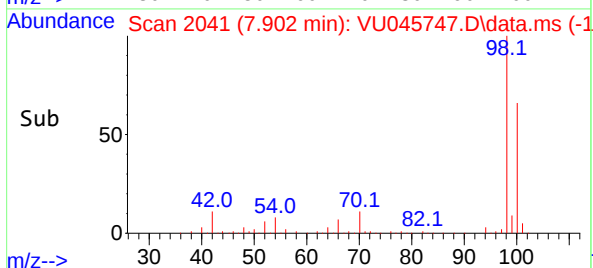
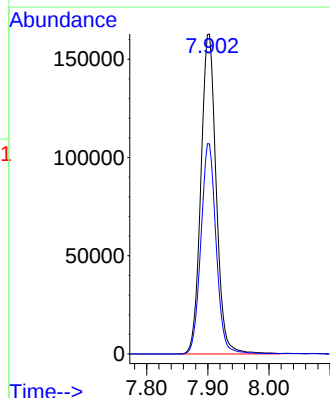
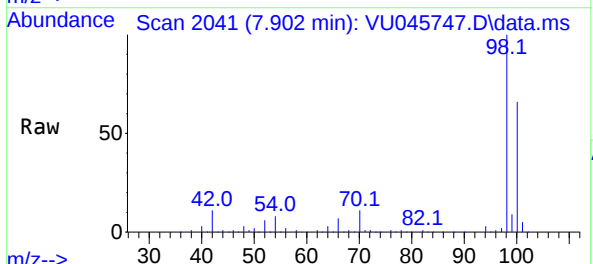
Instrument :  
MSVOA\_U  
ClientSampleId :

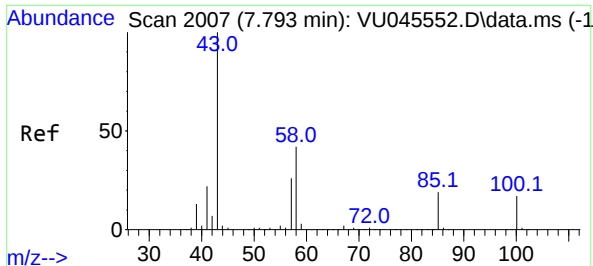
Tgt Ion:130 Resp: 933  
Ion Ratio Lower Upper  
130 100  
95 100.9 0.0 211.4



#50  
Toluene-d8  
Concen: 54.145 ug/l  
RT: 7.902 min Scan# 2041  
Delta R.T. 0.003 min  
Lab File: VU045747.D  
Acq: 11 Nov 2021 18:32

Tgt Ion: 98 Resp: 283190  
Ion Ratio Lower Upper  
98 100  
100 65.5 52.5 78.7

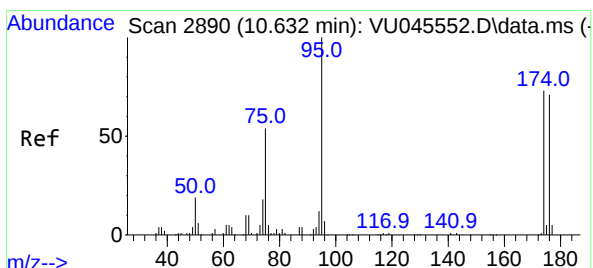
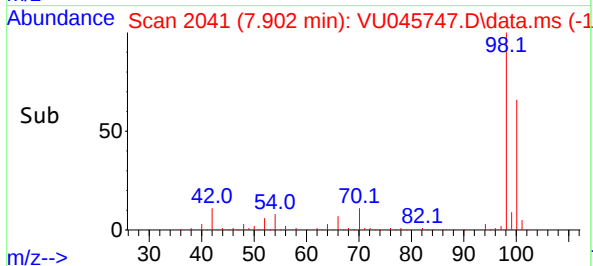
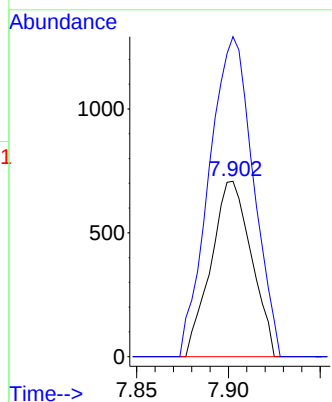
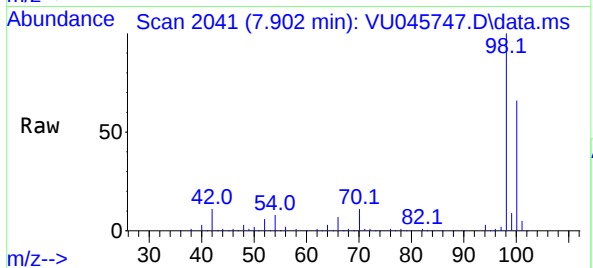




