

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU121322\  
 Data File : VU052387.D  
 Acq On : 13 Dec 2022 19:05  
 Operator : JC/MD  
 Sample : N6034-04  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 COL33

Quant Time: Dec 14 03:22:16 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Dec 14 03:17:56 2022  
 Response via : Initial Calibration

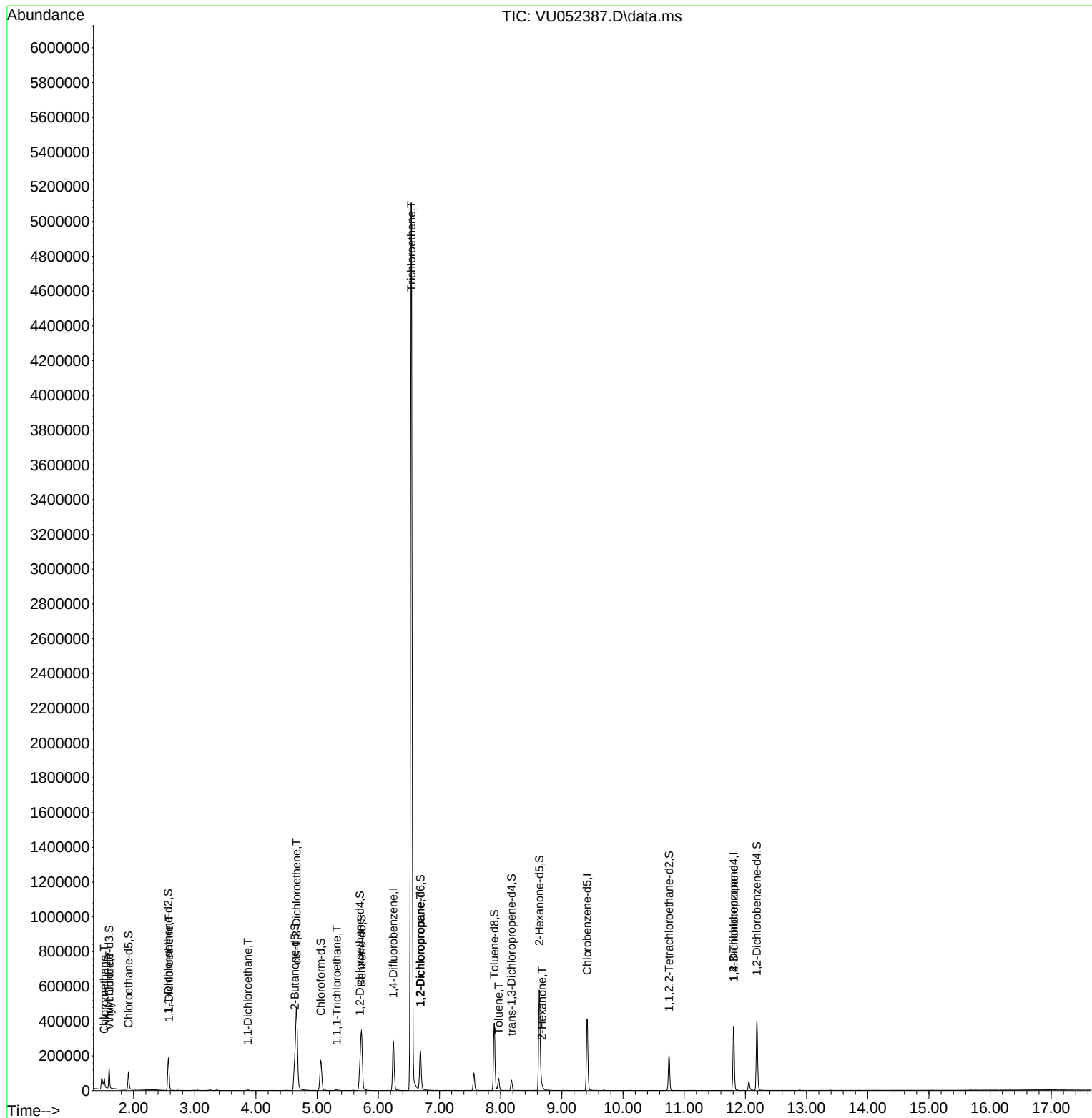
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.247  | 114   | 235318   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.414  | 117   | 240008   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809 | 152   | 105220   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.601  | 65    | 80540    | 3.519    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 70.400%  |
| 7) Chloroethane-d5            | 1.916  | 69    | 76197    | 4.286    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 85.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.568  | 65    | 34011    | 4.145    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 83.000%  |
| 20) 2-Butanone-d5             | 4.636  | 46    | 268674   | 64.756   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 129.520% |
| 24) Chloroform-d              | 5.060  | 84    | 166936   | 4.964    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 99.200%  |
| 26) 1,2-Dichloroethane-d4     | 5.700  | 65    | 90207    | 5.310    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 106.200% |
| 32) Benzene-d6                | 5.726  | 84    | 339118   | 4.759    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 95.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.687  | 67    | 116003   | 5.261    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 105.200% |
