

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU040621\  
 Data File : VU042960.D  
 Acq On : 06 Apr 2021 17:20  
 Operator : SY/MD  
 Sample : M1949-01  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Apr 07 01:44:46 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U032421W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 25 05:42:00 2021  
 Response via : Initial Calibration

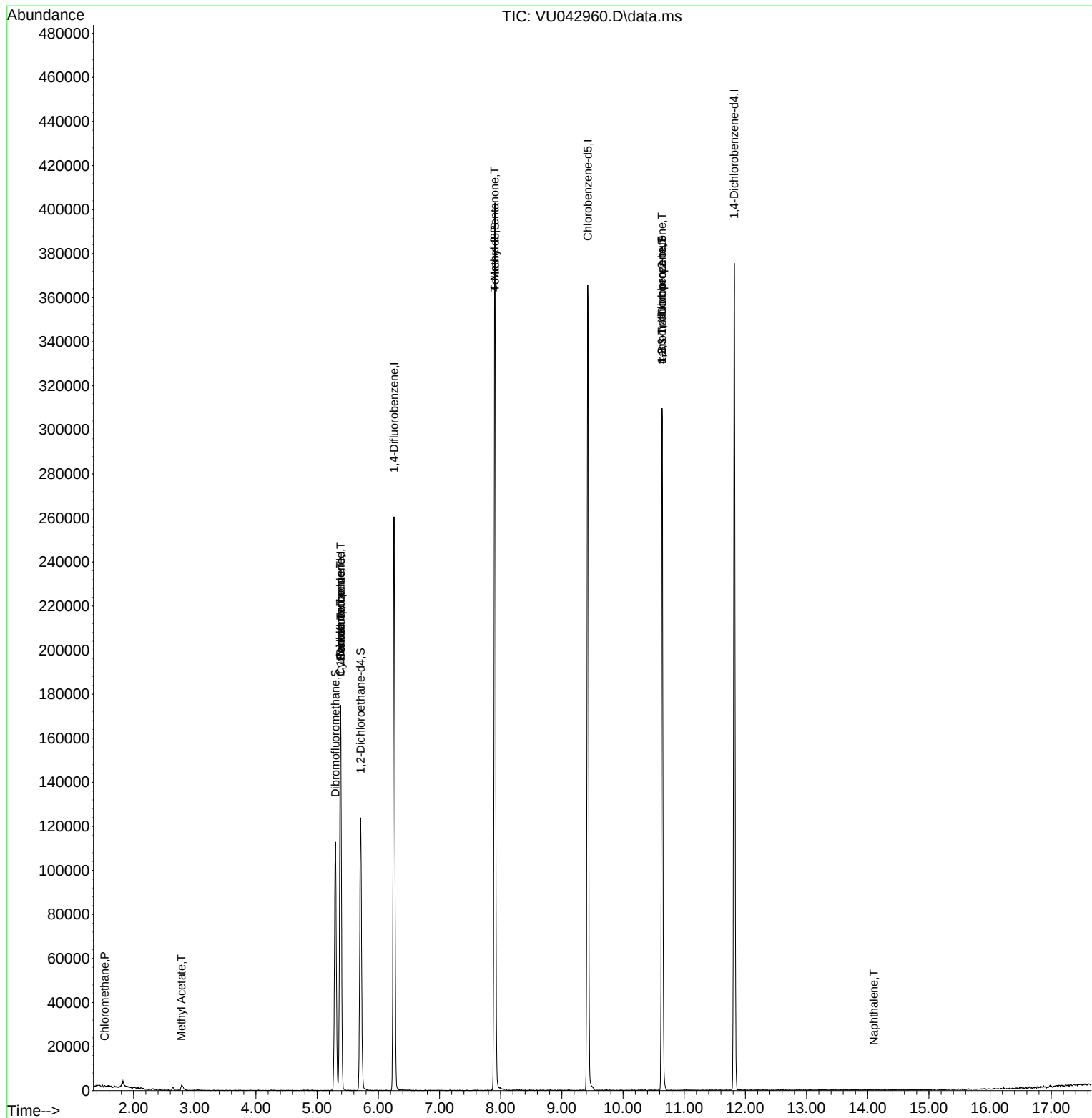
| Compound                      | R.T.   | QIon | Response | Conc      | Units   | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|---------|----------|
| -----                         |        |      |          |           |         |          |
| Internal Standards            |        |      |          |           |         |          |
| 1) Pentafluorobenzene         | 5.382  | 168  | 120122   | 50.00     | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.256  | 114  | 195771   | 50.00     | ug/l    | 0.00     |
| 63) Chlorobenzene-d5          | 9.423  | 117  | 189003   | 50.00     | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 11.819 | 152  | 92983    | 50.00     | ug/l    | 0.00     |
|                               |        |      |          |           |         |          |
| System Monitoring Compounds   |        |      |          |           |         |          |
| 33) 1,2-Dichloroethane-d4     | 5.710  | 65   | 98749    | 51.57     | ug/l    | 0.00     |
| Spiked Amount 50.000          |        |      | Recovery | =         | 103.14% |          |
| 35) Dibromofluoromethane      | 5.298  | 113  | 69381    | 47.49     | ug/l    | 0.00     |
| Spiked Amount 50.000          |        |      | Recovery | =         | 94.98%  |          |
| 50) Toluene-d8                | 7.906  | 98   | 247353   | 48.12     | ug/l    | 0.00     |
| Spiked Amount 50.000          |        |      | Recovery | =         | 96.24%  |          |
| 62) 4-Bromofluorobenzene      | 10.639 | 95   | 93202    | 46.66     | ug/l    | 0.00     |
| Spiked Amount 50.000          |        |      | Recovery | =         | 93.32%  |          |
|                               |        |      |          |           |         |          |
| Target Compounds              |        |      |          |           | Qvalue  |          |
| 3) Chloromethane              | 1.527  | 50   | 320      | 0.21      | ug/l #  | 43       |
| 5) Bromomethane               | 1.861  | 94   | 117      | Below Cal | #       | 2        |
| 6) Chloroethane               | 1.935  | 64   | 22       | Below Cal | #       | 43       |
| 16) Acetone                   | 2.639  | 43   | 1691     | Below Cal | #       | 83       |
| 18) Methyl Acetate            | 2.784  | 43   | 884      | 0.40      | ug/l #  | 56       |
| 31) Cyclohexane               | 5.379  | 56   | 2843     | 1.19      | ug/l #  | 11       |
| 36) 1,1-Dichloropropene       | 5.379  | 75   | 9720     | 5.02      | ug/l #  | 50       |
| 38) Carbon Tetrachloride      | 5.382  | 117  | 12198    | 5.52      | ug/l #  | 16       |
| 51) 4-Methyl-2-Pentanone      | 7.903  | 43   | 1404     | 0.44      | ug/l #  | 1        |
| 76) 1,2,3-Trichloropropane    | 10.639 | 75   | 52447    | 22.18     | ug/l #  | 37       |
| 81) trans-1,4-Dichloro-2-b... | 10.639 | 75   | 52447    | 65.71     | ug/l #  | 6        |
| 95) Naphthalene               | 14.102 | 128  | 86       | 2.59      | ug/l #  | 68       |
| -----                         |        |      |          |           |         |          |

