

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU121921\  
 Data File : VU046487.D  
 Acq On : 19 Dec 2021 12:24  
 Operator : SY/MD  
 Sample : M5062-07ME 10X  
 Misc : 6.07g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Dec 20 00:26:17 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM112921WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Dec 20 00:25:10 2021  
 Response via : Initial Calibration

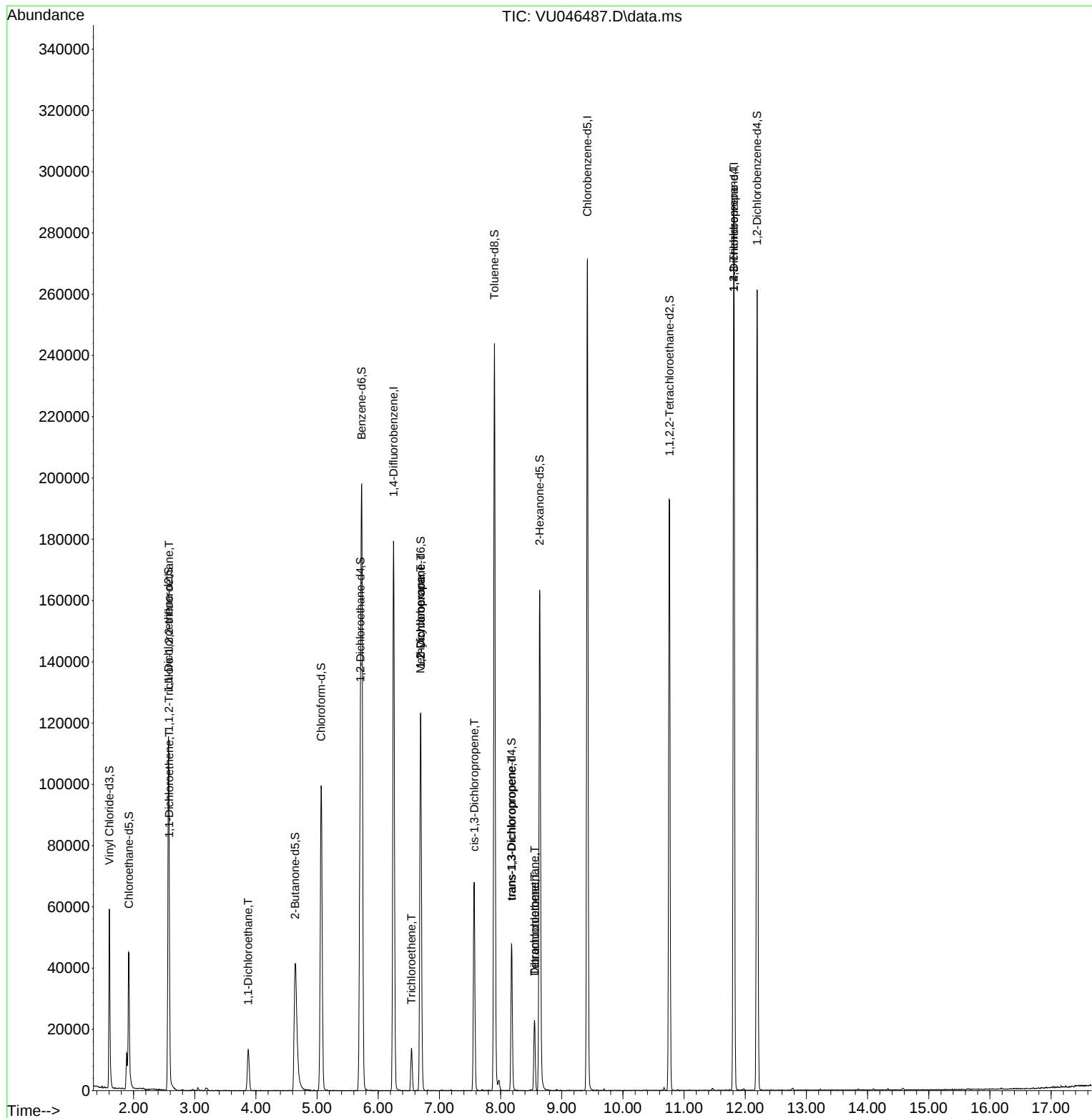
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250   | 114   | 143805   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417   | 117   | 147743   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.815  | 152   | 75374    | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.604   | 65    | 46646    | 39.377   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 78.760%  |
| 7) Chloroethane-d5            | 1.922   | 69    | 38032    | 41.815   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 83.640%  |
| 11) 1,1-Dichloroethene-d2     | 2.571   | 63    | 67818    | 31.891   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 63.780%  |
| 21) 2-Butanone-d5             | 4.642   | 46    | 83556    | 88.730   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 88.730%  |
| 24) Chloroform-d              | 5.067   | 84    | 94449    | 47.745   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 95.480%  |
| 26) 1,2-Dichloroethane-d4     | 5.706   | 65    | 63497    | 47.828   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 95.660%  |
| 32) Benzene-d6                | 5.729   | 84    | 183778   | 43.399   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 86.800%  |
| 36) 1,2-Dichloropropane-d6    | 6.694   | 67    | 57853    | 44.083   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 88.160%  |