| 41) Toluene-d8                | 7.896  | 98    | 272795   | 4.231    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 84.600%  |
| 43) trans-1,3-Dichloroprop... | 8.176  | 79    | 36059    | 4.487    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 89.800%  |
| 46) 2-Hexanone-d5             | 8.633  | 63    | 202447   | 59.448   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 118.900% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751 | 84    | 105455   | 5.516    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 110.400% |
| 66) 1,2-Dichlorobenzene-d4    | 12.189 | 152   | 112464   | 5.583    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 111.600% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 3) Chloromethane              | 1.520  | 50    | 35788    | 1.344    | ug/L   | 99       |
| 5) Vinyl chloride             | 1.607  | 62    | 5921     | 0.231    | ug/L # | 1        |
| 12) 1,1-Dichloroethene        | 2.578  | 96    | 5341     | 0.313    | ug/L # | 1        |
| 19) 1,1-Dichloroethane        | 3.867  | 63    | 5091     | 0.154    | ug/L   | 97       |
| 22) cis-1,2-Dichloroethene    | 4.665  | 96    | 224820   | 11.707   | ug/L   | 98       |
| 29) 1,1,1-Trichloroethane     | 5.321  | 97    | 3690     | 0.139    | ug/L # | 89       |
| 34) Trichloroethene           | 6.539  | 95    | 1814394  | 93.131   | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 6.691  | 63    | 11932    | 0.590    | ug/L # | 89       |
| 42) Toluene                   | 7.967  | 91    | 51733    | 0.644    | ug/L   | 99       |
| 48) 2-Hexanone                | 8.678  | 43    | 6830     | 0.882    | ug/L # | 69       |
| 61) 1,2,3-Trichloropropane    | 11.809 | 75    | 12241    | 1.016    | ug/L # | 68       |
| -----                         |        |       |          |          |        |          |

