

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU112222\  
 Data File : VU052052.D  
 Acq On : 22 Nov 2022 20:13  
 Operator : JC/MD  
 Sample : N5684-10DL 5X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Nov 23 00:50:07 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Nov 19 21:39:41 2022  
 Response via : Initial Calibration

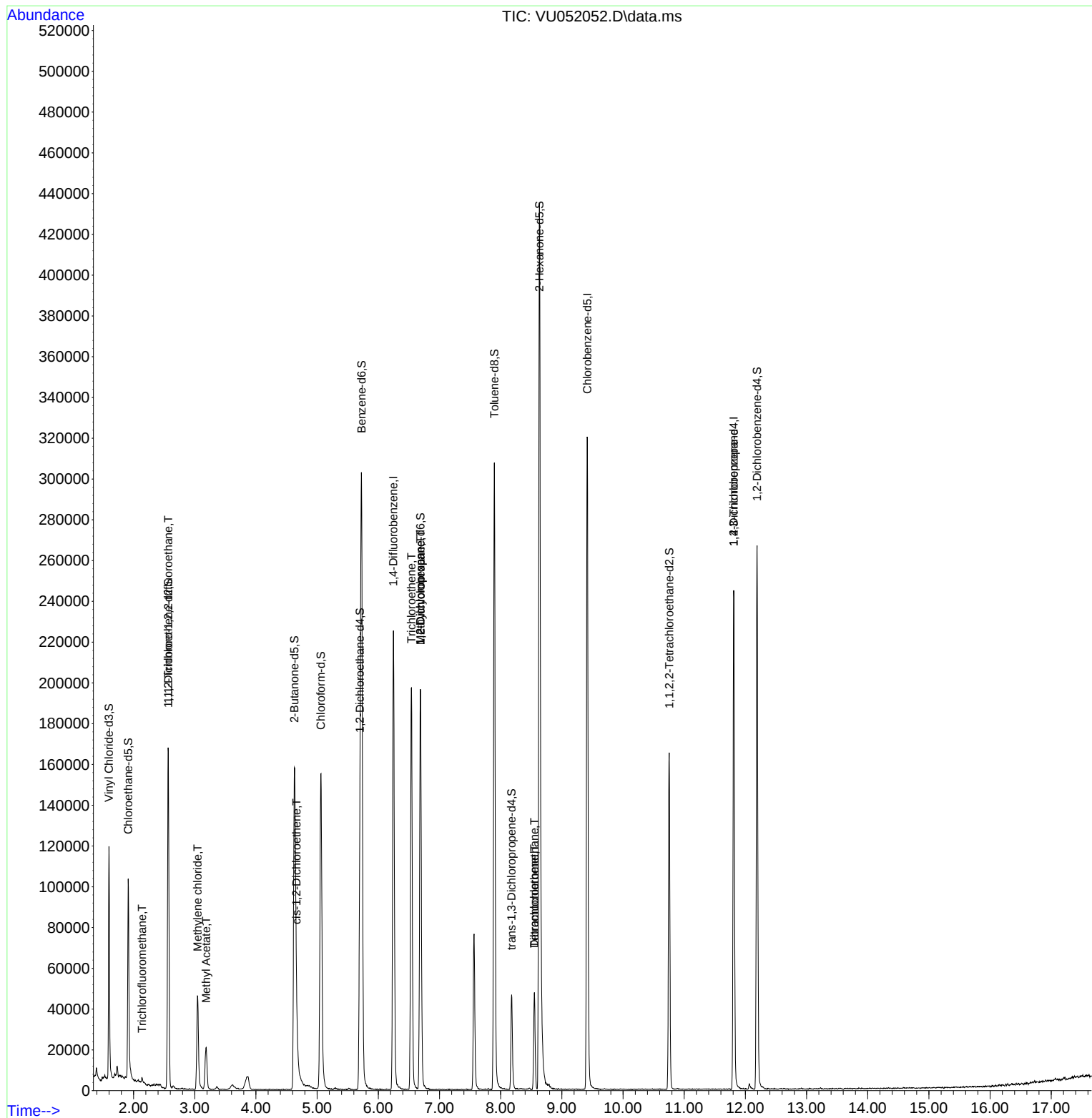
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 6.247  | 114            | 185931   | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.417  | 117            | 187489   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809 | 152            | 68795    | 5.000  | ug/L     | 0.00     |
|                               |        |                |          |        |          |          |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.597  | 65             | 87812    | 4.855  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 97.200%  |          |
| 7) Chloroethane-d5            | 1.913  | 69             | 77981    | 5.551  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 111.000% |          |
| 11) 1,1-Dichloroethene-d2     | 2.565  | 65             | 31291    | 4.827  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 96.600%  |          |
| 20) 2-Butanone-d5             | 4.629  | 46             | 211281   | 64.450 | ug/L     | 0.01     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 128.900% |          |
| 24) Chloroform-d              | 5.060  | 84             | 150405   | 5.660  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 113.200% |          |
| 26) 1,2-Dichloroethane-d4     | 5.700  | 65             | 81907    | 6.102  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 122.000% |          |
| 32) Benzene-d6                | 5.726  | 84             | 296567   | 5.328  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 106.600% |          |
| 36) 1,2-Dichloropropane-d6    | 6.687  | 67             | 102096   | 5.927  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 118.600% |          |
| 41) Toluene-d8                | 7.896  | 98             | 216160   | 4.292  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 85.800%  |          |