| 41) Toluene-d8                | 7.899   | 98    | 158461   | 41.099   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 82.200%  |
| 43) trans-1,3-Dichloroprop... | 8.179   | 79    | 27573    | 43.523   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 87.040%  |
| 47) 2-Hexanone-d5             | 8.639   | 63    | 63832    | 102.584  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 102.580% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.761  | 84    | 93353    | 46.905   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 93.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195  | 152   | 64982    | 44.767   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 89.540%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.578   | 101   | 568      | 0.543    | ug/L # | 21       |
| 12) 1,1-Dichloroethene        | 2.584   | 96    | 3453     | 3.473    | ug/L # | 1        |
| 19) 1,1-Dichloroethane        | 3.874   | 63    | 15581    | 8.144    | ug/L   | 100      |
| 34) Trichloroethene           | 6.542   | 95    | 4787     | 4.064    | ug/L   | 96       |
| 35) Methylcyclohexane         | 6.690   | 83    | 14452    | 7.912    | ug/L # | 20       |
| 37) 1,2-Dichloropropane       | 6.694   | 63    | 6589     | 5.625    | ug/L # | 86       |
| 39) cis-1,3-Dichloropropene   | 7.571   | 75    | 1717     | 0.964    | ug/L # | 69       |
| 44) trans-1,3-Dichloropropene | 8.182   | 75    | 1361     | 0.778    | ug/L   | 84       |
| 46) Tetrachloroethene         | 8.555   | 164   | 5014     | 5.792    | ug/L   | 98       |
| 49) Dibromochloromethane      | 8.555   | 129   | 4745     | 3.845    | ug/L # | 10       |
| 60) 1,2,3-Trichloropropane    | 11.812  | 75    | 9161     | 5.545    | ug/L # | 65       |
| -----                         |         |       |          |          |        |          |