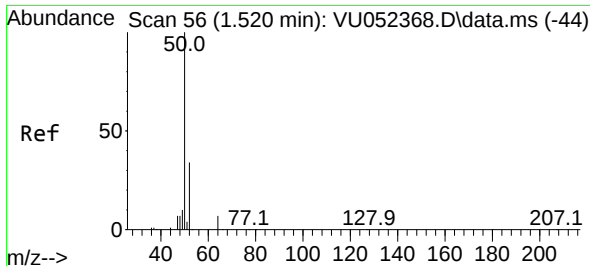
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : N6034-04  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0L33

Quant Time: Dec 14 03:22:16 2022  
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QLast Update : Wed Dec 14 03:17:56 2022  
Response via : Initial Calibration

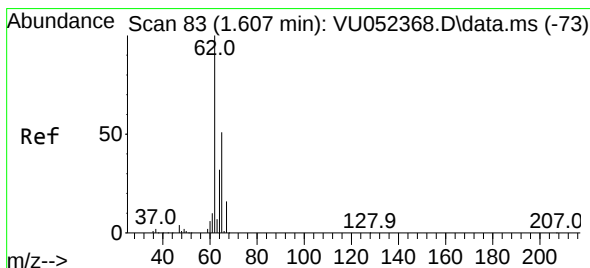
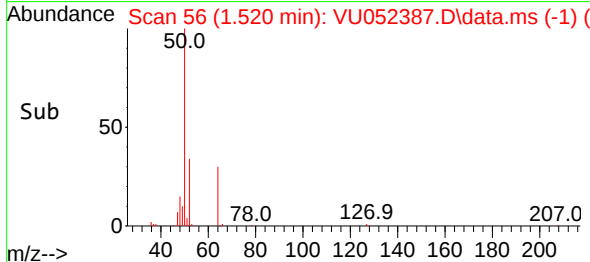
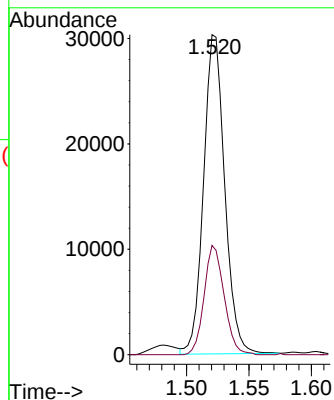
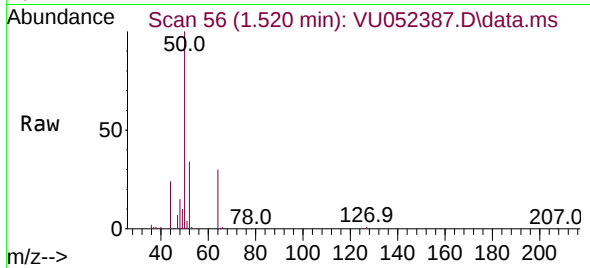




#3  
Chloromethane  
Concen: 1.344 ug/L  
RT: 1.520 min Scan# 50  
Delta R.T. 0.000 min  
Lab File: VU052387.D  
Acq: 13 Dec 2022 19:05

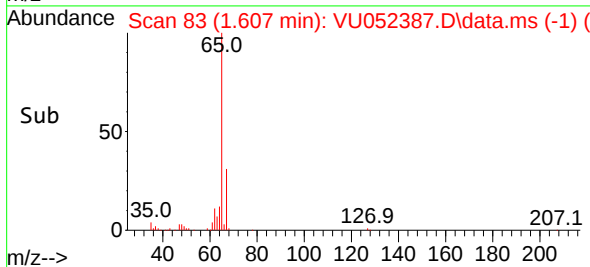
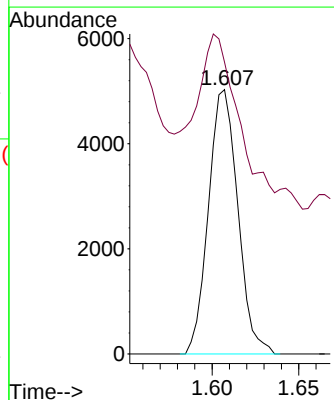
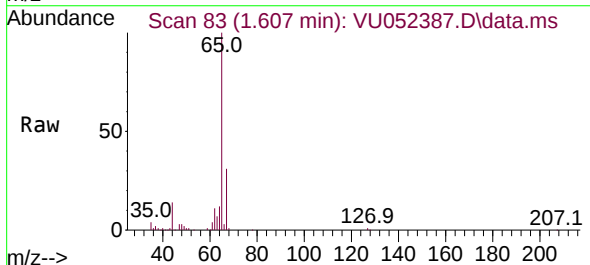
Instrument :  
MSVOA\_U  
ClientSampleId :  
COL33

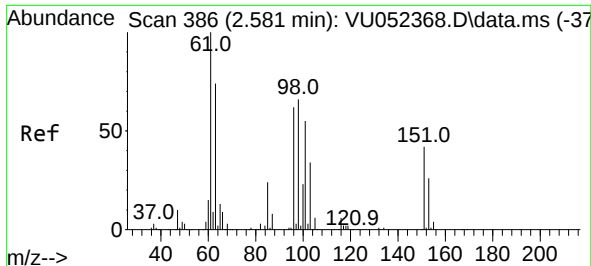
Tgt Ion: 50 Resp: 35788  
Ion Ratio Lower Upper  
50 100  
52 34.2 23.4 43.4



