

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU030922\  
 Data File : VU047415.D  
 Acq On : 09 Mar 2022 19:32  
 Operator : SY/MD  
 Sample : N1840-06  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Mar 10 01:07:05 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR030922WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Mar 10 00:51:00 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.295  | 114   | 172206   | 5.000    | ug/L   | 0.04     |
| 28) Chlorobenzene-d5          | 9.427  | 117   | 161733   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.816 | 152   | 86461    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.617  | 65    | 48681    | 5.212    | ug/L   | 0.01     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 104.200% |
| 7) Chloroethane-d5            | 1.941  | 69    | 36197    | 5.279    | ug/L   | 0.02     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 105.600% |
| 11) 1,1-Dichloroethene-d2     | 2.591  | 65    | 22591    | 5.476    | ug/L   | 0.02     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 109.600% |
| 20) 2-Butanone-d5             | 4.742  | 46    | 97223    | 58.468   | ug/L   | 0.10     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 116.940% |
| 24) Chloroform-d              | 5.096  | 84    | 70662    | 4.749    | ug/L   | 0.03     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 95.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.755  | 65    | 36512    | 4.846    | ug/L   | 0.05     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 97.000%  |
| 32) Benzene-d6                | 5.774  | 84    | 152558   | 5.015    | ug/L   | 0.04     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 100.200% |
| 36) 1,2-Dichloropropane-d6    | 6.732  | 67    | 45403    | 5.045    | ug/L   | 0.04     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 100.800% |
| 41) Toluene-d8                | 7.919  | 98    | 146709   | 4.906    | ug/L   | 0.02     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 98.200%  |
| 43) trans-1,3-Dichloroprop... | 8.198  | 79    | 18243    | 4.774    | ug/L   | 0.02     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 95.400%  |
| 46) 2-Hexanone-d5             | 8.658  | 63    | 90784    | 53.933   | ug/L   | 0.02     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 107.860% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.761 | 84    | 39676    | 5.059    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 101.200% |
| 66) 1,2-Dichlorobenzene-d4    | 12.195 | 152   | 56640    | 5.167    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 103.400% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.600  | 101   | 1141     | 0.111    | ug/L # | 21       |
| 12) 1,1-Dichloroethene        | 2.604  | 96    | 160308   | 15.855   | ug/L   | 87       |
| 15) Methyl Acetate            | 2.797  | 43    | 9494     | 2.352    | ug/L # | 50       |
| 19) 1,1-Dichloroethane        | 3.893  | 63    | 588005   | 31.939   | ug/L   | 98       |
| 22) cis-1,2-Dichloroethene    | 4.684  | 96    | 935      | 0.078    | ug/L   | 89       |
| 25) Chloroform                | 5.121  | 83    | 12223    | 0.613    | ug/L   | 97       |
| 27) 1,2-Dichloroethane        | 5.848  | 62    | 13871    | 1.081    | ug/L   | 99       |
| 29) 1,1,1-Trichloroethane     | 5.350  | 97    | 102828   | 6.154    | ug/L   | 99       |
| 31) Carbon tetrachloride      | 5.350  | 117   | 14160    | 0.965    | ug/L   | 96       |
| 34) Trichloroethene           | 6.581  | 95    | 61234    | 5.244    | ug/L   | 97       |
| 35) Methylcyclohexane         | 6.732  | 83    | 10669    | 0.579    | ug/L # | 41       |
| 37) 1,2-Dichloropropane       | 6.835  | 63    | 1359     | 0.125    | ug/L # | 88       |
| 45) 1,1,2-Trichloroethane     | 8.420  | 97    | 1396     | 0.157    | ug/L # | 84       |
| 47) Tetrachloroethene         | 8.568  | 164   | 12459    | 1.258    | ug/L   | 96       |
| 49) Dibromochloromethane      | 8.568  | 129   | 11533    | 1.065    | ug/L # | 12       |
| 61) 1,2,3-Trichloropropane    | 11.816 | 75    | 9024     | 1.127    | ug/L # | 66       |
| -----                         |        |       |          |          |        |          |