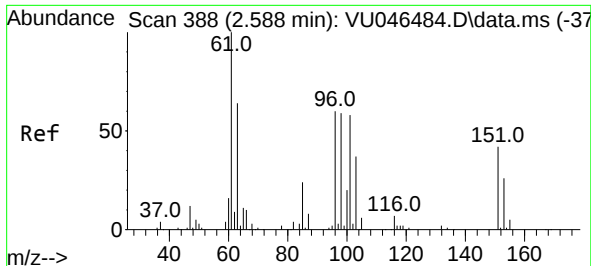
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : M5062-07ME 10X  
Misc : 6.07g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
ALS Vial : 5 Sample Multiplier: 1

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MSVOA\_U  
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Quant Title : VOC Analysis  
QLast Update : Mon Dec 20 00:25:10 2021  
Response via : Initial Calibration

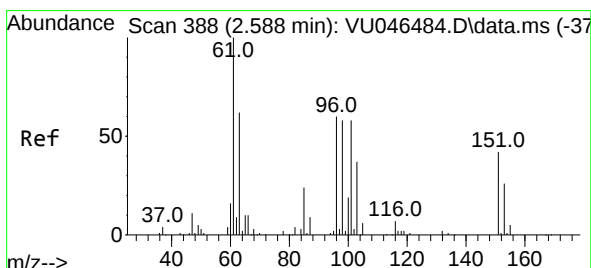
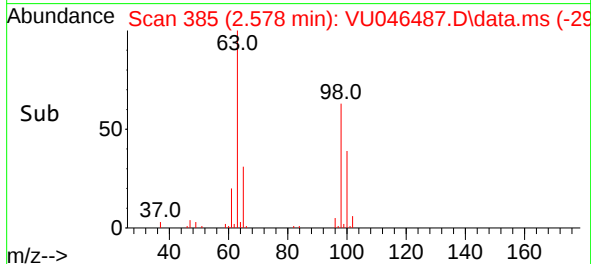
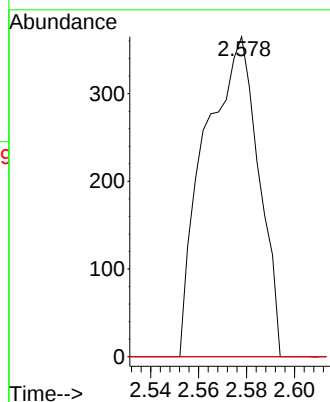
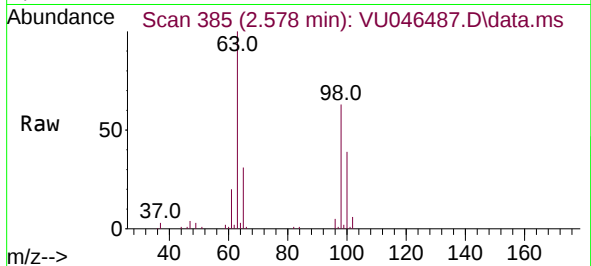




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.543 ug/L  
RT: 2.578 min Scan# 385  
Delta R.T. -0.010 min  
Lab File: VU046487.D  
Acq: 19 Dec 2021 12:24

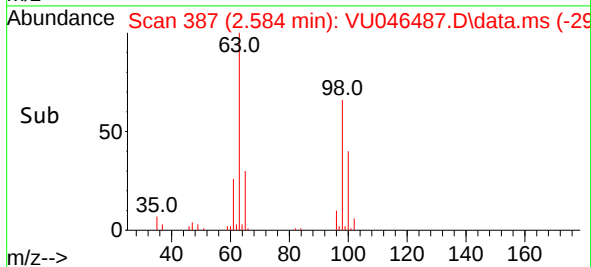
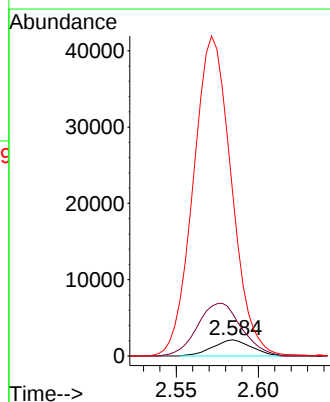
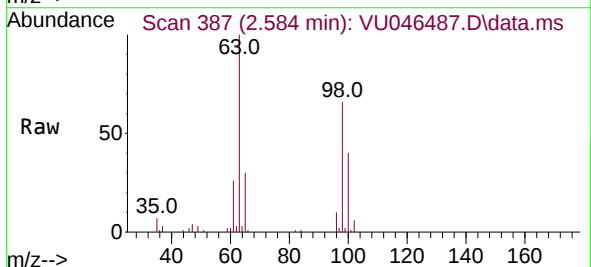
Instrument :  
MSVOA\_U  
ClientSampleId :

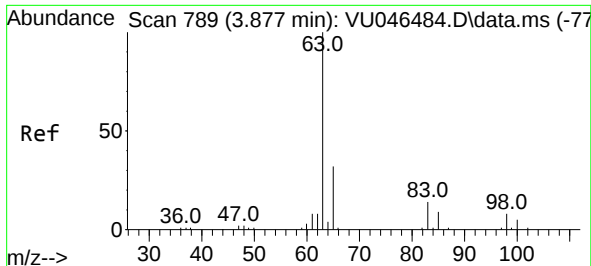
Tgt Ion:101 Resp: 568  
Ion Ratio Lower Upper  
101 100  
85 0.0 35.1 52.7#  
151 0.0 56.7 85.1#



#12  
1,1-Dichloroethene  
Concen: 3.473 ug/L  
RT: 2.584 min Scan# 387  
Delta R.T. -0.003 min  
Lab File: VU046487.D  
Acq: 19 Dec 2021 12:24

Tgt Ion: 96 Resp: 3453  
Ion Ratio Lower Upper  
96 100  
61 261.9 118.6 220.2#  
63 1010.3 93.0 172.8#