| 43) trans-1,3-Dichloroprop... | 8.179  | 79             | 27365    | 4.359  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 87.200%  |          |
| 46) 2-Hexanone-d5             | 8.633  | 63             | 151879   | 57.092 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 114.180% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.755 | 84             | 85969    | 5.756  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 115.200% |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.192 | 152            | 74655    | 5.668  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 113.400% |          |
|                               |        |                |          |        |          |          |
| Target Compounds              |        |                |          |        |          | Qvalue   |
| 9) Trichlorofluoromethane     | 2.138  | 101            | 1527     | 0.069  | ug/L #   | 72       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.568  | 101            | 1068     | 0.079  | ug/L #   | 20       |
| 15) Methyl Acetate            | 3.186  | 43             | 1676     | 0.290  | ug/L #   | 48       |
| 16) Methylene chloride        | 3.044  | 84             | 25078    | 1.374  | ug/L     | 99       |
| 22) cis-1,2-Dichloroethene    | 4.662  | 96             | 2588     | 0.171  | ug/L     | 96       |
| 34) Trichloroethene           | 6.539  | 95             | 71869    | 4.722  | ug/L     | 99       |
| 35) Methylcyclohexane         | 6.687  | 83             | 22585    | 1.032  | ug/L #   | 20       |
| 37) 1,2-Dichloropropane       | 6.687  | 63             | 10074    | 0.638  | ug/L #   | 89       |
| 47) Tetrachloroethene         | 8.552  | 164            | 11271    | 0.966  | ug/L     | 97       |
| 49) Dibromochloromethane      | 8.552  | 129            | 11021    | 0.829  | ug/L #   | 12       |
| 61) 1,2,3-Trichloropropane    | 11.809 | 75             | 8713     | 1.107  | ug/L #   | 67       |
| -----                         |        |                |          |        |          |          |

