

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU062722\  
 Data File : VU049433.D  
 Acq On : 28 Jun 2022 03:51  
 Operator : SY/MD  
 Sample : N3386-11  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DUP01-20220615

Quant Time: Jun 28 07:14:47 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

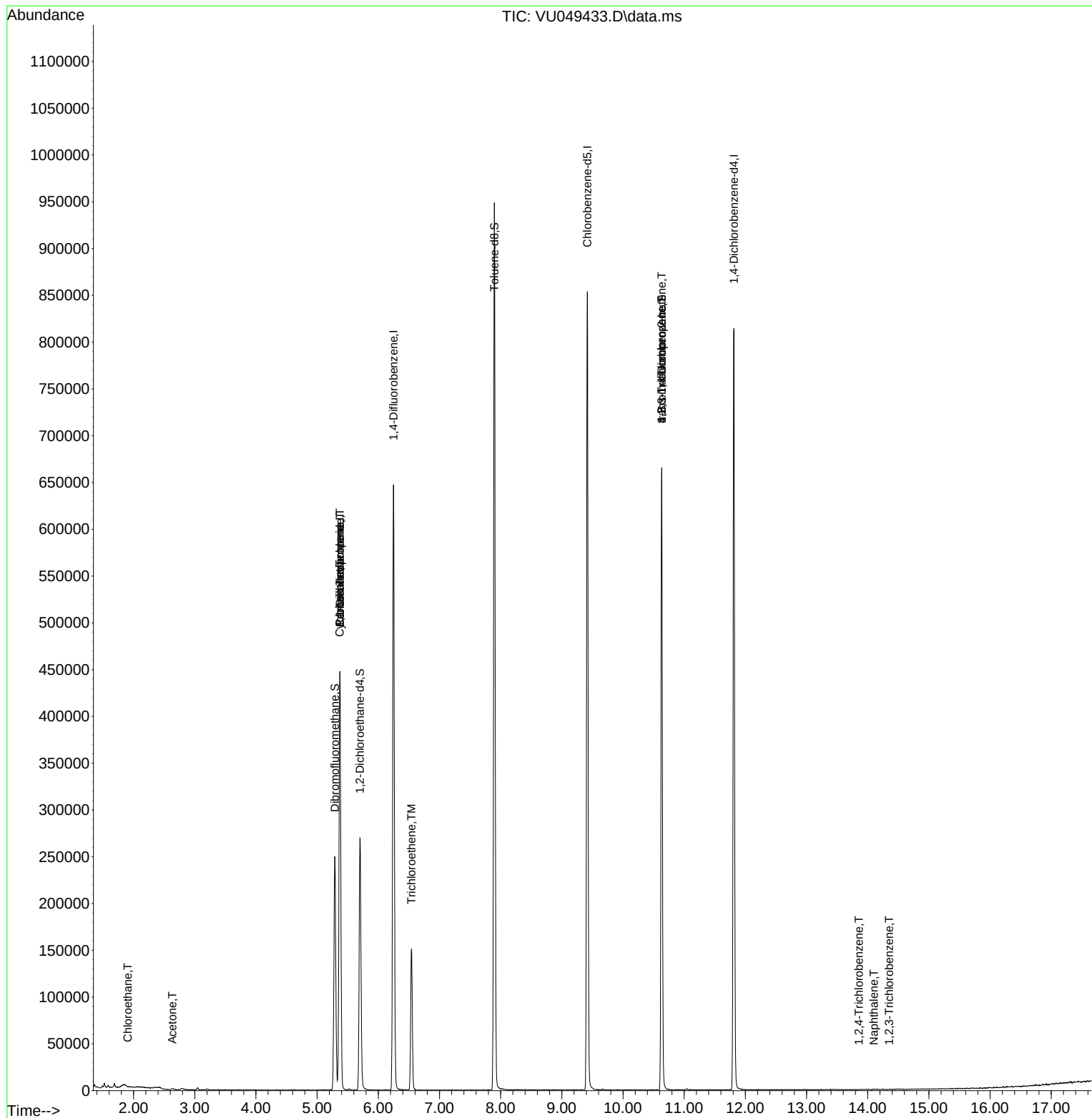
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.372  | 168   | 307006   | 50.000    | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene       | 6.250  | 114   | 525074   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 9.417  | 117   | 471582   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 11.812 | 152   | 218805   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.700  | 65    | 202264   | 42.779    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery  | =      | 85.560%  |
| 35) Dibromofluoromethane      | 5.289  | 113   | 162583   | 44.258    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 88.520%  |
| 50) Toluene-d8                | 7.896  | 98    | 628548   | 47.971    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery  | =      | 95.940%  |
| 62) 4-Bromofluorobenzene      | 10.632 | 95    | 227327   | 45.292    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 90.580%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           |        | Qvalue   |
| 3) Chloromethane              | 1.520  | 50    | 3546     | Below Cal |        | 97       |
| 6) Chloroethane               | 1.903  | 64    | 55       | 1.938     | ug/l # | 44       |
| 16) Acetone                   | 2.636  | 43    | 1409     | 0.591     | ug/l   | 91       |
| 20) Methylene Chloride        | 3.051  | 84    | 906      | Below Cal | #      | 88       |
| 31) Cyclohexane               | 5.369  | 56    | 6441     | 0.907     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.372  | 75    | 24778    | 4.652     | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 5.372  | 117   | 31124    | 5.572     | ug/l # | 16       |
| 44) Trichloroethene           | 6.543  | 130   | 51712    | 13.527    | ug/l   | 85       |
| 76) 1,2,3-Trichloropropane    | 10.632 | 75    | 114422   | 15.426    | ug/l # | 45       |
| 81) trans-1,4-Dichloro-2-b... | 10.632 | 75    | 114422   | 56.968    | ug/l # | 15       |
| 93) 1,2,4-Trichlorobenzene    | 13.857 | 180   | 95       | 1.773     | ug/l # | 12       |
| 95) Naphthalene               | 14.102 | 128   | 734      | 1.777     | ug/l # | 69       |
| 96) 1,2,3-Trichlorobenzene    | 14.349 | 180   | 48       | 1.186     | ug/l # | 12       |
| -----                         |        |       |          |           |        |          |

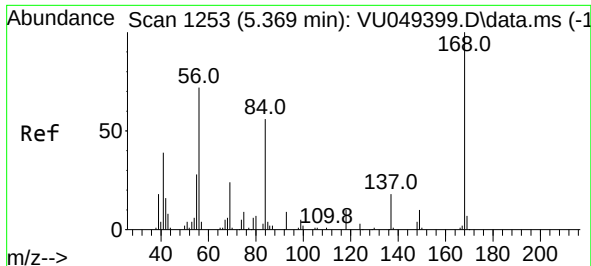
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU062722\  
Data File : VU049433.D  
Acq On : 28 Jun 2022 03:51  
Operator : SY/MD  
Sample : N3386-11  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 40 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DUP01-20220615

Quant Time: Jun 28 07:14:47 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