#5  
Vinyl chloride  
Concen: 0.231 ug/L  
RT: 1.607 min Scan# 83  
Delta R.T. 0.000 min  
Lab File: VU052387.D  
Acq: 13 Dec 2022 19:05

Tgt Ion: 62 Resp: 5921  
Ion Ratio Lower Upper  
62 100  
64 110.4 23.5 43.7#





#12

1,1-Dichloroethene

Concen: 0.313 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.003 min

Lab File: VU052387.D

Acq: 13 Dec 2022 19:05

Instrument :

MSVOA\_U

ClientSampleId :

COL33

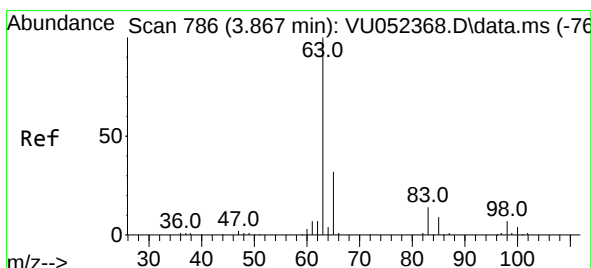
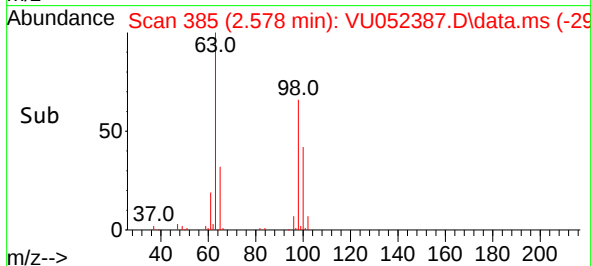
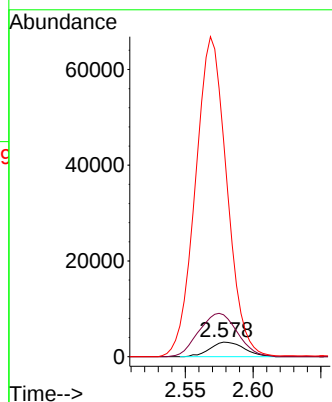
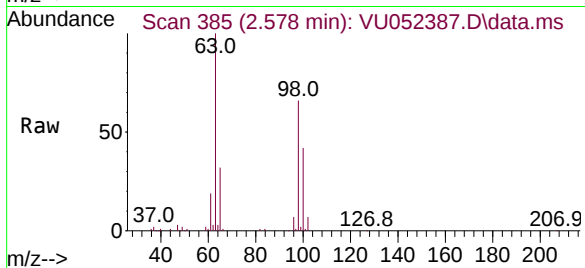
Tgt Ion: 96 Resp: 5341

Ion Ratio Lower Upper

96 100

61 289.0 114.8 213.2#

63 1496.4 93.7 174.1#



#19

1,1-Dichloroethane

Concen: 0.154 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.000 min

Lab File: VU052387.D

Acq: 13 Dec 2022 19:05

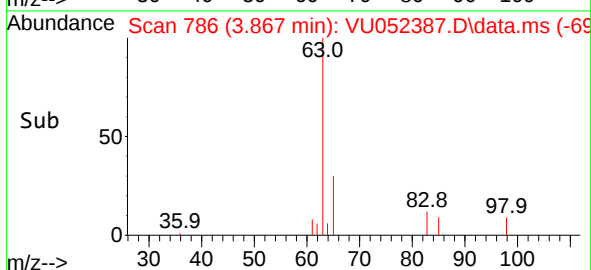
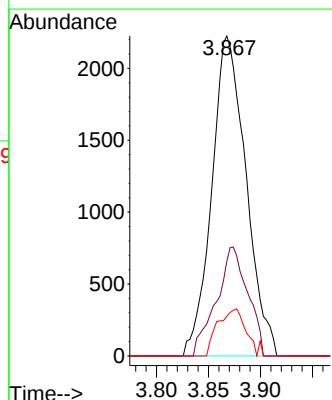
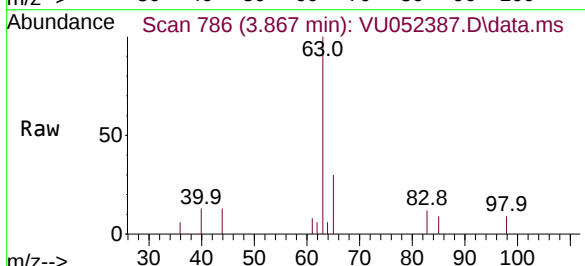
Tgt Ion: 63 Resp: 5091