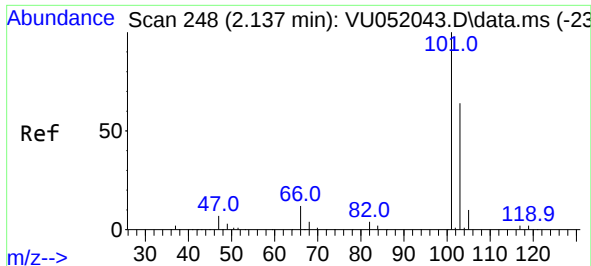
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Sat Nov 19 21:39:41 2022  
Response via : Initial Calibration

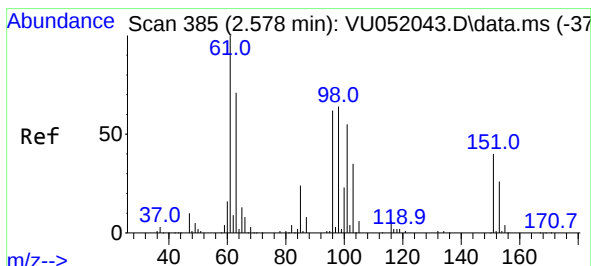
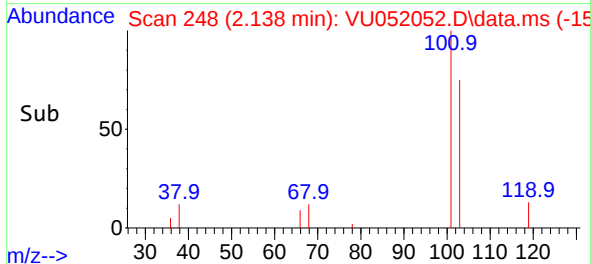
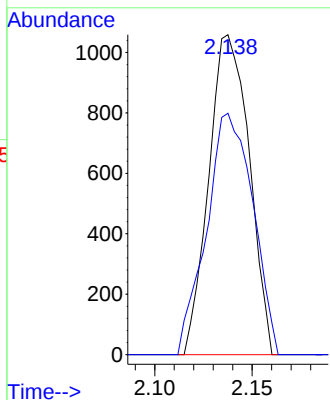
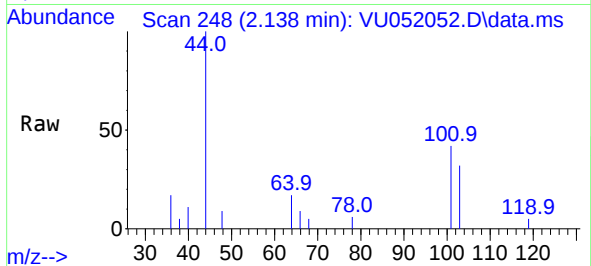




#9  
 Trichlorofluoromethane  
 Concen: 0.069 ug/L  
 RT: 2.138 min Scan# 24  
 Delta R.T. 0.003 min  
 Lab File: VU052052.D  
 Acq: 22 Nov 2022 20:13

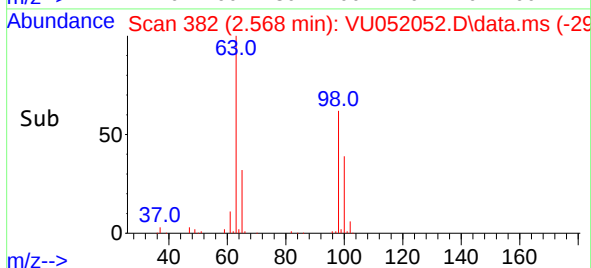
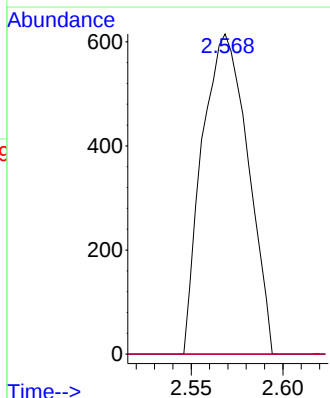
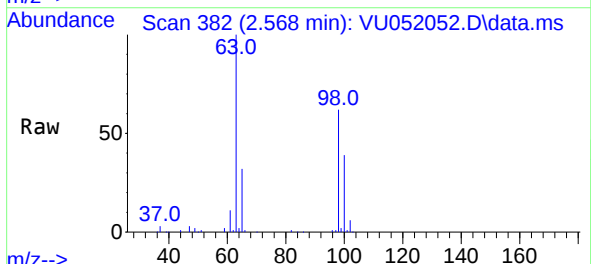
Instrument :  
 MSVOA\_U  
 ClientSampleId :

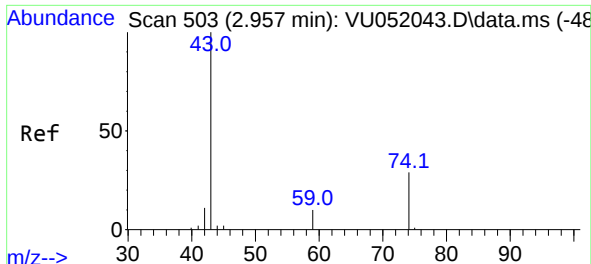
Tgt Ion:101 Resp: 1527  
 Ion Ratio Lower Upper  
 101 100  
 103 86.4 51.6 77.4#



#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.079 ug/L  
 RT: 2.568 min Scan# 382  
 Delta R.T. -0.009 min  
 Lab File: VU052052.D  
 Acq: 22 Nov 2022 20:13

