

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU040222\  
 Data File : VU047792.D  
 Acq On : 02 Apr 2022 11:52  
 Operator : SY/MD  
 Sample : VU0402WBL04  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0402WBL04

Quant Time: Apr 04 09:04:31 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U033122W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Apr 04 09:00:10 2022  
 Response via : Initial Calibration

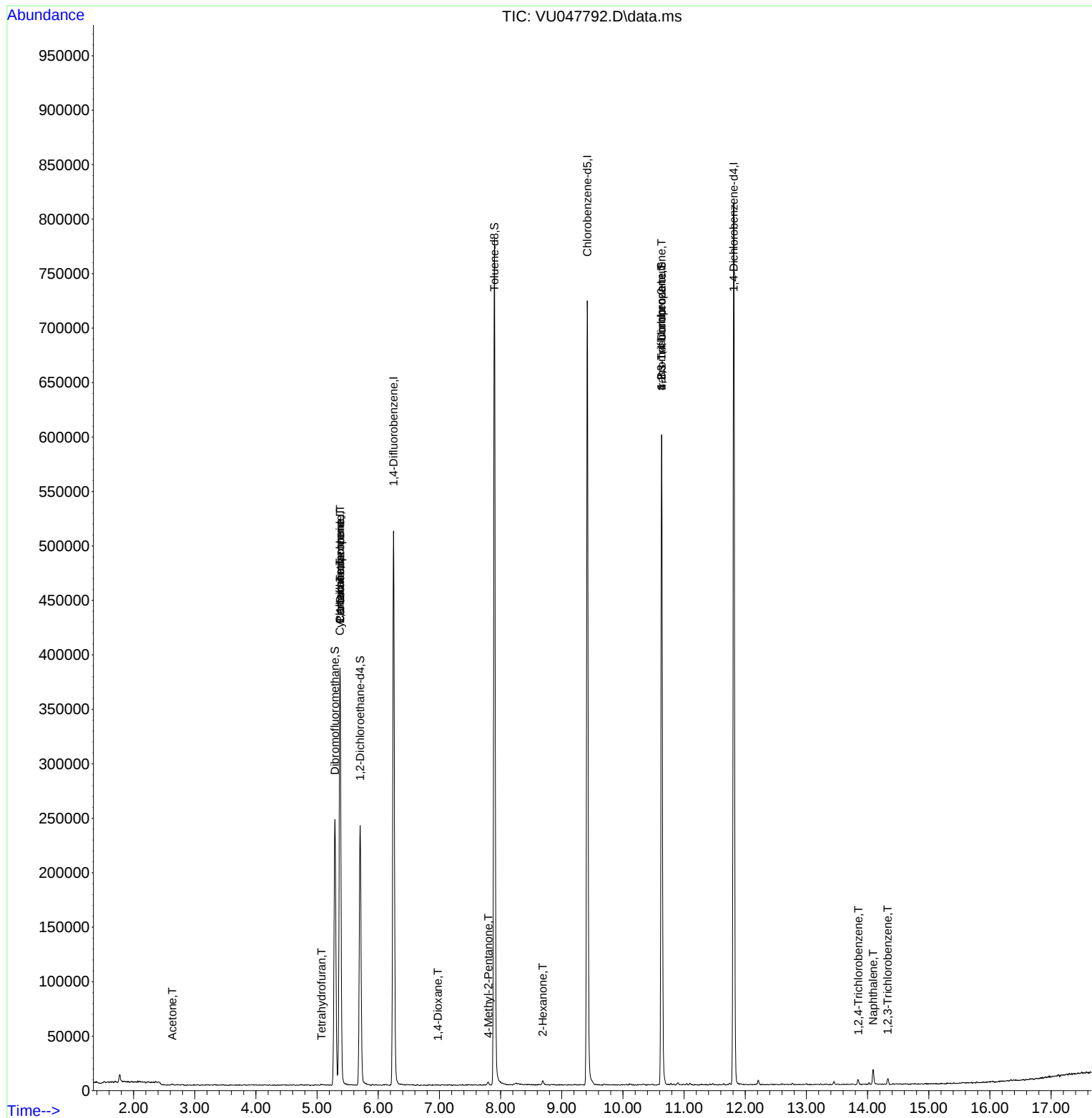
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.375  | 168   | 290290   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.250  | 114   | 440193   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 9.417  | 117   | 427679   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 11.812 | 152   | 230365   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.703  | 65    | 179342   | 57.587   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | = 115.180% |          |
| 35) Dibromofluoromethane      | 5.292  | 113   | 159115   | 53.899   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 107.800% |          |
| 50) Toluene-d8                | 7.899  | 98    | 533464   | 50.159   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | = 100.320% |          |
| 62) 4-Bromofluorobenzene      | 10.632 | 95    | 190995   | 46.112   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | = 92.220%  |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 16) Acetone                   | 2.636  | 43    | 1210     | 0.533    | ug/l       | 99       |
| 29) Tetrahydrofuran           | 5.073  | 42    | 368      | 0.208    | ug/l #     | 55       |
| 31) Cyclohexane               | 5.372  | 56    | 5088     | 1.096    | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 5.375  | 75    | 19427    | 4.662    | ug/l #     | 49       |
| 38) Carbon Tetrachloride      | 5.375  | 117   | 25922    | 5.832    | ug/l #     | 17       |
| 49) 1,4-Dioxane               | 6.973  | 88    | 42       | 0.426    | ug/l #     | 58       |
| 51) 4-Methyl-2-Pentanone      | 7.800  | 43    | 1954     | 0.379    | ug/l       | 99       |
| 59) 2-Hexanone                | 8.690  | 43    | 3013     | 0.713    | ug/l       | 91       |
| 76) 1,2,3-Trichloropropane    | 10.632 | 75    | 94204    | 14.608   | ug/l #     | 45       |
| 81) trans-1,4-Dichloro-2-b... | 10.632 | 75    | 94204    | 51.996   | ug/l #     | 15       |
| 93) 1,2,4-Trichlorobenzene    | 13.848 | 180   | 2036     | 0.383    | ug/l       | 93       |
| 95) Naphthalene               | 14.092 | 128   | 13534    | 0.855    | ug/l       | 95       |
| 96) 1,2,3-Trichlorobenzene    | 14.330 | 180   | 2215     | 0.428    | ug/l       | 91       |
| -----                         |        |       |          |          |            |          |

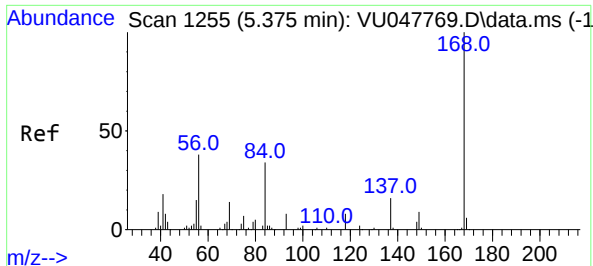
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU040222\  
Data File : VU047792.D  
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Operator : SY/MD  
Sample : VU0402WBL04  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0402WBL04

Quant Time: Apr 04 09:04:31 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U033122W.M  
Quant Title : SW846 8260  
QLast Update : Mon Apr 04 09:00:10 2022  
Response via : Initial Calibration