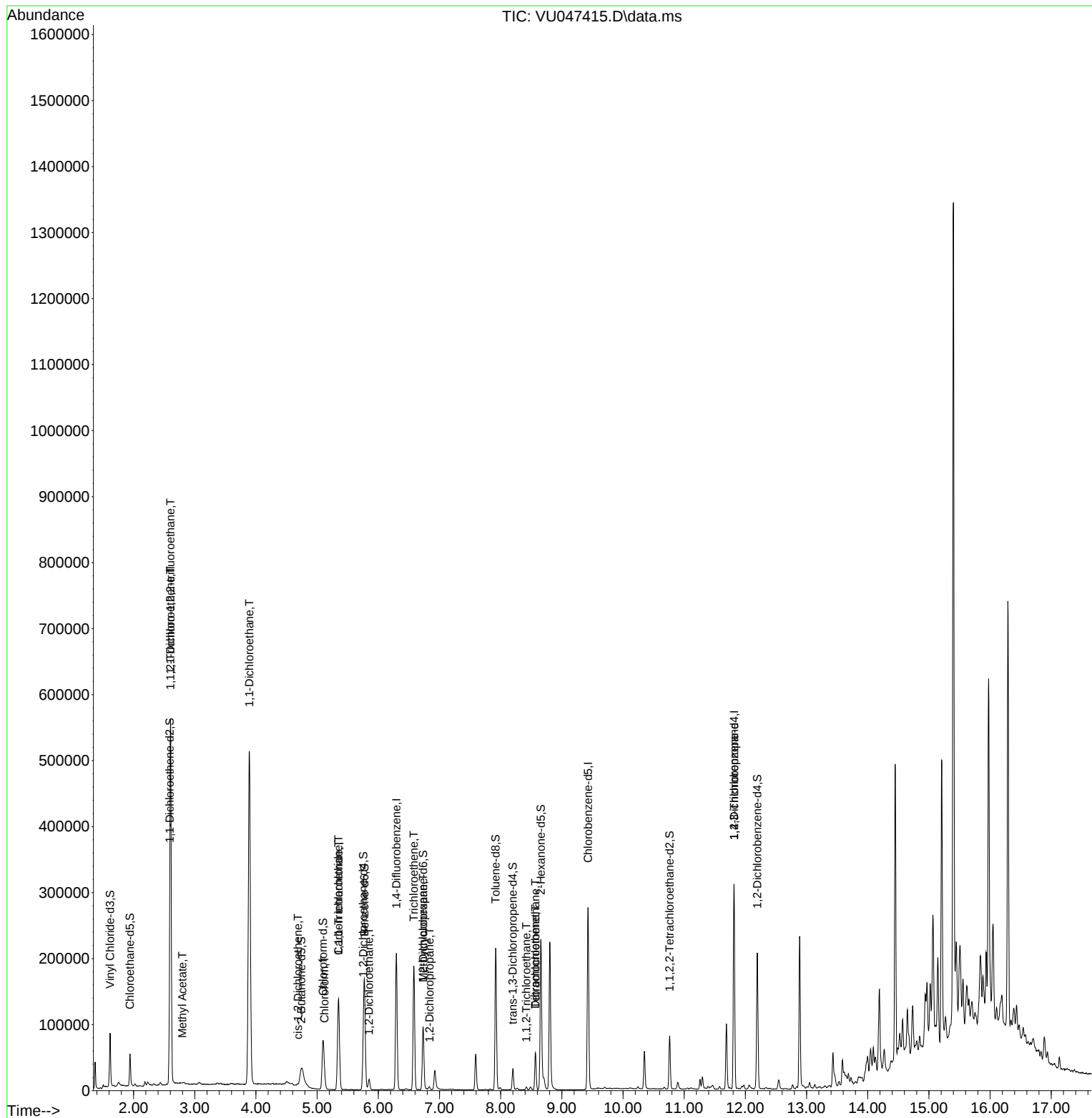
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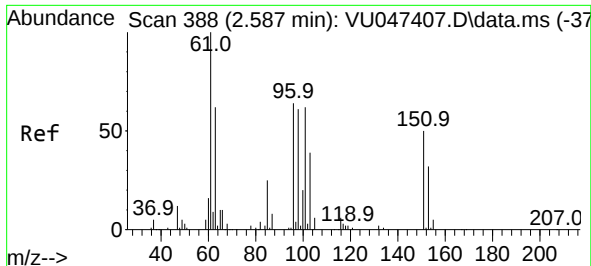
Instrument :  
MSVOA\_U  
ClientSampleId :

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU030922\  
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ClientSampleId :

Quant Time: Mar 10 01:07:05 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR030922WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Mar 10 00:51:00 2022  
Response via : Initial Calibration

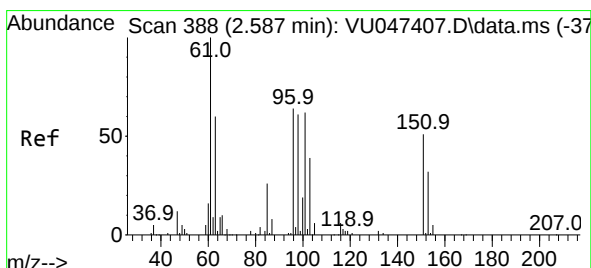
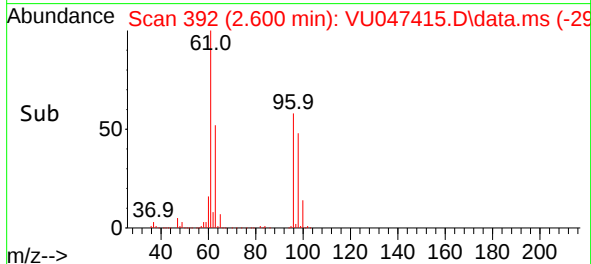
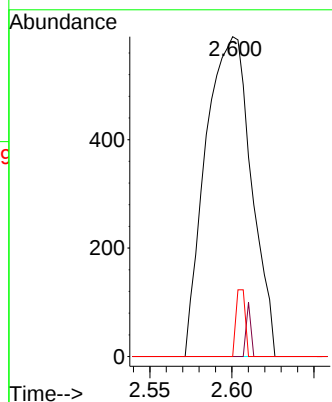
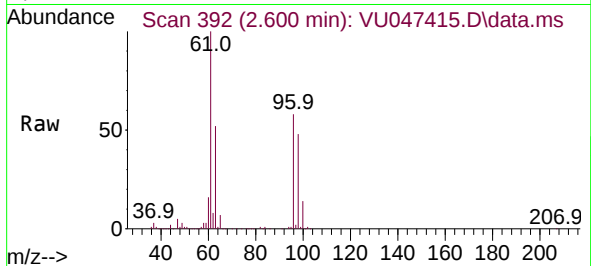




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.111 ug/L  
 RT: 2.600 min Scan# 392  
 Delta R.T. 0.013 min  
 Lab File: VU047415.D  
 Acq: 09 Mar 2022 19:32