#19

1,1-Dichloroethane

Concen: 8.144 ug/L

RT: 3.874 min Scan# 789

Delta R.T. -0.003 min

Lab File: VU046487.D

Acq: 19 Dec 2021 12:24

Instrument :

MSVOA\_U

ClientSampleId :

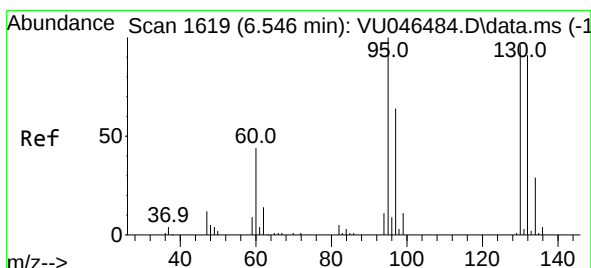
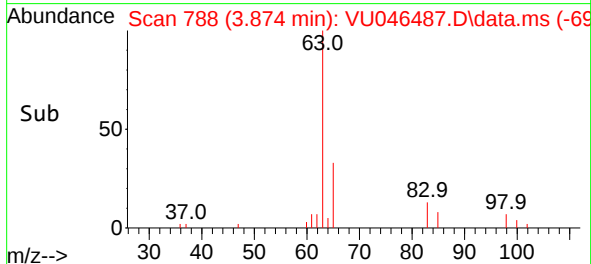
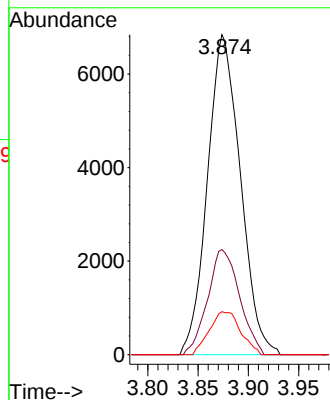
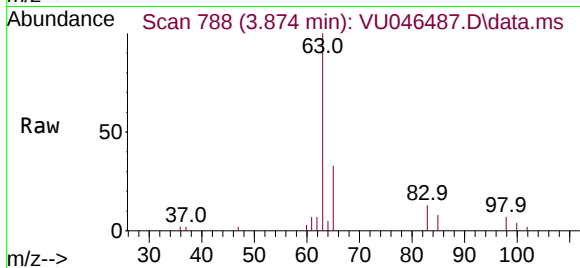
Tgt Ion: 63 Resp: 15581

Ion Ratio Lower Upper

63 100

65 32.8 22.8 42.4

83 13.4 9.6 17.8



#34

Trichloroethene

Concen: 4.064 ug/L

RT: 6.542 min Scan# 1618

Delta R.T. -0.003 min

Lab File: VU046487.D

Acq: 19 Dec 2021 12:24

Tgt Ion: 95 Resp: 4787

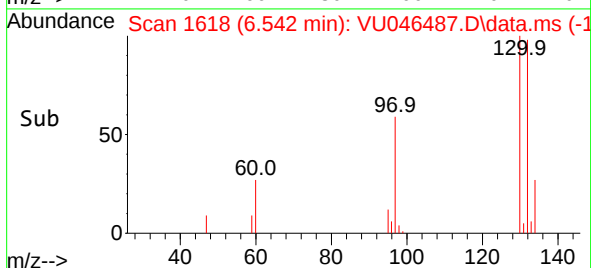
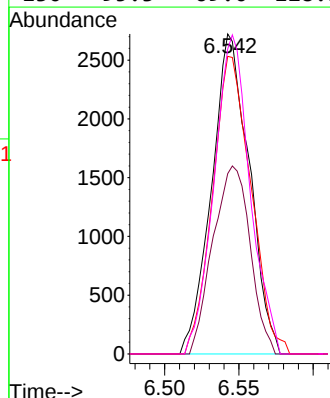
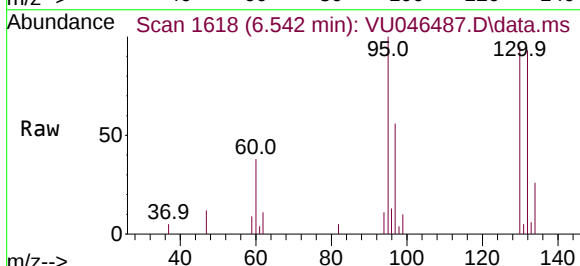
Ion Ratio Lower Upper