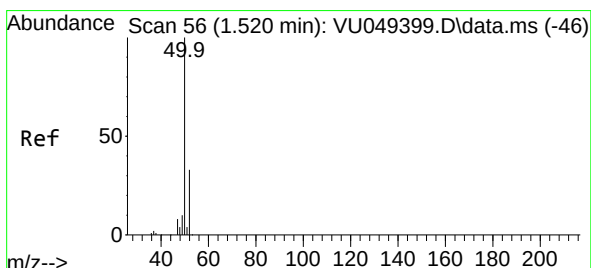
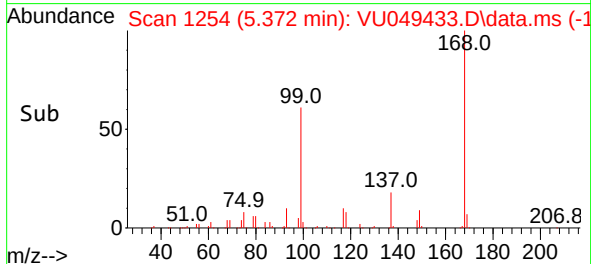
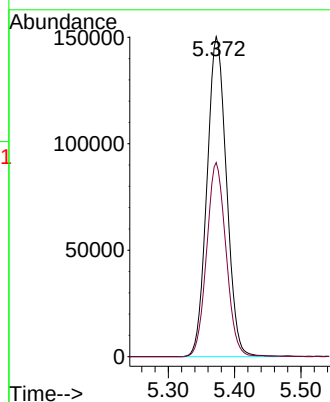
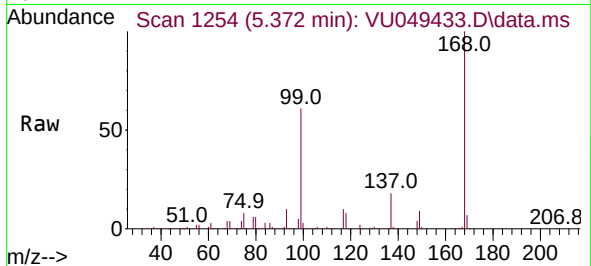




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.372 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VU049433.D  
Acq: 28 Jun 2022 03:51

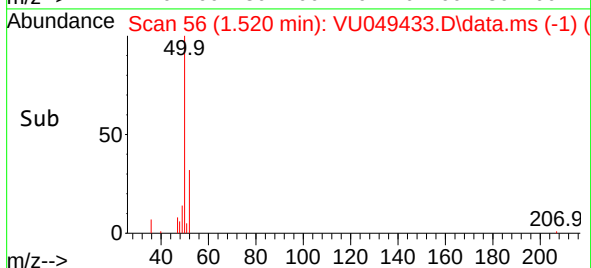
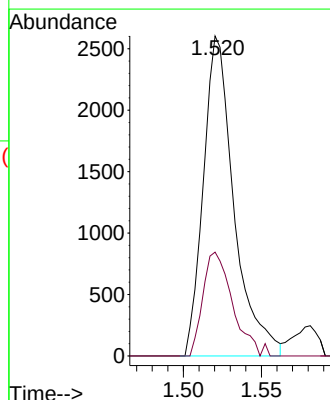
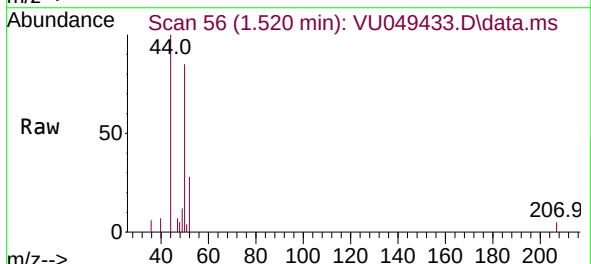
Instrument :  
MSVOA\_U  
ClientSampleId :  
DUP01-20220615

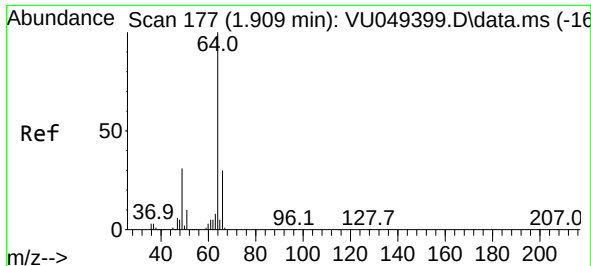
Tgt Ion:168 Resp: 307006  
Ion Ratio Lower Upper  
168 100  
99 60.7 39.3 58.9#



#3  
Chloromethane  
Concen: Below Cal  
RT: 1.520 min Scan# 56  
Delta R.T. 0.000 min  
Lab File: VU049433.D  
Acq: 28 Jun 2022 03:51

Tgt Ion: 50 Resp: 3546  
Ion Ratio Lower Upper  
50 100  
52 32.5 27.4 41.2

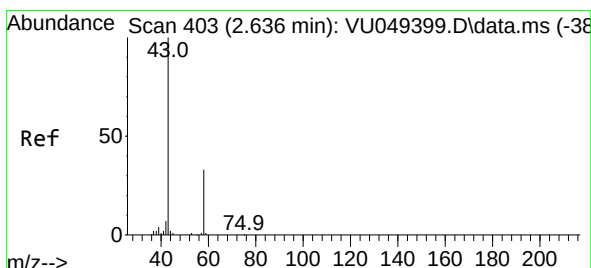
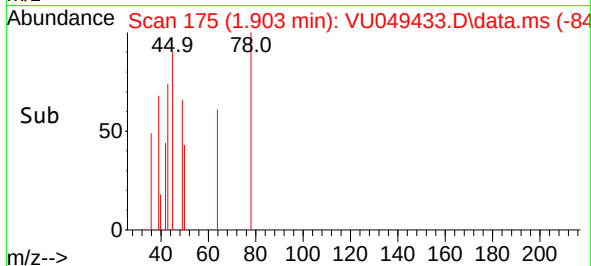
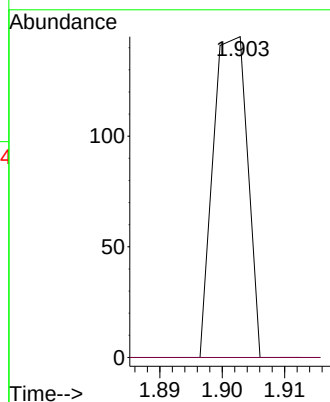
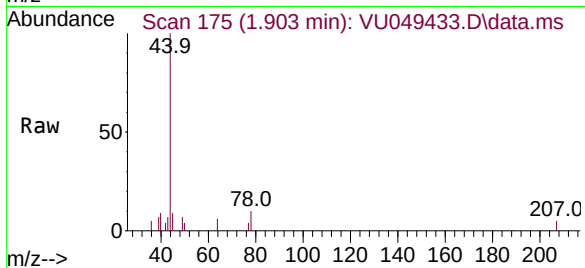




#6  
Chloroethane  
Concen: 1.938 ug/l  
RT: 1.903 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VU049433.D  
Acq: 28 Jun 2022 03:51

