

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU062722\  
 Data File : VU049442.D  
 Acq On : 28 Jun 2022 07:23  
 Operator : SY/MD  
 Sample : N3482-05  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MW-40D

Quant Time: Jun 28 08:31:44 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U062722W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 28 05:14:22 2022  
 Response via : Initial Calibration

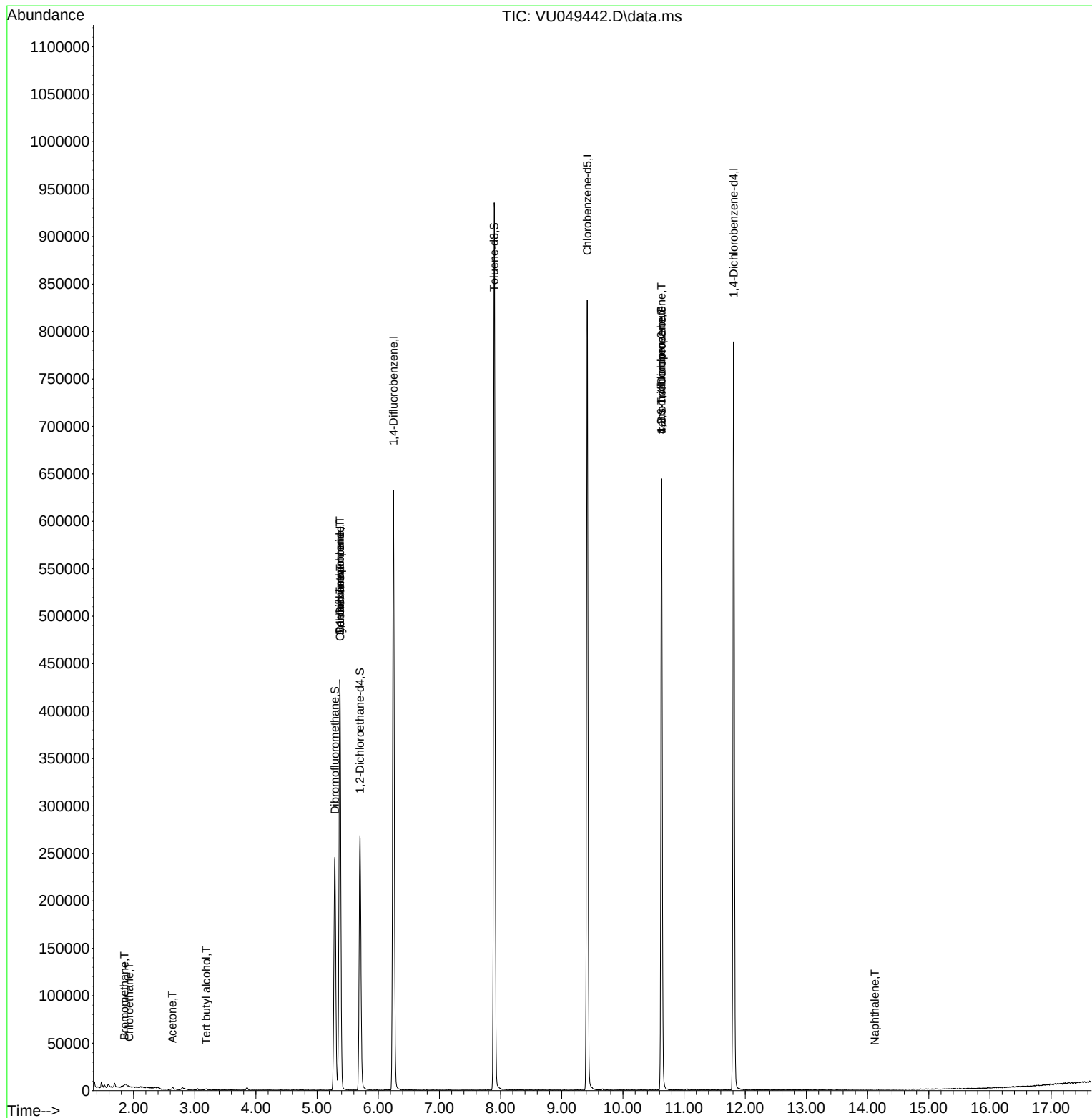
| Compound                      | R.T.   | QIon  | Response | Conc        | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|-------------|-------|----------|
| -----                         |        |       |          |             |       |          |
| Internal Standards            |        |       |          |             |       |          |
| 1) Pentafluorobenzene         | 5.372  | 168   | 299711   | 50.000      | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene       | 6.250  | 114   | 516495   | 50.000      | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 9.417  | 117   | 459991   | 50.000      | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 11.812 | 152   | 210140   | 50.000      | ug/l  | 0.00     |
| System Monitoring Compounds   |        |       |          |             |       |          |
| 33) 1,2-Dichloroethane-d4     | 5.700  | 65    | 201346   | 43.622      | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery    | =     | 87.240%  |
| 35) Dibromofluoromethane      | 5.292  | 113   | 165074   | 45.682      | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery    | =     | 91.360%  |
| 50) Toluene-d8                | 7.896  | 98    | 617384   | 47.902      | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery    | =     | 95.800%  |
| 62) 4-Bromofluorobenzene      | 10.632 | 95    | 224380   | 45.447      | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery    | =     | 90.900%  |
| Target Compounds              |        |       |          |             |       |          |
|                               |        |       |          |             |       | Qvalue   |
| 3) Chloromethane              | 1.520  | 50    | 2238     | Below Cal   |       | 92       |
| 5) Bromomethane               | 1.851  | 94    | 309      | 0.205 ug/l  | #     | 69       |
| 6) Chloroethane               | 1.928  | 64    | 85       | 1.952 ug/l  | #     | 44       |
| 11) Tert butyl alcohol        | 3.186  | 59    | 1058     | 0.979 ug/l  | #     | 37       |
| 16) Acetone                   | 2.636  | 43    | 2871     | 1.233 ug/l  |       | 96       |
| 20) Methylene Chloride        | 3.044  | 84    | 520      | Below Cal   | #     | 77       |
| 31) Cyclohexane               | 5.375  | 56    | 5681     | 0.820 ug/l  | #     | 1        |
| 36) 1,1-Dichloropropene       | 5.372  | 75    | 24689    | 4.712 ug/l  | #     | 49       |
| 38) Carbon Tetrachloride      | 5.372  | 117   | 29614    | 5.389 ug/l  | #     | 16       |
| 76) 1,2,3-Trichloropropane    | 10.632 | 75    | 111298   | 15.624 ug/l | #     | 45       |
| 81) trans-1,4-Dichloro-2-b... | 10.632 | 75    | 111298   | 57.697 ug/l | #     | 15       |
| 95) Naphthalene               | 14.118 | 128   | 513      | 1.766 ug/l  | #     | 69       |
| -----                         |        |       |          |             |       |          |

