

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011822\  
 Data File : VU046786.D  
 Acq On : 18 Jan 2022 16:56  
 Operator : SY/MD  
 Sample : N1179-02  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0HJ3

Quant Time: Jan 19 07:42:38 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR011822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Jan 19 06:55:47 2022  
 Response via : Initial Calibration

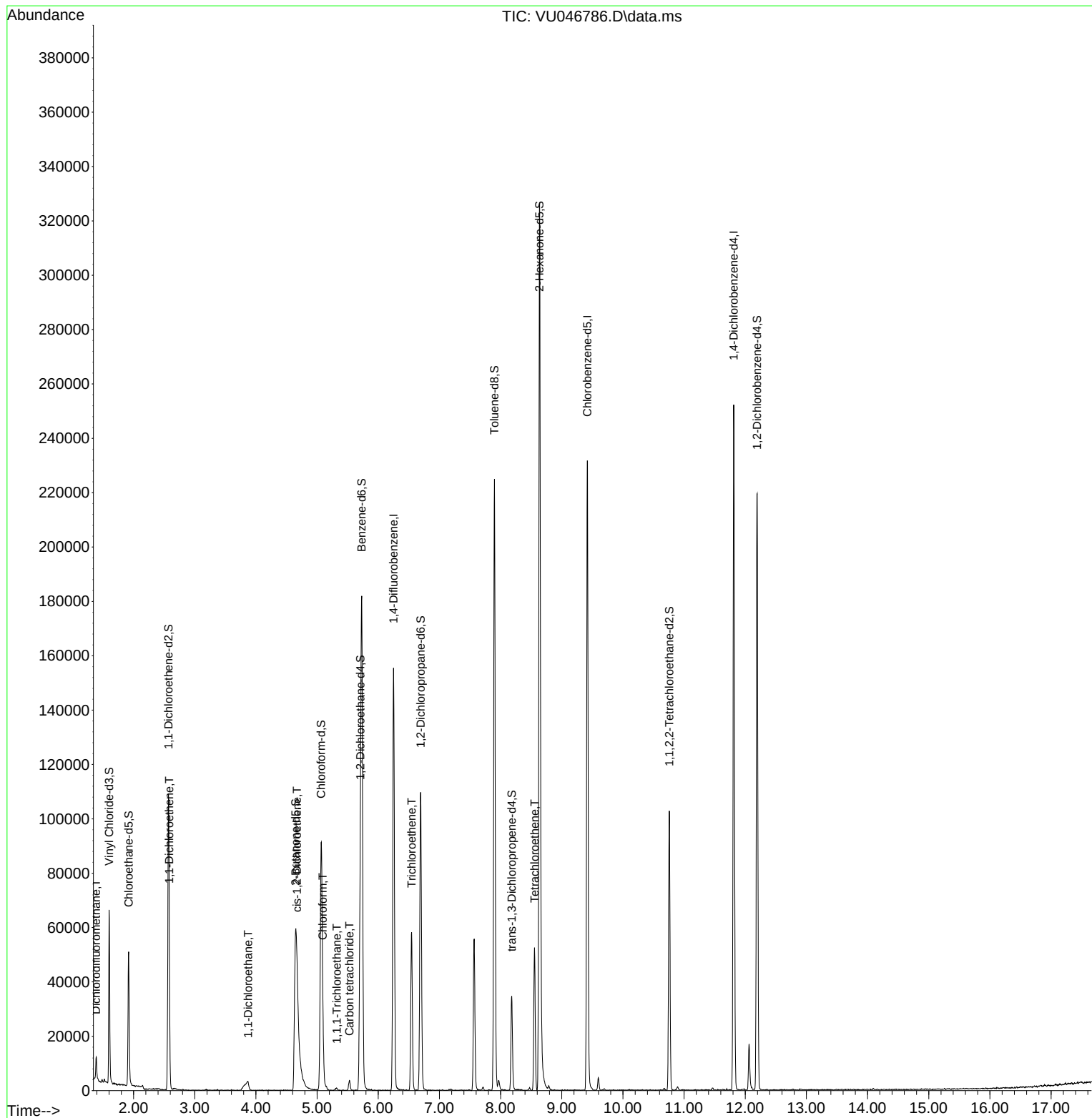
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250  | 114   | 132361   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420  | 117   | 137420   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812 | 152   | 69797    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.600  | 65    | 46983    | 4.189    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 83.800%  |
| 7) Chloroethane-d5            | 1.919  | 69    | 39311    | 4.449    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 89.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.571  | 65    | 19961    | 4.474    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 89.400%  |
| 20) 2-Butanone-d5             | 4.649  | 46    | 152247   | 45.821   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 91.640%  |
| 24) Chloroform-d              | 5.067  | 84    | 84685    | 4.301    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 86.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.706  | 65    | 48311    | 4.506    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 90.200%  |
| 32) Benzene-d6                | 5.729  | 84    | 177481   | 4.394    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 87.800%  |
| 36) 1,2-Dichloropropane-d6    | 6.693  | 67    | 53790    | 4.436    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 88.800%  |
| 41) Toluene-d8                | 7.899  | 98    | 152872   | 4.135    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 82.800%  |
| 43) trans-1,3-Dichloroprop... | 8.182  | 79    | 22003    | 4.132    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 82.600%  |
| 46) 2-Hexanone-d5             | 8.636  | 63    | 138003   | 43.764   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 87.520%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758 | 84    | 51334    | 4.216    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 84.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195 | 152   | 59553    | 4.550    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 91.000%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.385  | 85    | 3758     | 0.302    | ug/L   | 93       |
| 12) 1,1-Dichloroethene        | 2.584  | 96    | 2747     | 0.372    | ug/L # | 1        |
| 19) 1,1-Dichloroethane        | 3.874  | 63    | 1892     | 0.141    | ug/L   | 93       |
| 22) cis-1,2-Dichloroethene    | 4.671  | 96    | 3779     | 0.448    | ug/L   | 93       |
| 25) Chloroform                | 5.092  | 83    | 17455    | 0.818    | ug/L   | 98       |
| 29) 1,1,1-Trichloroethane     | 5.321  | 97    | 868      | 0.070    | ug/L # | 80       |
| 31) Carbon tetrachloride      | 5.530  | 117   | 2450     | 0.231    | ug/L   | 97       |
| 34) Trichloroethene           | 6.546  | 95    | 20461    | 2.436    | ug/L   | 96       |
| 47) Tetrachloroethene         | 8.555  | 164   | 12218    | 1.788    | ug/L   | 95       |
| -----                         |        |       |          |          |        |          |