Tgt Ion:101 Resp: 1068  
 Ion Ratio Lower Upper  
 101 100  
 85 0.0 33.8 50.6#  
 151 0.0 58.6 88.0#





#15

Methyl Acetate

Concen: 0.290 ug/L

RT: 3.186 min Scan# 51

Delta R.T. 0.238 min

Lab File: VU052052.D

Acq: 22 Nov 2022 20:13

Instrument :

MSVOA\_U

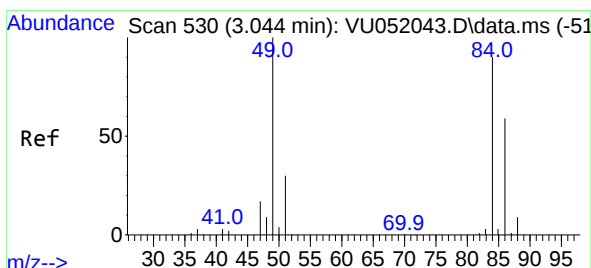
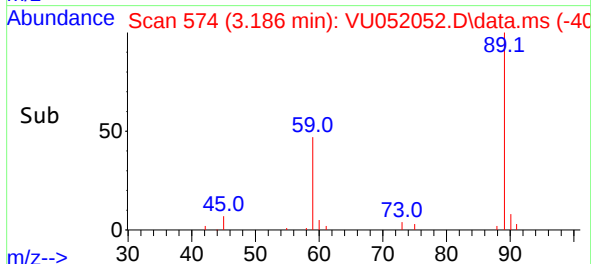
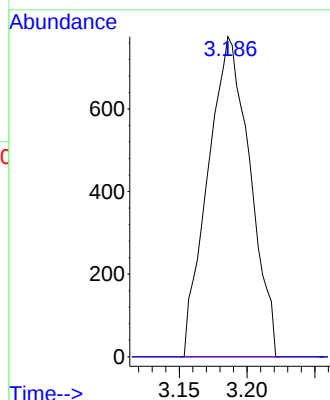
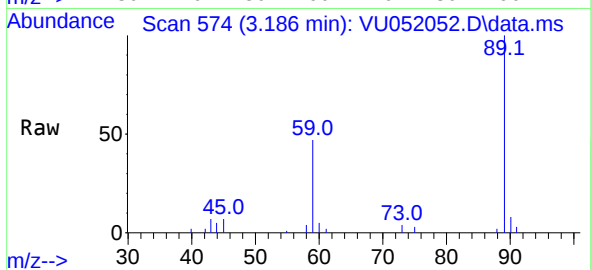
ClientSampleId :

Tgt Ion: 43 Resp: 1676

Ion Ratio Lower Upper

43 100

74 0.0 21.3 31.9#



#16

Methylene chloride

Concen: 1.374 ug/L

RT: 3.044 min Scan# 530

Delta R.T. 0.000 min

Lab File: VU052052.D

Acq: 22 Nov 2022 20:13

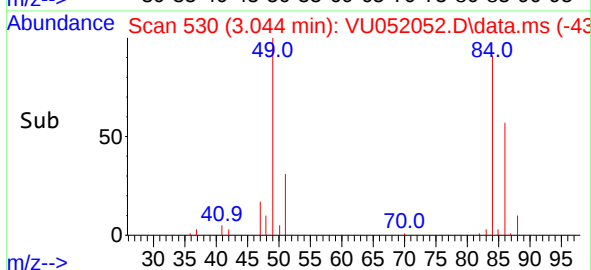
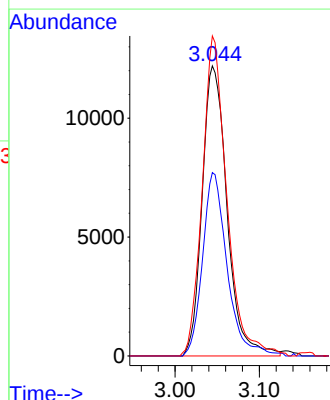
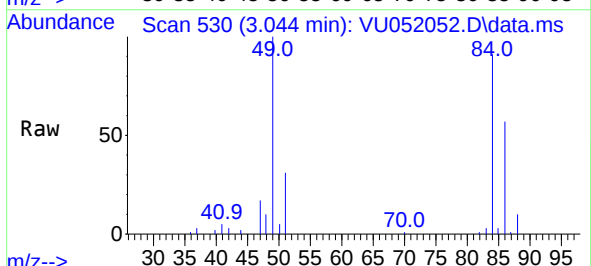
Tgt Ion: 84 Resp: 25078