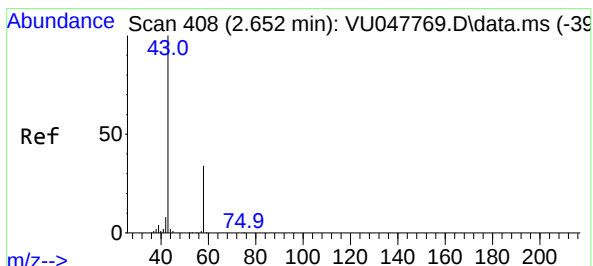
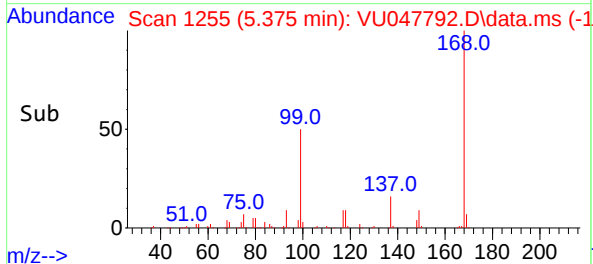
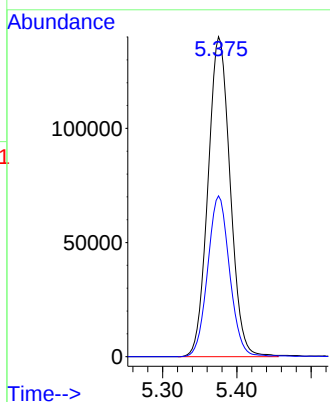
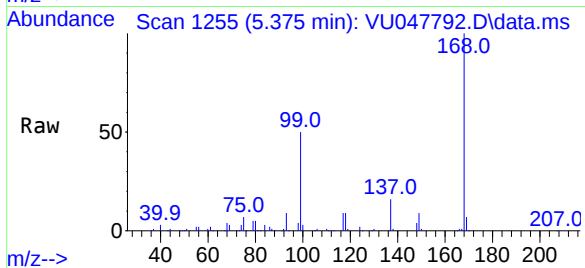




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.375 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU047792.D  
Acq: 02 Apr 2022 11:52

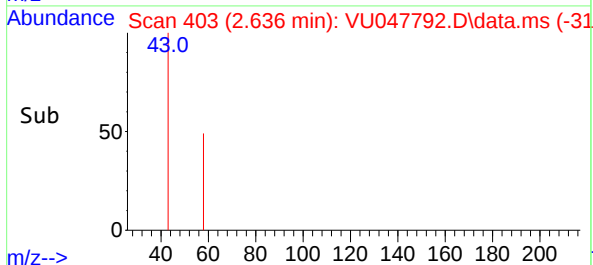
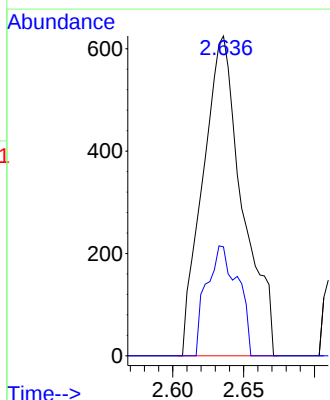
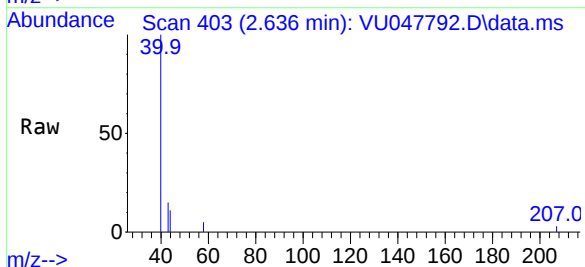
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0402WBL04

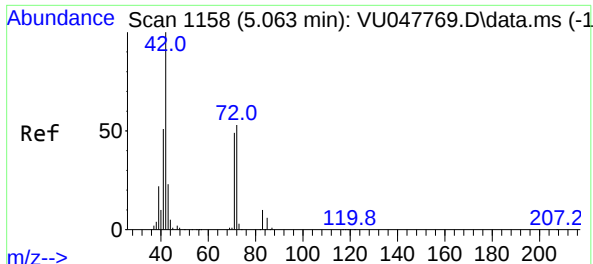
Tgt Ion:168 Resp: 290290  
Ion Ratio Lower Upper  
168 100  
99 50.3 39.3 58.9



#16  
Acetone  
Concen: 0.533 ug/l  
RT: 2.636 min Scan# 403  
Delta R.T. -0.016 min  
Lab File: VU047792.D  
Acq: 02 Apr 2022 11:52

Tgt Ion: 43 Resp: 1210  
Ion Ratio Lower Upper  
43 100  
58 34.1 27.5 41.3

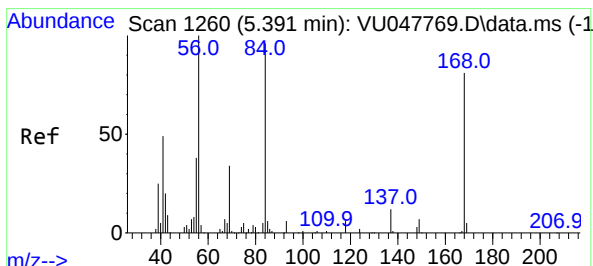
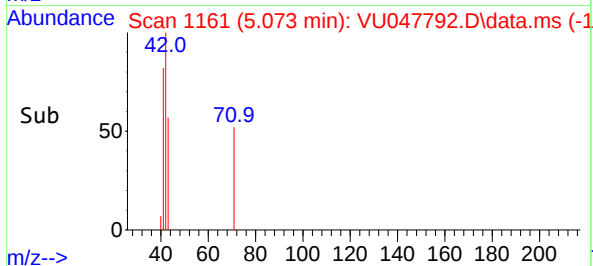
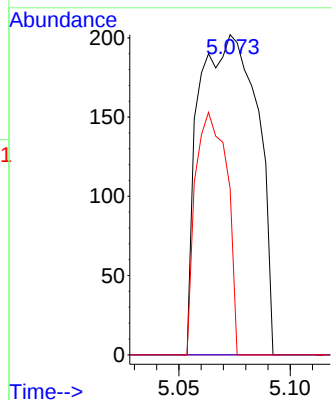
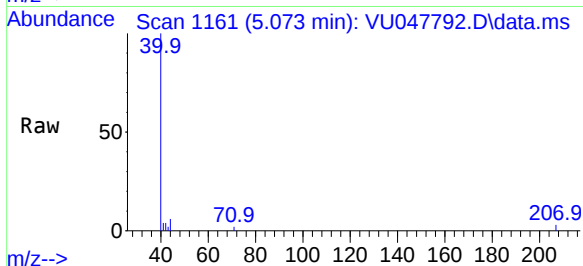




#29  
Tetrahydrofuran  
Concen: 0.208 ug/l  
RT: 5.073 min Scan# 1158  
Delta R.T. 0.010 min  
Lab File: VU047792.D  
Acq: 02 Apr 2022 11:52

