

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU081122\  
 Data File : VU050256.D  
 Acq On : 12 Aug 2022 02:59  
 Operator : SY/MD  
 Sample : N4161-07  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Aug 12 05:03:35 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR080422WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Aug 12 04:56:24 2022  
 Response via : Initial Calibration

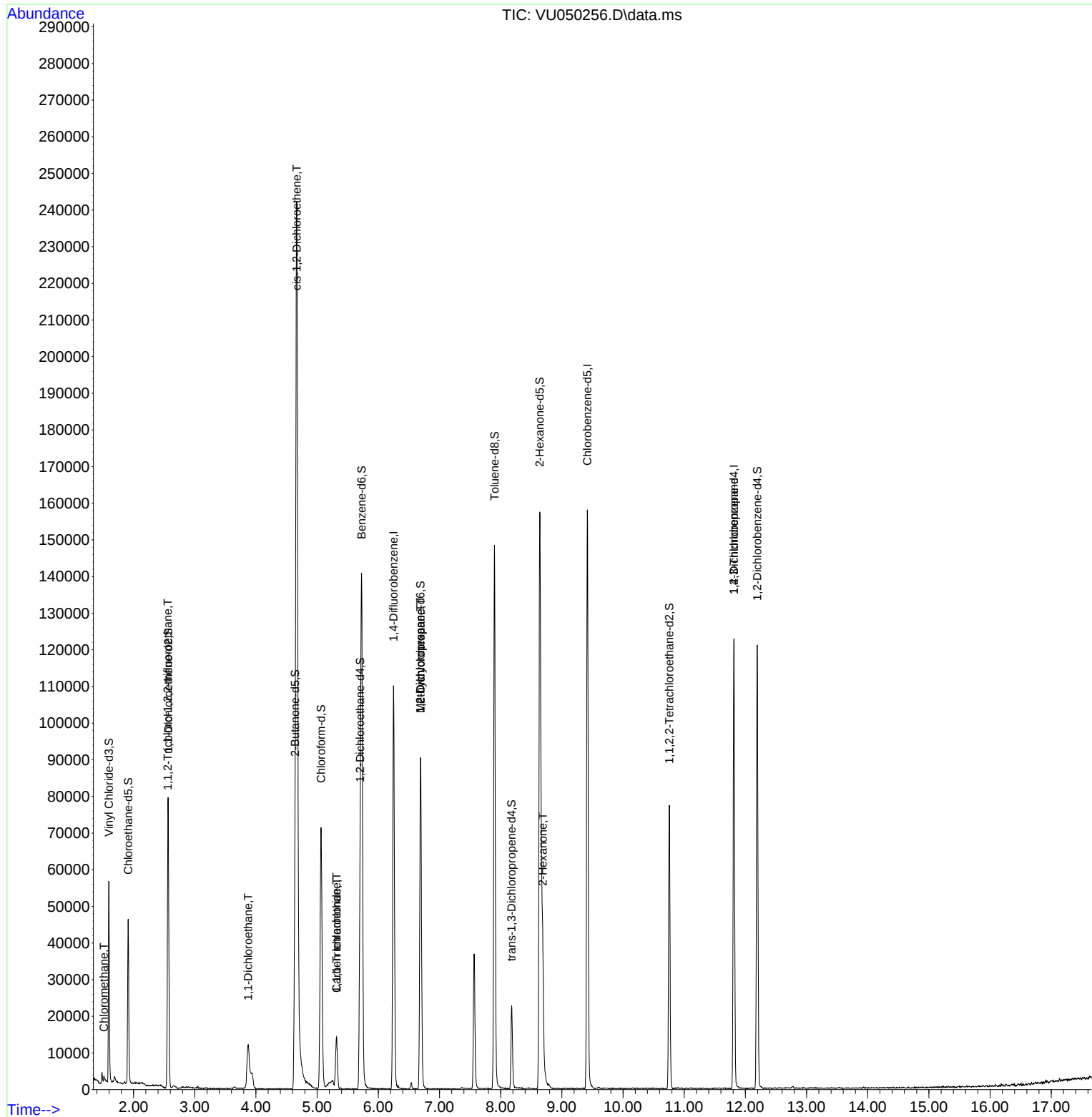
| Compound                      | R.T. QIon |                | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|-----------|----------------|----------|------------|--------|----------|
| Internal Standards            |           |                |          |            |        |          |
| 1) 1,4-Difluorobenzene        | 6.250     | 114            | 90762    | 5.000      | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417     | 117            | 91706    | 5.000      | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812    | 152            | 34085    | 5.000      | ug/L   | 0.00     |
| System Monitoring Compounds   |           |                |          |            |        |          |
| 4) Vinyl Chloride-d3          | 1.594     | 65             | 39466    | 5.225      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 40 - 130 | Recovery | = 104.600% |        |          |
| 7) Chloroethane-d5            | 1.912     | 69             | 32989    | 5.413      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 65 - 130 | Recovery | = 108.200% |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.565     | 65             | 15152    | 5.133      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 60 - 125 | Recovery | = 102.600% |        |          |
| 20) 2-Butanone-d5             | 4.639     | 46             | 101892   | 55.318     | ug/L   | 0.00     |
| Spiked Amount                 | 50.000    | Range 40 - 130 | Recovery | = 110.640% |        |          |
| 24) Chloroform-d              | 5.063     | 84             | 69742    | 4.964      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 125 | Recovery | = 99.200%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.703     | 65             | 37087    | 5.141      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 130 | Recovery | = 102.800% |        |          |