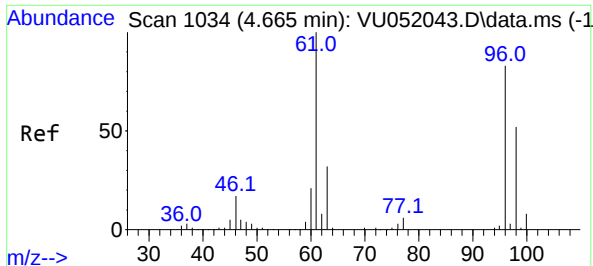
Ion Ratio Lower Upper

84 100

86 63.2 43.8 81.4

49 110.3 75.9 141.1





#22

cis-1,2-Dichloroethene

Concen: 0.171 ug/L

RT: 4.662 min Scan# 1034

Delta R.T. -0.003 min

Lab File: VU052052.D

Acq: 22 Nov 2022 20:13

Instrument :

MSVOA\_U

ClientSampleId :

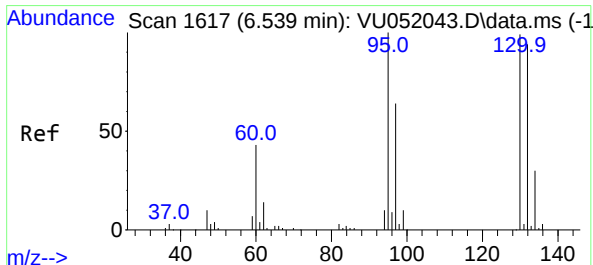
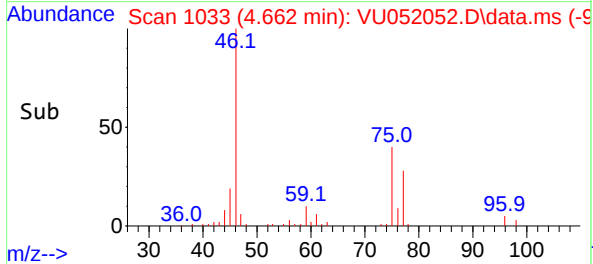
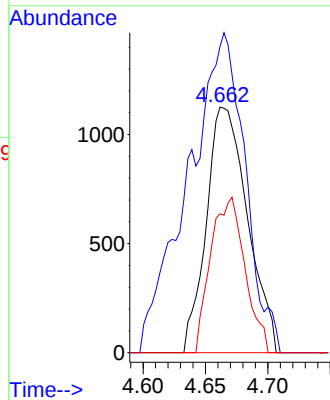
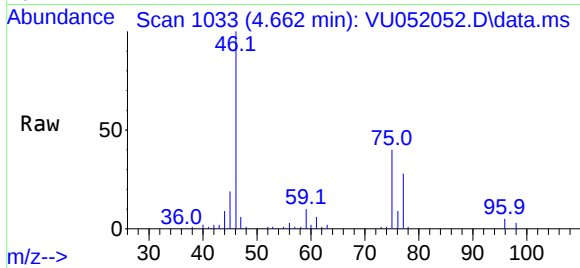
Tgt Ion: 96 Resp: 2588