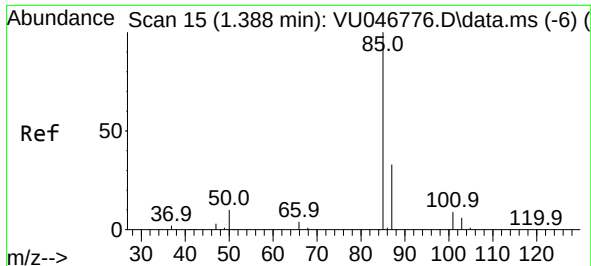
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011822\  
Data File : VU046786.D  
Acq On : 18 Jan 2022 16:56  
Operator : SY/MD  
Sample : N1179-02  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0HJ3

Quant Time: Jan 19 07:42:38 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR011822WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Wed Jan 19 06:55:47 2022  
Response via : Initial Calibration

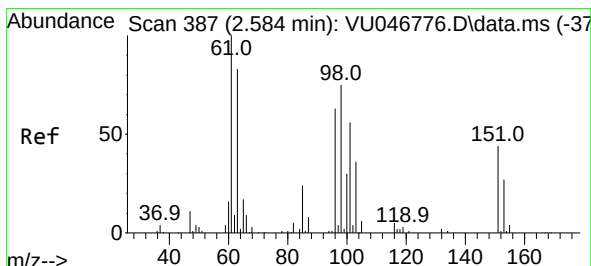
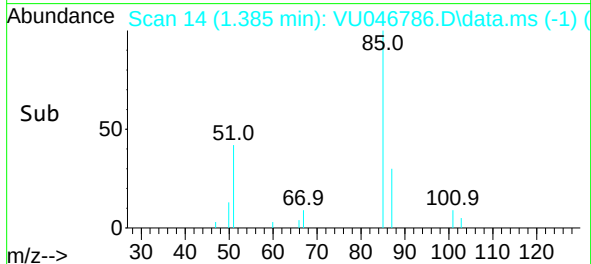
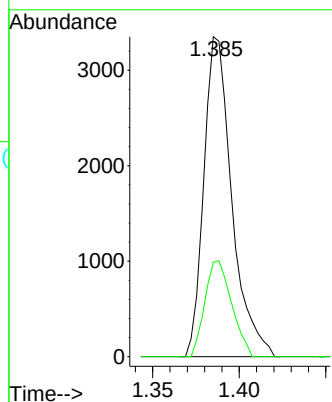
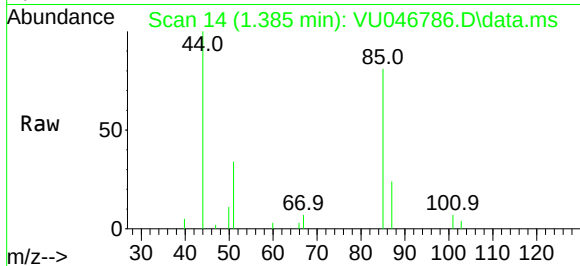