| 32) Benzene-d6                | 5.729     | 84             | 135269   | 4.727      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 125 | Recovery | = 94.600%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.690     | 67             | 46797    | 4.966      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 60 - 140 | Recovery | = 99.400%  |        |          |
| 41) Toluene-d8                | 7.899     | 98             | 103758   | 4.105      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 130 | Recovery | = 82.200%  |        |          |
| 43) trans-1,3-Dichloroprop... | 8.179     | 79             | 13641    | 4.039      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 55 - 130 | Recovery | = 80.800%  |        |          |
| 46) 2-Hexanone-d5             | 8.639     | 63             | 51047    | 42.625     | ug/L   | 0.00     |
| Spiked Amount                 | 50.000    | Range 45 - 130 | Recovery | = 85.260%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.755    | 84             | 40380    | 4.879      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 65 - 120 | Recovery | = 97.600%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.195    | 152            | 34315    | 5.138      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 80 - 120 | Recovery | = 102.800% |        |          |
| Target Compounds              |           |                |          |            |        |          |
| 3) Chloromethane              | 1.517     | 50             | 1403     | 0.129      | ug/L   | 90       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.559     | 101            | 407      | 0.069      | ug/L # | 22       |
| 19) 1,1-Dichloroethane        | 3.871     | 63             | 12316    | 0.926      | ug/L   | 99       |
| 22) cis-1,2-Dichloroethene    | 4.668     | 96             | 118199   | 15.160     | ug/L   | 96       |
| 29) 1,1,1-Trichloroethane     | 5.317     | 97             | 10066    | 0.895      | ug/L   | 94       |
| 31) Carbon tetrachloride      | 5.317     | 117            | 1256     | 0.136      | ug/L   | 97       |
| 35) Methylcyclohexane         | 6.690     | 83             | 10428    | 1.040      | ug/L # | 18       |
| 37) 1,2-Dichloropropane       | 6.690     | 63             | 4688     | 0.548      | ug/L # | 89       |
| 48) 2-Hexanone                | 8.687     | 43             | 20531    | 5.355      | ug/L # | 82       |
| 61) 1,2,3-Trichloropropane    | 11.812    | 75             | 4361     | 0.939      | ug/L # | 66       |