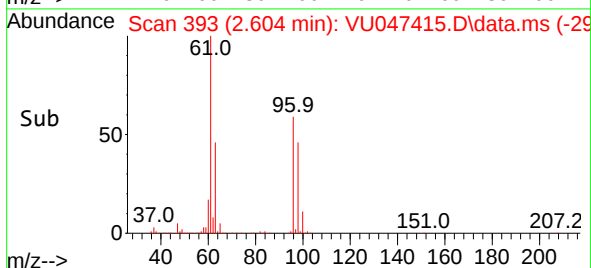
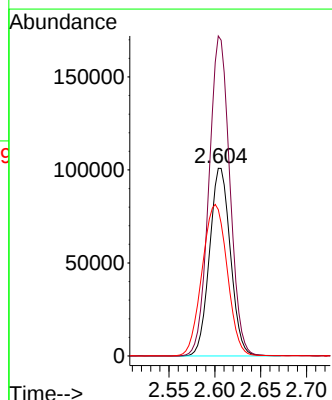
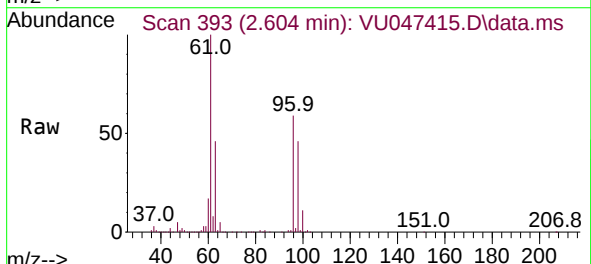
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 MSVOA\_U  
 ClientSampleId :

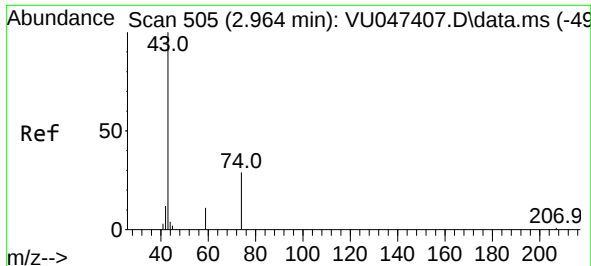
Tgt Ion:101 Resp: 1141  
 Ion Ratio Lower Upper  
 101 100  
 85 1.7 33.8 50.6#  
 151 4.1 64.8 97.2#



#12  
 1,1-Dichloroethene  
 Concen: 15.855 ug/L  
 RT: 2.604 min Scan# 393  
 Delta R.T. 0.016 min  
 Lab File: VU047415.D  
 Acq: 09 Mar 2022 19:32

Tgt Ion: 96 Resp: 160308  
 Ion Ratio Lower Upper  
 96 100  
 61 170.5 108.8 202.0  
 63 78.0 64.0 119.0

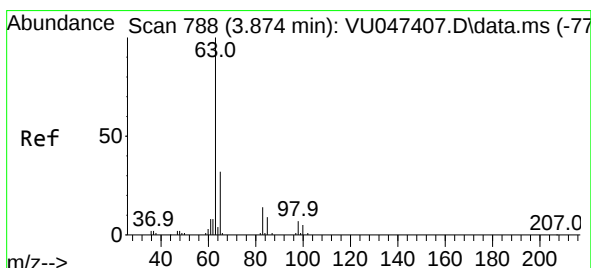
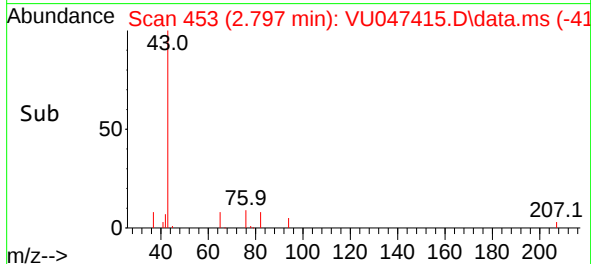
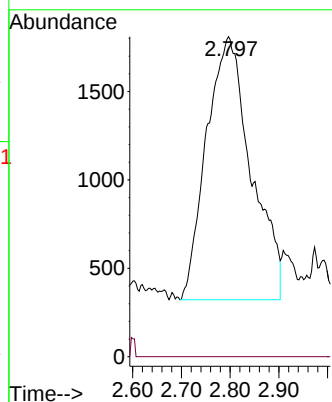
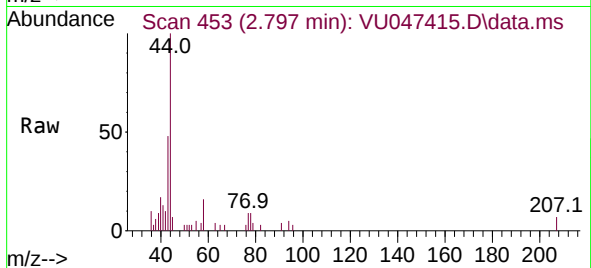




#15  
Methyl Acetate  
Concen: 2.352 ug/L  
RT: 2.797 min Scan# 41  
Delta R.T. -0.167 min  
Lab File: VU047415.D  
Acq: 09 Mar 2022 19:32

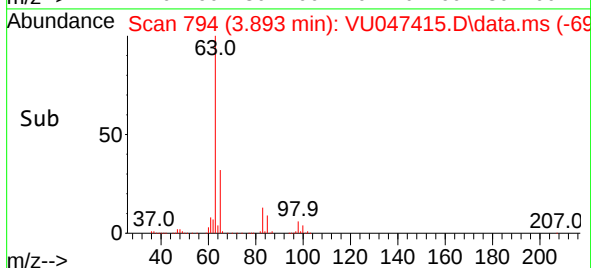
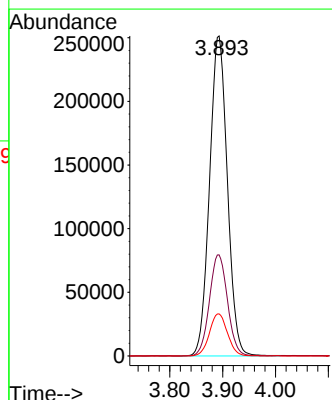
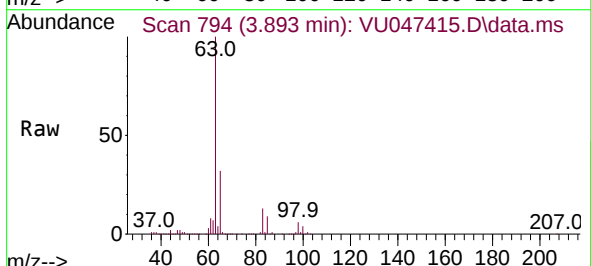
Instrument :  
MSVOA\_U  
ClientSampleId :