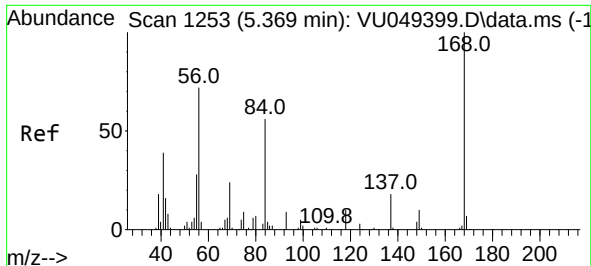
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU062722\  
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Sample : N3482-05  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 49 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
MW-40D

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U062722W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jun 28 05:14:22 2022  
Response via : Initial Calibration

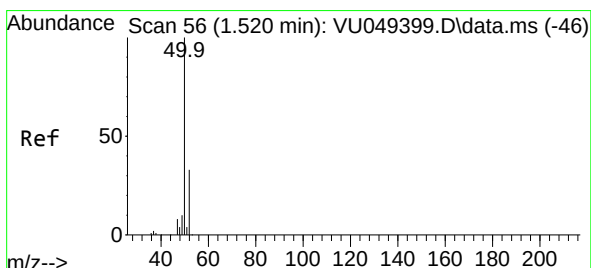
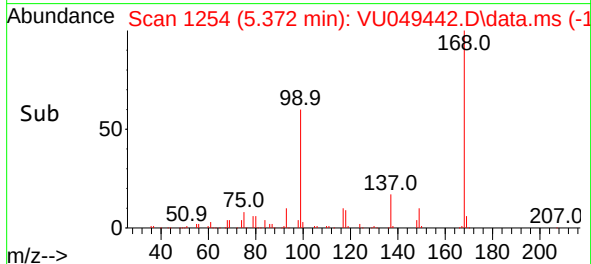
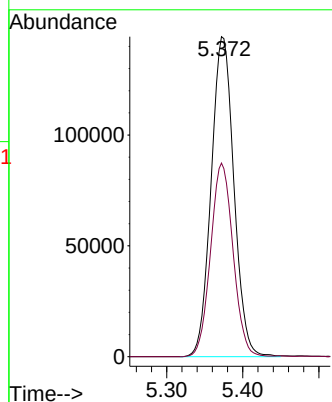
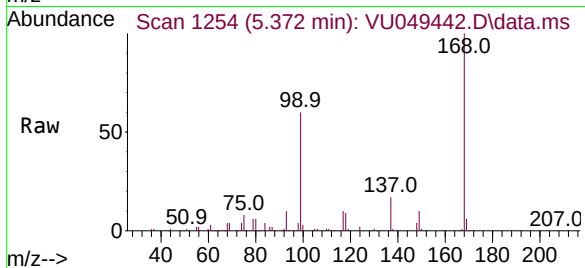




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.372 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VU049442.D  
Acq: 28 Jun 2022 07:23

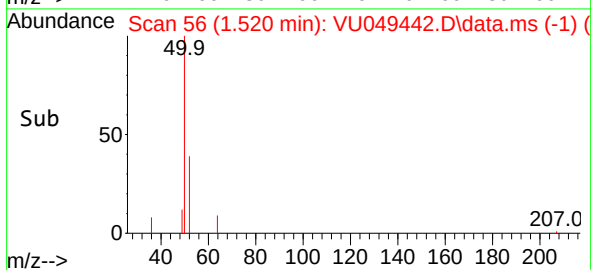
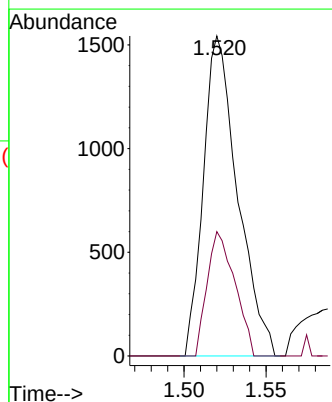
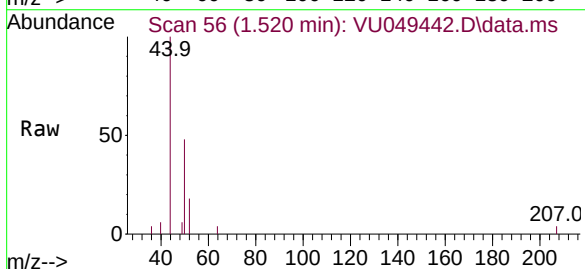
Instrument :  
MSVOA\_U  
ClientSampleId :  
MW-40D

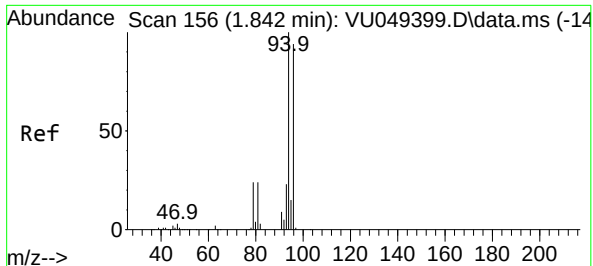
Tgt Ion:168 Resp: 299711  
Ion Ratio Lower Upper  
168 100  
99 60.5 39.3 58.9#



#3  
Chloromethane  
Concen: Below Cal  
RT: 1.520 min Scan# 56  
Delta R.T. -0.000 min  
Lab File: VU049442.D  
Acq: 28 Jun 2022 07:23

Tgt Ion: 50 Resp: 2238  
Ion Ratio Lower Upper  
50 100  
52 38.9 27.4 41.2

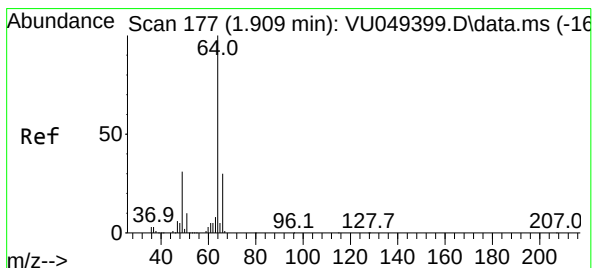
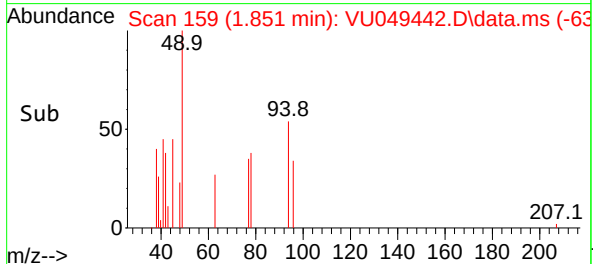
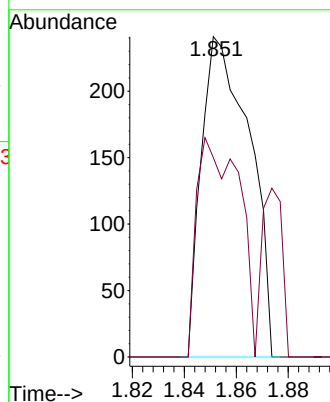
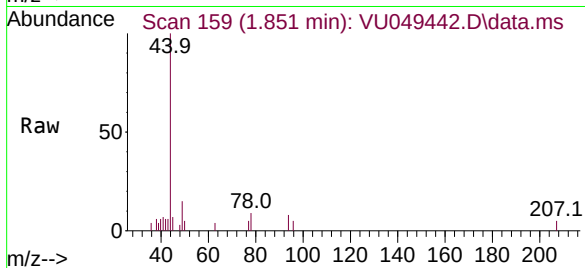