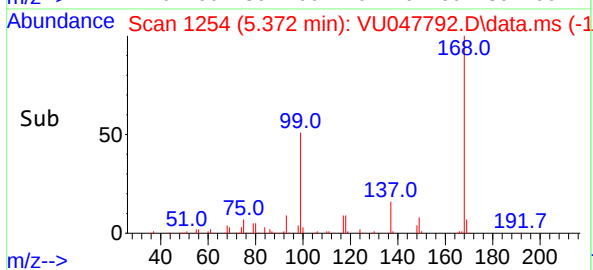
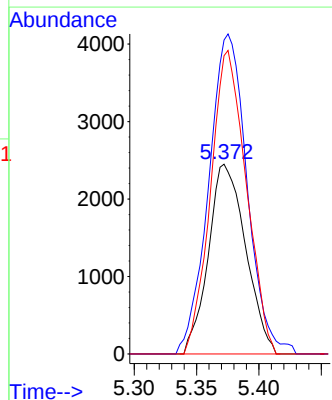
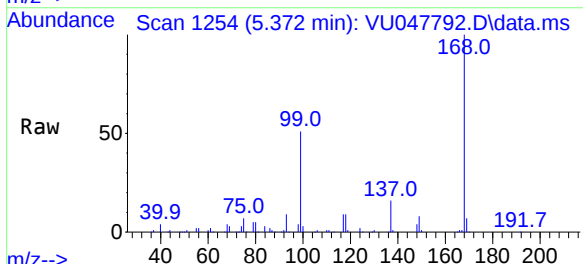
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0402WBL04

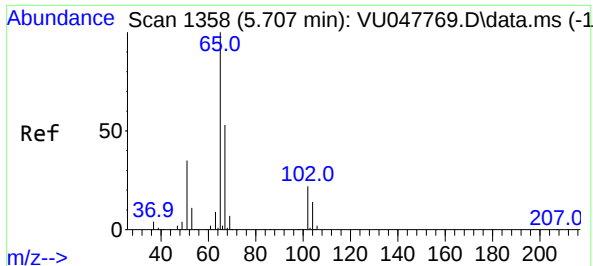
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 368   |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 0.0   | 42.6  | 63.8# |
| 71       | 40.8  | 40.3  | 60.5  |



#31  
Cyclohexane  
Concen: 1.096 ug/l  
RT: 5.372 min Scan# 1254  
Delta R.T. -0.019 min  
Lab File: VU047792.D  
Acq: 02 Apr 2022 11:52

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 5088   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 160.4 | 27.8  | 41.8#  |
| 84       | 157.2 | 74.2  | 111.4# |

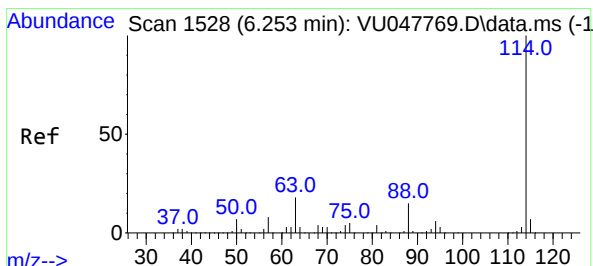
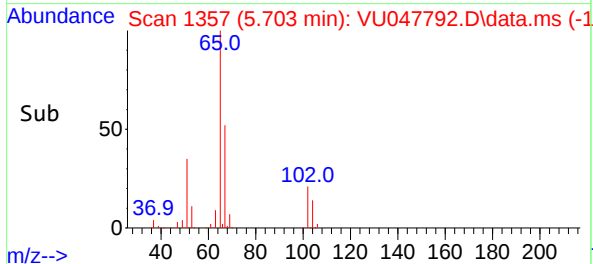
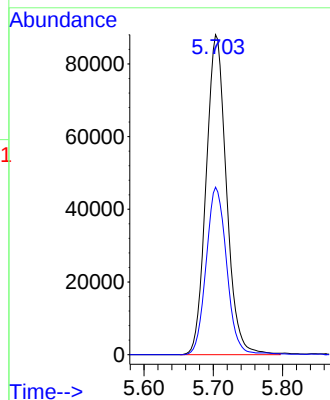
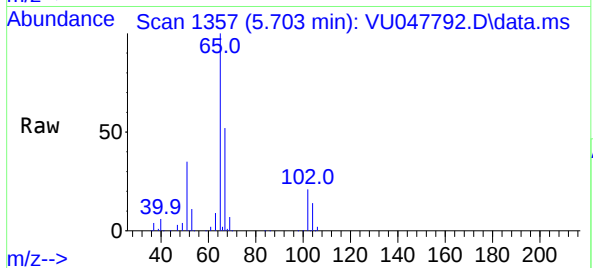




#33  
1,2-Dichloroethane-d4  
Concen: 57.587 ug/l  
RT: 5.703 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VU047792.D  
Acq: 02 Apr 2022 11:52

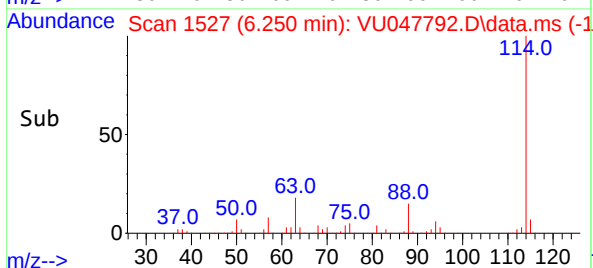
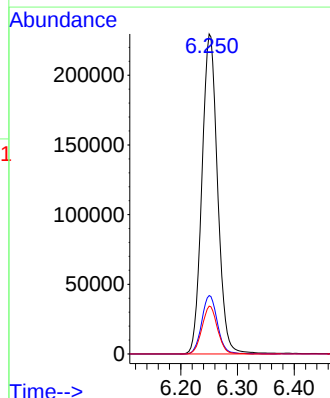
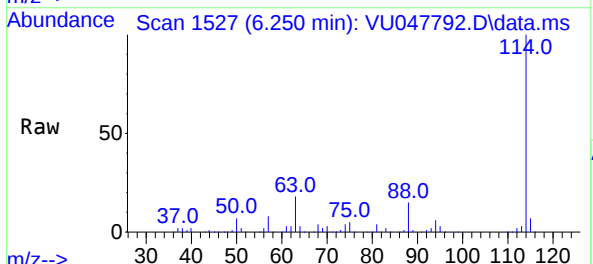
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0402WBL04

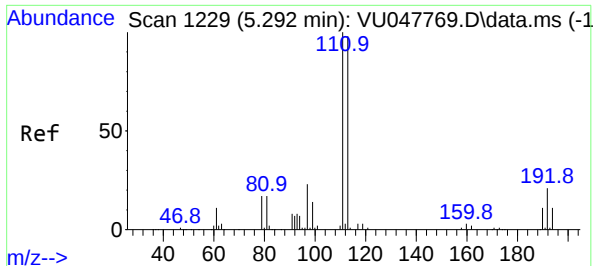
Tgt Ion: 65 Resp: 179342  
Ion Ratio Lower Upper  
65 100  
67 52.4 0.0 108.0



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.250 min Scan# 1527  
Delta R.T. -0.003 min  
Lab File: VU047792.D  
Acq: 02 Apr 2022 11:52