#51  
4-Methyl-2-Pentanone  
Concen: 0.454 ug/l  
RT: 7.902 min Scan# 2041  
Delta R.T. 0.109 min  
Lab File: VU045747.D  
Acq: 11 Nov 2021 18:32

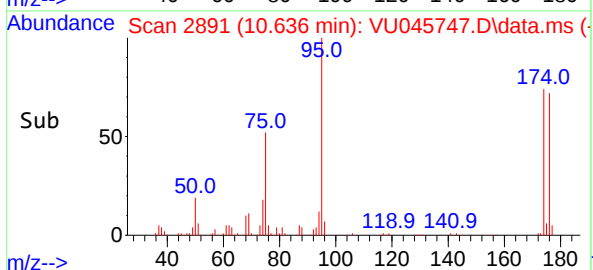
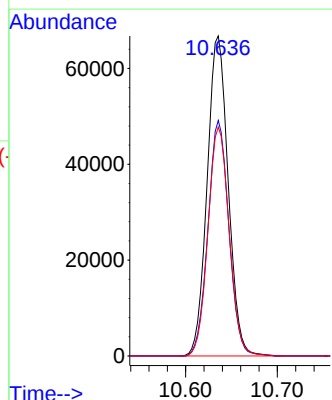
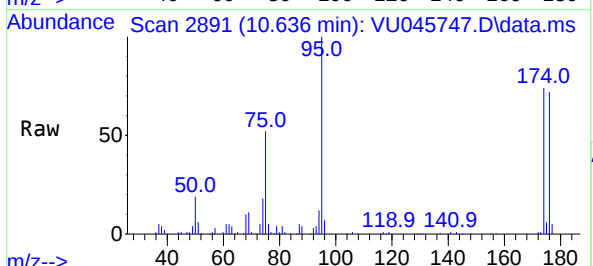
Instrument :  
MSVOA\_U  
ClientSampleId :

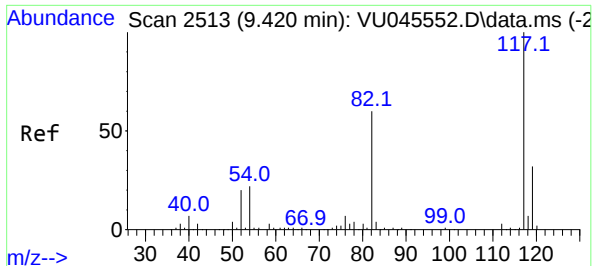
Tgt Ion: 43 Resp: 1081  
Ion Ratio Lower Upper  
43 100  
58 199.4 33.8 50.8#



#62  
4-Bromofluorobenzene  
Concen: 50.788 ug/l  
RT: 10.636 min Scan# 2891  
Delta R.T. 0.003 min  
Lab File: VU045747.D  
Acq: 11 Nov 2021 18:32

Tgt Ion: 95 Resp: 106516  
Ion Ratio Lower Upper  
95 100  
174 73.1 0.0 141.8  
176 71.9 0.0 138.2

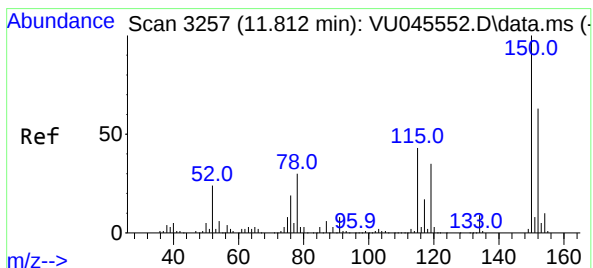
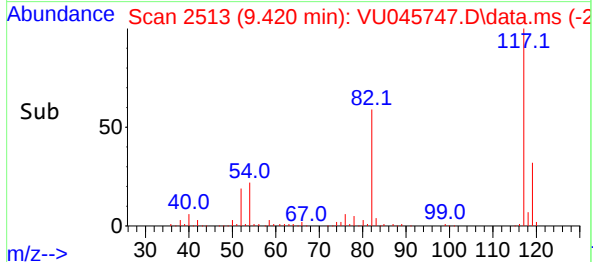
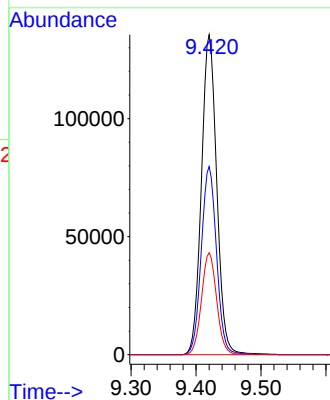
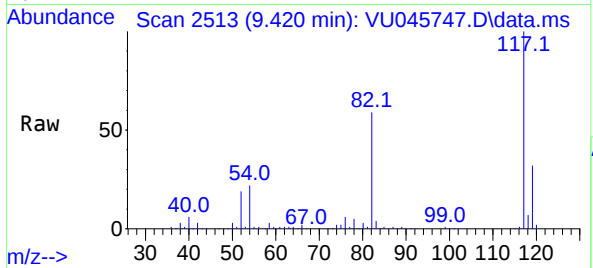