#5  
Bromomethane  
Concen: 0.205 ug/l  
RT: 1.851 min Scan# 11  
Delta R.T. 0.010 min  
Lab File: VU049442.D  
Acq: 28 Jun 2022 07:23

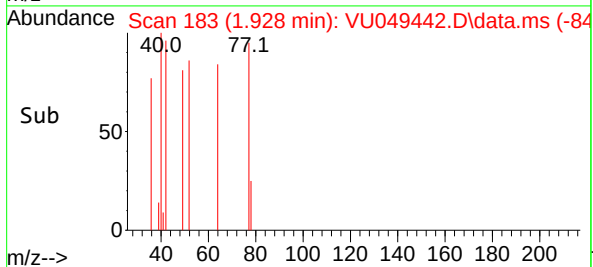
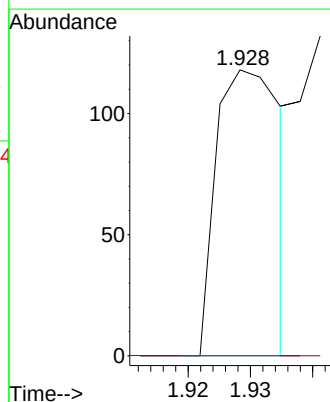
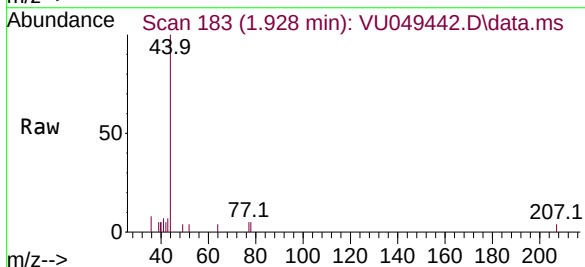
Instrument :  
MSVOA\_U  
ClientSampleId :  
MW-40D

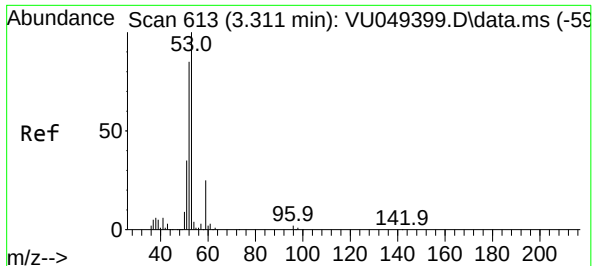
Tgt Ion: 94 Resp: 309  
Ion Ratio Lower Upper  
94 100  
96 62.2 73.7 110.5#



#6  
Chloroethane  
Concen: 1.952 ug/l  
RT: 1.928 min Scan# 183  
Delta R.T. 0.019 min  
Lab File: VU049442.D  
Acq: 28 Jun 2022 07:23

Tgt Ion: 64 Resp: 85  
Ion Ratio Lower Upper  
64 100  
66 0.0 24.7 37.1#





#11

Tert butyl alcohol

Concen: 0.979 ug/l

RT: 3.186 min Scan# 51

Delta R.T. -0.125 min

Lab File: VU049442.D

Acq: 28 Jun 2022 07:23

Instrument :

MSVOA\_U

ClientSampleId :

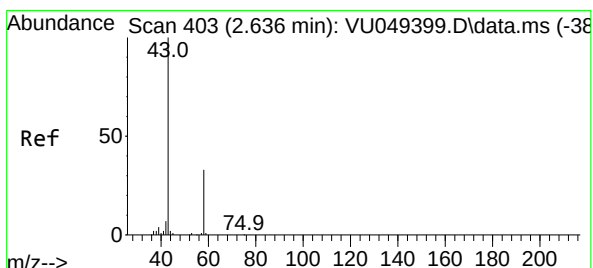
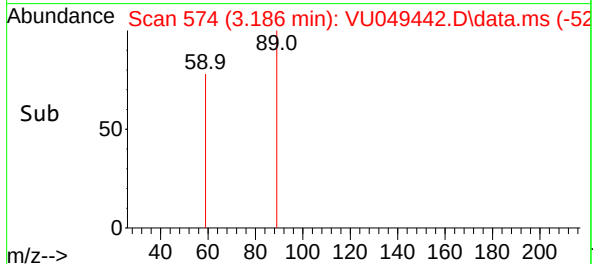
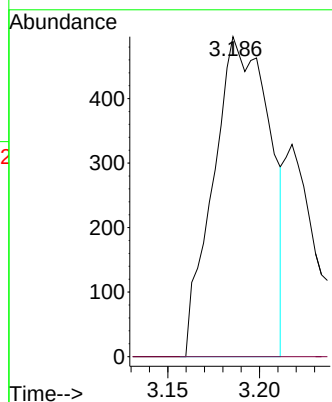
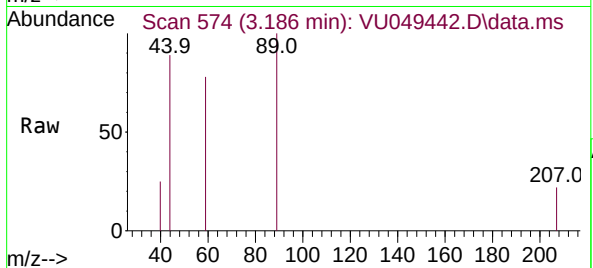
MW-40D