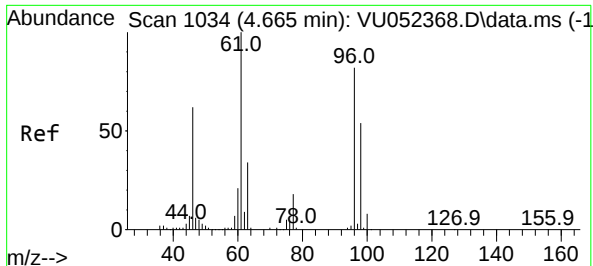
Ion Ratio Lower Upper

63 100

65 29.5 22.2 41.2

83 12.4 9.2 17.0





#22

cis-1,2-Dichloroethene

Concen: 11.707 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU052387.D

Acq: 13 Dec 2022 19:05

Instrument :

MSVOA\_U

ClientSampleId :

COL33

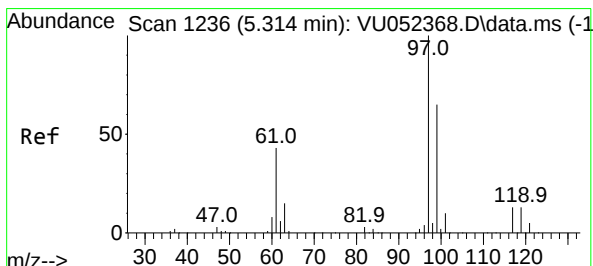
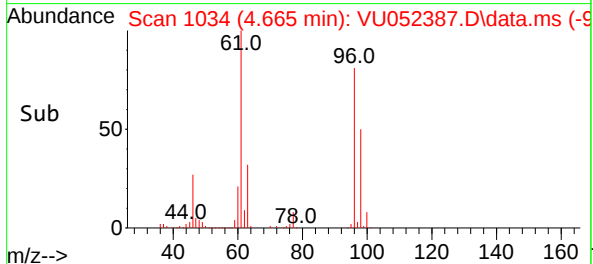
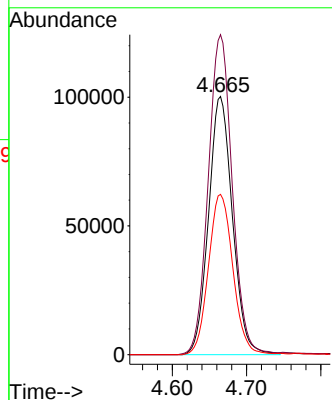
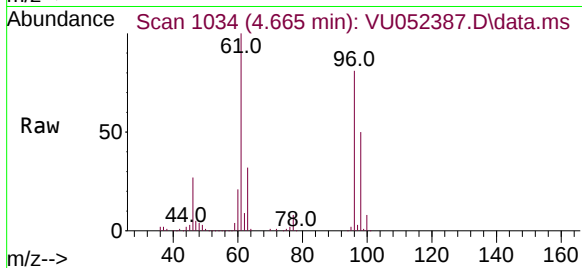
Tgt Ion: 96 Resp: 224820