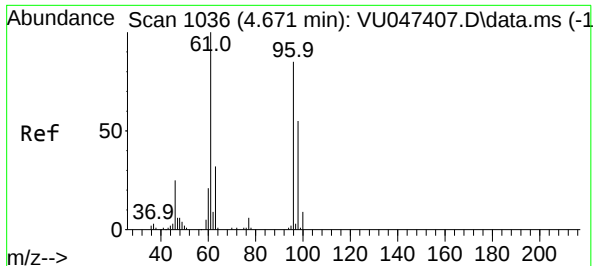
Tgt Ion: 43 Resp: 9494  
Ion Ratio Lower Upper  
43 100  
74 0.0 20.2 30.2#



#19  
1,1-Dichloroethane  
Concen: 31.939 ug/L  
RT: 3.893 min Scan# 794  
Delta R.T. 0.019 min  
Lab File: VU047415.D  
Acq: 09 Mar 2022 19:32

Tgt Ion: 63 Resp: 588005  
Ion Ratio Lower Upper  
63 100  
65 31.6 22.8 42.4  
83 13.1 9.9 18.3





#22

cis-1,2-Dichloroethene

Concen: 0.078 ug/L

RT: 4.684 min Scan# 1040

Delta R.T. 0.013 min

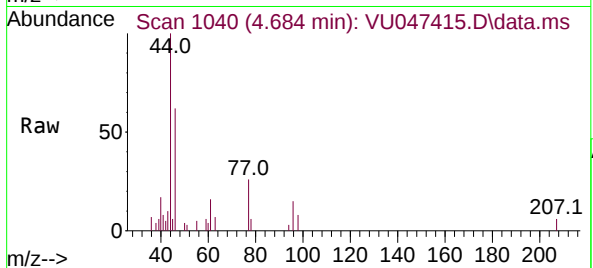
Lab File: VU047415.D

Acq: 09 Mar 2022 19:32

Instrument :

MSVOA\_U

ClientSampleId :



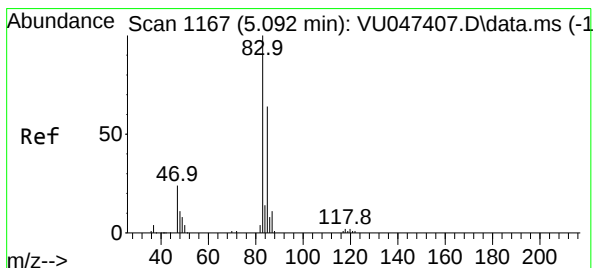
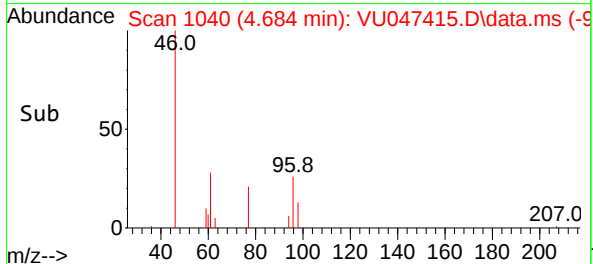
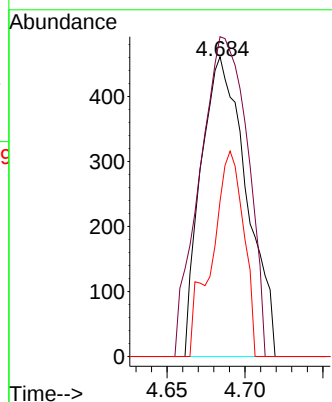
Tgt Ion: 96 Resp: 935

Ion Ratio Lower Upper

96 100

61 106.7 80.8 150.0

98 51.8 44.7 83.1



#25

Chloroform

Concen: 0.613 ug/L

RT: 5.121 min Scan# 1176

Delta R.T. 0.029 min

Lab File: VU047415.D

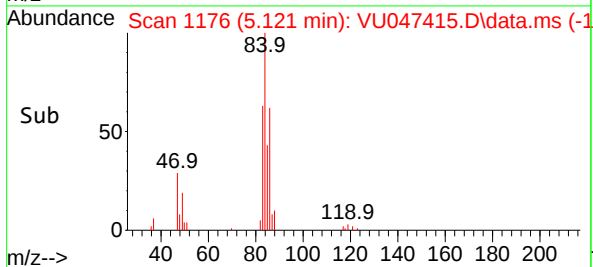
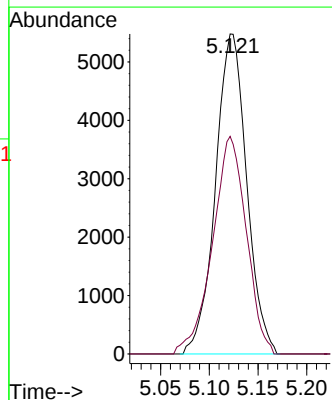
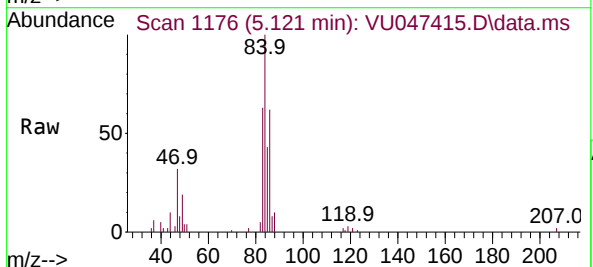
Acq: 09 Mar 2022 19:32