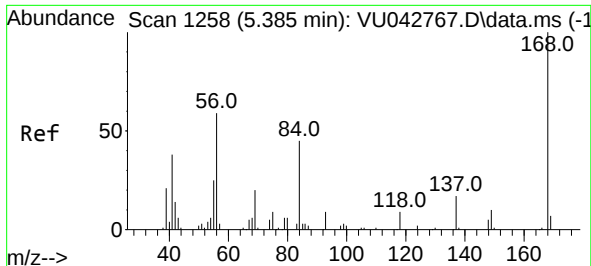
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU040621\  
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Sample : M1949-01  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Apr 07 01:44:46 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U032421W.M  
Quant Title : SW846 8260  
QLast Update : Thu Mar 25 05:42:00 2021  
Response via : Initial Calibration

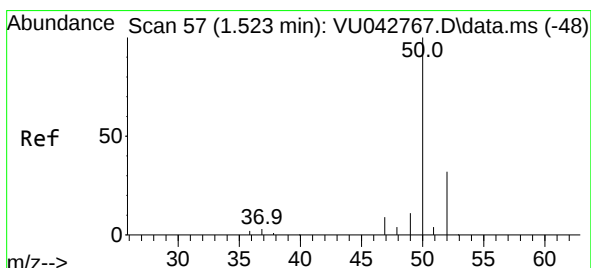
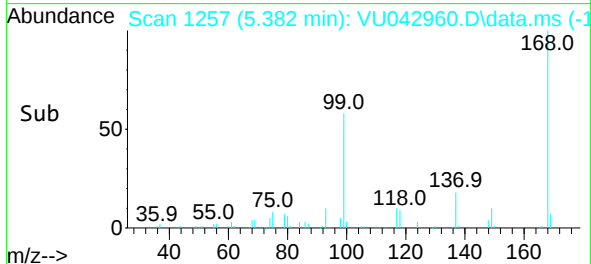
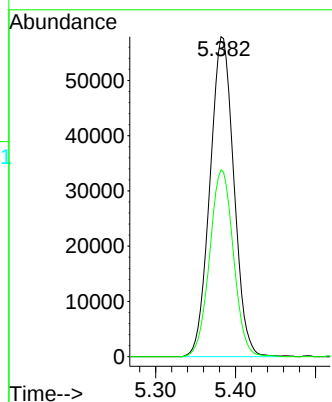
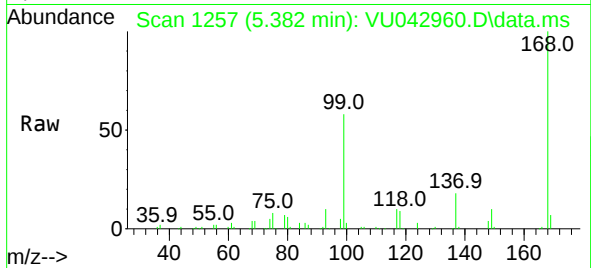




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.382 min Scan# 1257  
Delta R.T. -0.003 min  
Lab File: VU042960.D  
Acq: 06 Apr 2021 17:20

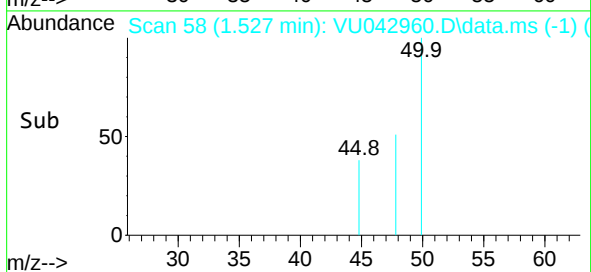
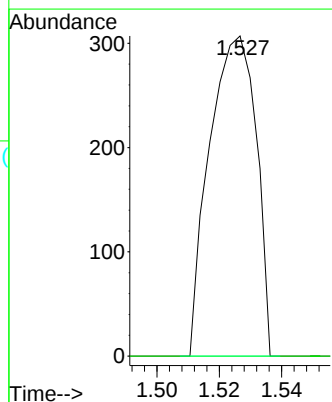
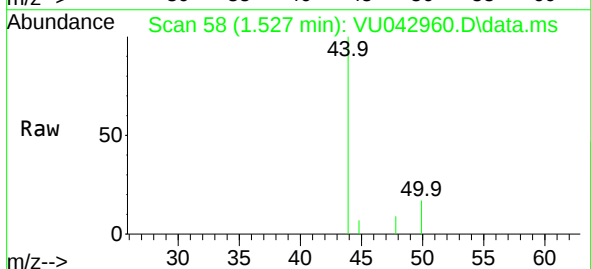
Instrument :  
MSVOA\_U  
ClientSampleId :

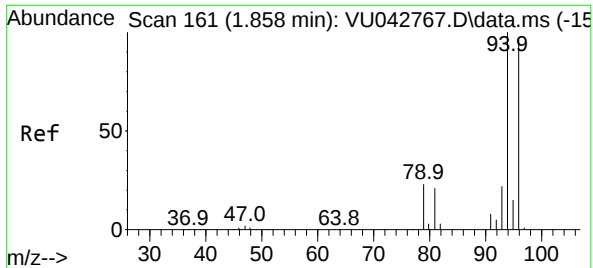
Tgt Ion:168 Resp: 120122  
Ion Ratio Lower Upper  
168 100  
99 58.4 46.4 69.6



#3  
Chloromethane  
Concen: 0.21 ug/l  
RT: 1.527 min Scan# 58  
Delta R.T. 0.004 min  
Lab File: VU042960.D  
Acq: 06 Apr 2021 17:20