Ion Ratio Lower Upper

96 100

61 123.9 85.1 158.1

98 62.1 42.8 79.6



#29

1,1,1-Trichloroethane

Concen: 0.139 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.007 min

Lab File: VU052387.D

Acq: 13 Dec 2022 19:05

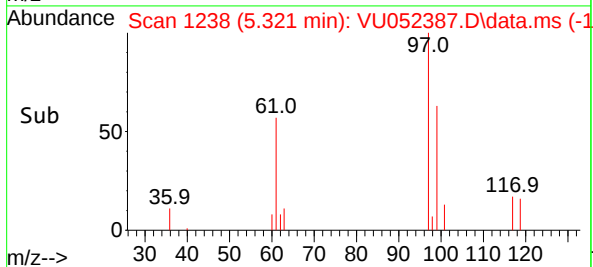
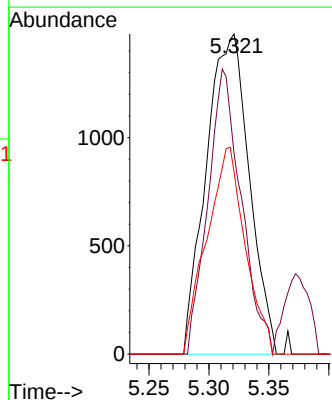
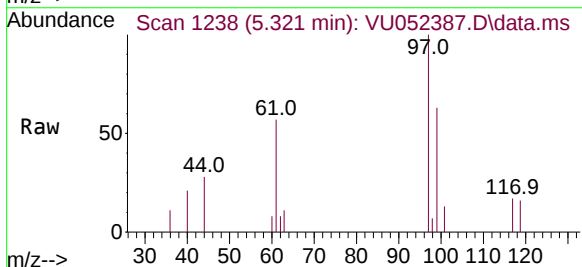
Tgt Ion: 97 Resp: 3690

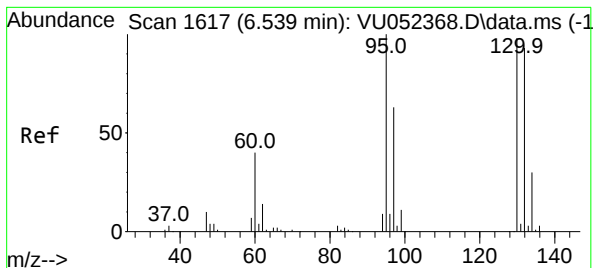
Ion Ratio Lower Upper

97 100

99 68.9 51.0 76.6

61 57.6 36.9 55.3#





#34

Trichloroethene

Concen: 93.131 ug/L

RT: 6.539 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU052387.D

Acq: 13 Dec 2022 19:05

Instrument :

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ClientSampleId :

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Tgt Ion: 95 Resp: 1814394

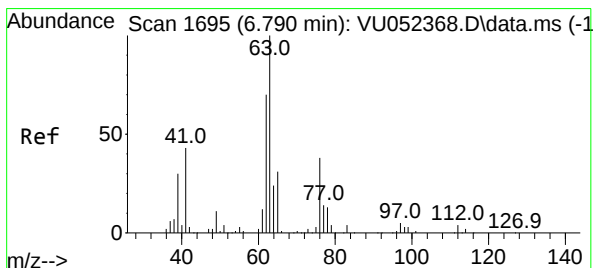
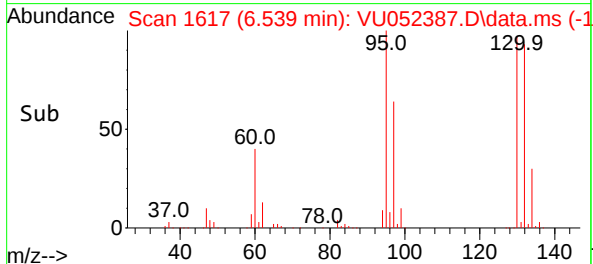
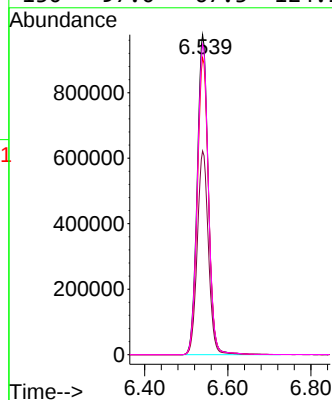
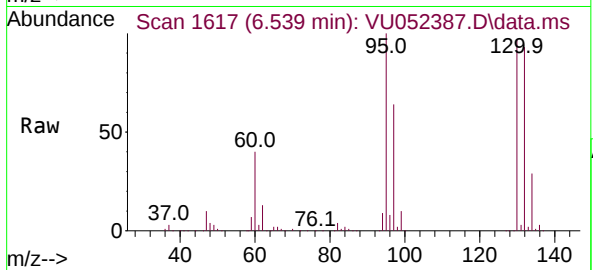
Ion Ratio Lower Upper