Tgt Ion: 59 Resp: 1058

Ion Ratio Lower Upper

59 100

57 0.0 30.6 45.8#



#16

Acetone

Concen: 1.233 ug/l

RT: 2.636 min Scan# 403

Delta R.T. -0.000 min

Lab File: VU049442.D

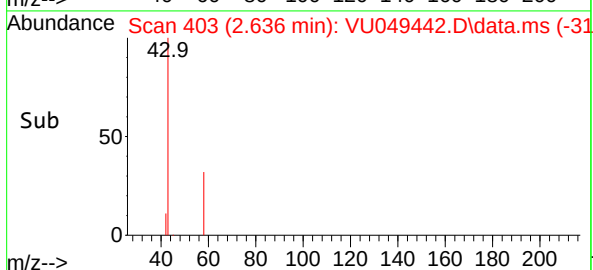
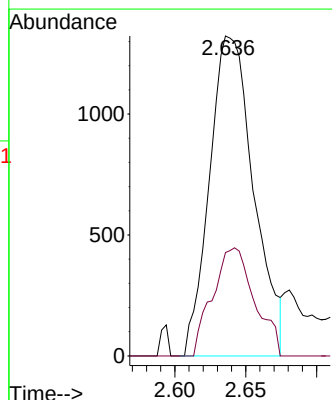
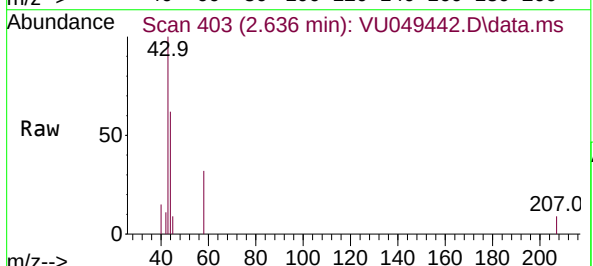
Acq: 28 Jun 2022 07:23

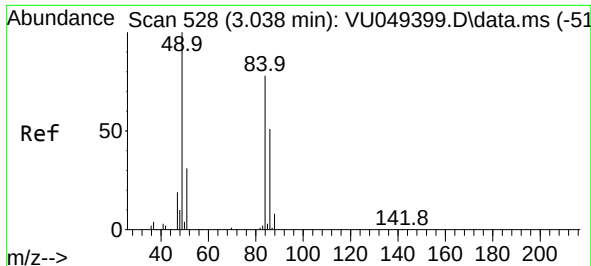
Tgt Ion: 43 Resp: 2871

Ion Ratio Lower Upper

43 100

58 32.3 27.5 41.3

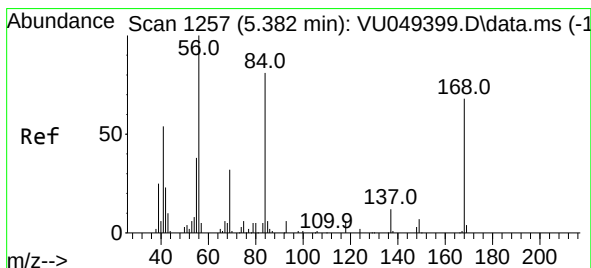
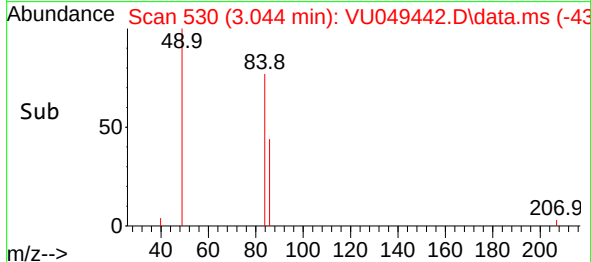
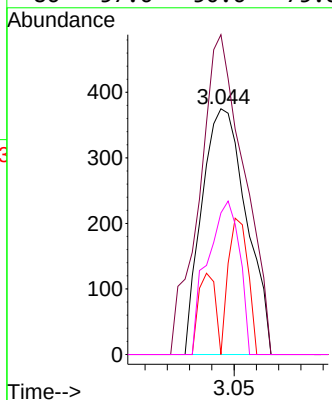
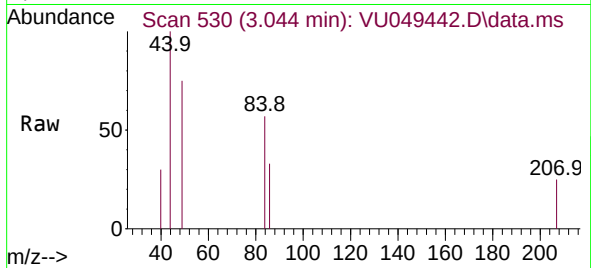




#20  
Methylene Chloride  
Concen: Below Cal  
RT: 3.044 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VU049442.D  
Acq: 28 Jun 2022 07:23

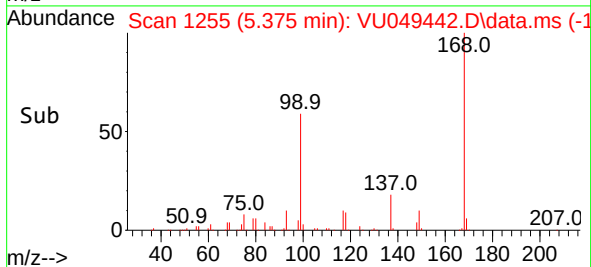
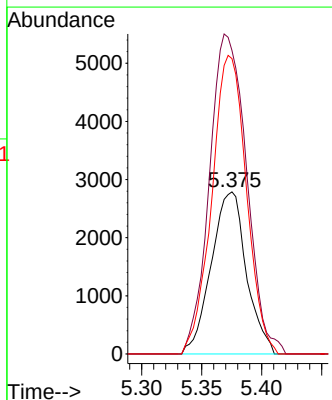
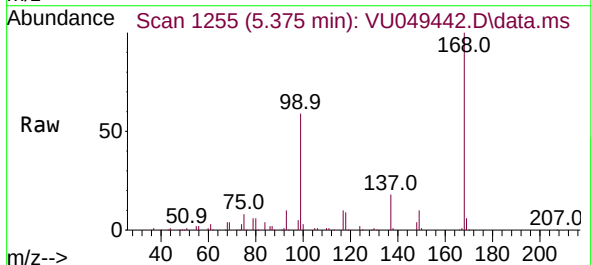
Instrument :  
MSVOA\_U  
ClientSampleId :  
MW-40D

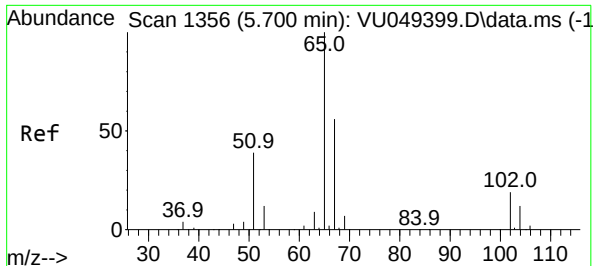
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 520    |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 130.1 | 86.6  | 129.8# |
| 51       | 0.0   | 26.6  | 40.0#  |
| 86       | 57.6  | 50.6  | 75.8   |



#31  
Cyclohexane  
Concen: 0.820 ug/l  
RT: 5.375 min Scan# 1255  
Delta R.T. -0.006 min  
Lab File: VU049442.D  
Acq: 28 Jun 2022 07:23

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 5681   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 187.4 | 27.8  | 41.8#  |
| 84       | 182.3 | 74.2  | 111.4# |





#33

1,2-Dichloroethane-d4

Concen: 43.622 ug/l

RT: 5.700 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU049442.D

Acq: 28 Jun 2022 07:23

Instrument :