Tgt Ion: 114 Resp: 440193  
Ion Ratio Lower Upper  
114 100  
63 18.3 0.0 37.8  
88 14.9 0.0 29.2

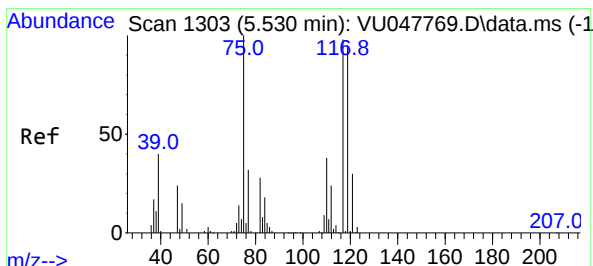
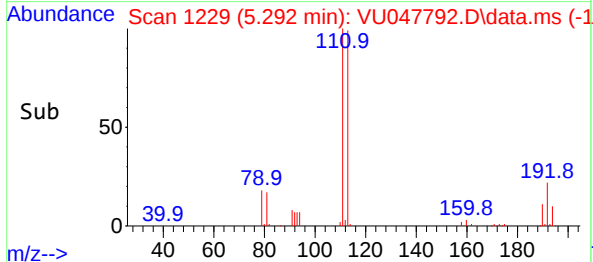
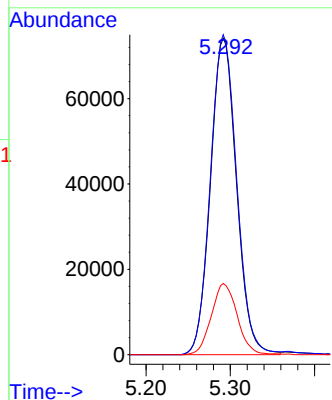
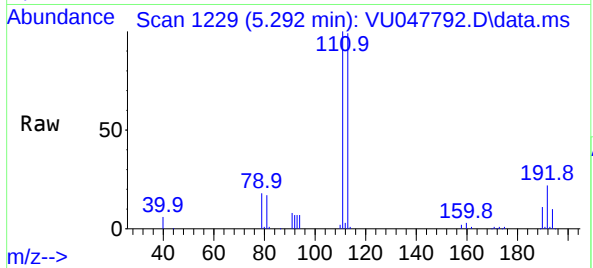




#35  
Dibromofluoromethane  
Concen: 53.899 ug/l  
RT: 5.292 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU047792.D  
Acq: 02 Apr 2022 11:52

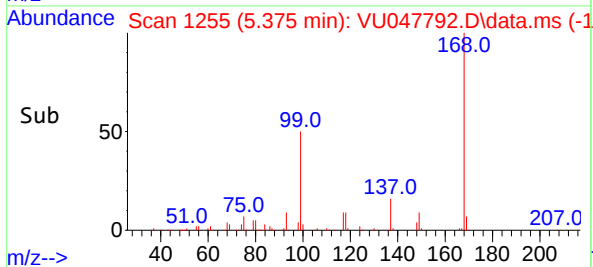
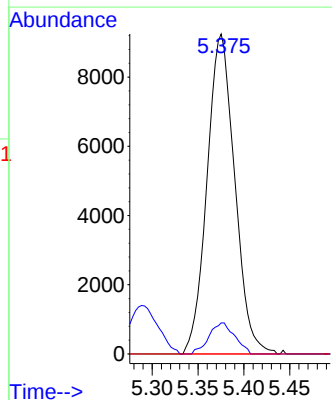
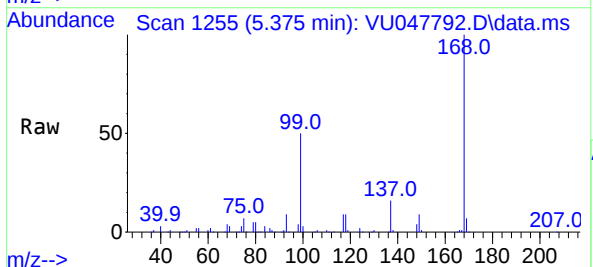
Instrument :  
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ClientSampleId :  
VU0402WBL04

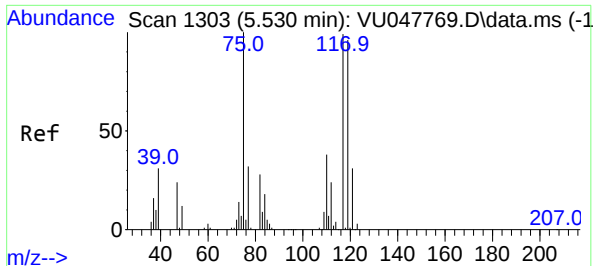
Tgt Ion:113 Resp: 159115  
Ion Ratio Lower Upper  
113 100  
111 102.4 82.1 123.1  
192 22.4 18.0 27.0



#36  
1,1-Dichloropropene  
Concen: 4.662 ug/l  
RT: 5.375 min Scan# 1255  
Delta R.T. -0.154 min  
Lab File: VU047792.D  
Acq: 02 Apr 2022 11:52

Tgt Ion: 75 Resp: 19427  
Ion Ratio Lower Upper  
75 100  
110 9.1 18.4 55.2#  
77 0.0 25.1 37.7#

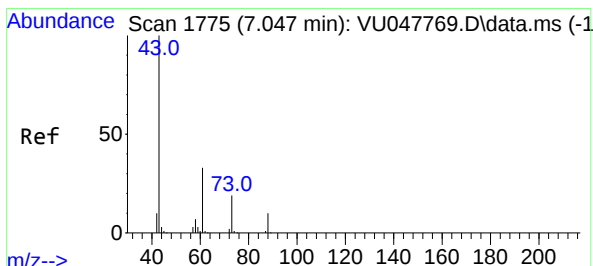
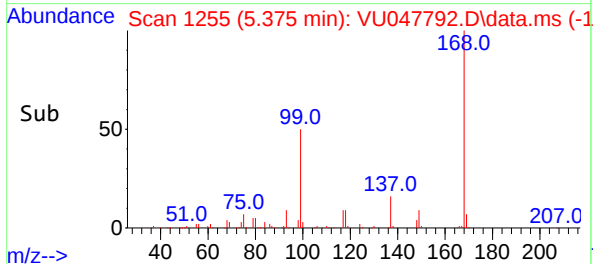
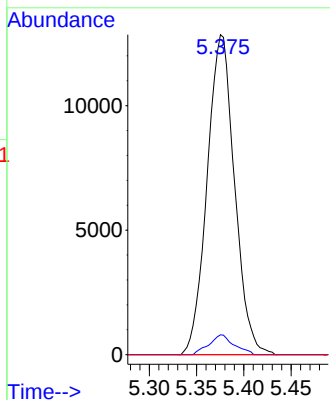
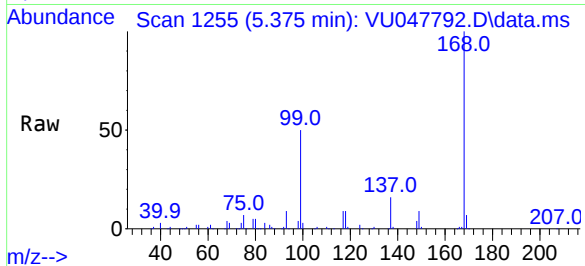