95 100

97 63.7 43.7 81.1

132 92.8 64.3 119.3

130 97.0 67.3 124.9



#37

1,2-Dichloropropane

Concen: 0.590 ug/L

RT: 6.691 min Scan# 1664

Delta R.T. -0.099 min

Lab File: VU052387.D

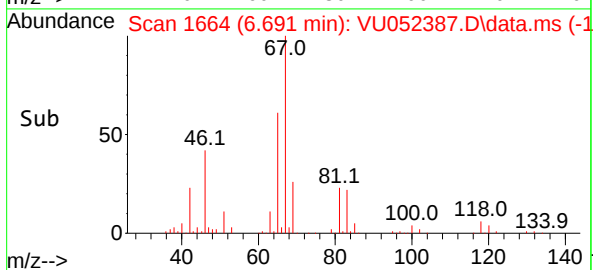
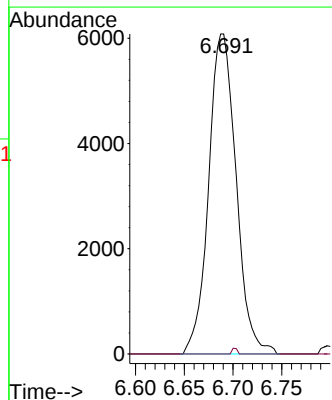
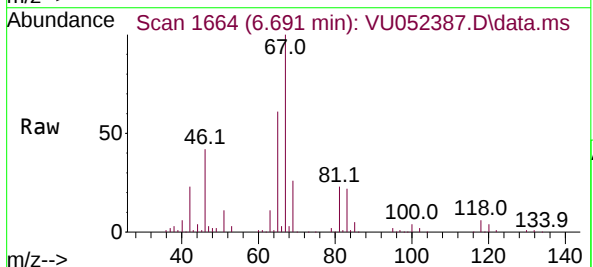
Acq: 13 Dec 2022 19:05

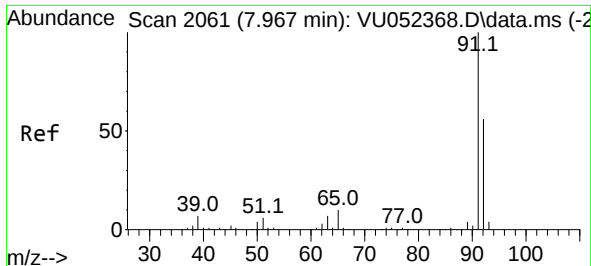
Tgt Ion: 63 Resp: 11932

Ion Ratio Lower Upper

63 100

112 0.3 3.3 4.9#





#42

Toluene

Concen: 0.644 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU052387.D

Acq: 13 Dec 2022 19:05

Instrument :

MSVOA\_U

ClientSampleId :

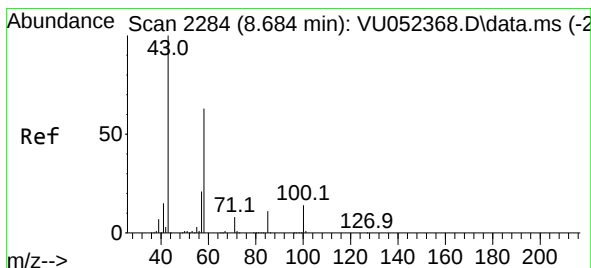
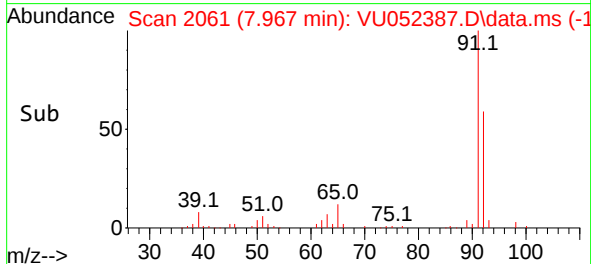
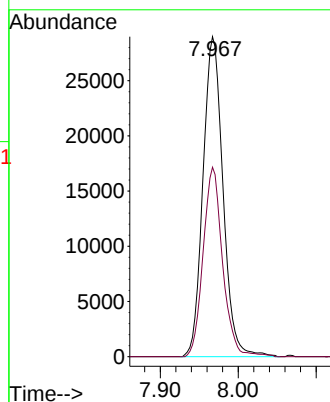
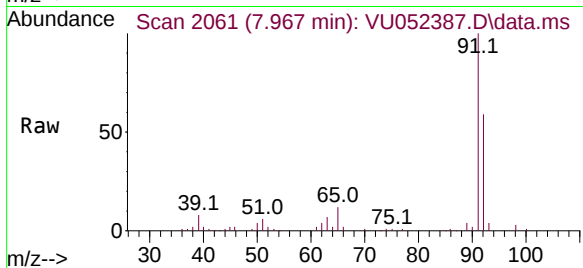
COL33