Tgt Ion: 50 Resp: 320  
Ion Ratio Lower Upper  
50 100  
52 0.0 25.4 38.0#





#5

Bromomethane

Concen: Below Cal

RT: 1.861 min Scan# 162

Delta R.T. 0.003 min

Lab File: VU042960.D

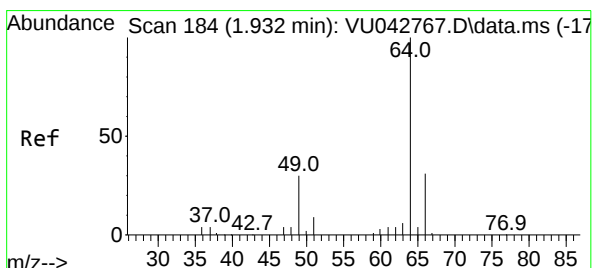
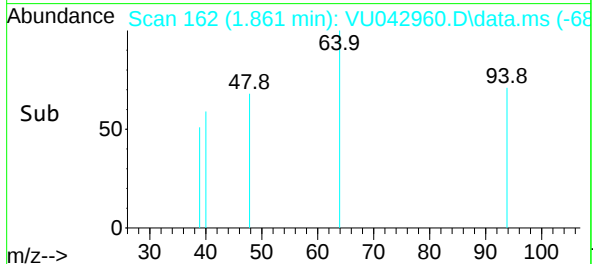
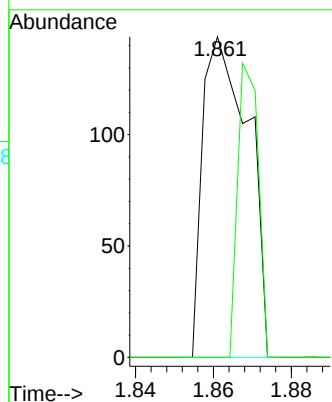
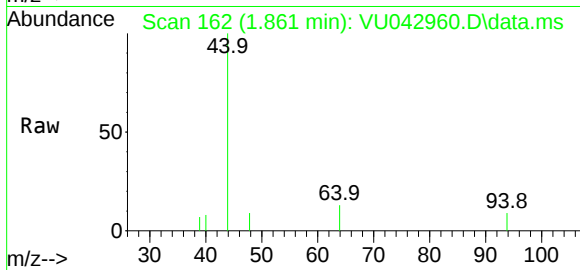
Acq: 06 Apr 2021 17:20

Tgt Ion: 94 Resp: 117

Ion Ratio Lower Upper

94 100

96 0.0 77.1 115.7#



#6

Chloroethane

Concen: Below Cal

RT: 1.935 min Scan# 185

Delta R.T. 0.003 min

Lab File: VU042960.D

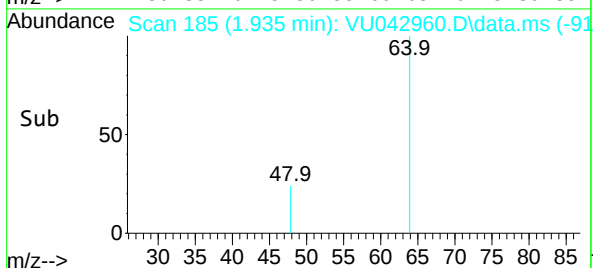
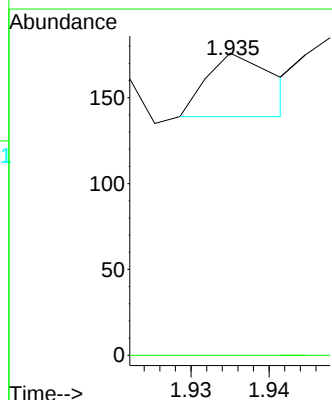
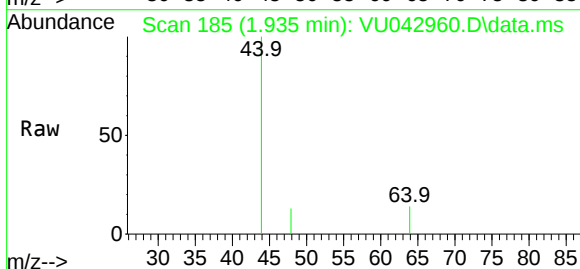
Acq: 06 Apr 2021 17:20

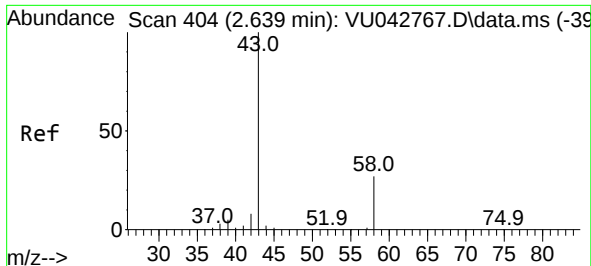
Tgt Ion: 64 Resp: 22

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#

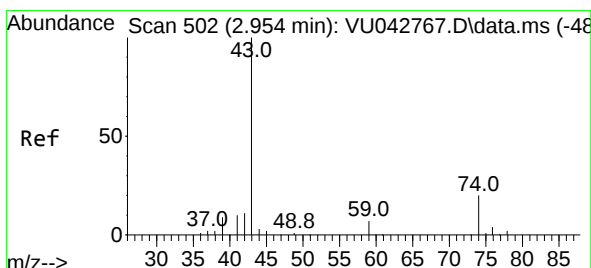
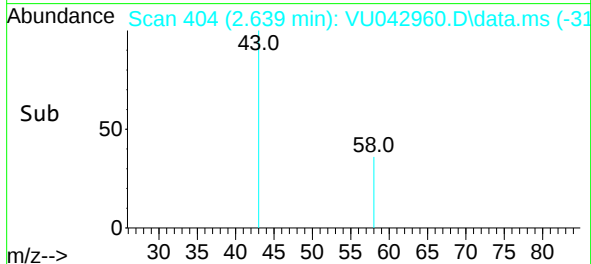
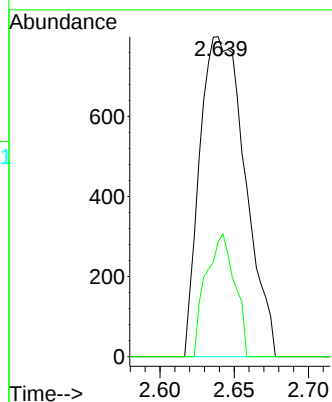
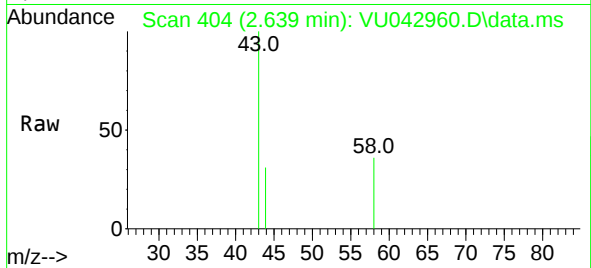




#16  
Acetone  
Concen: Below Cal  
RT: 2.639 min Scan# 404  
Delta R.T. 0.000 min  
Lab File: VU042960.D  
Acq: 06 Apr 2021 17:20

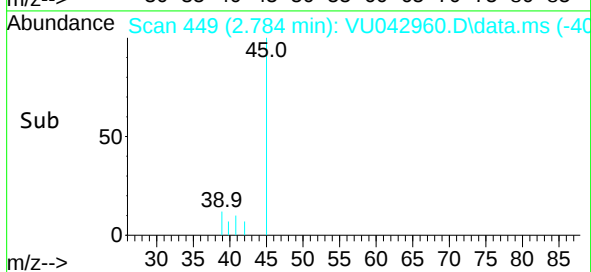
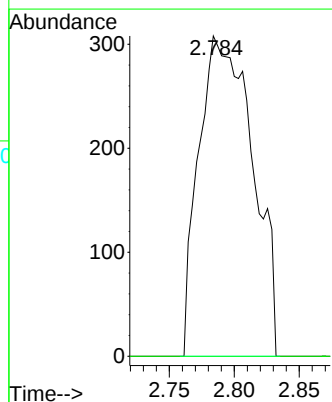
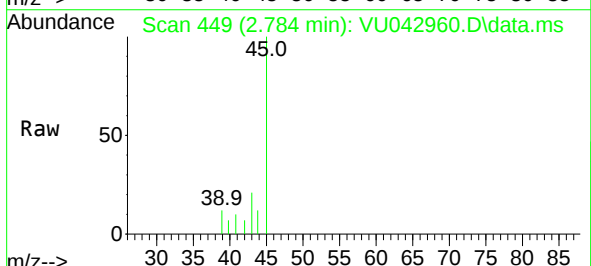
Instrument :  
MSVOA\_U  
ClientSampleId :