#38  
Carbon Tetrachloride  
Concen: 5.832 ug/l  
RT: 5.375 min Scan# 117  
Delta R.T. -0.154 min  
Lab File: VU047792.D  
Acq: 02 Apr 2022 11:52

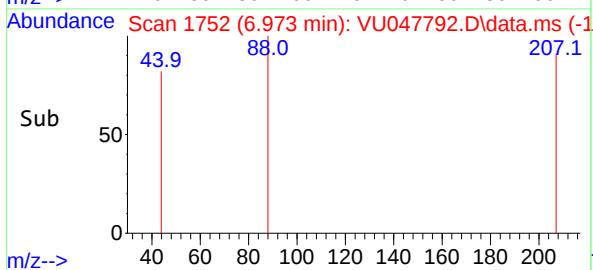
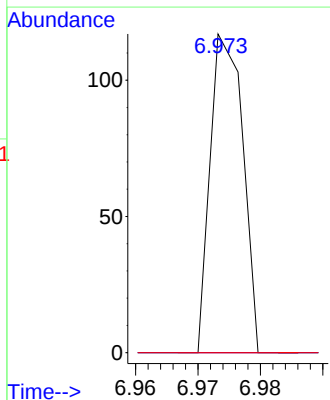
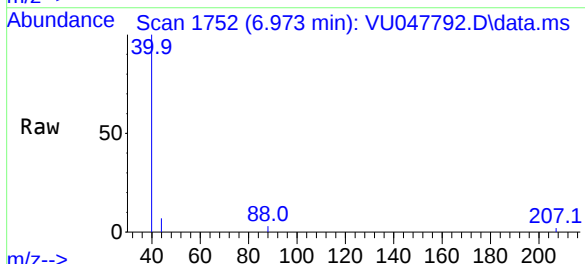
Instrument :  
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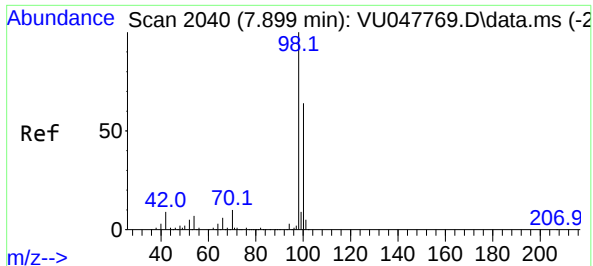
Tgt Ion:117 Resp: 25922  
Ion Ratio Lower Upper  
117 100  
119 6.2 76.8 115.2#  
121 0.0 24.7 37.1#



#49  
1,4-Dioxane  
Concen: 0.426 ug/l  
RT: 6.973 min Scan# 1752  
Delta R.T. -0.074 min  
Lab File: VU047792.D  
Acq: 02 Apr 2022 11:52

Tgt Ion: 88 Resp: 42  
Ion Ratio Lower Upper  
88 100  
43 0.0 0.0 0.0  
58 0.0 15.4 23.0#

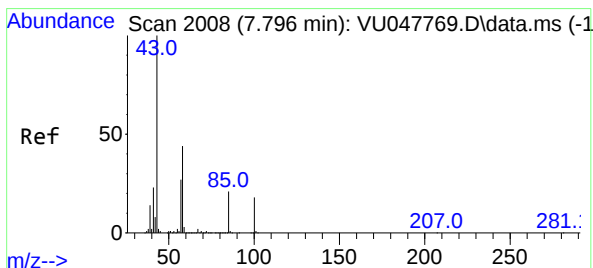
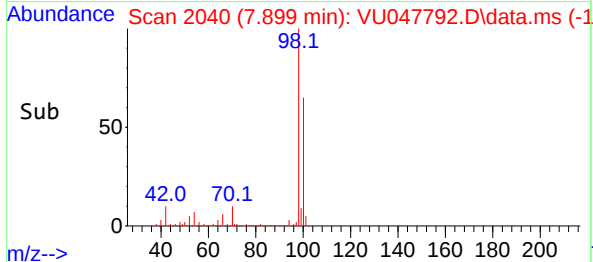
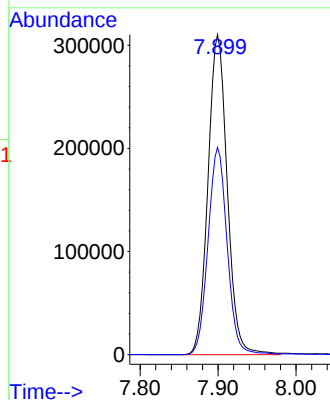
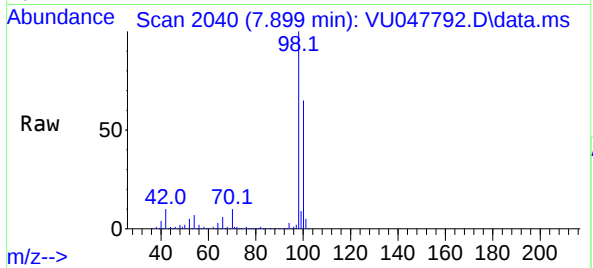




#50  
Toluene-d8  
Concen: 50.159 ug/l  
RT: 7.899 min Scan# 2040  
Delta R.T. -0.000 min  
Lab File: VU047792.D  
Acq: 02 Apr 2022 11:52

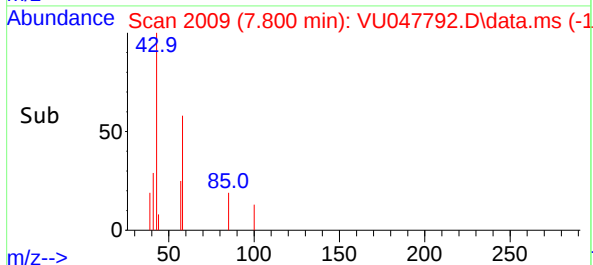
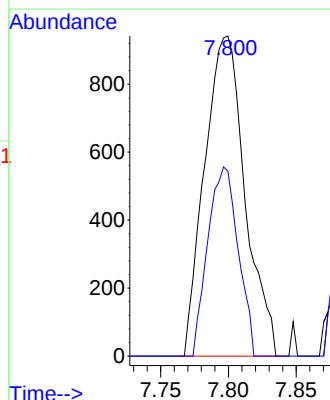
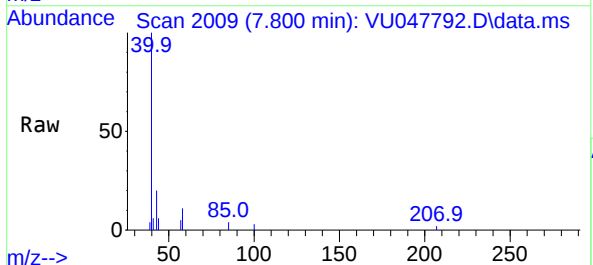
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0402WBL04