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

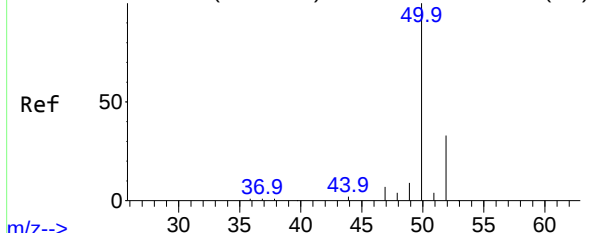
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU081122\  
Data File : VU050256.D  
Acq On : 12 Aug 2022 02:59  
Operator : SY/MD  
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ALS Vial : 36 Sample Multiplier: 1

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MSVOA\_U  
ClientSampleId :

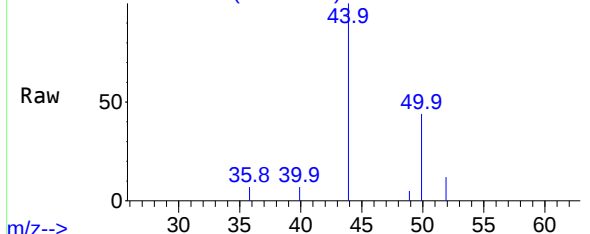
Quant Time: Aug 12 05:03:35 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR080422WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Aug 12 04:56:24 2022  
Response via : Initial Calibration



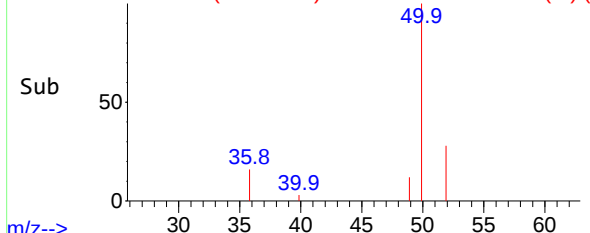
Abundance Scan 55 (1.517 min): VU050242.D\data.ms (-46)



m/z--> Scan 55 (1.517 min): VU050256.D\data.ms



m/z--> Abundance Scan 55 (1.517 min): VU050256.D\data.ms (-1)



m/z-->

#3

Chloromethane

Concen: 0.129 ug/L

RT: 1.517 min Scan# 51

Delta R.T. -0.000 min

Lab File: VU050256.D

Acq: 12 Aug 2022 02:59

Instrument :

MSVOA\_U

ClientSampleId :

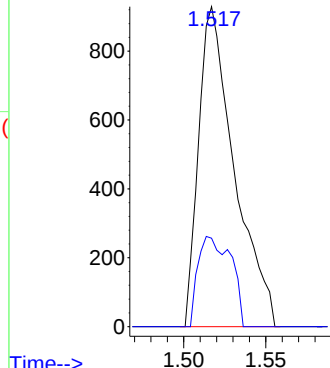
Tgt Ion: 50 Resp: 1403

Ion Ratio Lower Upper

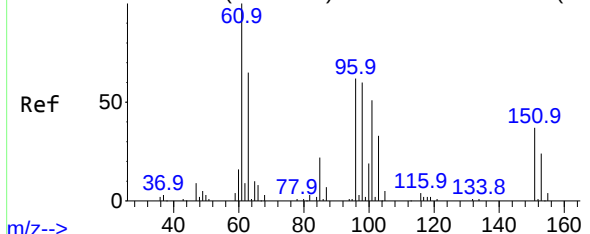
50 100

52 27.7 23.2 43.2

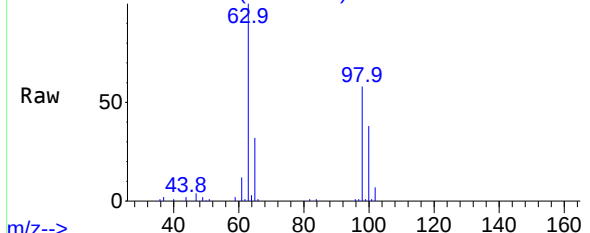
Abundance



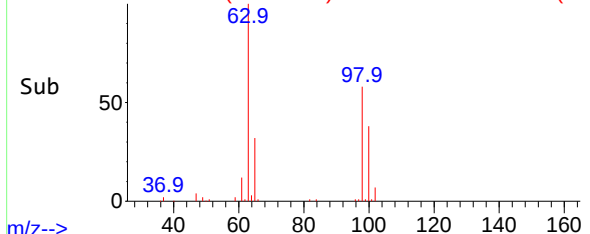
Abundance Scan 385 (2.578 min): VU050242.D\data.ms (-37)