MSVOA\_U

ClientSampleId :

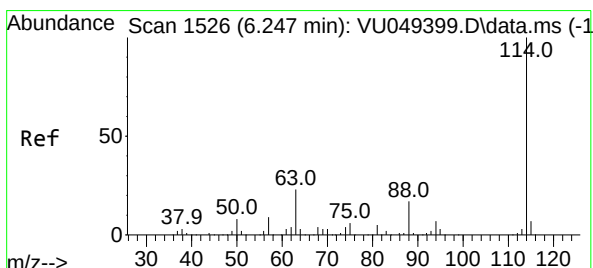
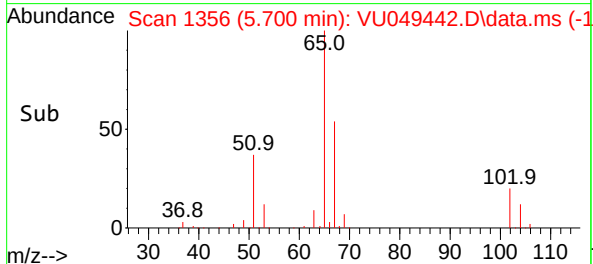
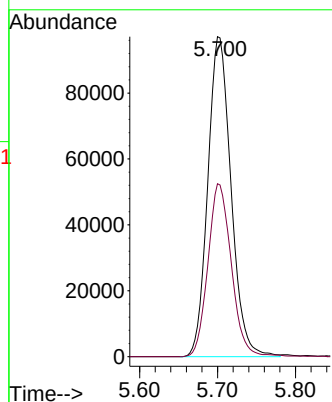
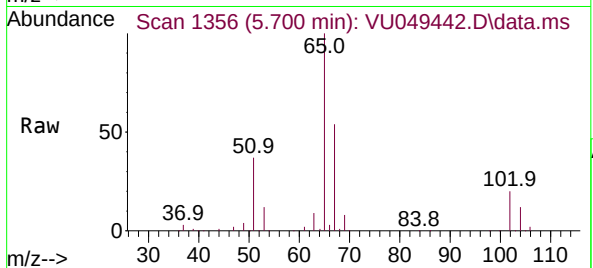
MW-40D

Tgt Ion: 65 Resp: 201346

Ion Ratio Lower Upper

65 100

67 54.5 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: VU049442.D

Acq: 28 Jun 2022 07:23

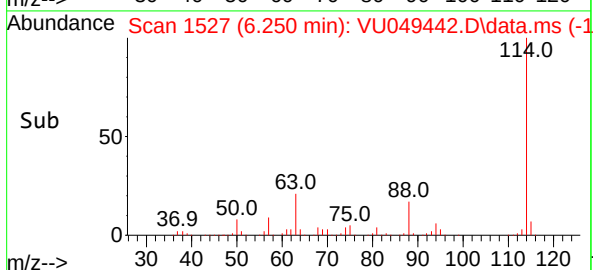
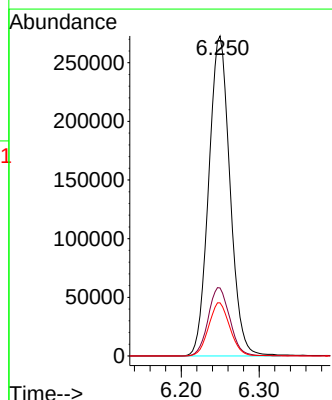
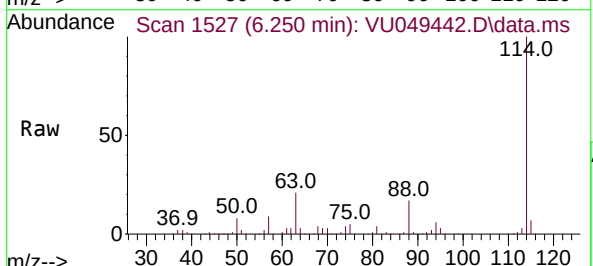
Tgt Ion: 114 Resp: 516495

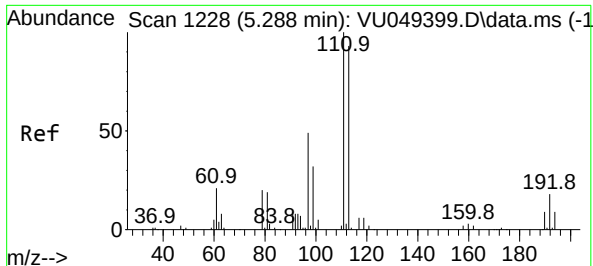
Ion Ratio Lower Upper

114 100

63 21.3 0.0 37.8

88 16.6 0.0 29.2





#35

Dibromofluoromethane

Concen: 45.682 ug/l

RT: 5.292 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU049442.D

Acq: 28 Jun 2022 07:23

Instrument :

MSVOA\_U

ClientSampleId :

MW-40D

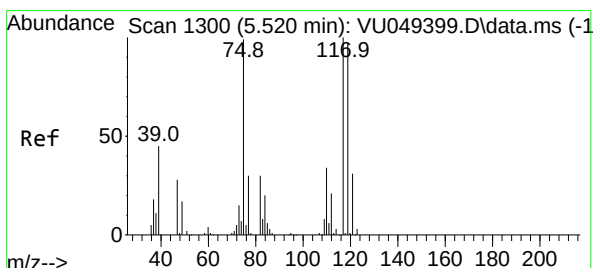
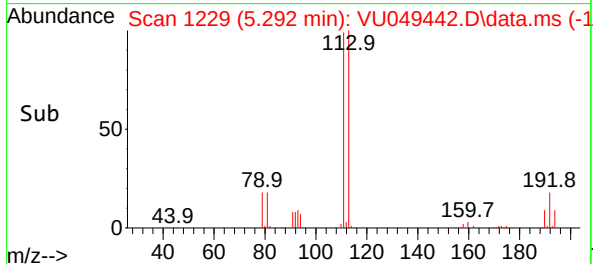
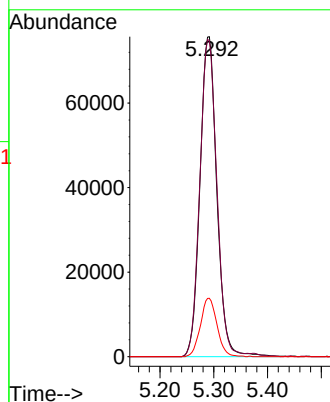
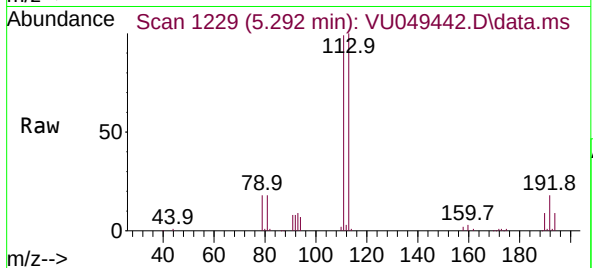
Tgt Ion:113 Resp: 165074