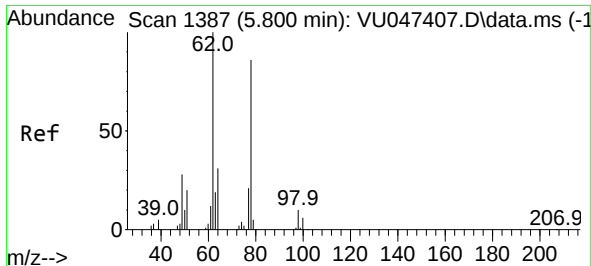
Tgt Ion: 83 Resp: 12223

Ion Ratio Lower Upper

83 100

85 68.0 46.2 85.8

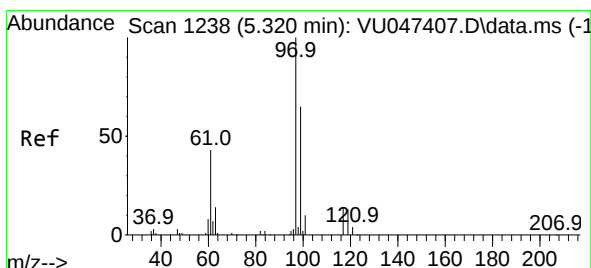
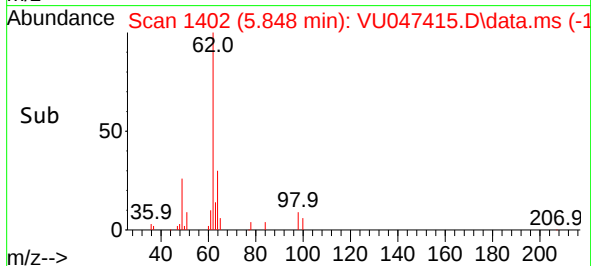
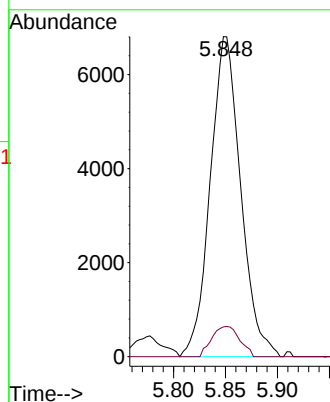
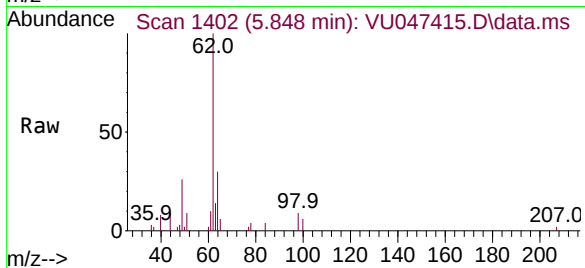




#27  
1,2-Dichloroethane  
Concen: 1.081 ug/L  
RT: 5.848 min Scan# 1402  
Delta R.T. 0.048 min  
Lab File: VU047415.D  
Acq: 09 Mar 2022 19:32

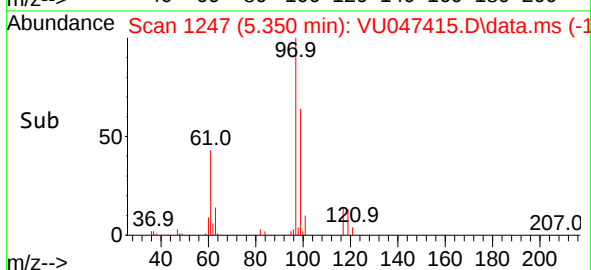
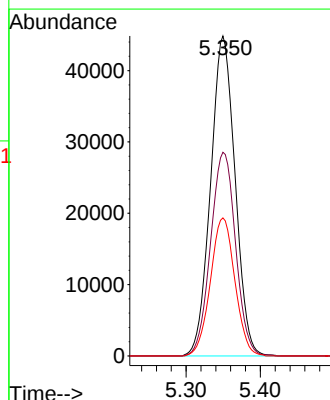
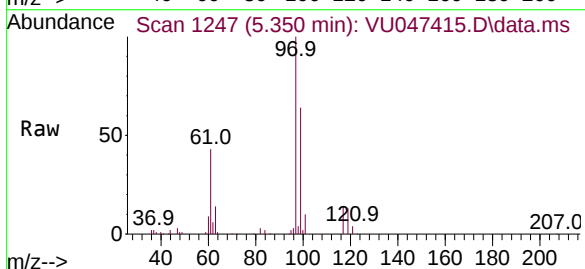
Instrument :  
MSVOA\_U  
ClientSampleId :

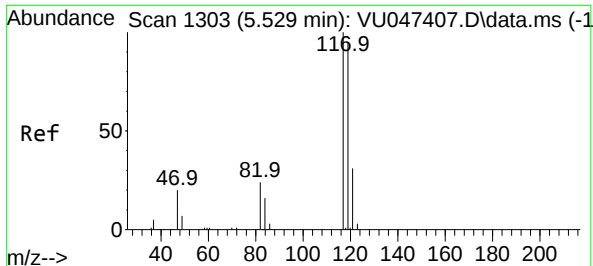
Tgt Ion: 62 Resp: 13871  
Ion Ratio Lower Upper  
62 100  
98 9.3 7.8 11.8



#29  
1,1,1-Trichloroethane  
Concen: 6.154 ug/L  
RT: 5.350 min Scan# 1247  
Delta R.T. 0.029 min  
Lab File: VU047415.D  
Acq: 09 Mar 2022 19:32

Tgt Ion: 97 Resp: 102828  
Ion Ratio Lower Upper  
97 100  
99 65.0 52.1 78.1  
61 43.1 33.8 50.6