Ion Ratio Lower Upper

96 100

61 124.7 85.1 158.1

98 56.6 42.8 79.6



#34

Trichloroethene

Concen: 4.722 ug/L

RT: 6.539 min Scan# 1617

Delta R.T. 0.000 min

Lab File: VU052052.D

Acq: 22 Nov 2022 20:13

Tgt Ion: 95 Resp: 71869

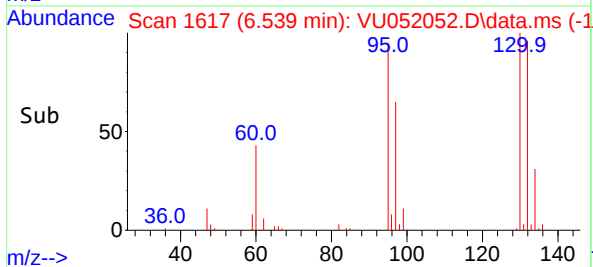
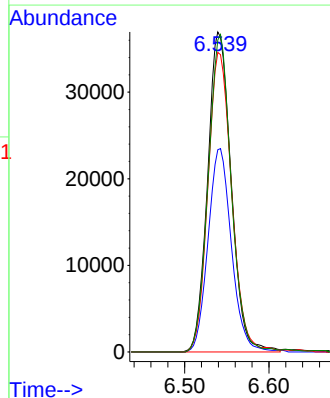
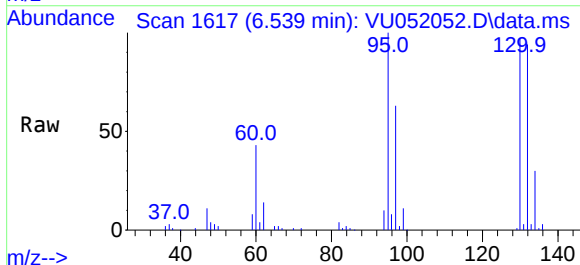
Ion Ratio Lower Upper

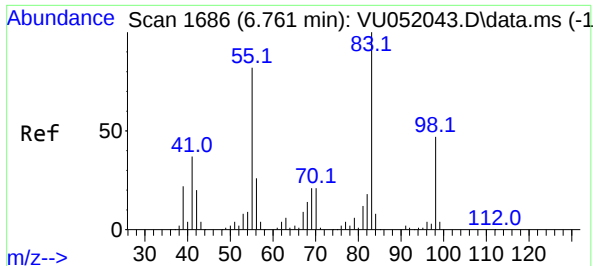
95 100

97 63.2 43.7 81.1

132 93.6 64.3 119.3

130 97.4 67.3 124.9





#35

Methylcyclohexane

Concen: 1.032 ug/L

RT: 6.687 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU052052.D

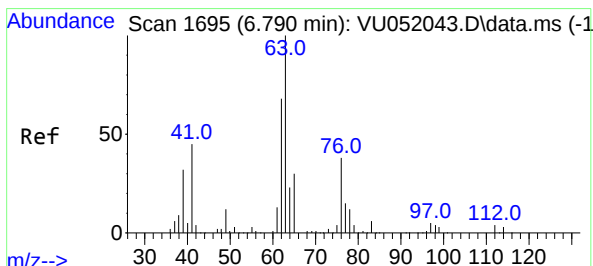
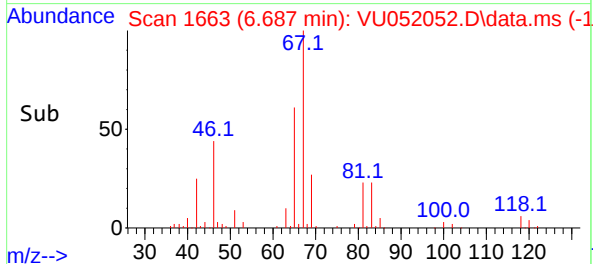
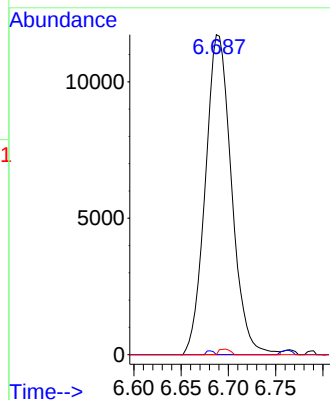
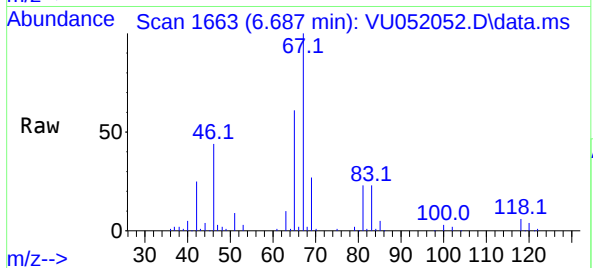
Acq: 22 Nov 2022 20:13

Instrument :

MSVOA\_U

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 22585 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 0.3   | 60.8  | 91.2# |
| 98       | 0.7   | 35.1  | 52.7# |