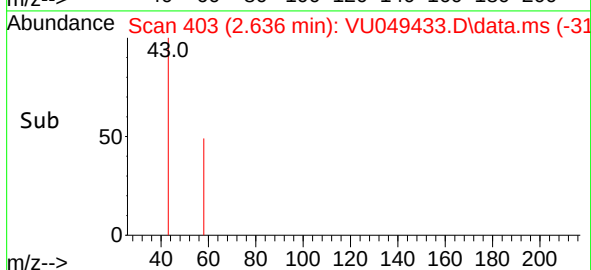
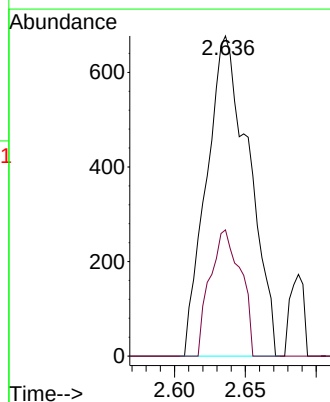
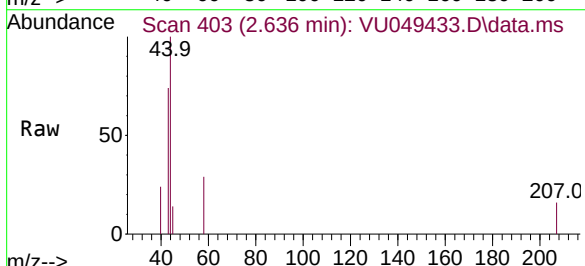
Instrument :  
MSVOA\_U  
ClientSampleId :  
DUP01-20220615

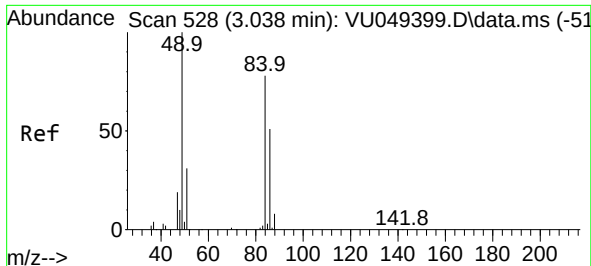
Tgt Ion: 64 Resp: 55  
Ion Ratio Lower Upper  
64 100  
66 0.0 24.7 37.1#



#16  
Acetone  
Concen: 0.591 ug/l  
RT: 2.636 min Scan# 403  
Delta R.T. 0.000 min  
Lab File: VU049433.D  
Acq: 28 Jun 2022 03:51

Tgt Ion: 43 Resp: 1409  
Ion Ratio Lower Upper  
43 100  
58 39.4 27.5 41.3

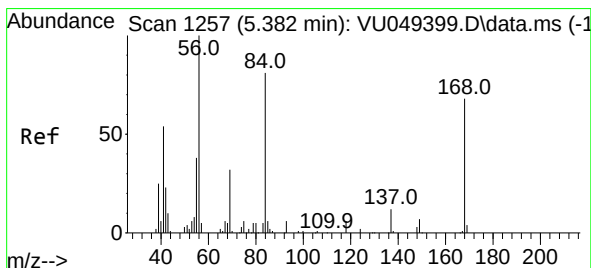
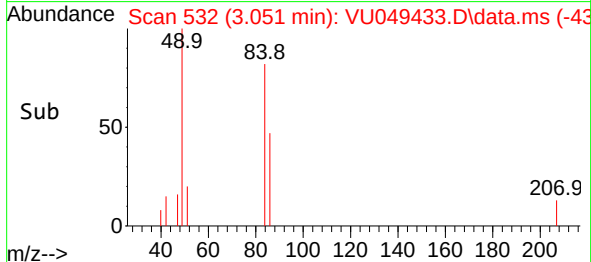
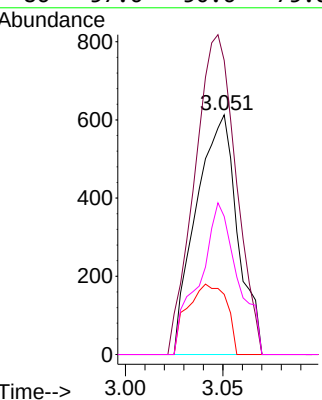
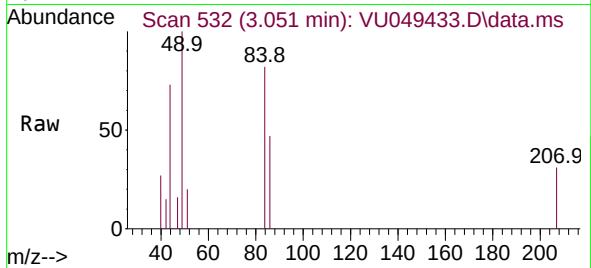




#20  
Methylene Chloride  
Concen: Below Cal  
RT: 3.051 min Scan# 51  
Delta R.T. 0.013 min  
Lab File: VU049433.D  
Acq: 28 Jun 2022 03:51

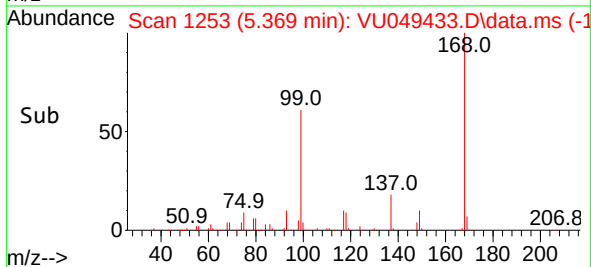
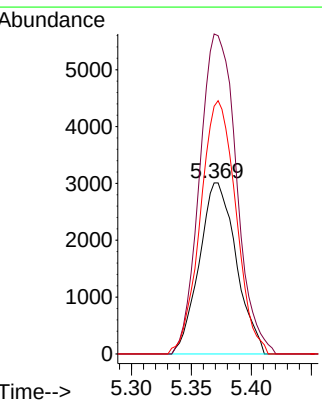
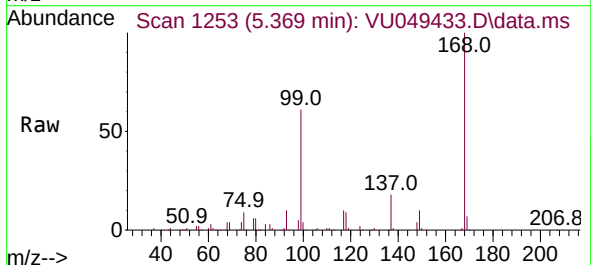
Instrument :  
MSVOA\_U  
ClientSampleId :  
DUP01-20220615

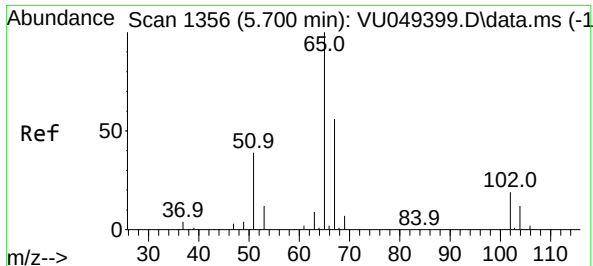
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 906   |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 122.7 | 86.6  | 129.8 |
| 51       | 25.1  | 26.6  | 40.0# |
| 86       | 57.6  | 50.6  | 75.8  |



#31  
Cyclohexane  
Concen: 0.907 ug/l  
RT: 5.369 min Scan# 1253  
Delta R.T. -0.013 min  
Lab File: VU049433.D  
Acq: 28 Jun 2022 03:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 6441   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 187.0 | 27.8  | 41.8#  |
| 84       | 144.8 | 74.2  | 111.4# |