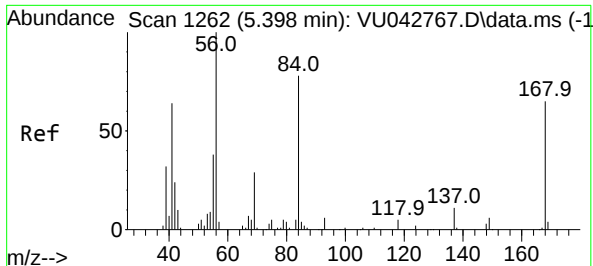
Tgt Ion: 43 Resp: 1691  
Ion Ratio Lower Upper  
43 100  
58 35.8 21.6 32.4#



#18  
Methyl Acetate  
Concen: 0.40 ug/l  
RT: 2.784 min Scan# 449  
Delta R.T. -0.170 min  
Lab File: VU042960.D  
Acq: 06 Apr 2021 17:20

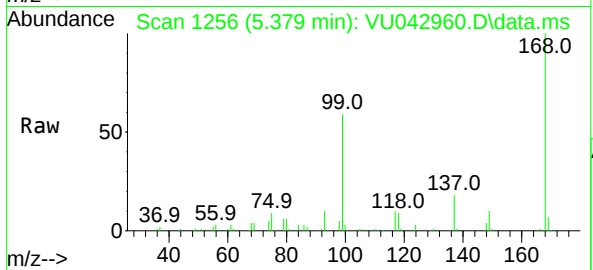
Tgt Ion: 43 Resp: 884  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.2 24.4#



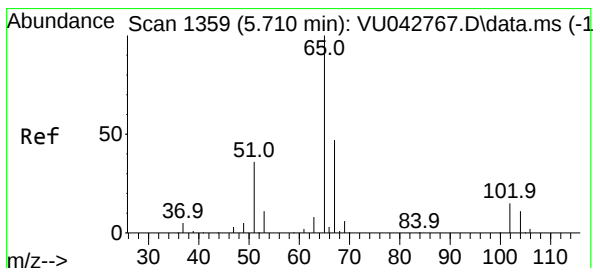
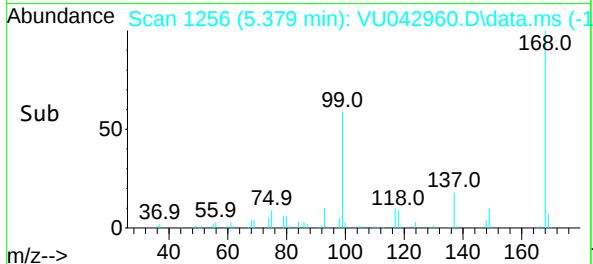
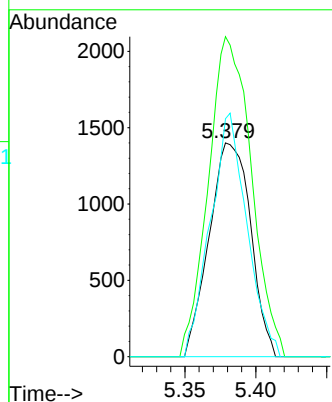


#31  
Cyclohexane  
Concen: 1.19 ug/l  
RT: 5.379 min Scan# 1256  
Delta R.T. -0.019 min  
Lab File: VU042960.D  
Acq: 06 Apr 2021 17:20

Instrument :  
MSVOA\_U  
ClientSampled :

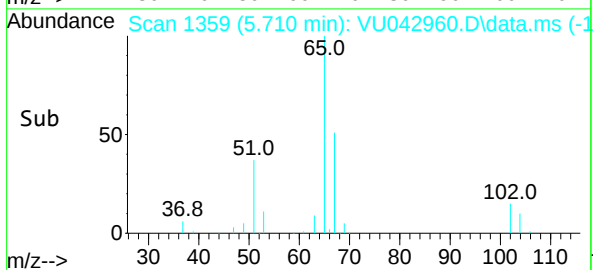
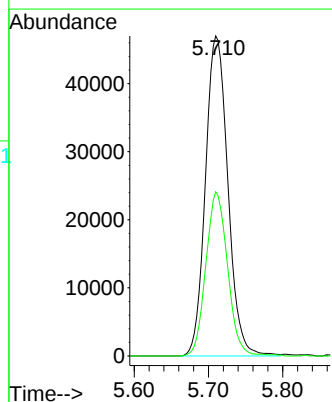
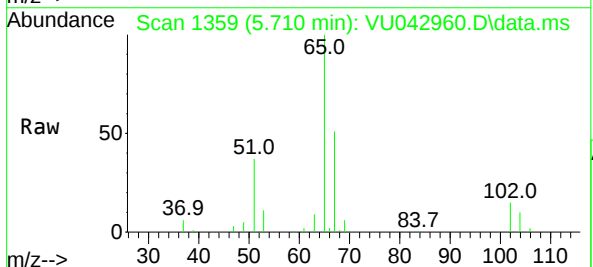


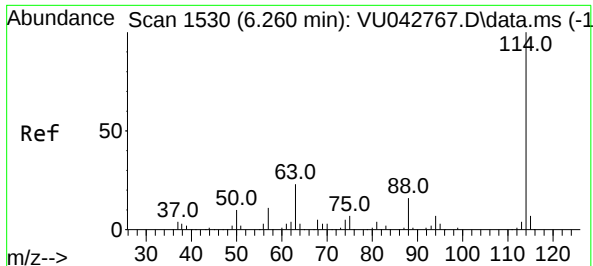
Tgt Ion: 56 Resp: 2843  
Ion Ratio Lower Upper  
56 100  
69 149.7 23.3 34.9#  
84 111.3 62.2 93.4#



#33  
1,2-Dichloroethane-d4  
Concen: 51.57 ug/l  
RT: 5.710 min Scan# 1359  
Delta R.T. -0.000 min  
Lab File: VU042960.D  
Acq: 06 Apr 2021 17:20

Tgt Ion: 65 Resp: 98749  
Ion Ratio Lower Upper  
65 100  
67 49.5 0.0 98.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.256 min Scan# 1529