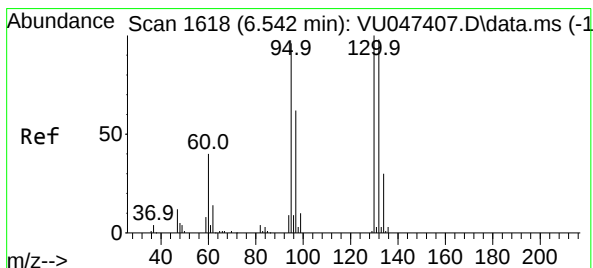
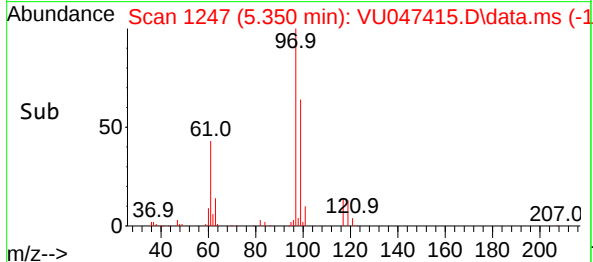
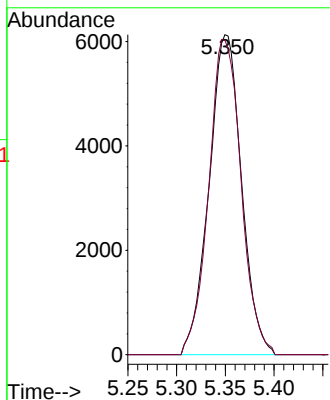
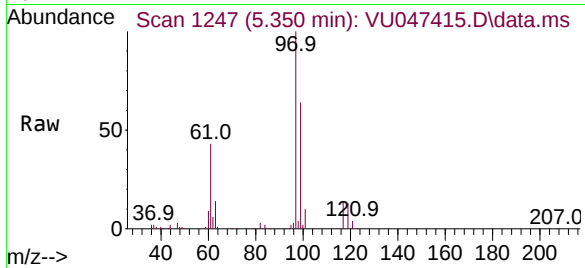




#31  
Carbon tetrachloride  
Concen: 0.965 ug/L  
RT: 5.350 min Scan# 11  
Delta R.T. -0.180 min  
Lab File: VU047415.D  
Acq: 09 Mar 2022 19:32

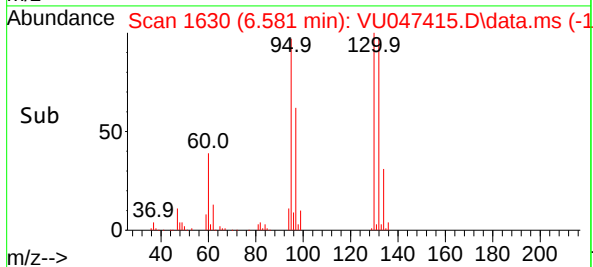
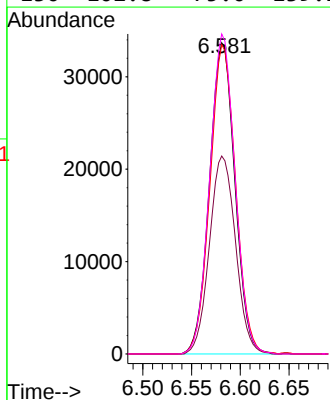
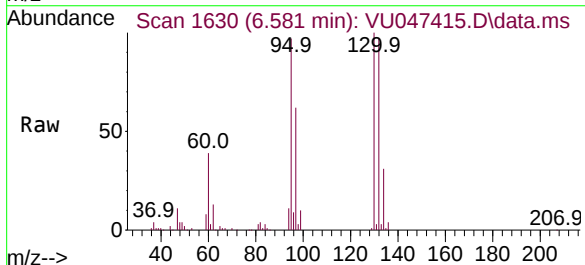
Instrument :  
MSVOA\_U  
ClientSampleId :

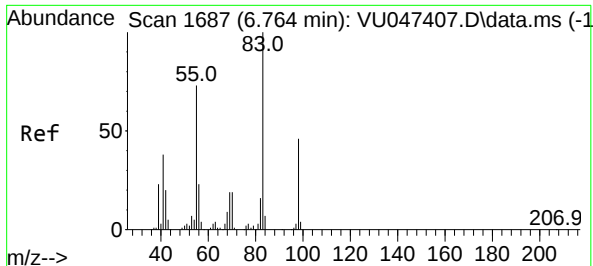
Tgt Ion:117 Resp: 14160  
Ion Ratio Lower Upper  
117 100  
119 98.6 75.8 113.8



#34  
Trichloroethene  
Concen: 5.244 ug/L  
RT: 6.581 min Scan# 1630  
Delta R.T. 0.039 min  
Lab File: VU047415.D  
Acq: 09 Mar 2022 19:32

Tgt Ion: 95 Resp: 61234  
Ion Ratio Lower Upper  
95 100  
97 63.6 46.3 85.9  
132 99.4 71.7 133.1  
130 102.8 75.0 139.2





#35

Methylcyclohexane

Concen: 0.579 ug/L

RT: 6.732 min Scan# 1

Delta R.T. -0.032 min

Lab File: VU047415.D

Acq: 09 Mar 2022 19:32

Instrument :

MSVOA\_U

ClientSampleId :