m/z--> Abundance Scan 379 (2.559 min): VU050256.D\data.ms



m/z--> Abundance Scan 379 (2.559 min): VU050256.D\data.ms (-29)



m/z-->

#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.069 ug/L

RT: 2.559 min Scan# 379

Delta R.T. -0.019 min

Lab File: VU050256.D

Acq: 12 Aug 2022 02:59

Tgt Ion:101 Resp: 407

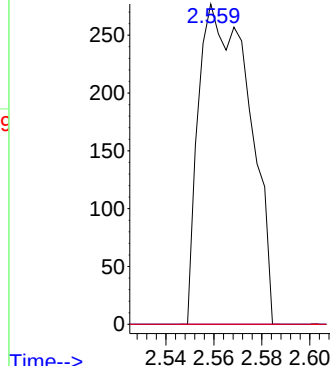
Ion Ratio Lower Upper

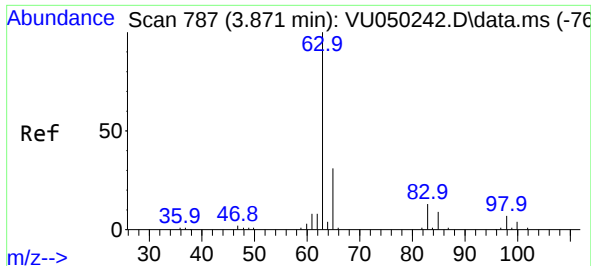
101 100

85 0.0 35.6 53.4#

151 0.0 55.2 82.8#

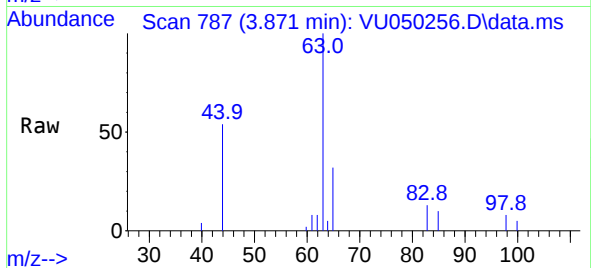
Abundance



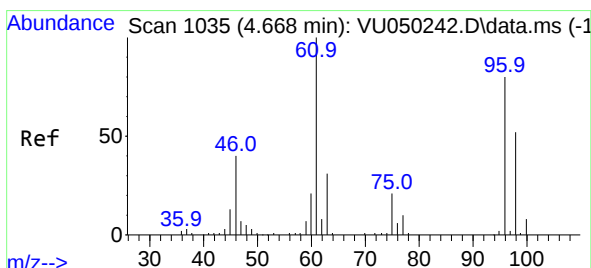
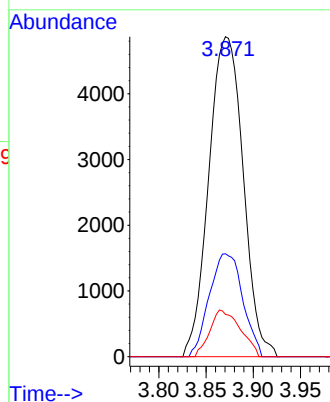
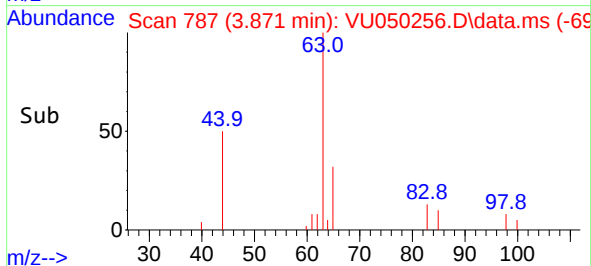


#19  
1,1-Dichloroethane  
Concen: 0.926 ug/L  
RT: 3.871 min Scan# 787  
Delta R.T. -0.000 min  
Lab File: VU050256.D  
Acq: 12 Aug 2022 02:59

Instrument :  
MSVOA\_U  
ClientSampleId :