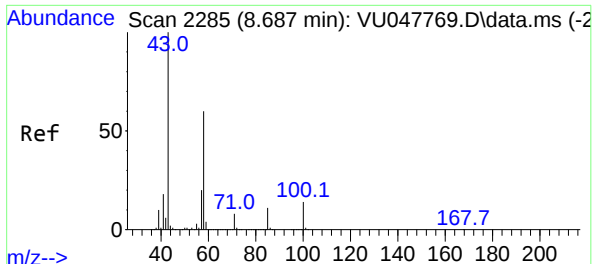
Tgt Ion: 98 Resp: 533464  
Ion Ratio Lower Upper  
98 100  
100 64.2 51.7 77.5



#51  
4-Methyl-2-Pentanone  
Concen: 0.379 ug/l  
RT: 7.800 min Scan# 2009  
Delta R.T. 0.003 min  
Lab File: VU047792.D  
Acq: 02 Apr 2022 11:52

Tgt Ion: 43 Resp: 1954  
Ion Ratio Lower Upper  
43 100  
58 44.2 34.7 52.1





#59

2-Hexanone

Concen: 0.713 ug/l

RT: 8.690 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU047792.D

Acq: 02 Apr 2022 11:52

Instrument :

MSVOA\_U

ClientSampleId :

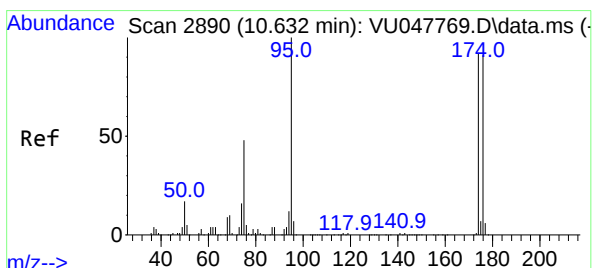
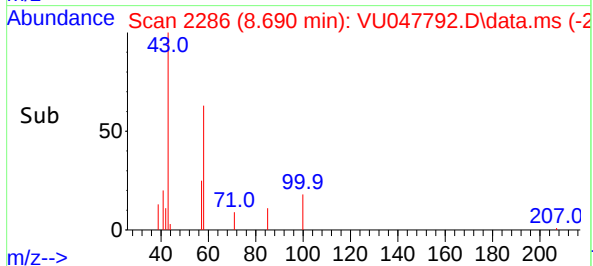
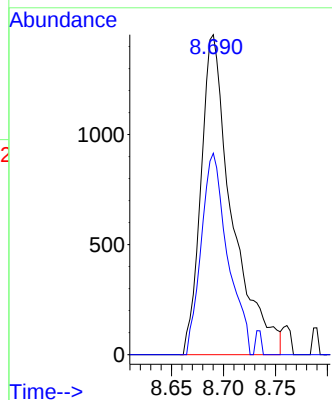
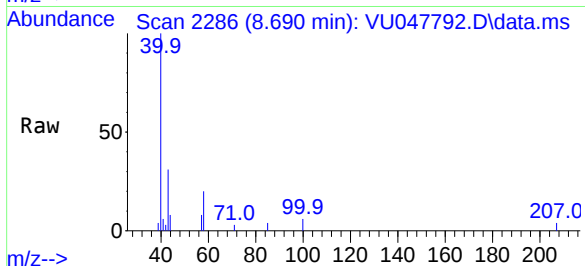
VU0402WBL04

Tgt Ion: 43 Resp: 3013

Ion Ratio Lower Upper

43 100

58 53.5 30.3 90.8



#62

4-Bromofluorobenzene

Concen: 46.112 ug/l

RT: 10.632 min Scan# 2890

Delta R.T. -0.000 min

Lab File: VU047792.D

Acq: 02 Apr 2022 11:52

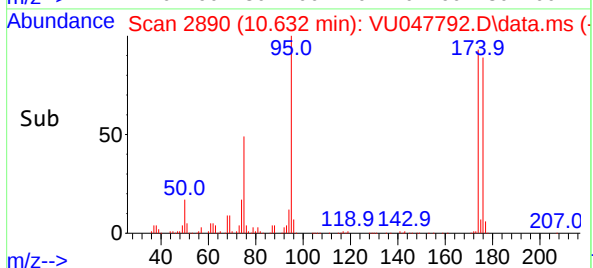
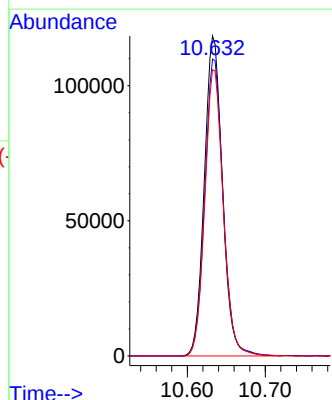
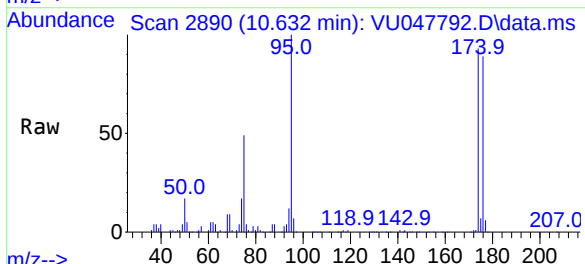
Tgt Ion: 95 Resp: 190995

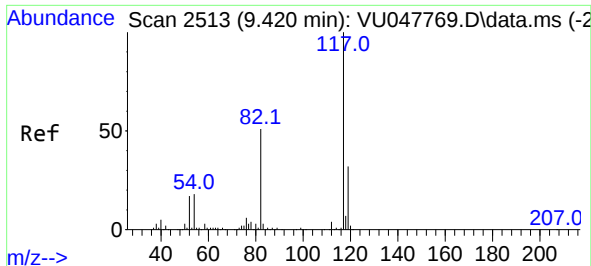
Ion Ratio Lower Upper

95 100

174 94.6 0.0 182.0

176 90.7 0.0 177.8

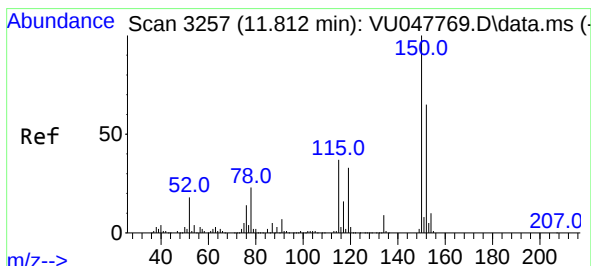
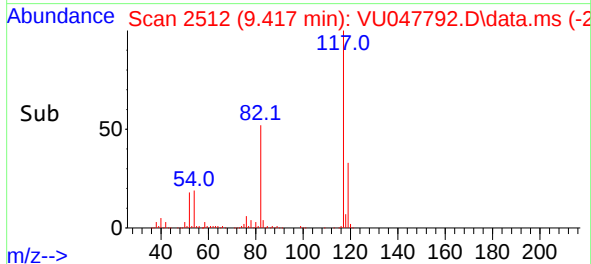
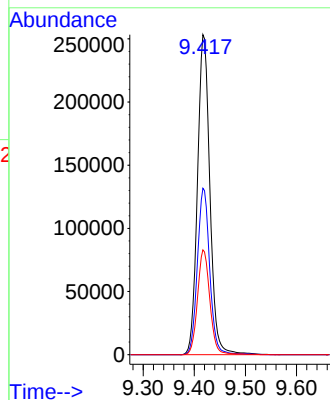
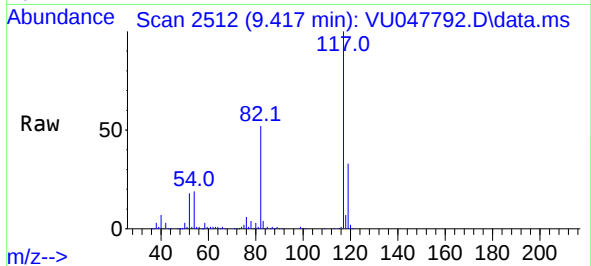