Delta R.T. -0.004 min

Lab File: VU042960.D

Acq: 06 Apr 2021 17:20

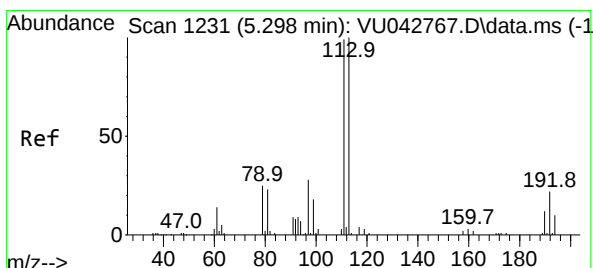
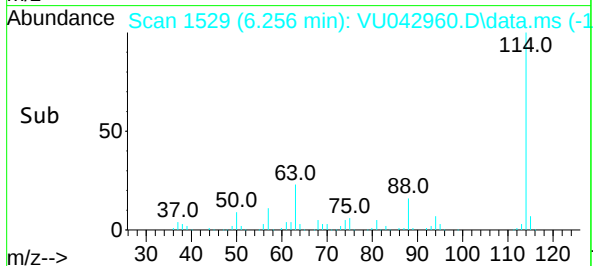
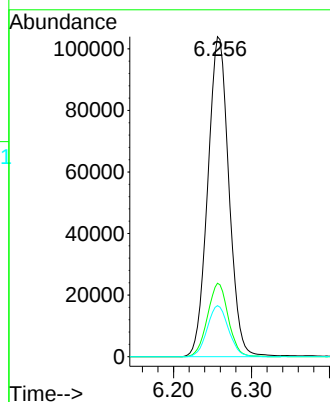
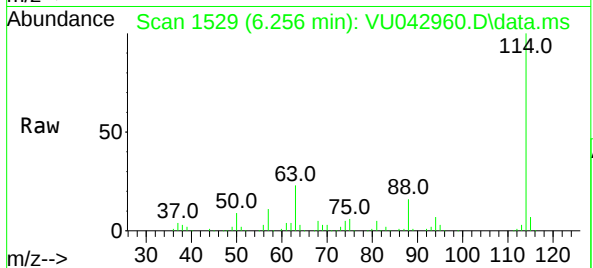
Tgt Ion:114 Resp: 195771

Ion Ratio Lower Upper

114 100

63 23.0 0.0 46.8

88 16.0 0.0 32.2



#35

Dibromofluoromethane

Concen: 47.49 ug/l

RT: 5.298 min Scan# 1231

Delta R.T. -0.000 min

Lab File: VU042960.D

Acq: 06 Apr 2021 17:20

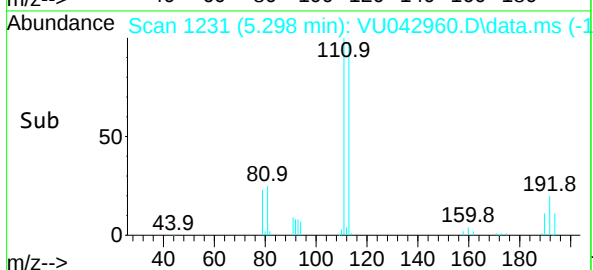
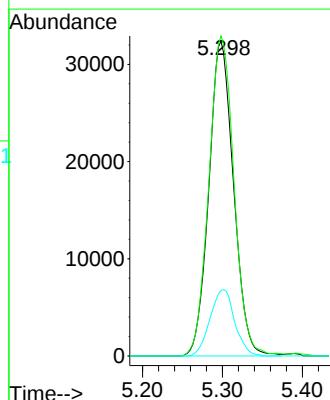
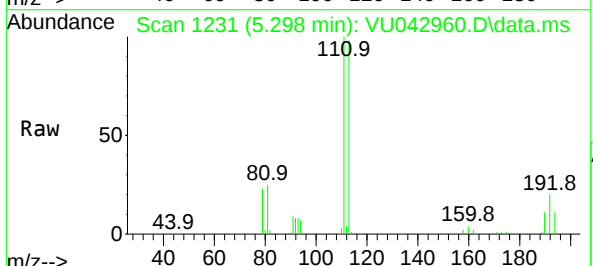
Tgt Ion:113 Resp: 69381

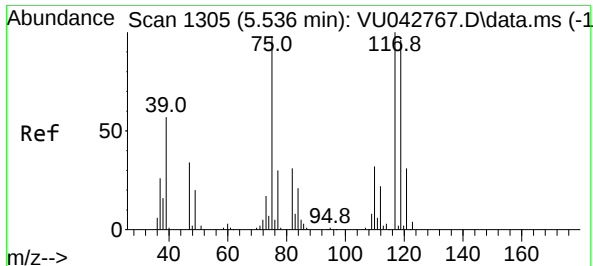
Ion Ratio Lower Upper

113 100

111 103.3 82.1 123.1

192 21.0 17.6 26.4

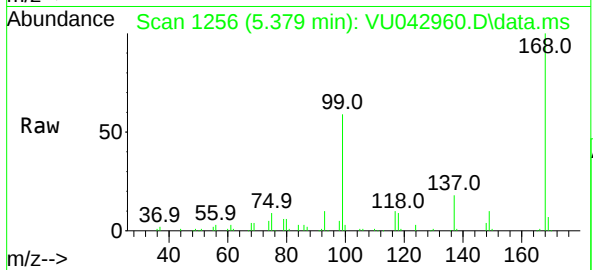




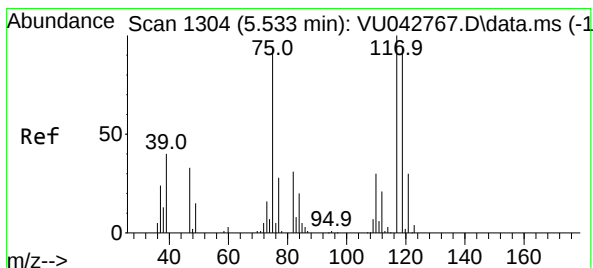
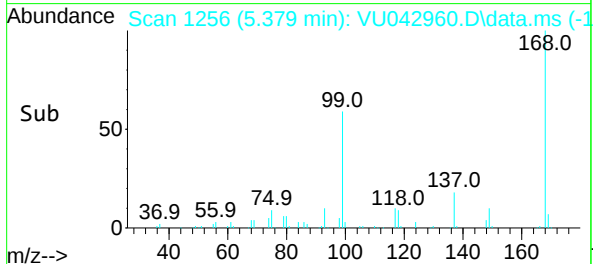
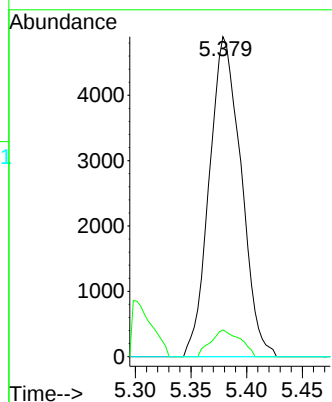
#36

1,1-Dichloropropene  
Concen: 5.02 ug/l  
RT: 5.379 min Scan# 1256  
Delta R.T. -0.158 min  
Lab File: VU042960.D  
Acq: 06 Apr 2021 17:20

Instrument :  
MSVOA\_U  
ClientSampleId :