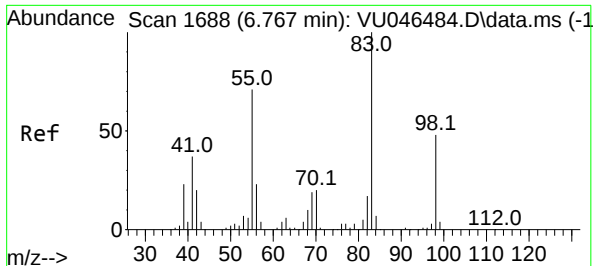
95 100

97 56.4 44.1 81.9

132 93.0 66.8 124.0

130 95.3 69.0 128.1

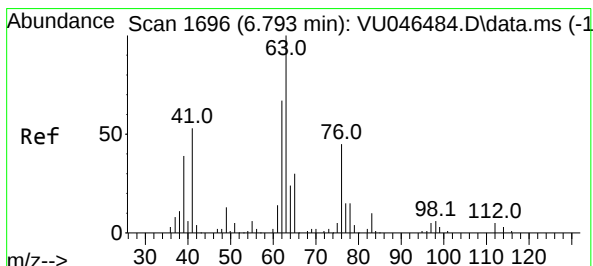
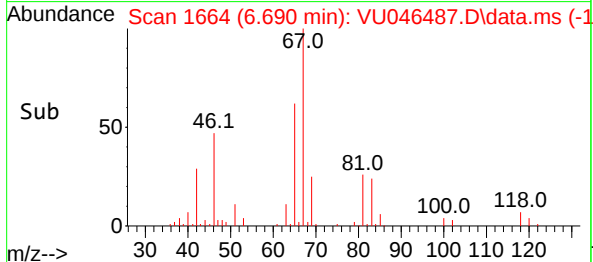
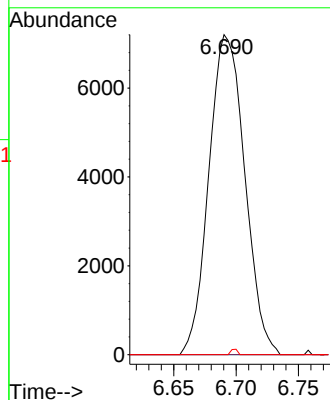
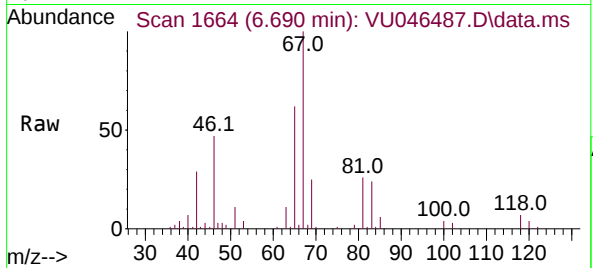




#35  
Methylcyclohexane  
Concen: 7.912 ug/L  
RT: 6.690 min Scan# 1664  
Delta R.T. -0.077 min  
Lab File: VU046487.D  
Acq: 19 Dec 2021 12:24

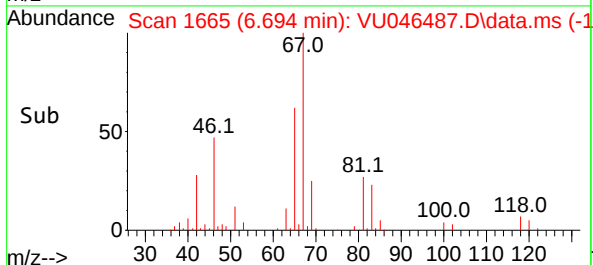
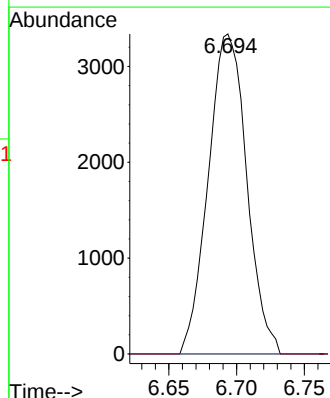
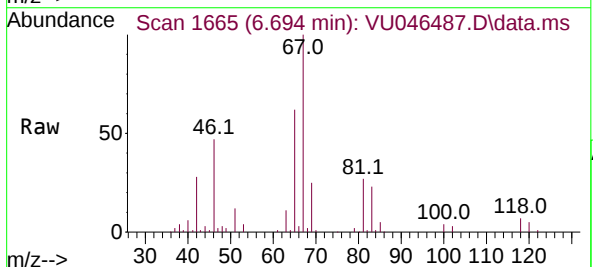
Instrument :  
MSVOA\_U  
ClientSampleId :