#2  
Dichlorodifluoromethane  
Concen: 0.302 ug/L  
RT: 1.385 min Scan# 14  
Delta R.T. -0.003 min  
Lab File: VU046786.D  
Acq: 18 Jan 2022 16:56

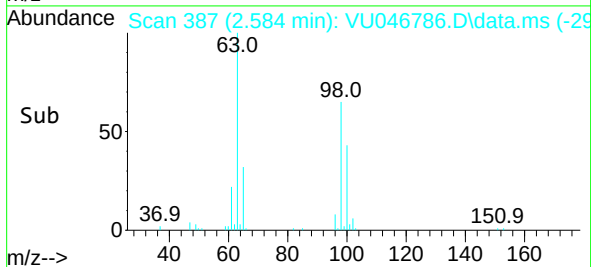
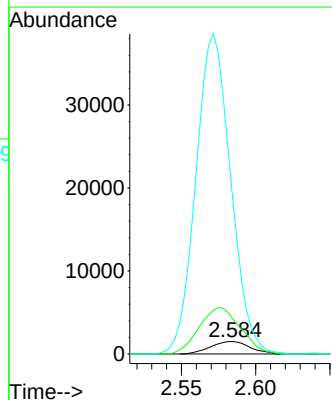
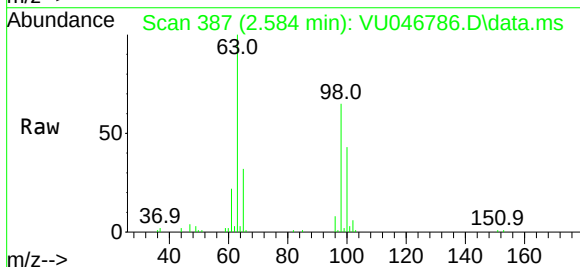
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0HJ3

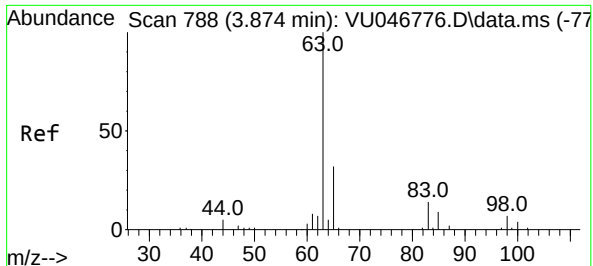
Tgt Ion: 85 Resp: 3758  
Ion Ratio Lower Upper  
85 100  
87 28.6 25.8 38.6



#12  
1,1-Dichloroethene  
Concen: 0.372 ug/L  
RT: 2.584 min Scan# 387  
Delta R.T. -0.000 min  
Lab File: VU046786.D  
Acq: 18 Jan 2022 16:56

Tgt Ion: 96 Resp: 2747  
Ion Ratio Lower Upper  
96 100  
61 286.6 124.7 231.5#  
63 1278.0 105.2 195.4#





#19

1,1-Dichloroethane

Concen: 0.141 ug/L

RT: 3.874 min Scan# 71

Delta R.T. -0.000 min

Lab File: VU046786.D

Acq: 18 Jan 2022 16:56

Instrument :

MSVOA\_U

ClientSampleId :