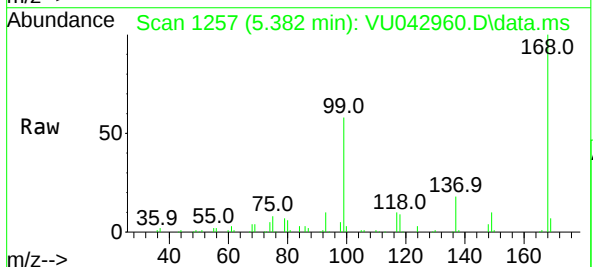


Tgt Ion: 75 Resp: 9720  
Ion Ratio Lower Upper  
75 100  
110 7.7 16.6 49.7#  
77 0.0 24.7 37.1#

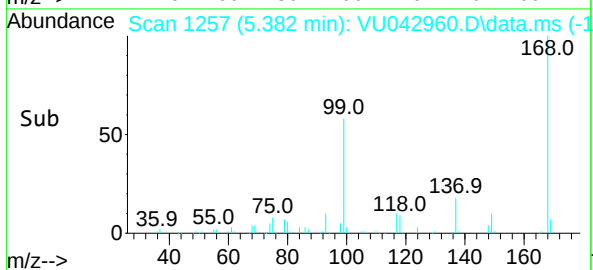
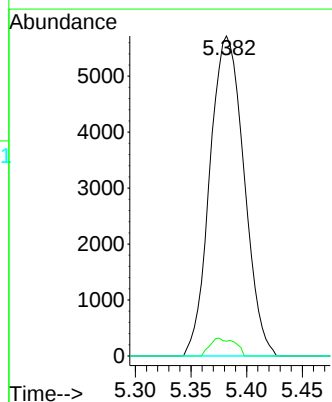


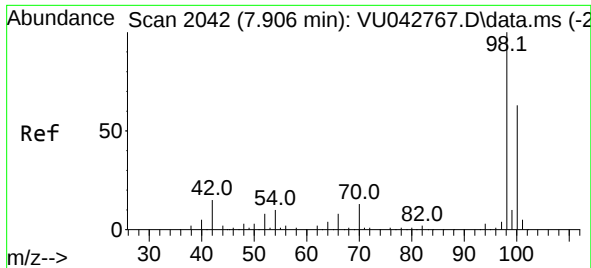
#38

Carbon Tetrachloride  
Concen: 5.52 ug/l  
RT: 5.382 min Scan# 1257  
Delta R.T. -0.151 min  
Lab File: VU042960.D  
Acq: 06 Apr 2021 17:20



Tgt Ion: 117 Resp: 12198  
Ion Ratio Lower Upper  
117 100  
119 4.6 75.2 112.8#  
121 0.0 24.2 36.4#

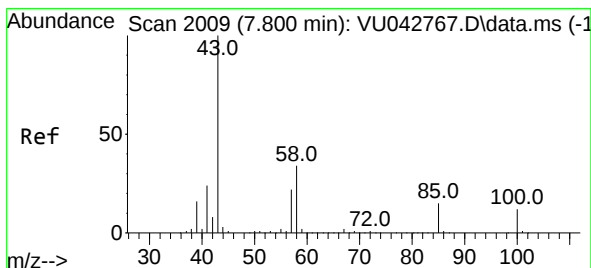
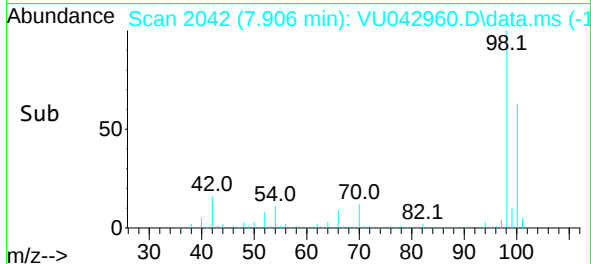
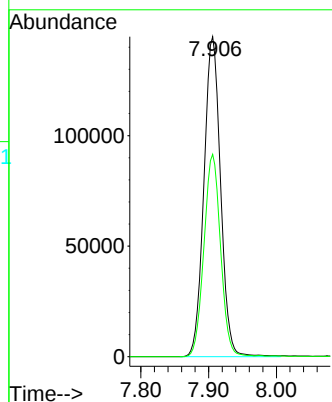
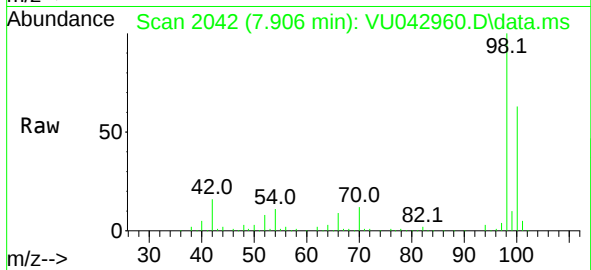




#50  
Toluene-d8  
Concen: 48.12 ug/l  
RT: 7.906 min Scan# 2042  
Delta R.T. -0.000 min  
Lab File: VU042960.D  
Acq: 06 Apr 2021 17:20

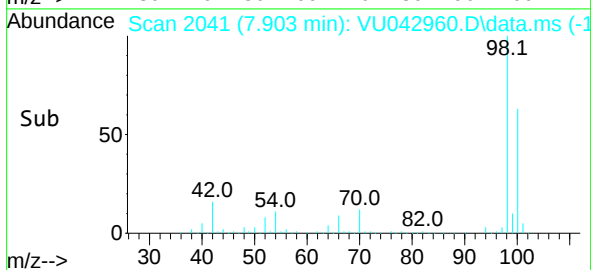
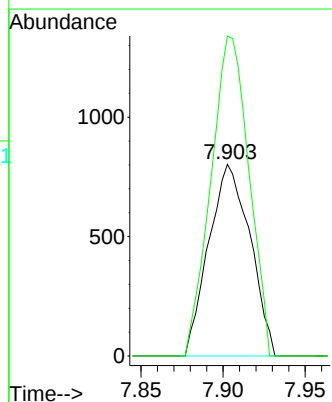
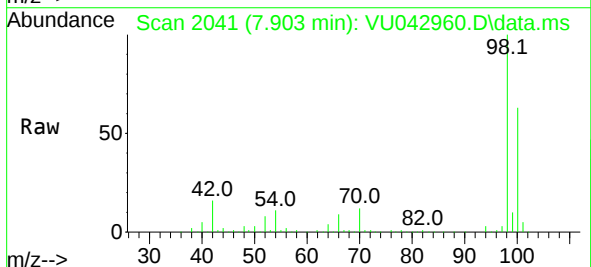
Instrument :  
MSVOA\_U  
ClientSampled :

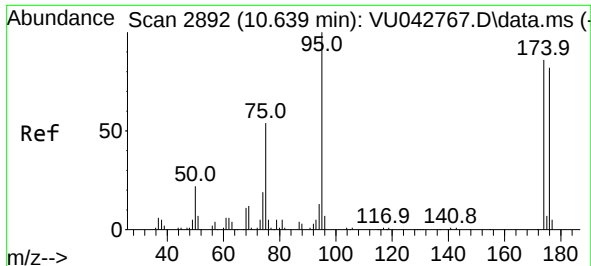
Tgt Ion: 98 Resp: 247353  
Ion Ratio Lower Upper  
98 100  
100 63.0 50.4 75.6