Tgt Ion: 91 Resp: 51733

Ion Ratio Lower Upper

91 100

92 59.2 40.7 75.5



#48

2-Hexanone

Concen: 0.882 ug/L

RT: 8.678 min Scan# 2282

Delta R.T. -0.006 min

Lab File: VU052387.D

Acq: 13 Dec 2022 19:05

Tgt Ion: 43 Resp: 6830

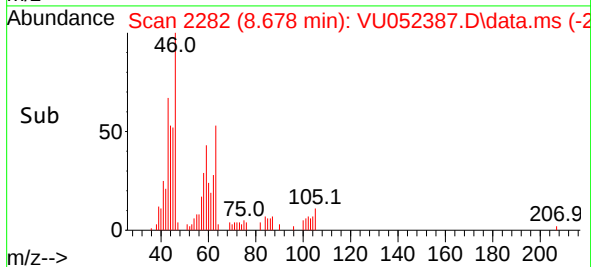
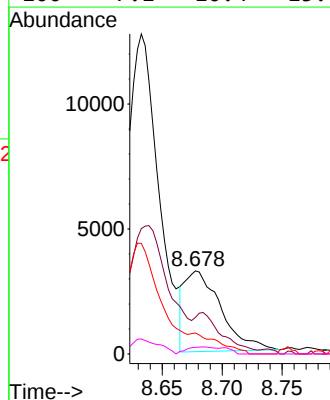
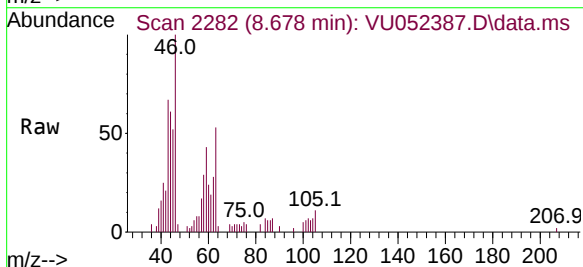
Ion Ratio Lower Upper

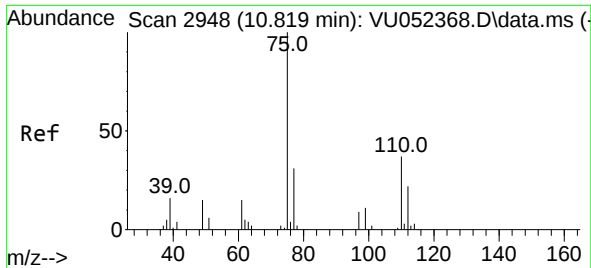
43 100

58 38.5 49.4 74.0#

57 0.0 16.3 24.5#

100 7.1 10.4 15.6#





#61  
 1,2,3-Trichloropropane  
 Concen: 1.016 ug/L  
 RT: 11.809 min Scan# 31  
 Delta R.T. 0.991 min  
 Lab File: VU052387.D  
 Acq: 13 Dec 2022 19:05

Instrument :  
 MSVOA\_U  
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Tgt Ion: 75 Resp: 12241  
 Ion Ratio Lower Upper  
 75 100  
 110 2.0 28.3 42.5#  
 77 29.8 26.2 39.2