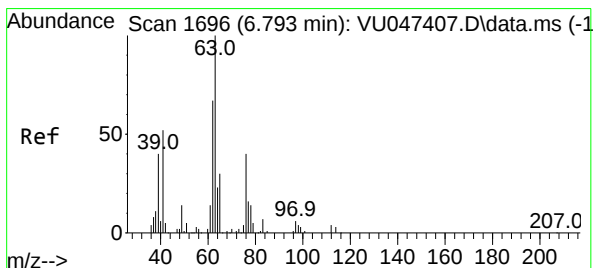
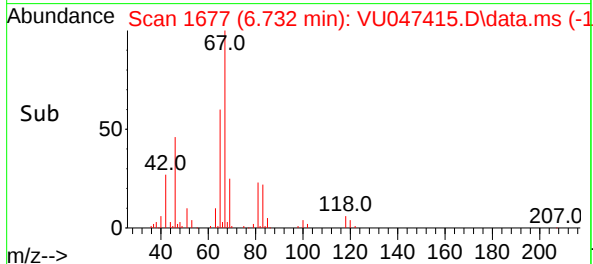
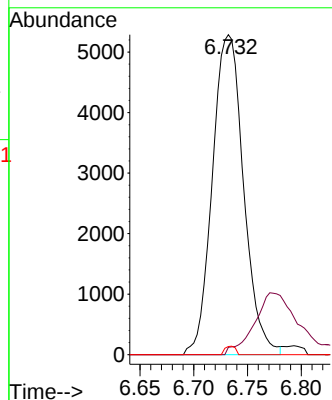
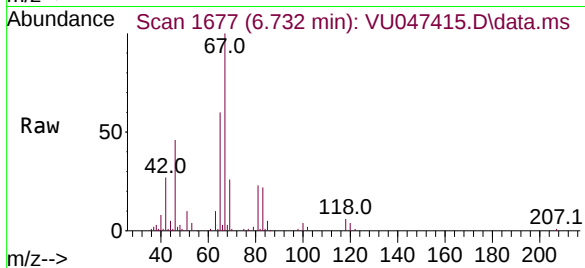
Tgt Ion: 83 Resp: 10669

Ion Ratio Lower Upper

83 100

55 28.8 57.8 86.8#

98 0.9 38.0 57.0#



#37

1,2-Dichloropropane

Concen: 0.125 ug/L

RT: 6.835 min Scan# 1709

Delta R.T. 0.042 min

Lab File: VU047415.D

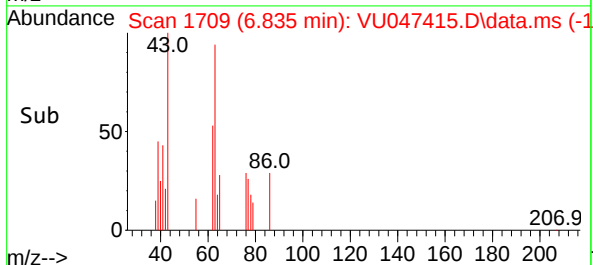
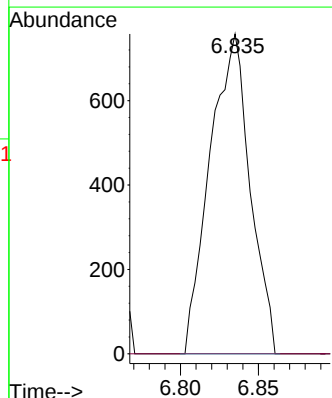
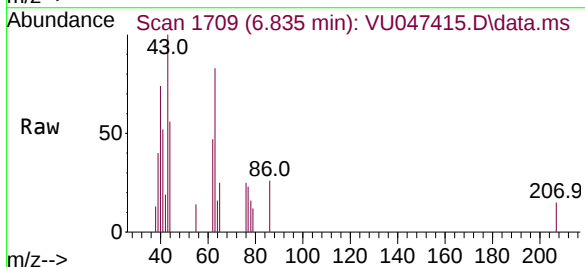
Acq: 09 Mar 2022 19:32

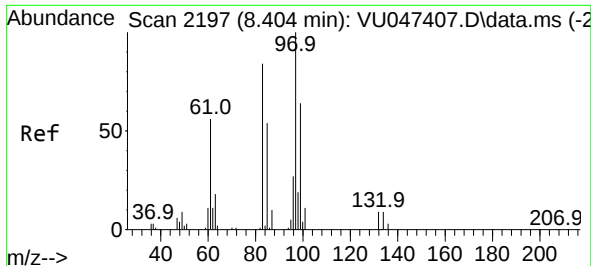
Tgt Ion: 63 Resp: 1359

Ion Ratio Lower Upper

63 100

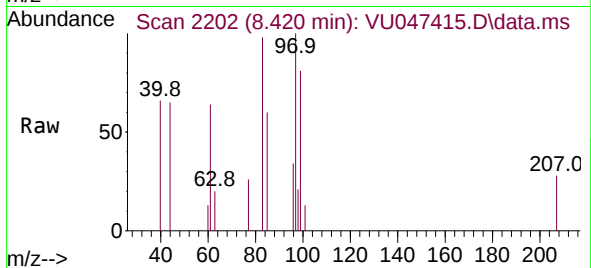
112 0.0 3.3 4.9#



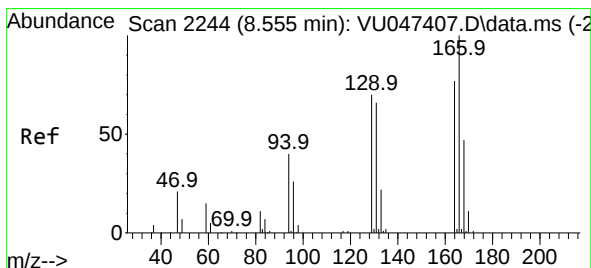
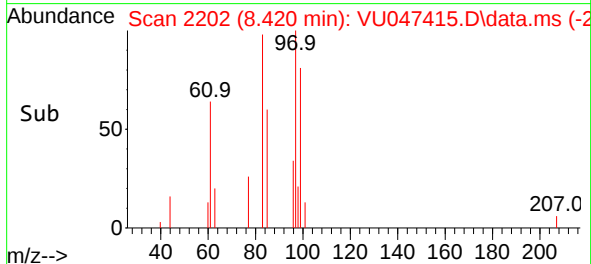
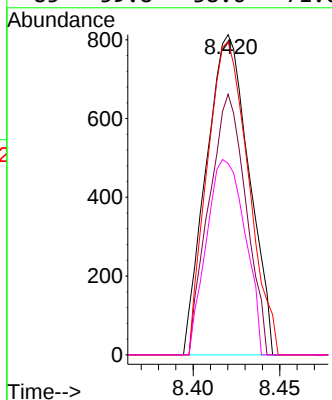