#33

1,2-Dichloroethane-d4

Concen: 42.779 ug/l

RT: 5.700 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU049433.D

Acq: 28 Jun 2022 03:51

Instrument :

MSVOA\_U

ClientSampleId :

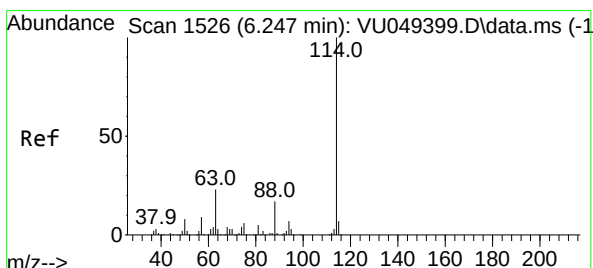
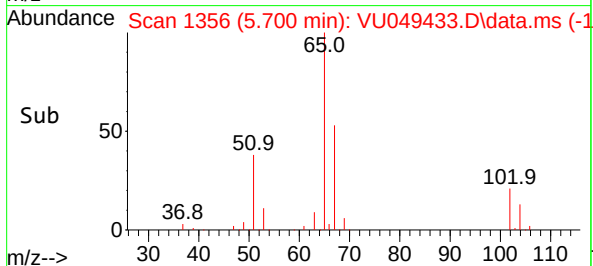
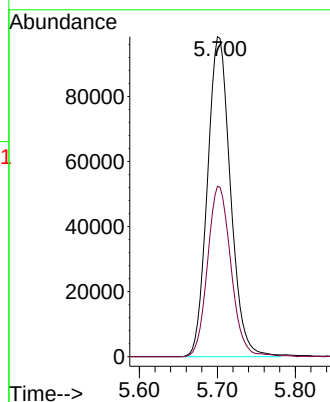
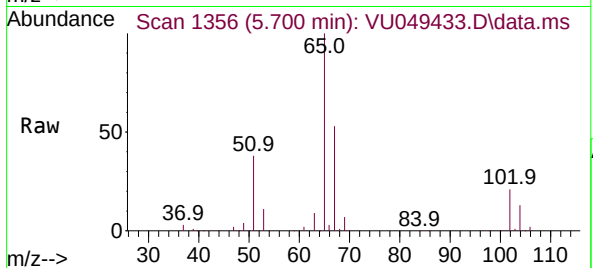
DUP01-20220615

Tgt Ion: 65 Resp: 202264

Ion Ratio Lower Upper

65 100

67 54.1 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: VU049433.D

Acq: 28 Jun 2022 03:51

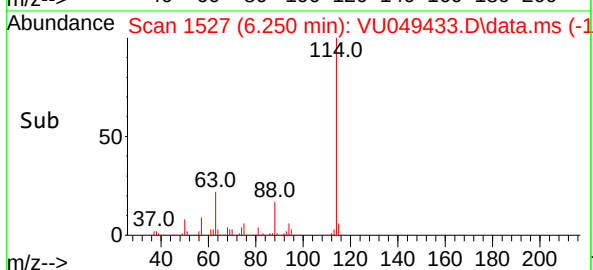
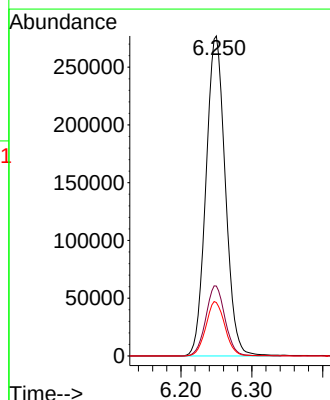
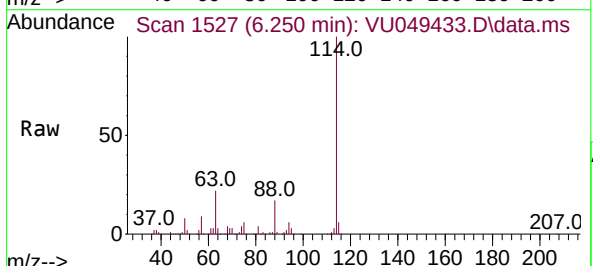
Tgt Ion: 114 Resp: 525074

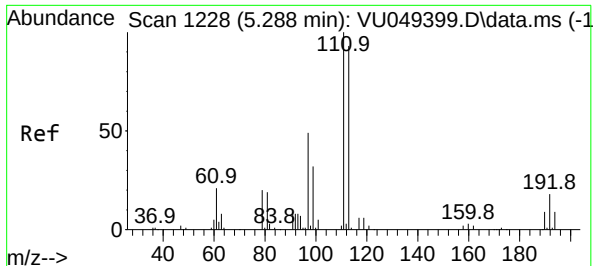
Ion Ratio Lower Upper

114 100

63 21.9 0.0 37.8

88 16.7 0.0 29.2





#35

Dibromofluoromethane

Concen: 44.258 ug/l

RT: 5.289 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU049433.D

Acq: 28 Jun 2022 03:51

Instrument :

MSVOA\_U

ClientSampleId :

DUP01-20220615

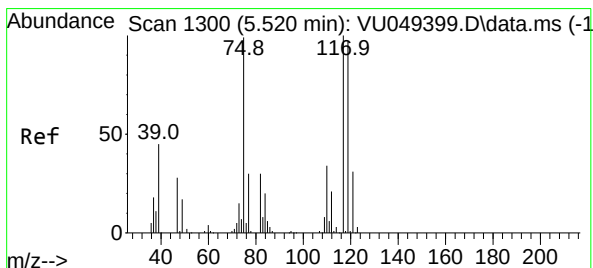
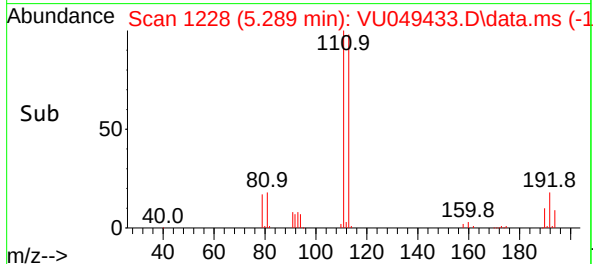
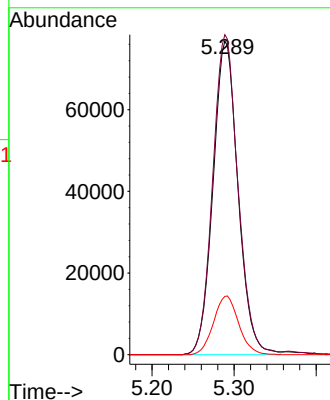
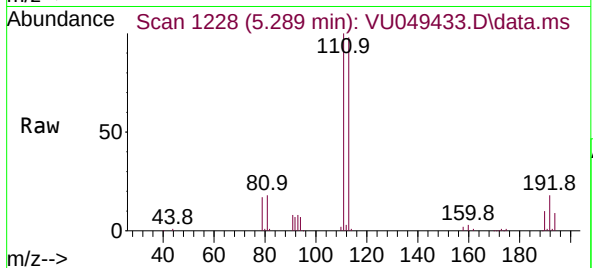
Tgt Ion:113 Resp: 162583