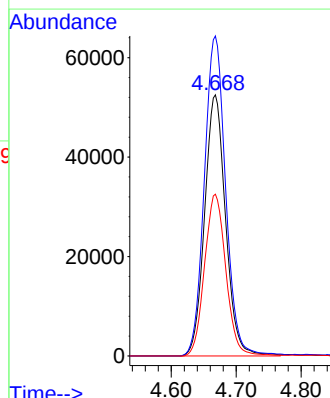
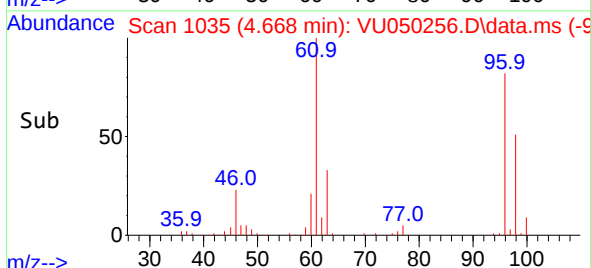
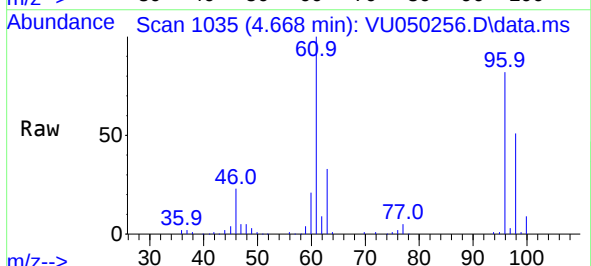


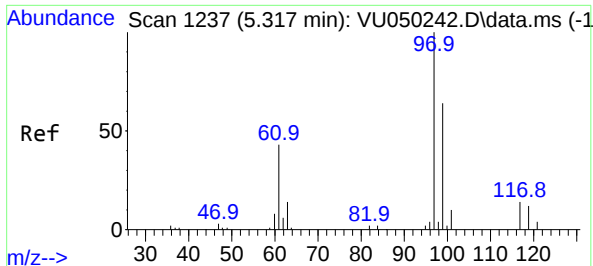
Tgt Ion: 63 Resp: 12316  
Ion Ratio Lower Upper  
63 100  
65 32.2 22.7 42.3  
83 13.2 9.8 18.2



#22  
cis-1,2-Dichloroethene  
Concen: 15.160 ug/L  
RT: 4.668 min Scan# 1035  
Delta R.T. -0.000 min  
Lab File: VU050256.D  
Acq: 12 Aug 2022 02:59

Tgt Ion: 96 Resp: 118199  
Ion Ratio Lower Upper  
96 100  
61 122.6 89.0 165.4  
98 62.0 45.2 84.0

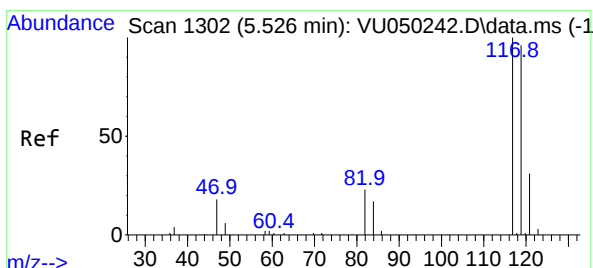
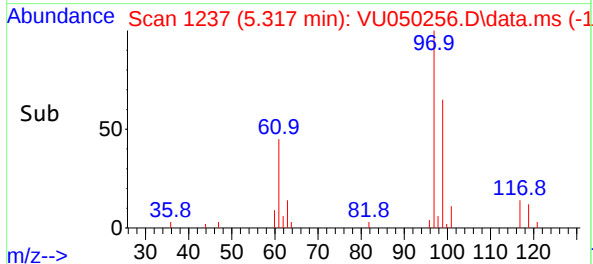
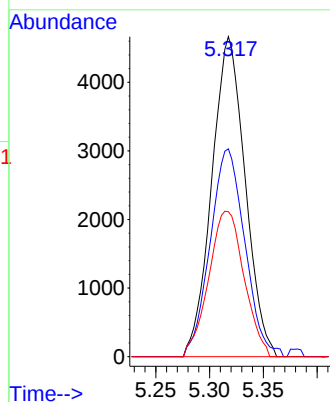
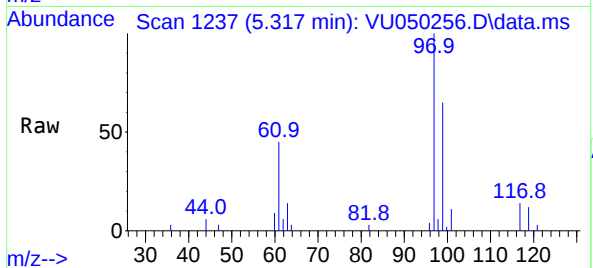