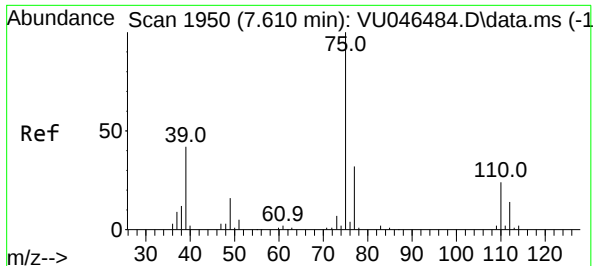
Tgt Ion: 83 Resp: 14452  
Ion Ratio Lower Upper  
83 100  
55 0.0 57.8 86.6#  
98 0.3 38.4 57.6#



#37  
1,2-Dichloropropane  
Concen: 5.625 ug/L  
RT: 6.694 min Scan# 1665  
Delta R.T. -0.100 min  
Lab File: VU046487.D  
Acq: 19 Dec 2021 12:24

Tgt Ion: 63 Resp: 6589  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.964 ug/L

RT: 7.571 min Scan# 1950

Delta R.T. -0.039 min

Lab File: VU046487.D

Acq: 19 Dec 2021 12:24

Instrument :

MSVOA\_U

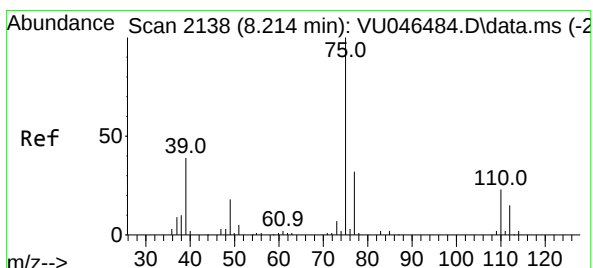
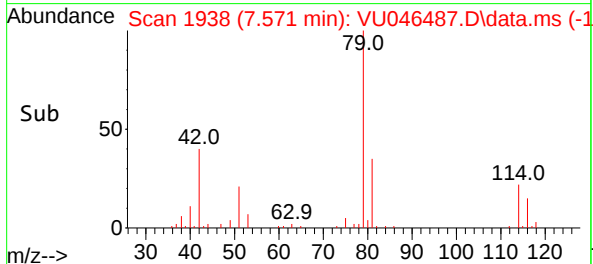
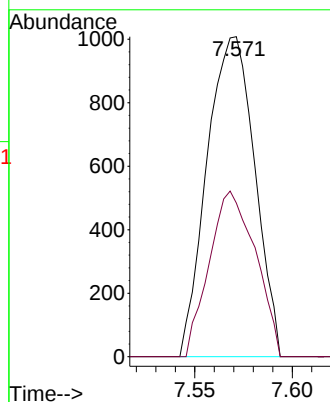
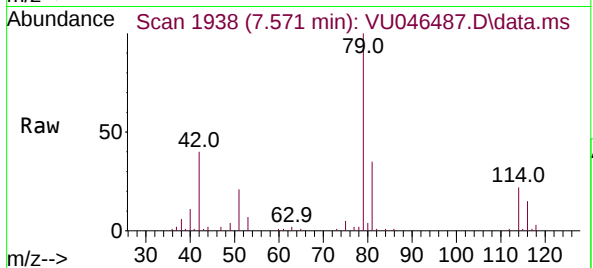
ClientSampleId :