Ion Ratio Lower Upper

113 100

111 103.3 82.1 123.1

192 18.8 18.0 27.0



#36

1,1-Dichloropropene

Concen: 4.652 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.148 min

Lab File: VU049433.D

Acq: 28 Jun 2022 03:51

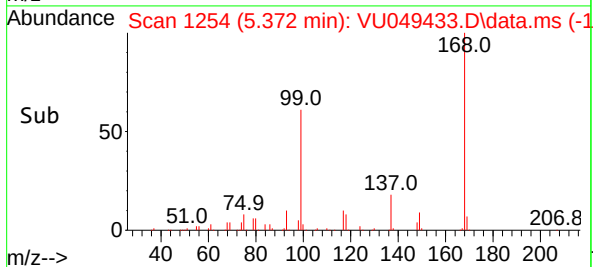
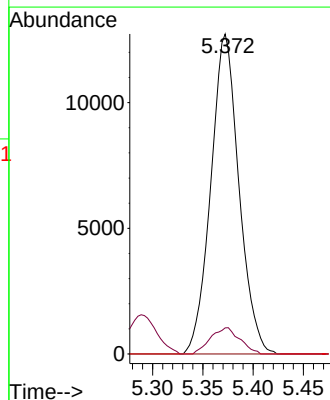
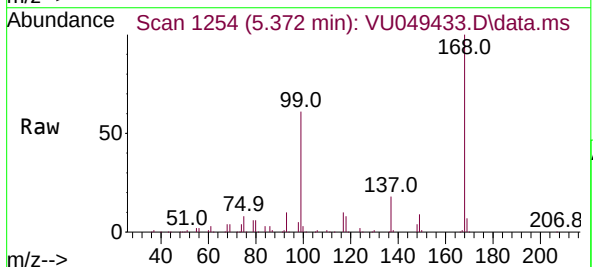
Tgt Ion: 75 Resp: 24778

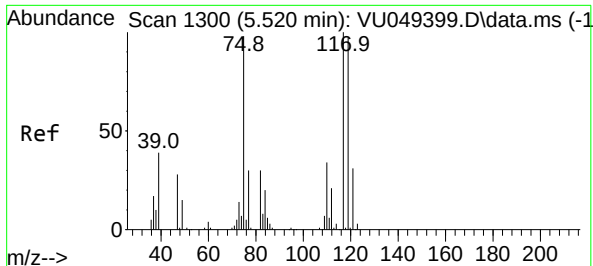
Ion Ratio Lower Upper

75 100

110 8.5 18.4 55.2#

77 0.0 25.1 37.7#

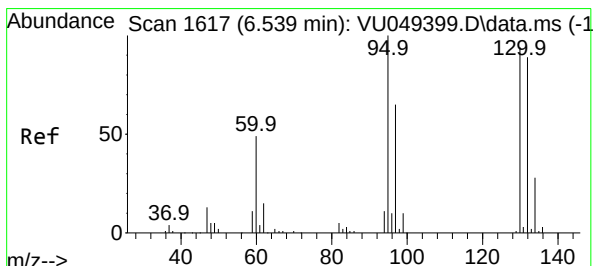
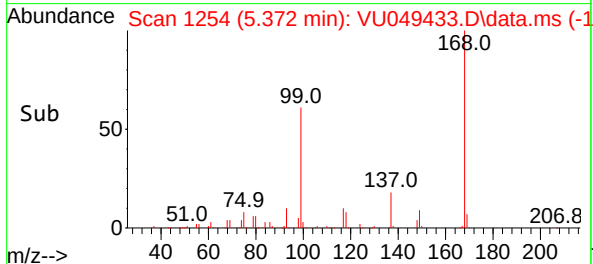
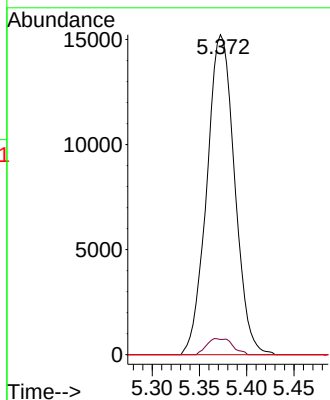
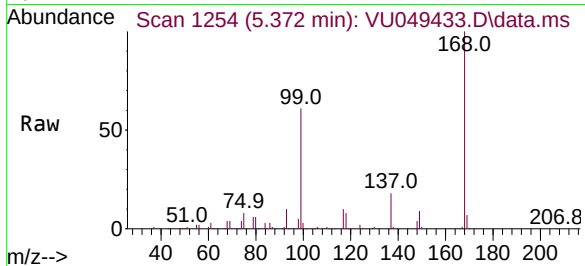




#38  
Carbon Tetrachloride  
Concen: 5.572 ug/l  
RT: 5.372 min Scan# 117  
Delta R.T. -0.148 min  
Lab File: VU049433.D  
Acq: 28 Jun 2022 03:51

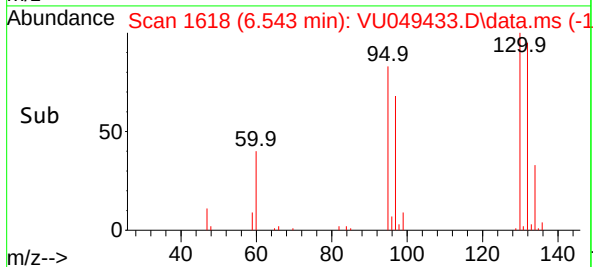
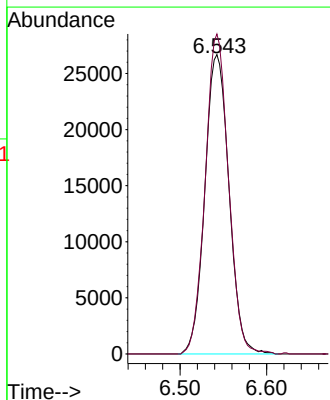
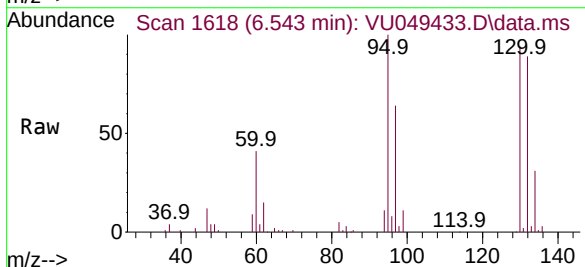
Instrument :  
MSVOA\_U  
ClientSampleId :  
DUP01-20220615

Tgt Ion:117 Resp: 31124  
Ion Ratio Lower Upper  
117 100  
119 4.7 76.8 115.2#  
121 0.0 24.7 37.1#

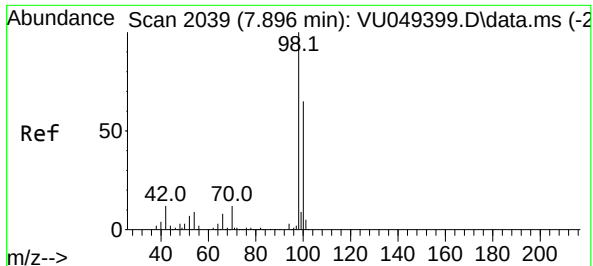


#44  
Trichloroethene  
Concen: 13.527 ug/l  
RT: 6.543 min Scan# 1618  
Delta R.T. 0.003 min  
Lab File: VU049433.D  
Acq: 28 Jun 2022 03:51