#37

1,2-Dichloropropane

Concen: 0.638 ug/L

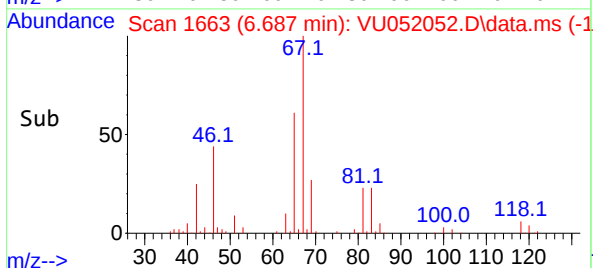
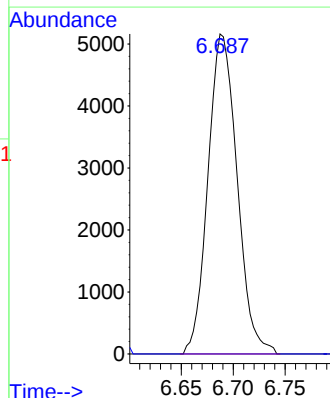
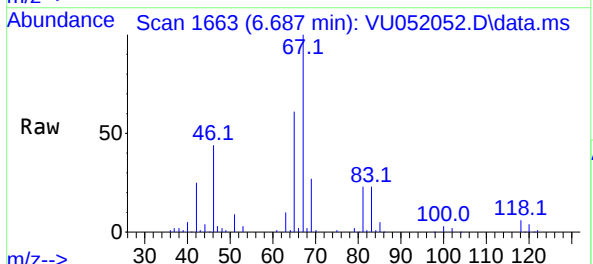
RT: 6.687 min Scan# 1663

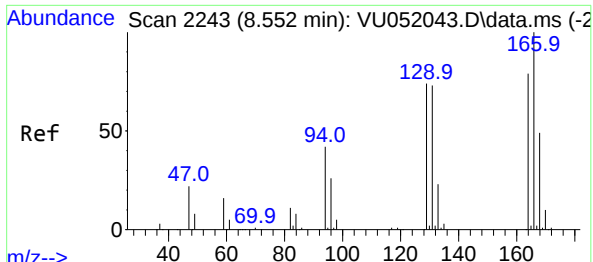
Delta R.T. -0.099 min

Lab File: VU052052.D

Acq: 22 Nov 2022 20:13

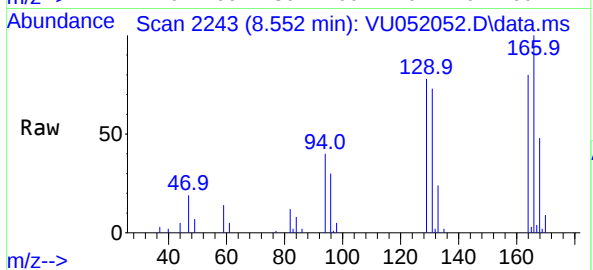
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 10074 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 112      | 0.4   | 3.3   | 4.9#  |



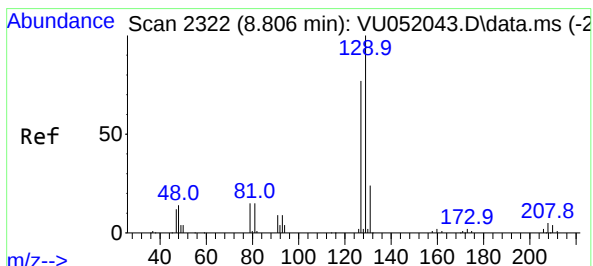
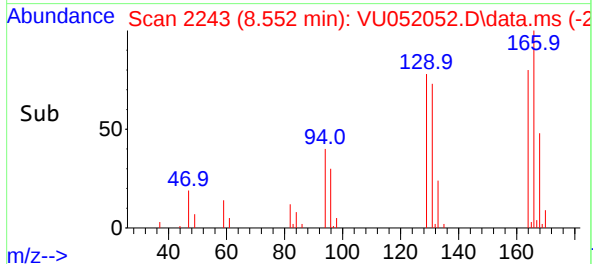
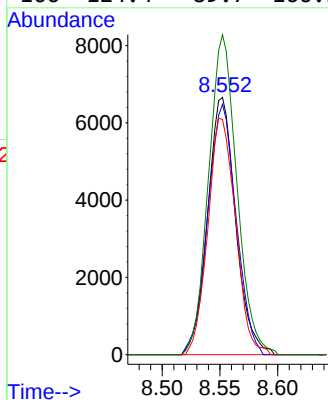