Ion Ratio Lower Upper

113 100

111 99.6 82.1 123.1

192 18.0 18.0 27.0#



#36

1,1-Dichloropropene

Concen: 4.712 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.148 min

Lab File: VU049442.D

Acq: 28 Jun 2022 07:23

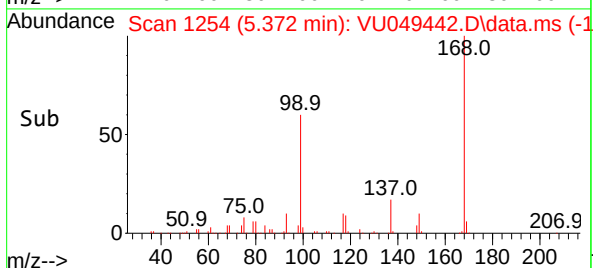
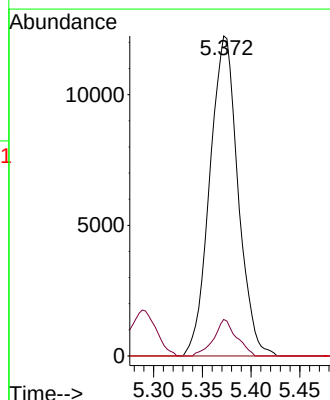
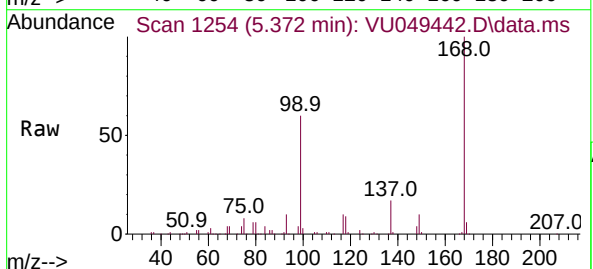
Tgt Ion: 75 Resp: 24689

Ion Ratio Lower Upper

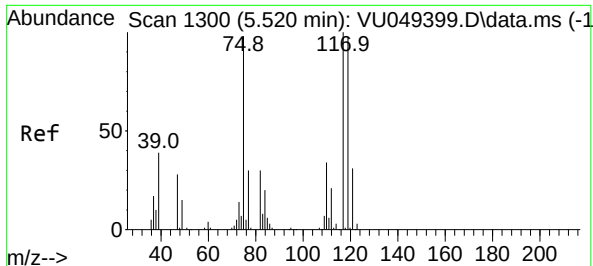
75 100

110 9.2 18.4 55.2#

77 0.0 25.1 37.7#



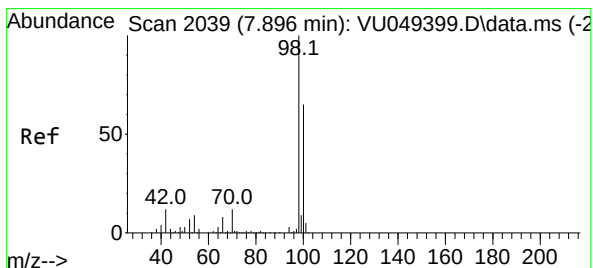
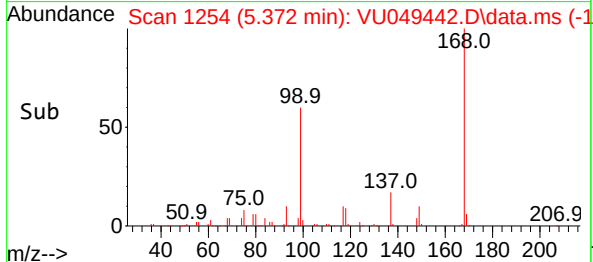
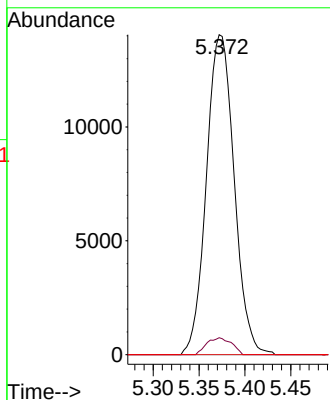
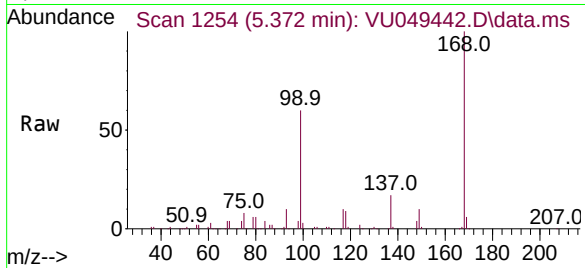




#38  
Carbon Tetrachloride  
Concen: 5.389 ug/l  
RT: 5.372 min Scan# 117  
Delta R.T. -0.148 min  
Lab File: VU049442.D  
Acq: 28 Jun 2022 07:23

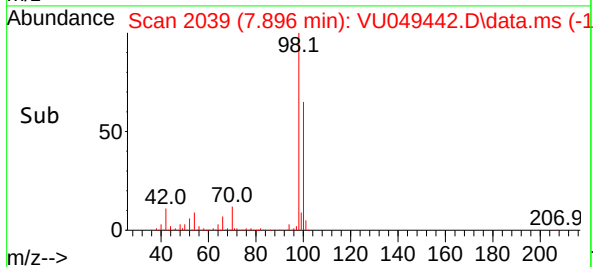
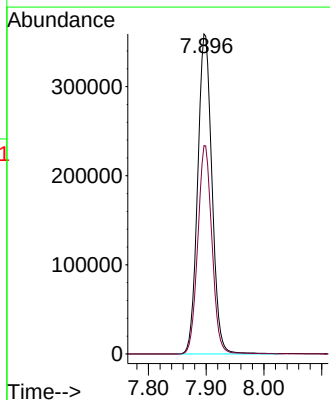
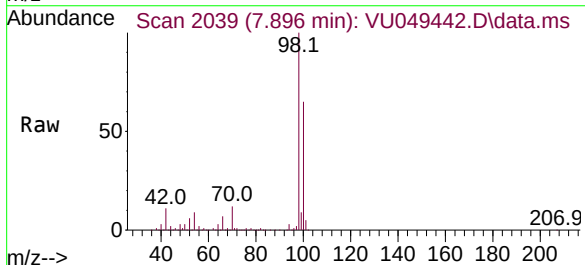
Instrument :  
MSVOA\_U  
ClientSampleId :  
MW-40D