Tgt Ion: 75 Resp: 1717

Ion Ratio Lower Upper

75 100

77 48.0 21.8 40.6#



#44

trans-1,3-Dichloropropene

Concen: 0.778 ug/L

RT: 8.182 min Scan# 2128

Delta R.T. -0.032 min

Lab File: VU046487.D

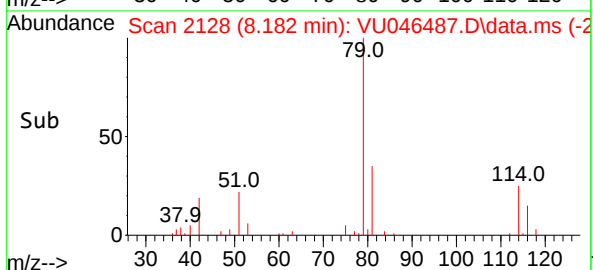
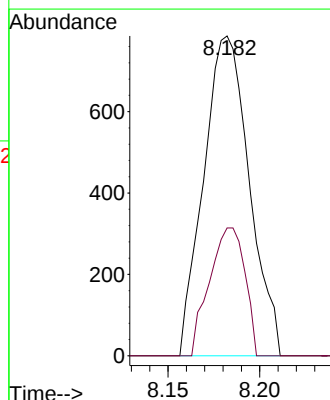
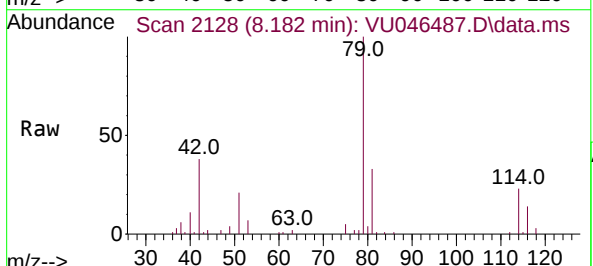
Acq: 19 Dec 2021 12:24

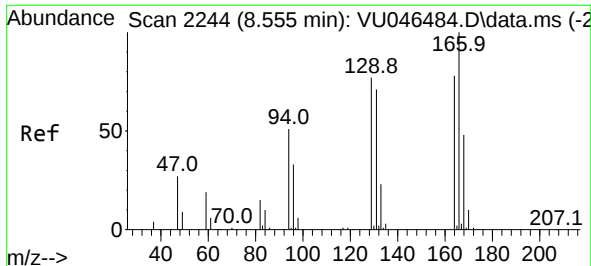
Tgt Ion: 75 Resp: 1361

Ion Ratio Lower Upper

75 100

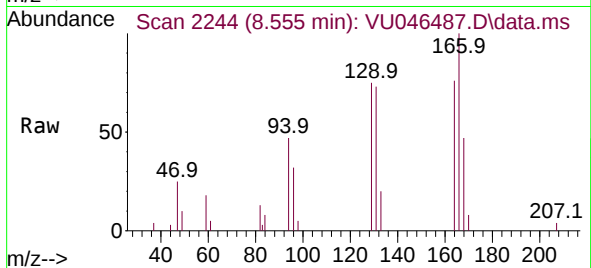
77 39.9 21.7 40.3



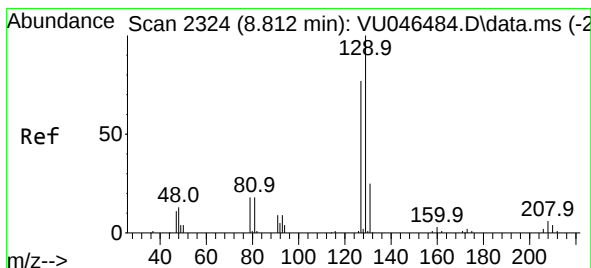
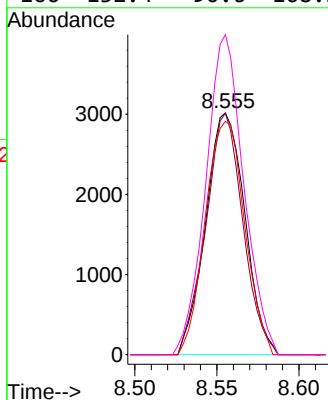
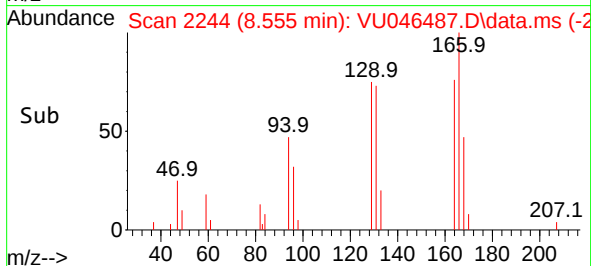