#29  
1,1,1-Trichloroethane  
Concen: 0.895 ug/L  
RT: 5.317 min Scan# 1237  
Delta R.T. -0.000 min  
Lab File: VU050256.D  
Acq: 12 Aug 2022 02:59

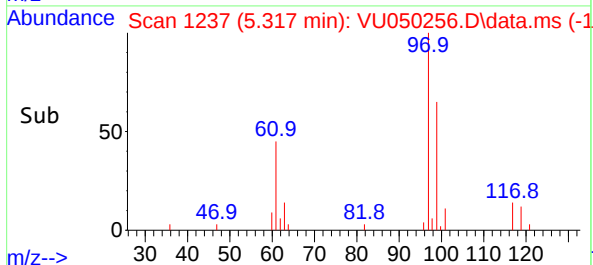
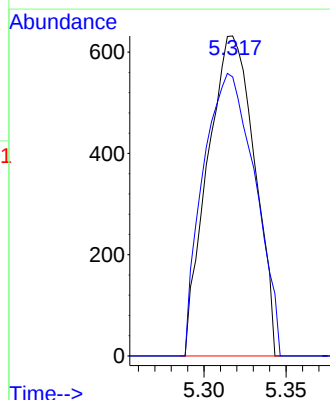
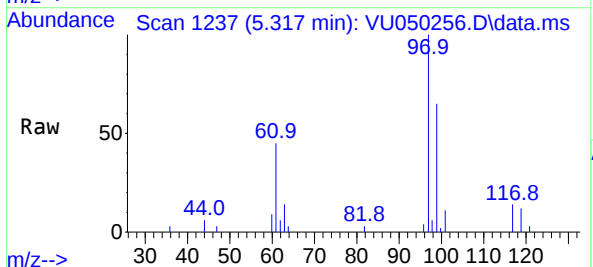
Instrument :  
MSVOA\_U  
ClientSampleId :

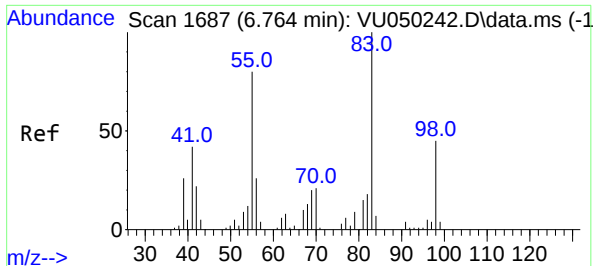
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 10066 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 67.5  | 51.5  | 77.3  |
| 61       | 48.2  | 34.2  | 51.4  |



#31  
Carbon tetrachloride  
Concen: 0.136 ug/L  
RT: 5.317 min Scan# 1237  
Delta R.T. -0.209 min  
Lab File: VU050256.D  
Acq: 12 Aug 2022 02:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 1256  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 97.6  | 76.0  | 114.0 |