#45  
1,1,2-Trichloroethane  
Concen: 0.157 ug/L  
RT: 8.420 min Scan# 2197  
Delta R.T. 0.016 min  
Lab File: VU047415.D  
Acq: 09 Mar 2022 19:32

Instrument :  
MSVOA\_U  
ClientSampleId :

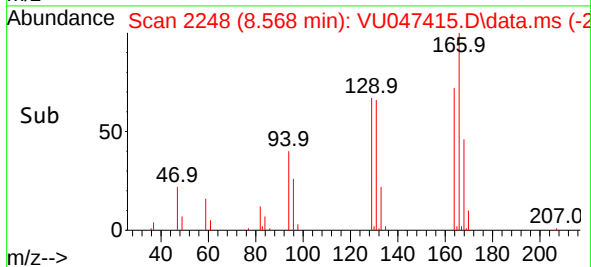
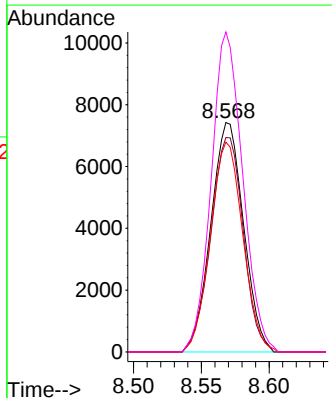
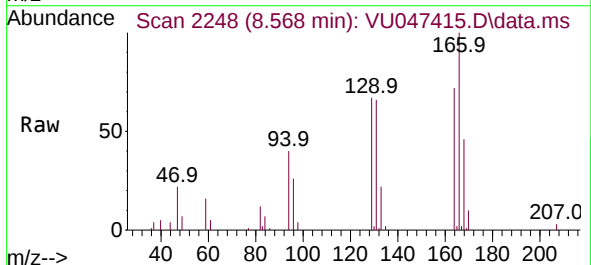


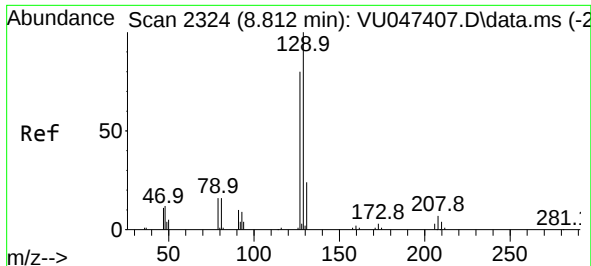
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 1396  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 81.4  | 43.3  | 80.5# |
| 83       | 97.8  | 59.1  | 109.9 |
| 85       | 59.8  | 38.6  | 71.6  |



#47  
Tetrachloroethene  
Concen: 1.258 ug/L  
RT: 8.568 min Scan# 2248  
Delta R.T. 0.013 min  
Lab File: VU047415.D  
Acq: 09 Mar 2022 19:32

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 12459 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 93.5  | 64.9  | 120.5 |
| 131      | 91.4  | 63.6  | 118.2 |
| 166      | 139.5 | 91.4  | 169.8 |

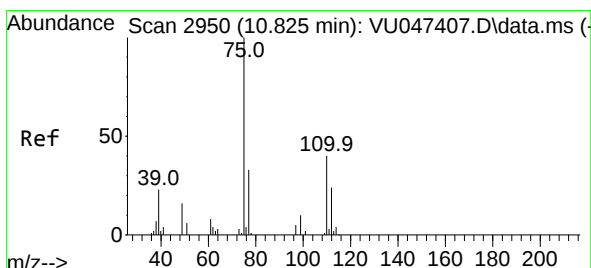
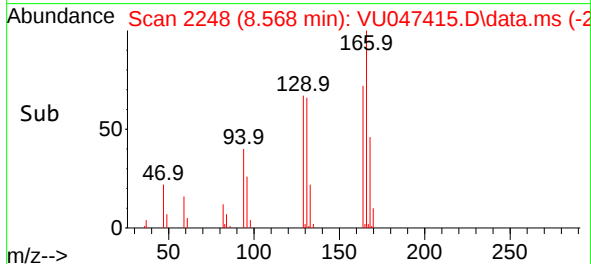
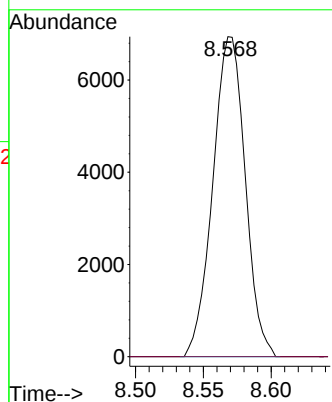
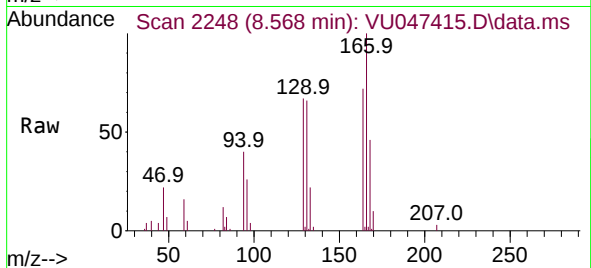




#49  
Dibromochloromethane  
Concen: 1.065 ug/L  
RT: 8.568 min Scan# 21  
Delta R.T. -0.244 min  
Lab File: VU047415.D  
Acq: 09 Mar 2022 19:32

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion:129 Resp: 11533  
Ion Ratio Lower Upper  
129 100  
127 0.0 52.6 97.8#



#61  
1,2,3-Trichloropropane  
Concen: 1.127 ug/L  
RT: 11.816 min Scan# 3258  
Delta R.T. 0.990 min  
Lab File: VU047415.D  
Acq: 09 Mar 2022 19:32

Tgt Ion: 75 Resp: 9024  
Ion Ratio Lower Upper  
75 100  
110 2.6 31.0 46.4#  
77 34.7 26.2 39.4