#46  
Tetrachloroethene  
Concen: 5.792 ug/L  
RT: 8.555 min Scan# 2244  
Delta R.T. 0.000 min  
Lab File: VU046487.D  
Acq: 19 Dec 2021 12:24

Instrument :  
MSVOA\_U  
ClientSampleId :

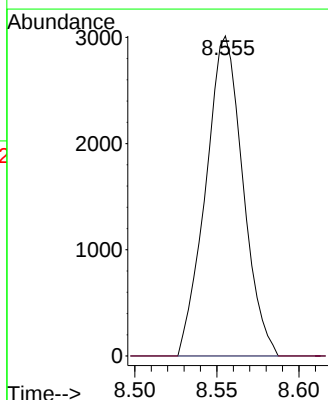
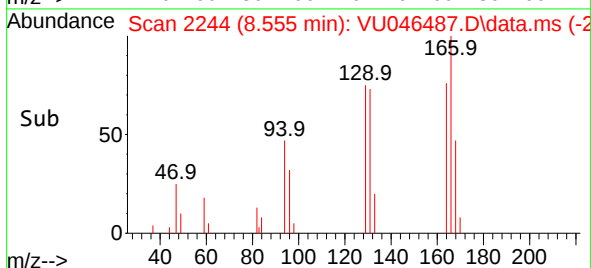
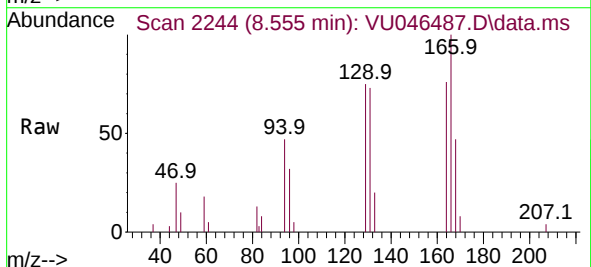


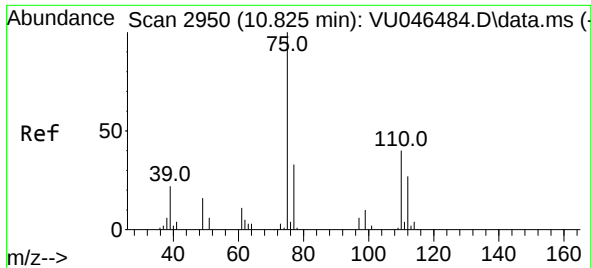
Tgt Ion:164 Resp: 5014  
Ion Ratio Lower Upper  
164 100  
129 99.9 71.1 132.1  
131 96.5 67.8 126.0  
166 132.4 90.6 168.2



#49  
Dibromochloromethane  
Concen: 3.845 ug/L  
RT: 8.555 min Scan# 2244  
Delta R.T. -0.257 min  
Lab File: VU046487.D  
Acq: 19 Dec 2021 12:24

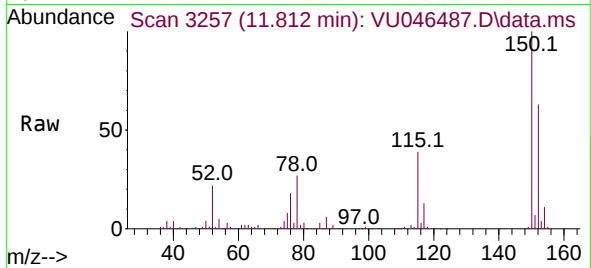
Tgt Ion:129 Resp: 4745  
Ion Ratio Lower Upper  
129 100  
127 0.0 55.6 103.4#





#60  
 1,2,3-Trichloropropane  
 Concen: 5.545 ug/L  
 RT: 11.812 min Scan# 31  
 Delta R.T. 0.987 min  
 Lab File: VU046487.D  
 Acq: 19 Dec 2021 12:24

Instrument :  
 MSVOA\_U  
 ClientSampleId :



|             |       |            |
|-------------|-------|------------|
| Tgt Ion: 75 | Resp: | 9161       |
| Ion Ratio   | Lower | Upper      |
| 75          | 100   |            |
| 77          | 33.8  | 26.4 39.6  |
| 110         | 1.8   | 32.4 48.6# |