COHJ3

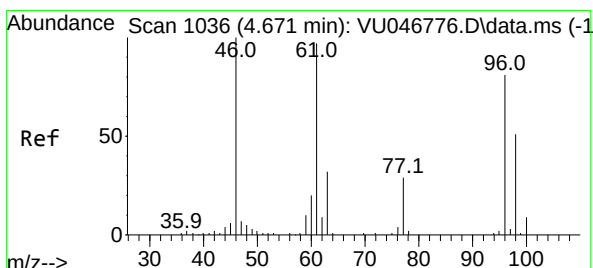
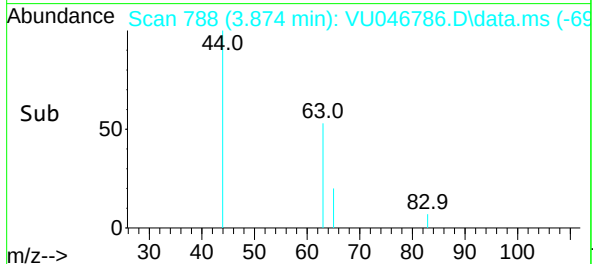
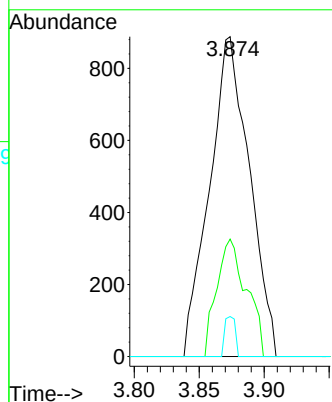
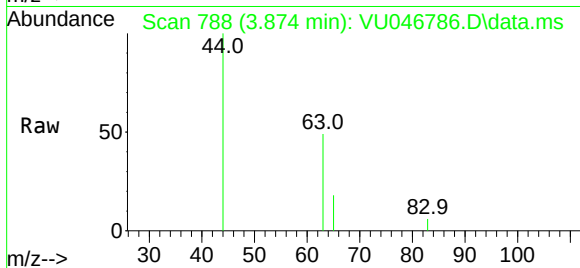
Tgt Ion: 63 Resp: 1892

Ion Ratio Lower Upper

63 100

65 36.7 22.3 41.5

83 12.5 9.6 17.8



#22

cis-1,2-Dichloroethene

Concen: 0.448 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VU046786.D

Acq: 18 Jan 2022 16:56

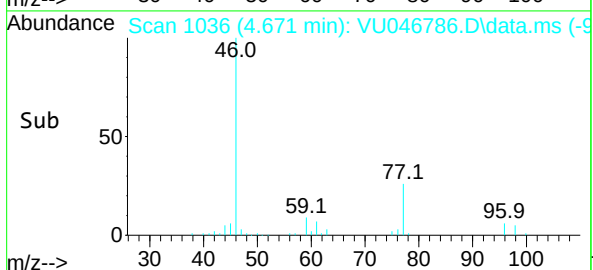
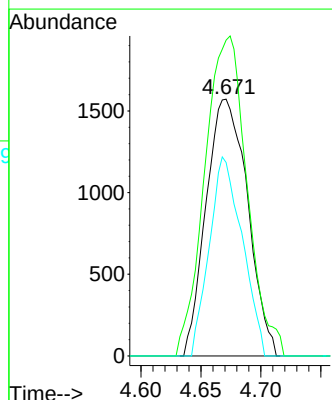
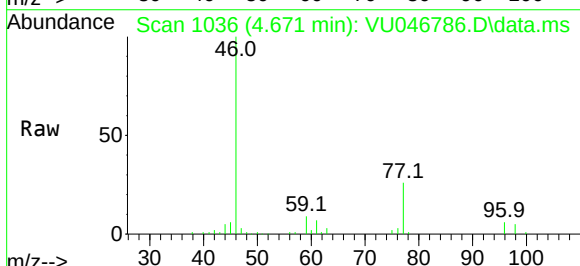
Tgt Ion: 96 Resp: 3779

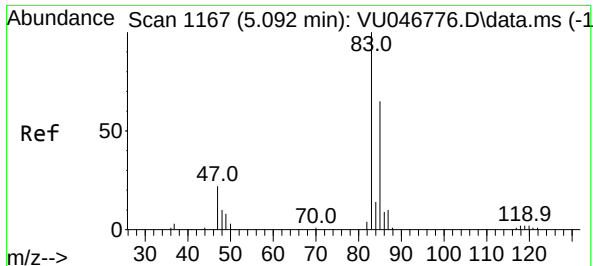
Ion Ratio Lower Upper

96 100

61 123.0 88.5 164.3

98 75.3 44.4 82.5





#25

Chloroform

Concen: 0.818 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.000 min

Lab File: VU046786.D

Acq: 18 Jan 2022 16:56

Instrument :

MSVOA\_U

ClientSampleId :