#35

Methylcyclohexane

Concen: 1.040 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU050256.D

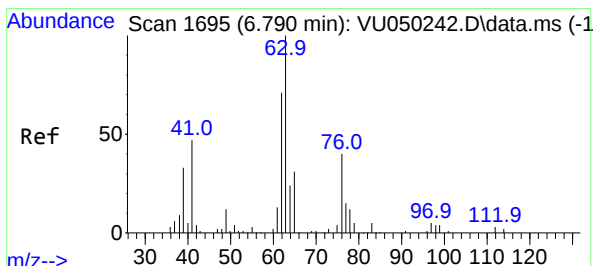
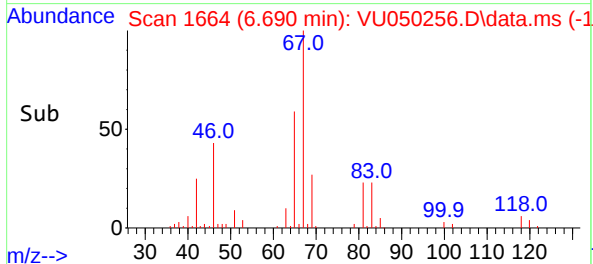
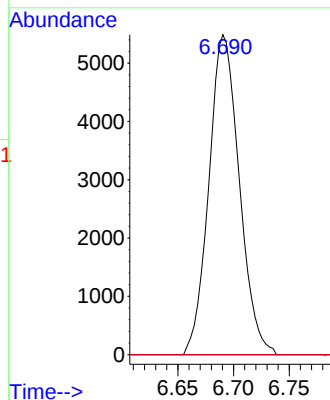
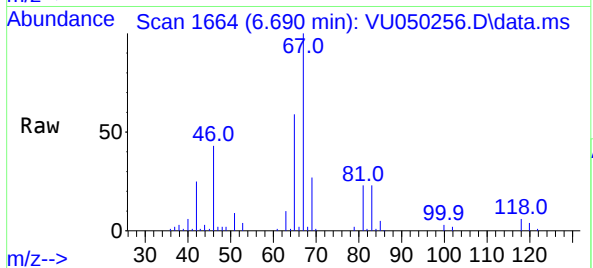
Acq: 12 Aug 2022 02:59

Instrument :

MSVOA\_U

ClientSampleId :

|             |                |
|-------------|----------------|
| Tgt Ion: 83 | Resp: 10428    |
| Ion Ratio   | Lower Upper    |
| 83          | 100            |
| 55          | 0.0 62.7 94.1# |
| 98          | 0.6 36.2 54.2# |



#37

1,2-Dichloropropane

Concen: 0.548 ug/L

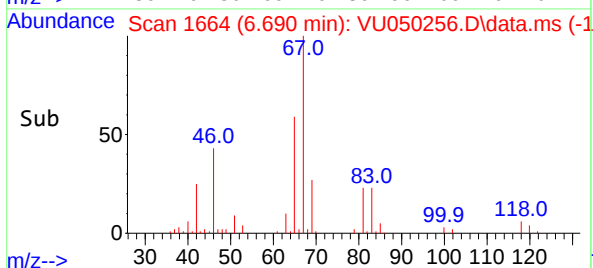
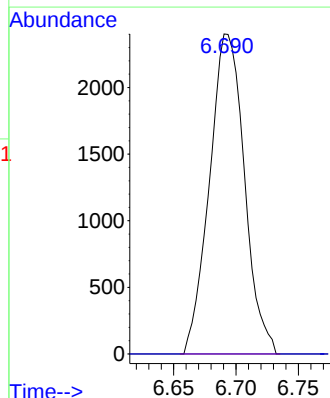
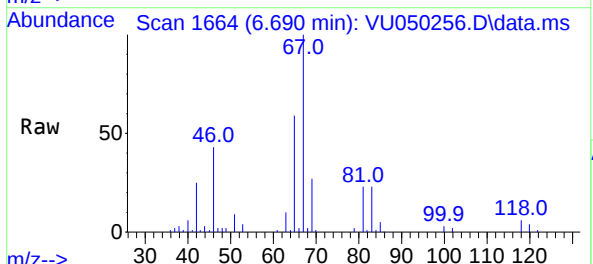
RT: 6.690 min Scan# 1664