Tgt Ion:130 Resp: 51712  
Ion Ratio Lower Upper  
130 100  
95 106.9 0.0 184.6



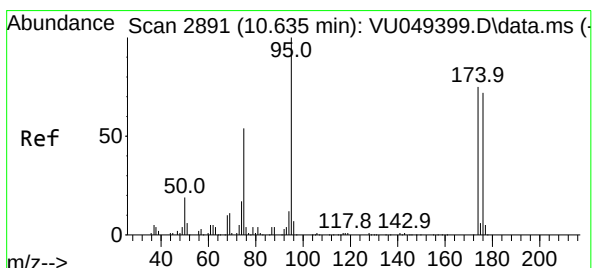
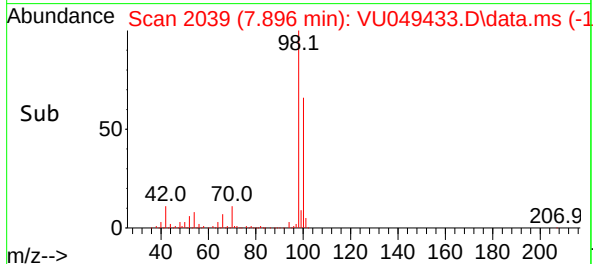
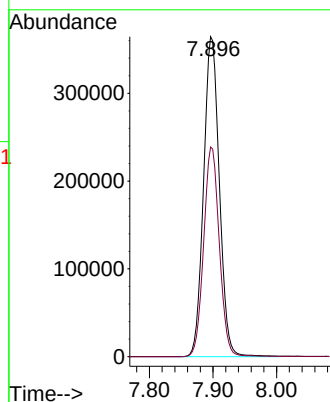
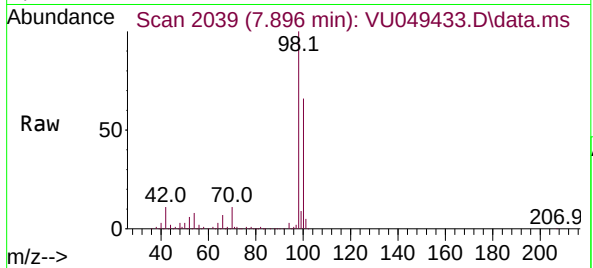




#50  
Toluene-d8  
Concen: 47.971 ug/l  
RT: 7.896 min Scan# 2039  
Delta R.T. 0.000 min  
Lab File: VU049433.D  
Acq: 28 Jun 2022 03:51

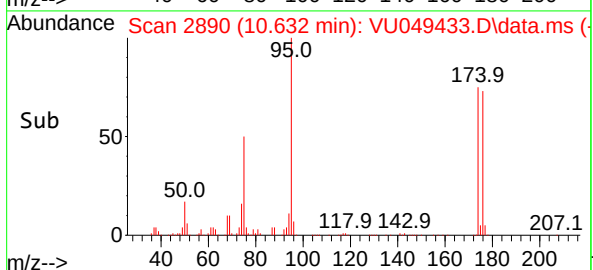
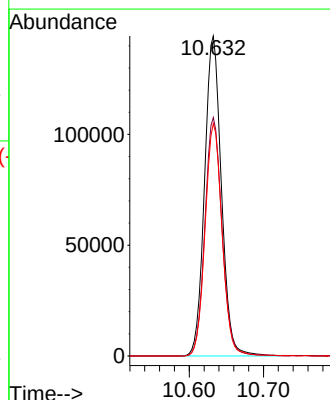
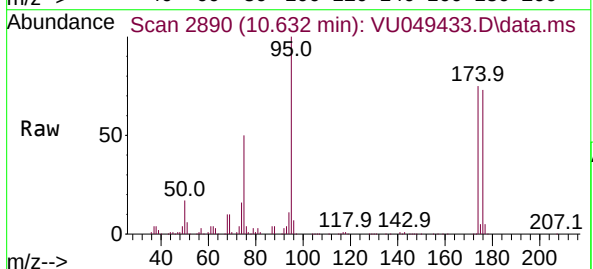
Instrument :  
MSVOA\_U  
ClientSampleId :  
DUP01-20220615

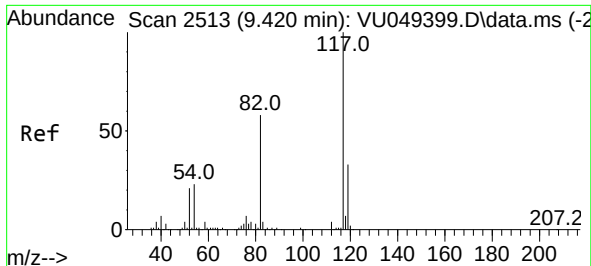
Tgt Ion: 98 Resp: 628548  
Ion Ratio Lower Upper  
98 100  
100 65.0 51.7 77.5



#62  
4-Bromofluorobenzene  
Concen: 45.292 ug/l  
RT: 10.632 min Scan# 2890  
Delta R.T. -0.003 min  
Lab File: VU049433.D  
Acq: 28 Jun 2022 03:51

Tgt Ion: 95 Resp: 227327  
Ion Ratio Lower Upper  
95 100  
174 76.0 0.0 182.0  
176 73.4 0.0 177.8

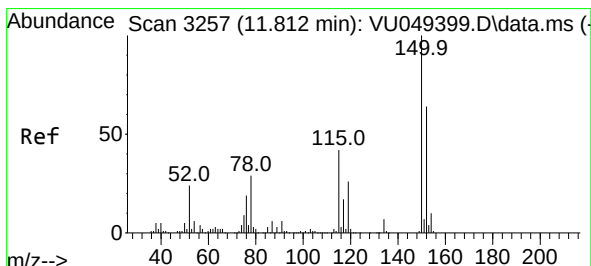
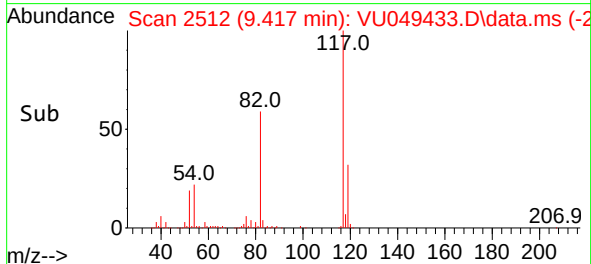
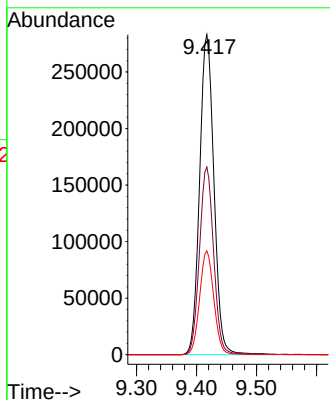
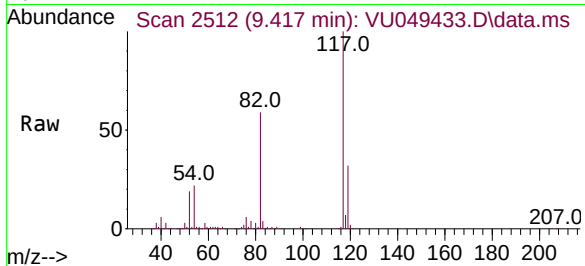