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.417 min Scan# 2513  
Delta R.T. -0.003 min  
Lab File: VU047792.D  
Acq: 02 Apr 2022 11:52

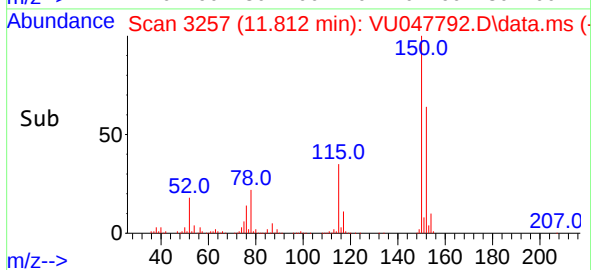
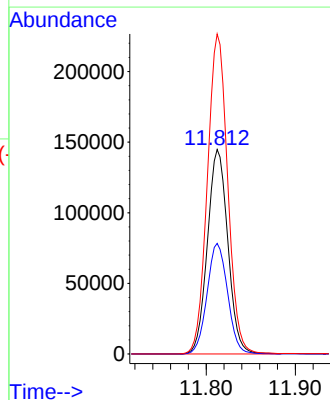
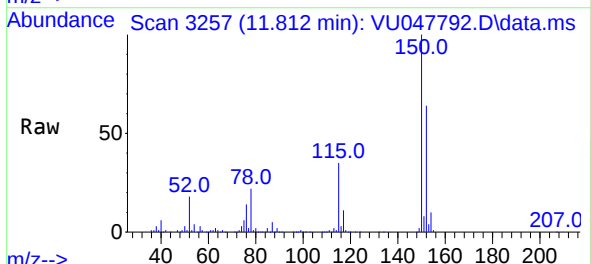
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0402WBL04

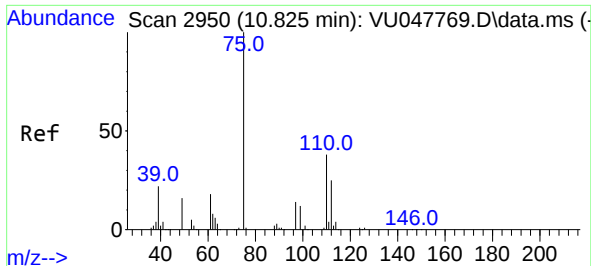
Tgt Ion:117 Resp: 427679  
Ion Ratio Lower Upper  
117 100  
82 52.0 41.7 62.5  
119 32.8 25.7 38.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.812 min Scan# 3257  
Delta R.T. -0.000 min  
Lab File: VU047792.D  
Acq: 02 Apr 2022 11:52

Tgt Ion:152 Resp: 230365  
Ion Ratio Lower Upper  
152 100  
115 54.3 37.0 110.9  
150 155.6 0.0 342.2

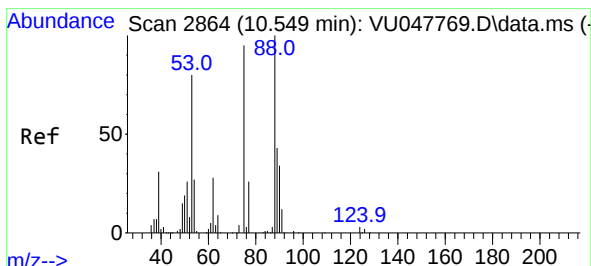
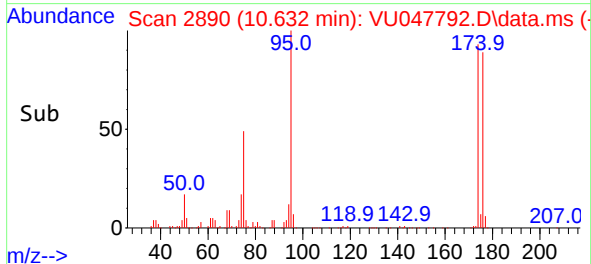
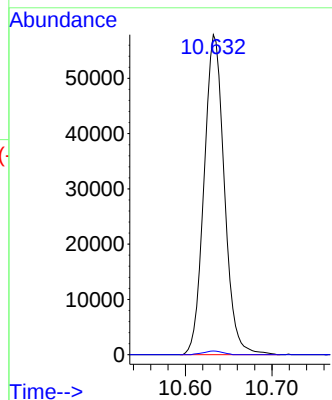
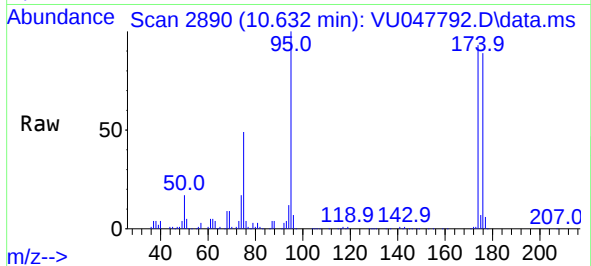




#76  
1,2,3-Trichloropropane  
Concen: 14.608 ug/l  
RT: 10.632 min Scan# 2890  
Delta R.T. -0.193 min  
Lab File: VU047792.D  
Acq: 02 Apr 2022 11:52

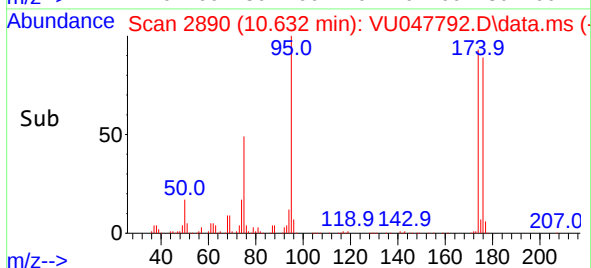
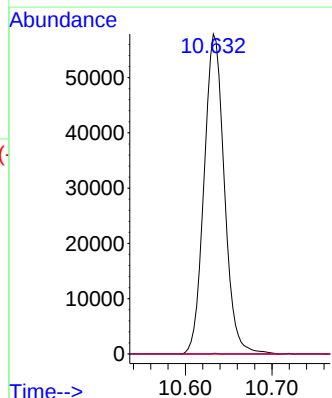
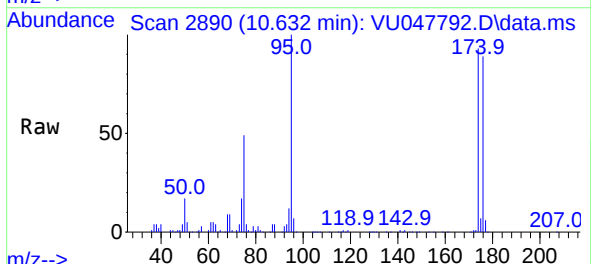
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0402WBL04