#51  
4-Methyl-2-Pentanone  
Concen: 0.44 ug/l  
RT: 7.903 min Scan# 2041  
Delta R.T. 0.103 min  
Lab File: VU042960.D  
Acq: 06 Apr 2021 17:20

Tgt Ion: 43 Resp: 1404  
Ion Ratio Lower Upper  
43 100  
58 153.6 27.4 41.2#

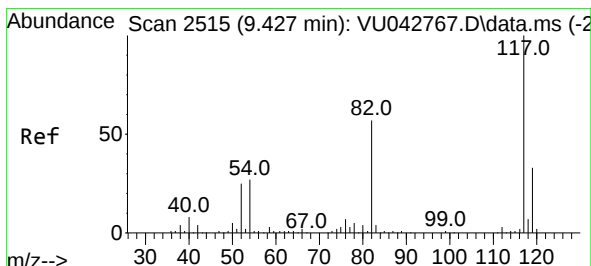
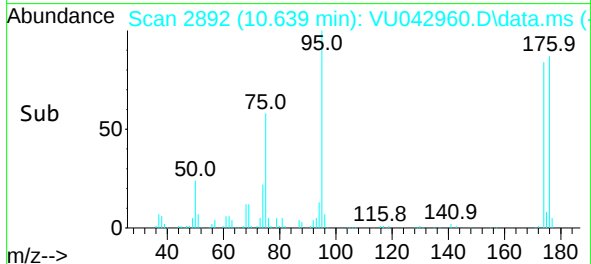
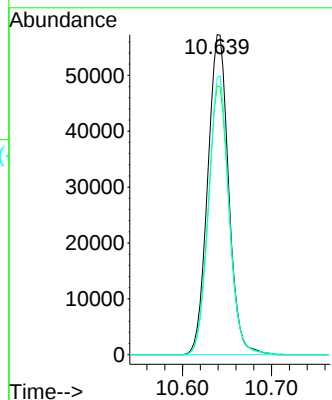
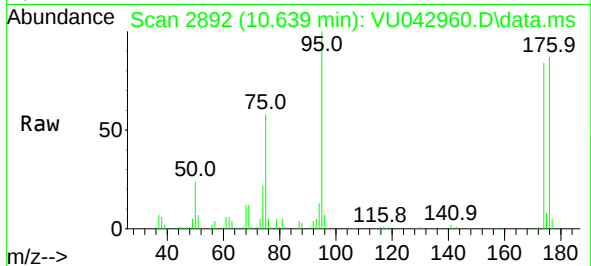




#62  
4-Bromofluorobenzene  
Concen: 46.66 ug/l  
RT: 10.639 min Scan# 2892  
Delta R.T. -0.000 min  
Lab File: VU042960.D  
Acq: 06 Apr 2021 17:20

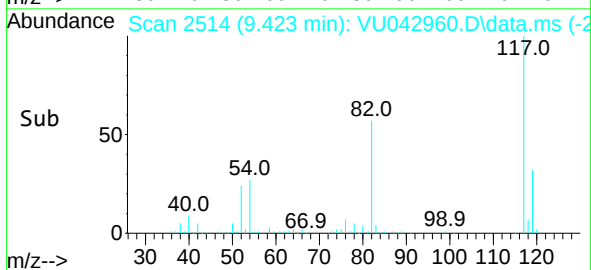
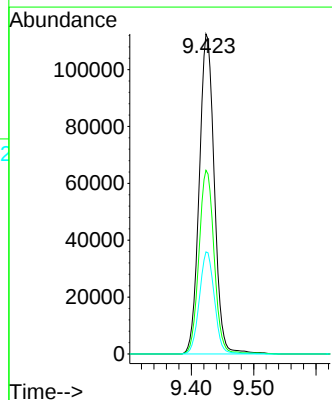
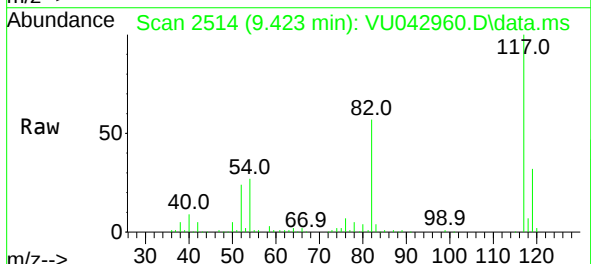
Instrument :  
MSVOA\_U  
ClientSampleId :

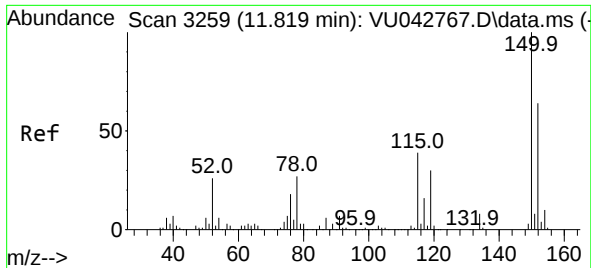
Tgt Ion: 95 Resp: 93202  
Ion Ratio Lower Upper  
95 100  
174 84.2 0.0 175.2  
176 85.4 0.0 167.4



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 9.423 min Scan# 2514  
Delta R.T. -0.003 min  
Lab File: VU042960.D  
Acq: 06 Apr 2021 17:20

Tgt Ion: 117 Resp: 189003  
Ion Ratio Lower Upper  
117 100  
82 57.4 45.5 68.3  
119 31.9 26.2 39.4

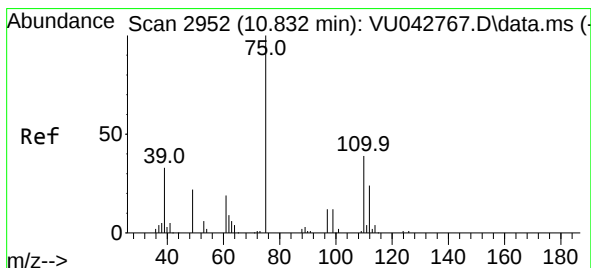
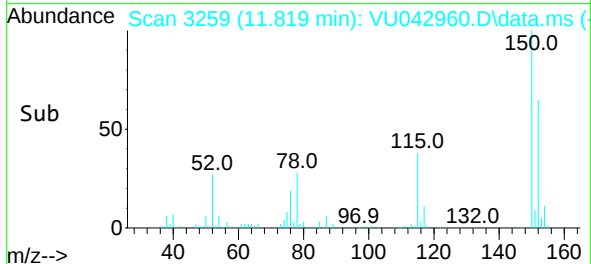
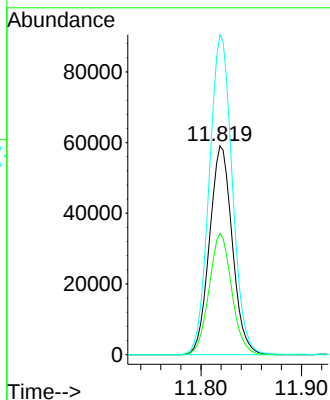
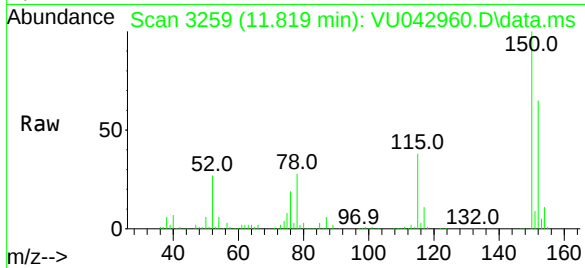