#47  
Tetrachloroethene  
Concen: 0.966 ug/L  
RT: 8.552 min Scan# 2243  
Delta R.T. 0.000 min  
Lab File: VU052052.D  
Acq: 22 Nov 2022 20:13

Instrument :  
MSVOA\_U  
ClientSampleId :

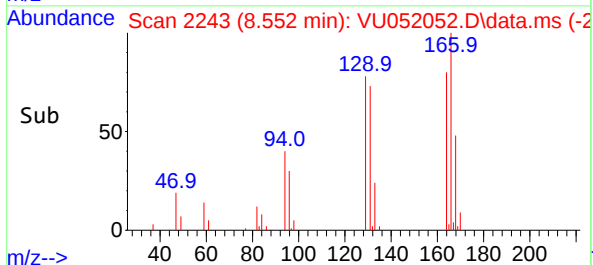
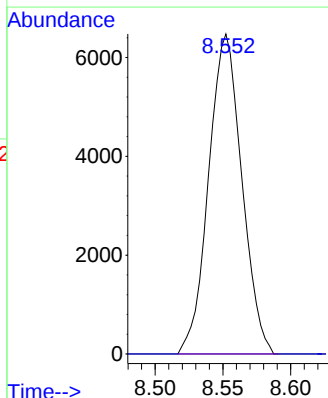
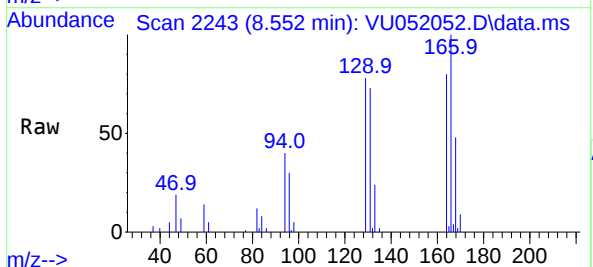


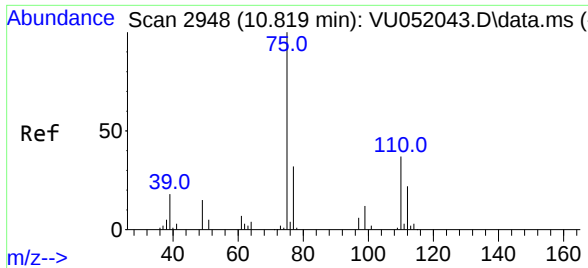
Tgt Ion:164 Resp: 11271  
Ion Ratio Lower Upper  
164 100  
129 97.3 67.4 125.2  
131 91.4 67.1 124.7  
166 124.4 89.7 166.5



#49  
Dibromochloromethane  
Concen: 0.829 ug/L  
RT: 8.552 min Scan# 2243  
Delta R.T. -0.254 min  
Lab File: VU052052.D  
Acq: 22 Nov 2022 20:13

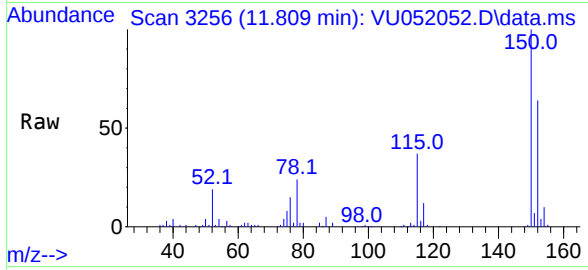
Tgt Ion:129 Resp: 11021  
Ion Ratio Lower Upper  
129 100  
127 0.0 52.8 98.2#





#61  
 1,2,3-Trichloropropane  
 Concen: 1.107 ug/L  
 RT: 11.809 min Scan# 31  
 Delta R.T. 0.990 min  
 Lab File: VU052052.D  
 Acq: 22 Nov 2022 20:13

Instrument :  
 MSVOA\_U  
 ClientSampleId :



Tgt Ion: 75 Resp: 8713

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 110 | 1.4   | 28.3  | 42.5# |
| 77  | 30.0  | 26.2  | 39.2  |