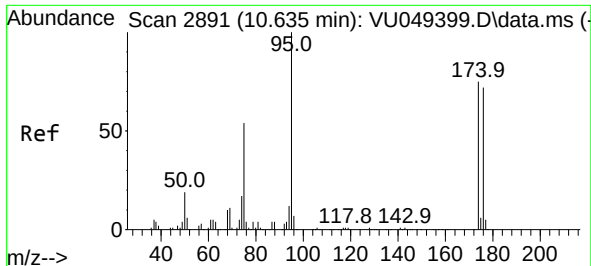
Tgt Ion:117 Resp: 29614  
Ion Ratio Lower Upper  
117 100  
119 5.3 76.8 115.2#  
121 0.0 24.7 37.1#



#50  
Toluene-d8  
Concen: 47.902 ug/l  
RT: 7.896 min Scan# 2039  
Delta R.T. -0.000 min  
Lab File: VU049442.D  
Acq: 28 Jun 2022 07:23

Tgt Ion: 98 Resp: 617384  
Ion Ratio Lower Upper  
98 100  
100 64.6 51.7 77.5

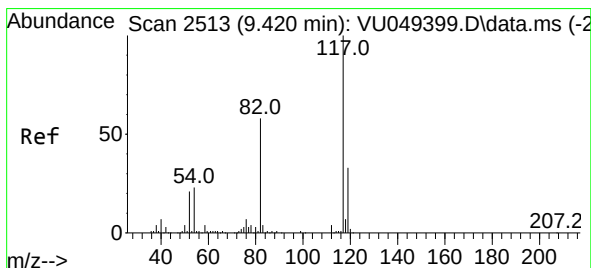
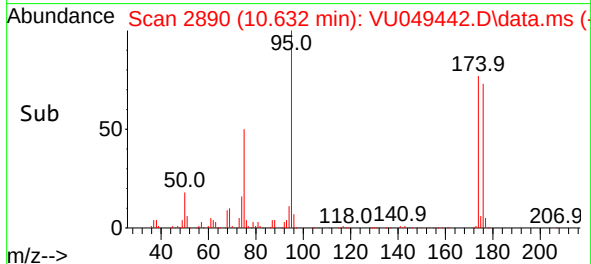
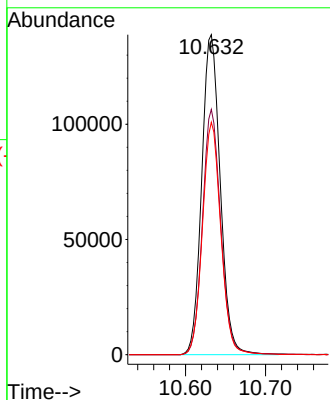
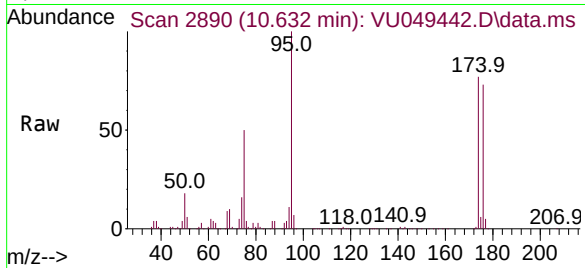




#62  
4-Bromofluorobenzene  
Concen: 45.447 ug/l  
RT: 10.632 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU049442.D  
Acq: 28 Jun 2022 07:23

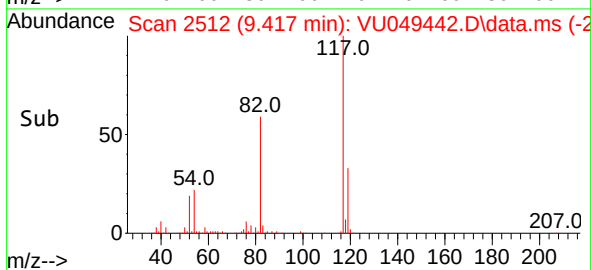
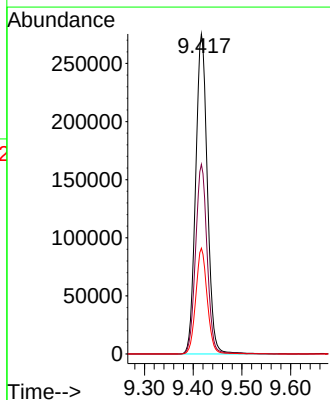
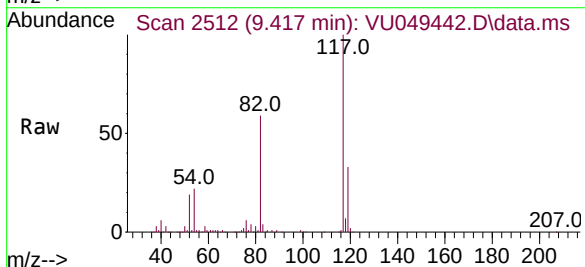
Instrument :  
MSVOA\_U  
ClientSampleId :  
MW-40D

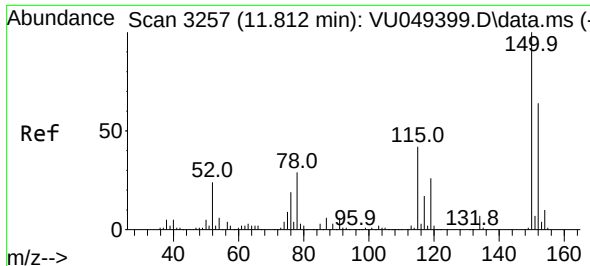
Tgt Ion: 95 Resp: 224380  
Ion Ratio Lower Upper  
95 100  
174 75.6 0.0 182.0  
176 72.0 0.0 177.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.417 min Scan# 2512  
Delta R.T. -0.003 min  
Lab File: VU049442.D  
Acq: 28 Jun 2022 07:23

Tgt Ion: 117 Resp: 459991  
Ion Ratio Lower Upper  
117 100  
82 59.3 41.7 62.5  
119 33.0 25.7 38.5