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 11.819 min Scan# 3259  
 Delta R.T. -0.000 min  
 Lab File: VU042960.D  
 Acq: 06 Apr 2021 17:20

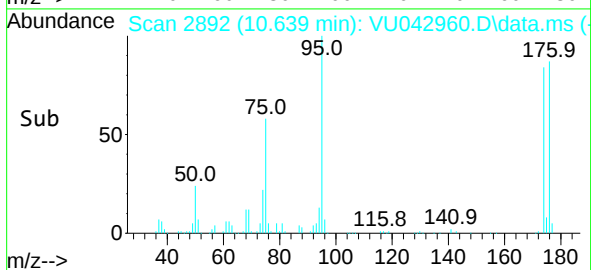
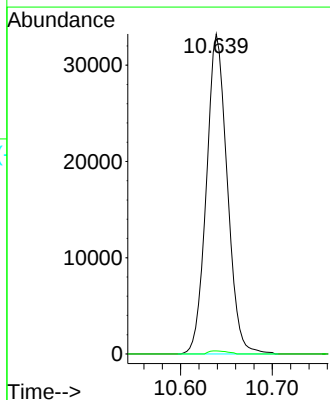
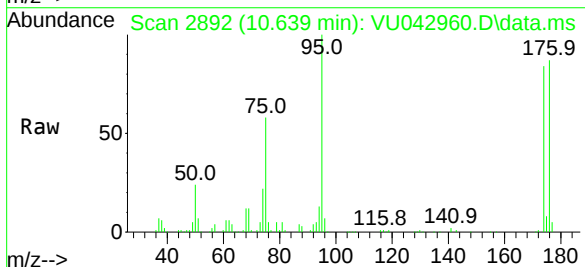
Instrument :  
 MSVOA\_U  
 ClientSampleId :

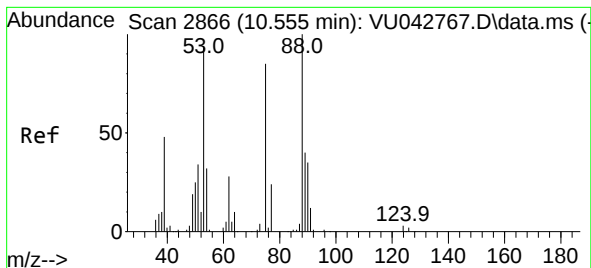
Tgt Ion:152 Resp: 92983  
 Ion Ratio Lower Upper  
 152 100  
 115 57.6 41.0 123.0  
 150 155.0 0.0 341.0



#76  
 1,2,3-Trichloropropane  
 Concen: 22.18 ug/l  
 RT: 10.639 min Scan# 2892  
 Delta R.T. -0.193 min  
 Lab File: VU042960.D  
 Acq: 06 Apr 2021 17:20

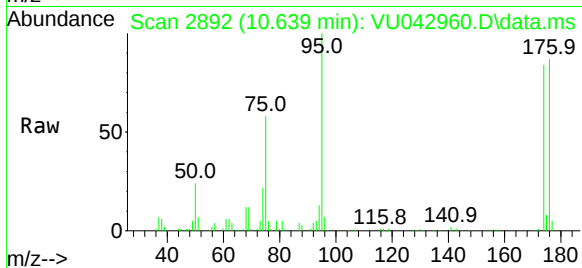
Tgt Ion: 75 Resp: 52447  
 Ion Ratio Lower Upper  
 75 100  
 77 0.9 19.6 58.8#



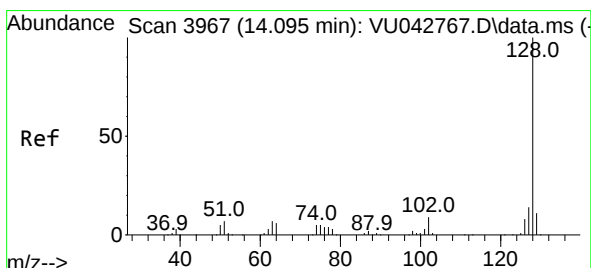
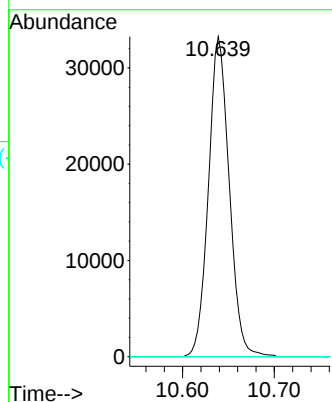
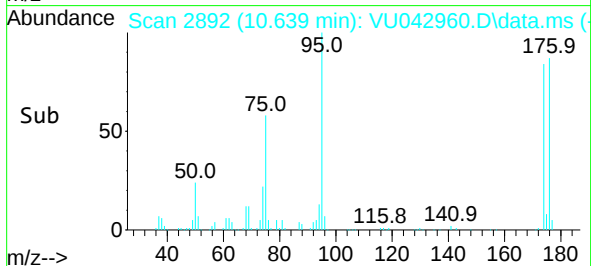


#81  
trans-1,4-Dichloro-2-butene  
Concen: 65.71 ug/l  
RT: 10.639 min Scan# 2892  
Delta R.T. 0.084 min  
Lab File: VU042960.D  
Acq: 06 Apr 2021 17:20

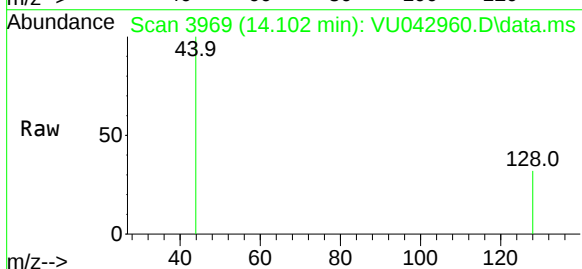
Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion: 75 Resp: 52447  
Ion Ratio Lower Upper  
75 100  
53 0.0 88.3 132.5#  
89 0.0 35.7 53.5#



#95  
Naphthalene  
Concen: 2.59 ug/l  
RT: 14.102 min Scan# 3969  
Delta R.T. 0.007 min  
Lab File: VU042960.D  
Acq: 06 Apr 2021 17:20



Tgt Ion: 128 Resp: 86  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.9 16.3#  
129 0.0 8.7 13.1#