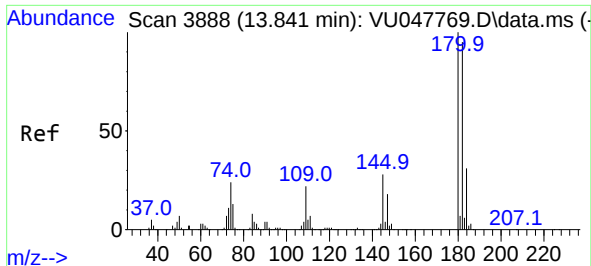
Tgt Ion: 75 Resp: 94204  
Ion Ratio Lower Upper  
75 100  
77 1.1 15.8 47.3#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 51.996 ug/l  
RT: 10.632 min Scan# 2890  
Delta R.T. 0.083 min  
Lab File: VU047792.D  
Acq: 02 Apr 2022 11:52

Tgt Ion: 75 Resp: 94204  
Ion Ratio Lower Upper  
75 100  
53 0.0 69.2 103.8#  
89 0.0 37.0 55.6#

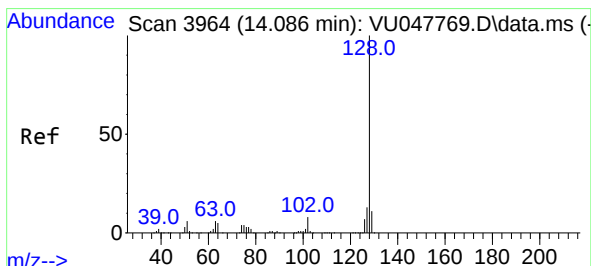
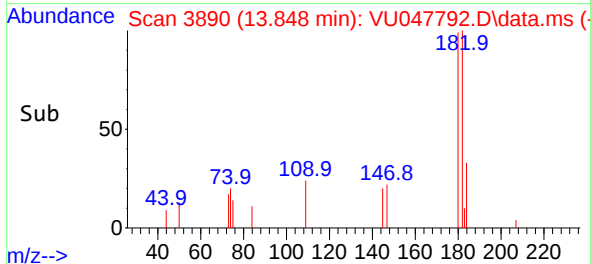
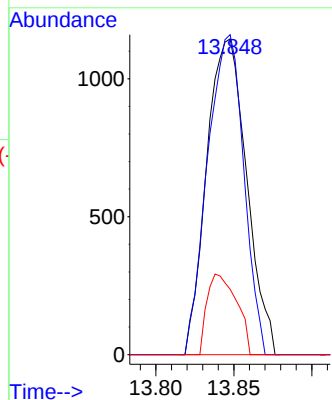
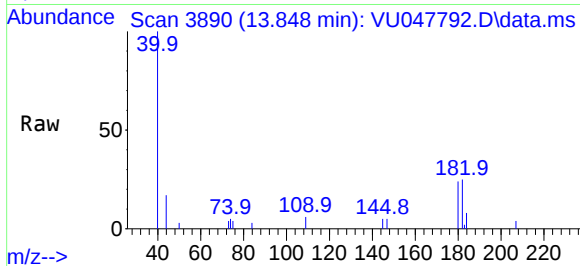




#93  
1,2,4-Trichlorobenzene  
Concen: 0.383 ug/l  
RT: 13.848 min Scan# 3888  
Delta R.T. 0.006 min  
Lab File: VU047792.D  
Acq: 02 Apr 2022 11:52

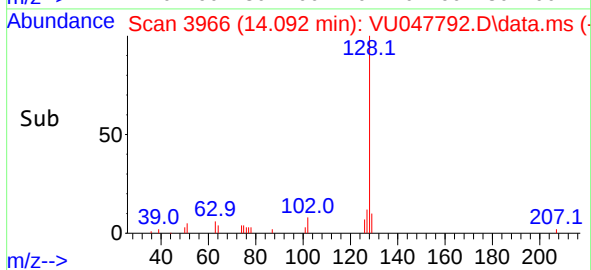
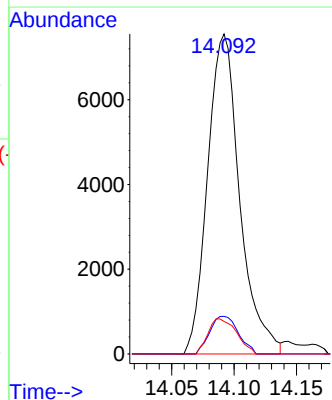
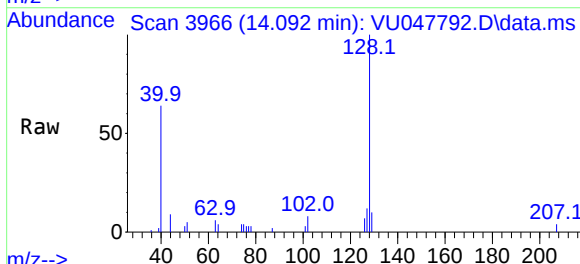
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0402WBL04

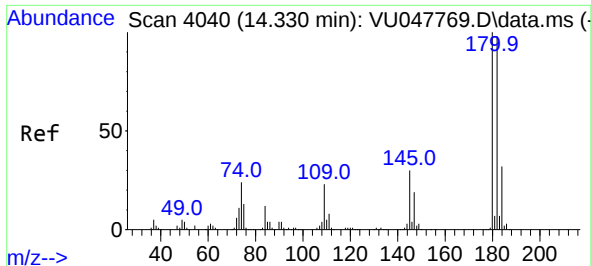
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 2036       |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 92.0  | 47.9 143.6 |
| 145         | 18.8  | 14.0 41.9  |



#95  
Naphthalene  
Concen: 0.855 ug/l  
RT: 14.092 min Scan# 3966  
Delta R.T. 0.006 min  
Lab File: VU047792.D  
Acq: 02 Apr 2022 11:52

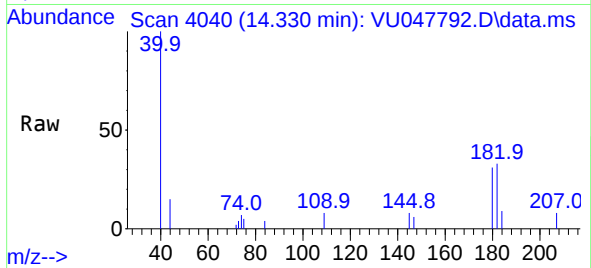
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:128 | Resp: | 13534     |
| Ion Ratio   | Lower | Upper     |
| 128         | 100   |           |
| 127         | 10.5  | 10.3 15.5 |
| 129         | 9.8   | 8.6 13.0  |





#96  
 1,2,3-Trichlorobenzene  
 Concen: 0.428 ug/l  
 RT: 14.330 min Scan# 40  
 Delta R.T. -0.000 min  
 Lab File: VU047792.D  
 Acq: 02 Apr 2022 11:52

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0402WBL04



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 2215  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 104.7 | 48.4  | 145.0 |
| 145      | 24.3  | 14.8  | 44.4  |