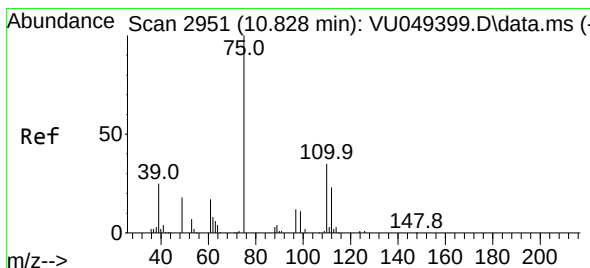
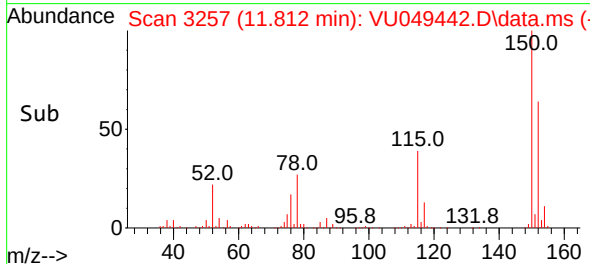
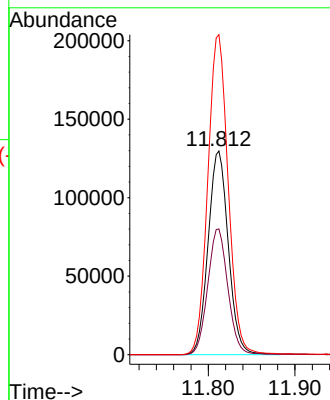
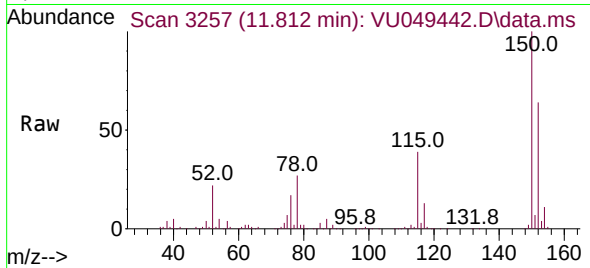




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 11.812 min Scan# 31  
 Delta R.T. -0.000 min  
 Lab File: VU049442.D  
 Acq: 28 Jun 2022 07:23

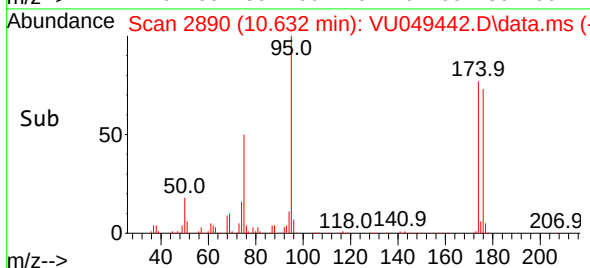
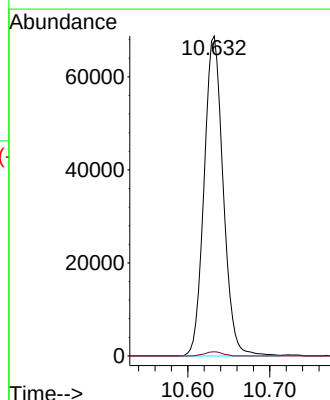
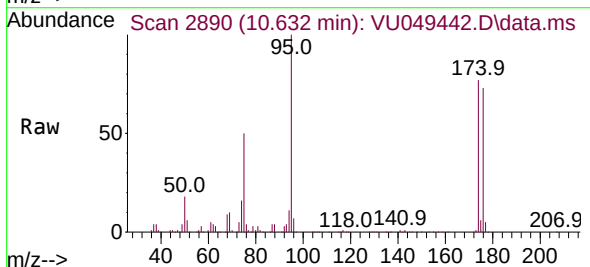
Instrument :  
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 ClientSampleId :  
 MW-40D

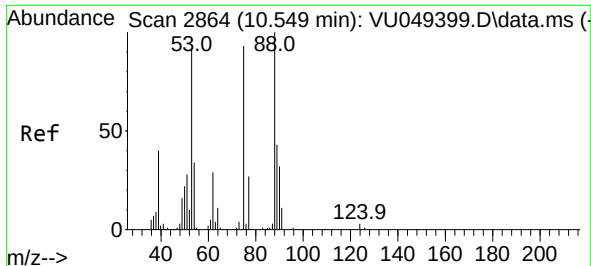
Tgt Ion:152 Resp: 210140  
 Ion Ratio Lower Upper  
 152 100  
 115 61.5 37.0 110.9  
 150 158.1 0.0 342.2



#76  
 1,2,3-Trichloropropane  
 Concen: 15.624 ug/l  
 RT: 10.632 min Scan# 2890  
 Delta R.T. -0.196 min  
 Lab File: VU049442.D  
 Acq: 28 Jun 2022 07:23

Tgt Ion: 75 Resp: 111298  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 15.8 47.3#

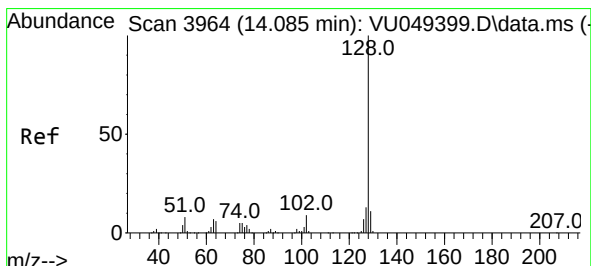
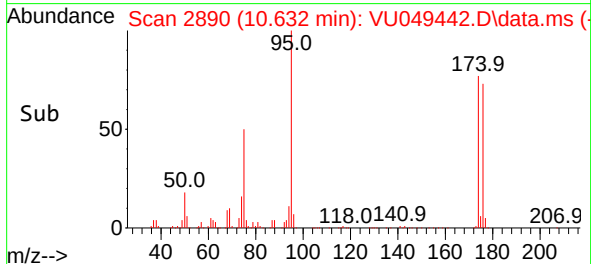
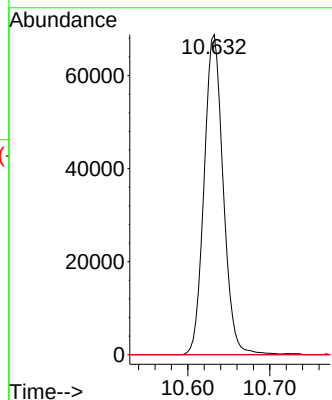
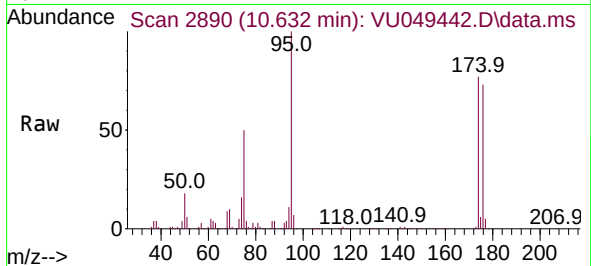




#81  
trans-1,4-Dichloro-2-butene  
Concen: 57.697 ug/l  
RT: 10.632 min Scan# 21  
Delta R.T. 0.084 min  
Lab File: VU049442.D  
Acq: 28 Jun 2022 07:23

Instrument :  
MSVOA\_U  
ClientSampleId :  
MW-40D

Tgt Ion: 75 Resp: 111298  
Ion Ratio Lower Upper  
75 100  
53 0.0 69.2 103.8#  
89 0.0 37.0 55.6#



#95  
Naphthalene  
Concen: 1.766 ug/l  
RT: 14.118 min Scan# 3974  
Delta R.T. 0.032 min  
Lab File: VU049442.D  
Acq: 28 Jun 2022 07:23

Tgt Ion: 128 Resp: 513  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.3 15.5#  
129 0.0 8.6 13.0#