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.417 min Scan# 2512  
Delta R.T. -0.003 min  
Lab File: VU049433.D  
Acq: 28 Jun 2022 03:51

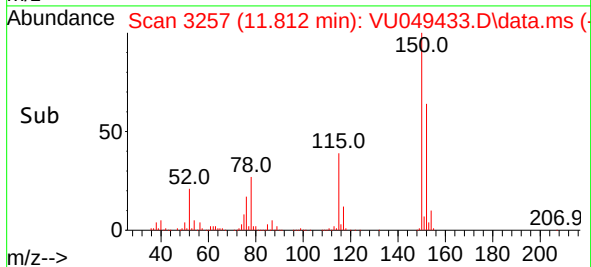
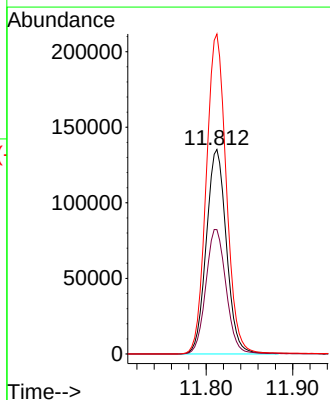
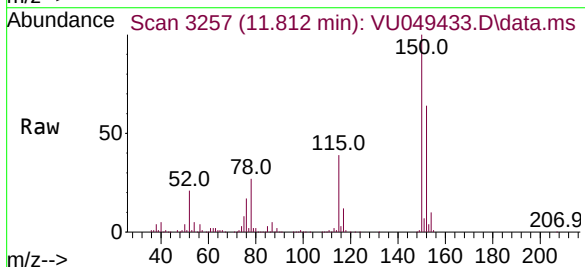
Instrument :  
MSVOA\_U  
ClientSampleId :  
DUP01-20220615

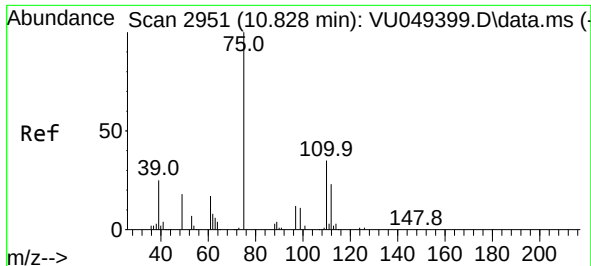
Tgt Ion:117 Resp: 471582  
Ion Ratio Lower Upper  
117 100  
82 58.6 41.7 62.5  
119 32.4 25.7 38.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.812 min Scan# 3257  
Delta R.T. 0.000 min  
Lab File: VU049433.D  
Acq: 28 Jun 2022 03:51

Tgt Ion:152 Resp: 218805  
Ion Ratio Lower Upper  
152 100  
115 61.2 37.0 110.9  
150 156.0 0.0 342.2

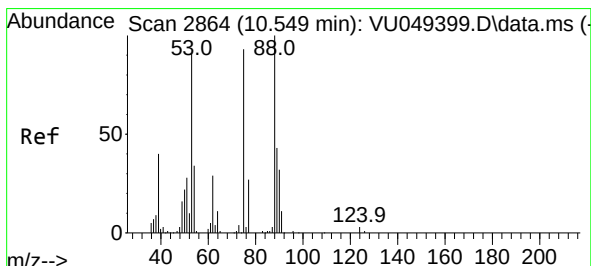
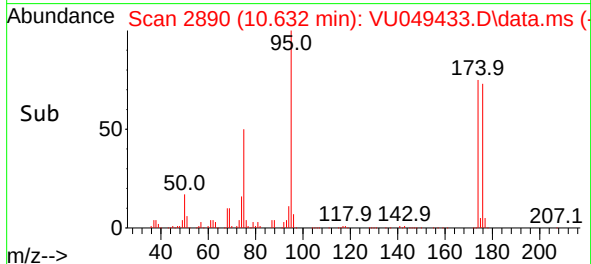
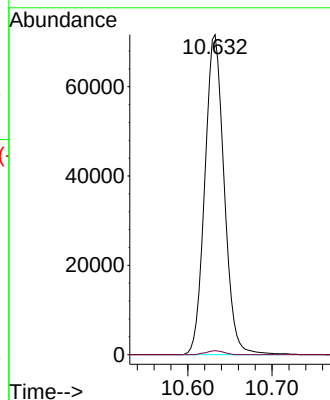
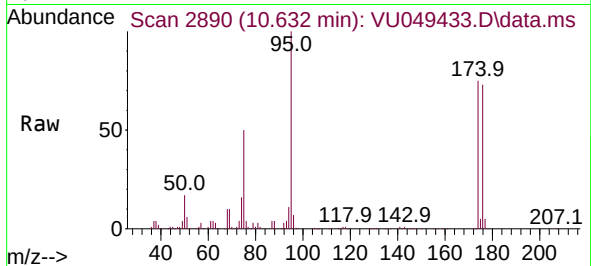




#76  
1,2,3-Trichloropropane  
Concen: 15.426 ug/l  
RT: 10.632 min Scan# 2890  
Delta R.T. -0.196 min  
Lab File: VU049433.D  
Acq: 28 Jun 2022 03:51

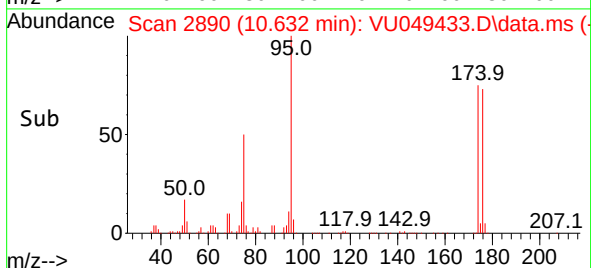
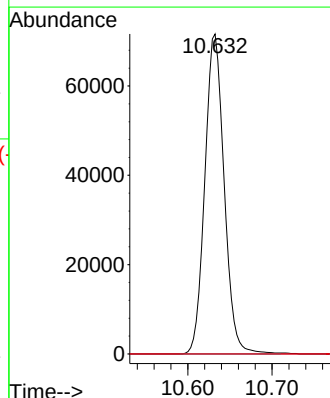
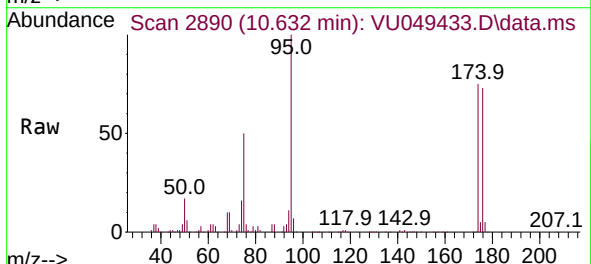
Instrument :  
MSVOA\_U  
ClientSampleId :  
DUP01-20220615