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.420 min Scan# 211  
Delta R.T. 0.000 min  
Lab File: VU045747.D  
Acq: 11 Nov 2021 18:32

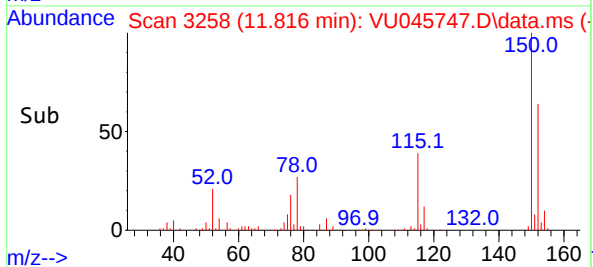
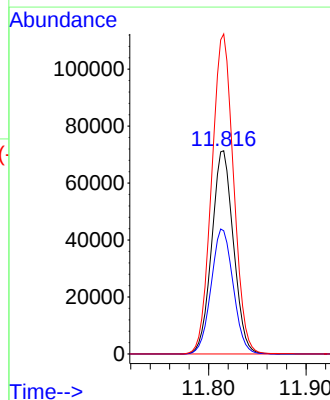
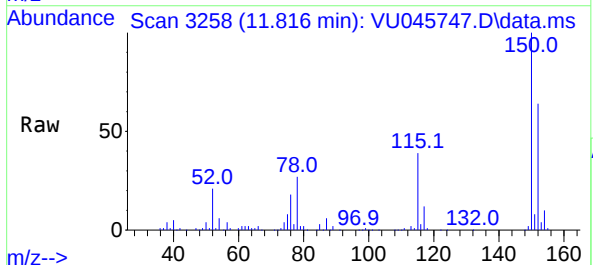
Instrument :  
MSVOA\_U  
ClientSampleId :

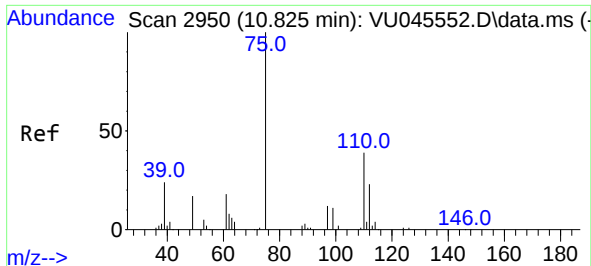
Tgt Ion:117 Resp: 222956  
Ion Ratio Lower Upper  
117 100  
82 58.8 47.8 71.8  
119 31.9 25.8 38.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.816 min Scan# 3258  
Delta R.T. 0.003 min  
Lab File: VU045747.D  
Acq: 11 Nov 2021 18:32

Tgt Ion:152 Resp: 110583  
Ion Ratio Lower Upper  
152 100  
115 62.2 42.7 128.1  
150 158.6 0.0 346.8

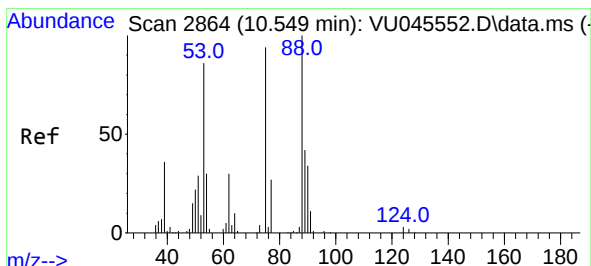
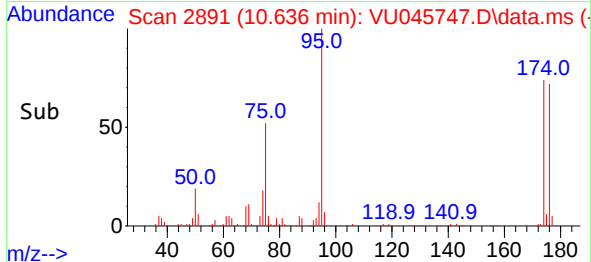
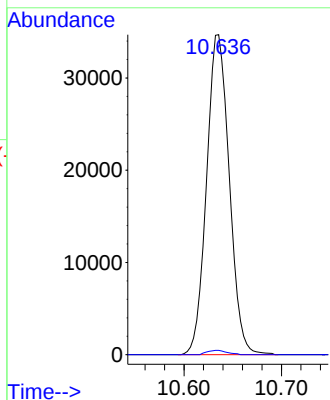
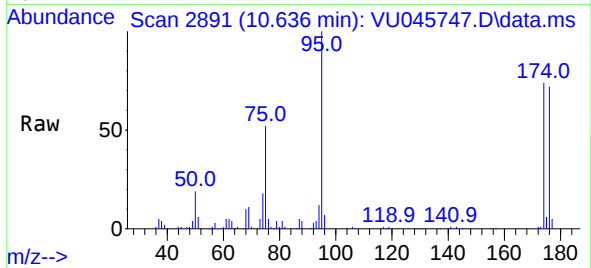