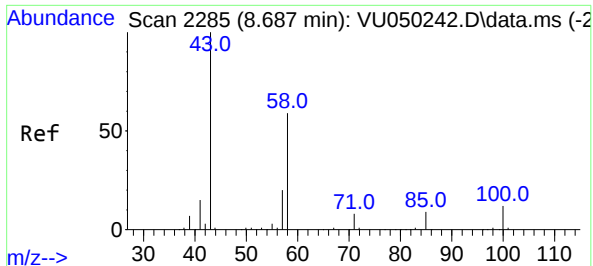
Delta R.T. -0.100 min

Lab File: VU050256.D

Acq: 12 Aug 2022 02:59

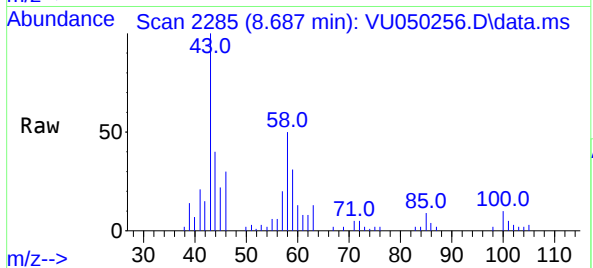
|             |              |
|-------------|--------------|
| Tgt Ion: 63 | Resp: 4688   |
| Ion Ratio   | Lower Upper  |
| 63          | 100          |
| 112         | 0.0 3.0 4.4# |



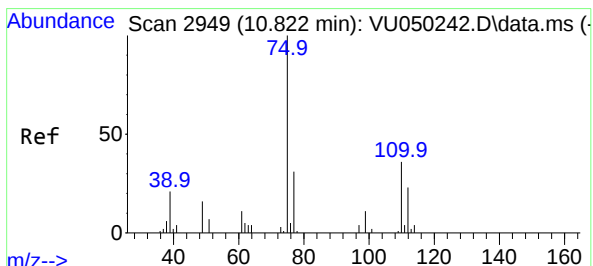
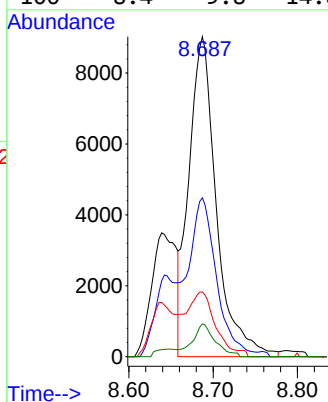
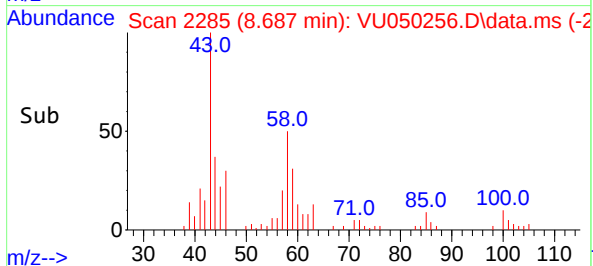


#48  
2-Hexanone  
Concen: 5.355 ug/L  
RT: 8.687 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU050256.D  
Acq: 12 Aug 2022 02:59

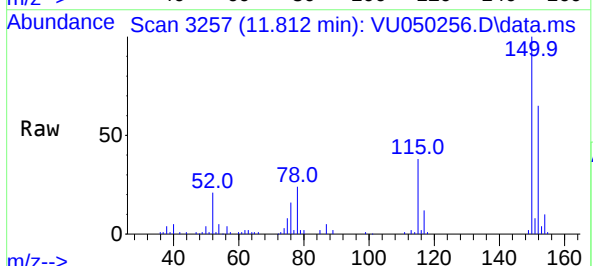
Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion: 43 Resp: 20531  
Ion Ratio Lower Upper  
43 100  
58 44.4 50.6 76.0#  
57 19.7 16.0 24.0  
100 8.4 9.8 14.8#



#61  
1,2,3-Trichloropropane  
Concen: 0.939 ug/L  
RT: 11.812 min Scan# 3257  
Delta R.T. 0.990 min  
Lab File: VU050256.D  
Acq: 12 Aug 2022 02:59



Tgt Ion: 75 Resp: 4361  
Ion Ratio Lower Upper  
75 100  
110 0.0 28.5 42.7#  
77 29.8 25.8 38.6