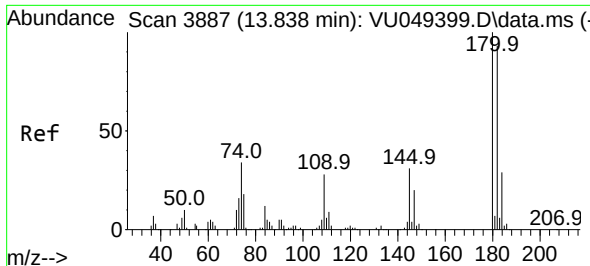
Tgt Ion: 75 Resp: 114422  
Ion Ratio Lower Upper  
75 100  
77 1.1 15.8 47.3#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 56.968 ug/l  
RT: 10.632 min Scan# 2890  
Delta R.T. 0.084 min  
Lab File: VU049433.D  
Acq: 28 Jun 2022 03:51

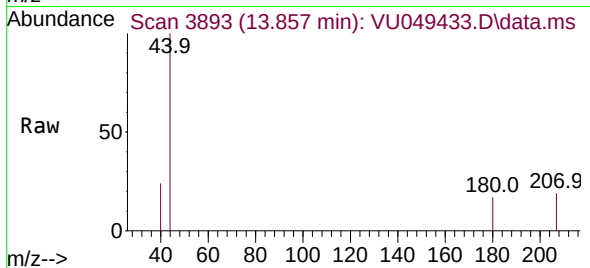
Tgt Ion: 75 Resp: 114422  
Ion Ratio Lower Upper  
75 100  
53 0.0 69.2 103.8#  
89 0.0 37.0 55.6#



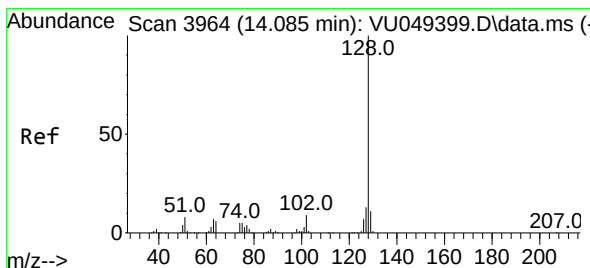
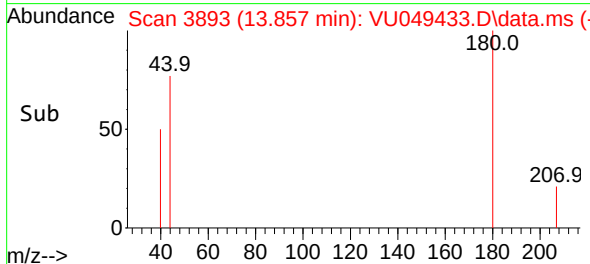
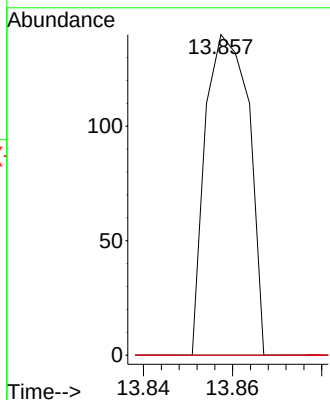


#93  
1,2,4-Trichlorobenzene  
Concen: 1.773 ug/l  
RT: 13.857 min Scan# 3893  
Delta R.T. 0.019 min  
Lab File: VU049433.D  
Acq: 28 Jun 2022 03:51

Instrument :  
MSVOA\_U  
ClientSampleId :  
DUP01-20220615

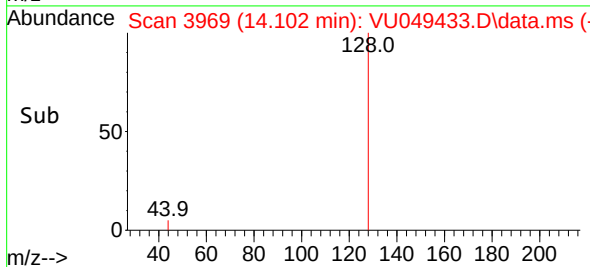
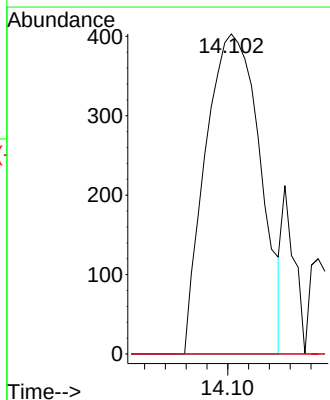
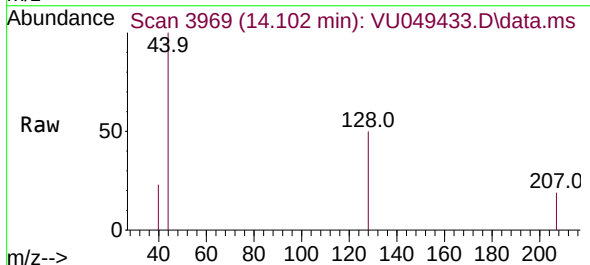


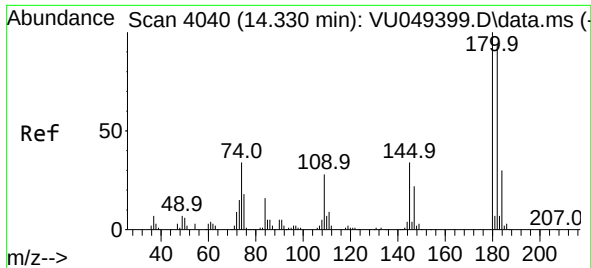
Tgt Ion:180 Resp: 95  
Ion Ratio Lower Upper  
180 100  
182 0.0 47.9 143.6#  
145 0.0 14.0 41.9#



#95  
Naphthalene  
Concen: 1.777 ug/l  
RT: 14.102 min Scan# 3969  
Delta R.T. 0.016 min  
Lab File: VU049433.D  
Acq: 28 Jun 2022 03:51

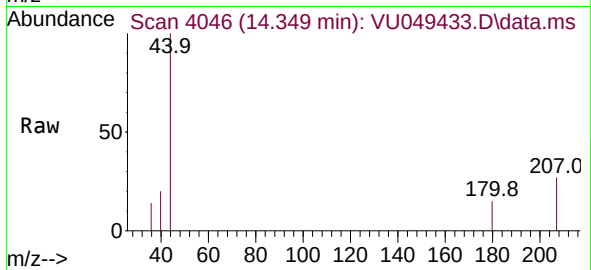
Tgt Ion:128 Resp: 734  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.3 15.5#  
129 0.0 8.6 13.0#





#96  
 1,2,3-Trichlorobenzene  
 Concen: 1.186 ug/l  
 RT: 14.349 min Scan# 40  
 Delta R.T. 0.019 min  
 Lab File: VU049433.D  
 Acq: 28 Jun 2022 03:51

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DUP01-20220615



Tgt Ion:180 Resp: 48  
 Ion Ratio Lower Upper  
 180 100  
 182 0.0 48.4 145.0#  
 145 0.0 14.8 44.4#