#76  
1,2,3-Trichloropropane  
Concen: 16.765 ug/l  
RT: 10.636 min Scan# 2891  
Delta R.T. -0.190 min  
Lab File: VU045747.D  
Acq: 11 Nov 2021 18:32

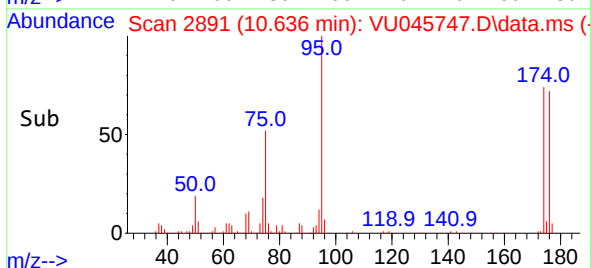
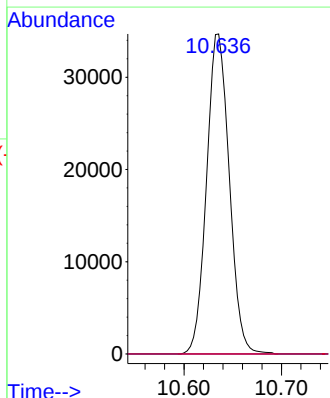
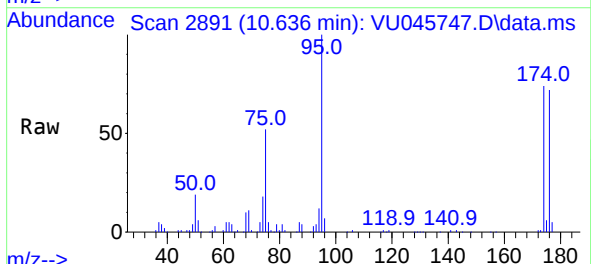
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MSVOA\_U  
ClientSampleId :

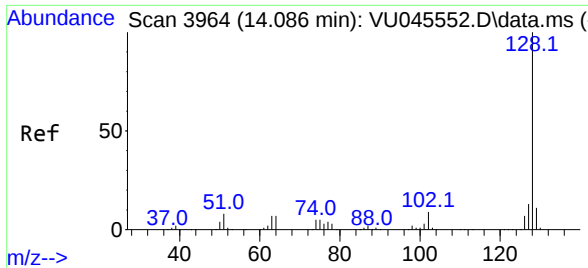
Tgt Ion: 75 Resp: 56223  
Ion Ratio Lower Upper  
75 100  
77 1.2 17.1 51.3#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 54.628 ug/l  
RT: 10.636 min Scan# 2891  
Delta R.T. 0.087 min  
Lab File: VU045747.D  
Acq: 11 Nov 2021 18:32

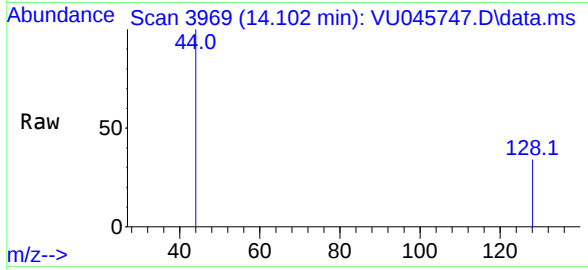
Tgt Ion: 75 Resp: 56223  
Ion Ratio Lower Upper  
75 100  
53 0.0 76.2 114.4#  
89 0.0 34.0 51.0#





#95  
Naphthalene  
Concen: 1.031 ug/l  
RT: 14.102 min Scan# 3969  
Delta R.T. 0.016 min  
Lab File: VU045747.D  
Acq: 11 Nov 2021 18:32

Instrument :  
MSVOA\_U  
ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 20    |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 0.0   | 10.6  | 15.8# |
| 129      | 0.0   | 8.6   | 13.0# |