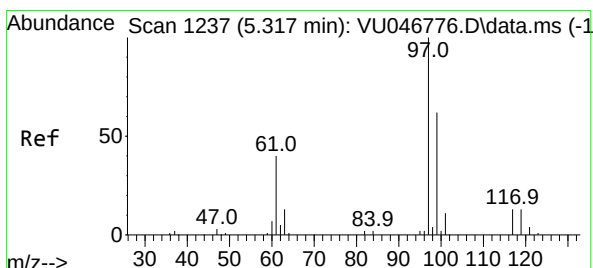
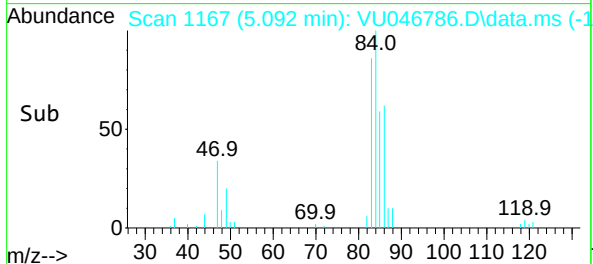
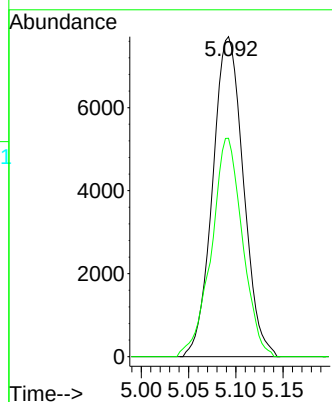
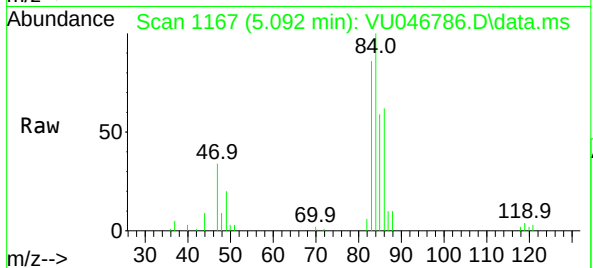
C0HJ3

Tgt Ion: 83 Resp: 17455

Ion Ratio Lower Upper

83 100

85 68.3 46.9 87.1



#29

1,1,1-Trichloroethane

Concen: 0.070 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.003 min

Lab File: VU046786.D

Acq: 18 Jan 2022 16:56

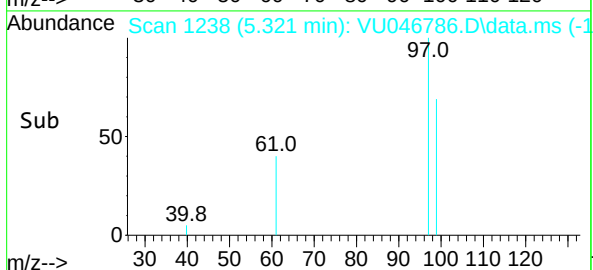
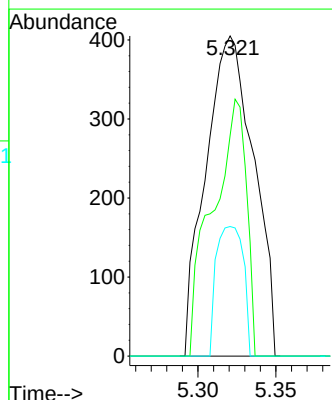
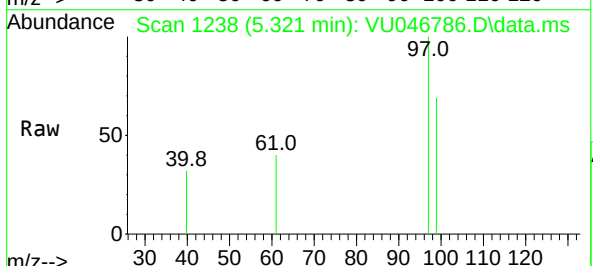
Tgt Ion: 97 Resp: 868

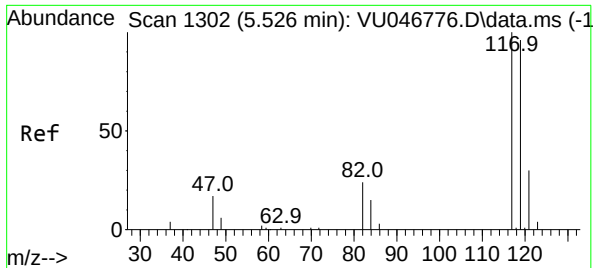
Ion Ratio Lower Upper

97 100

99 56.6 51.3 76.9

61 22.7 36.1 54.1#

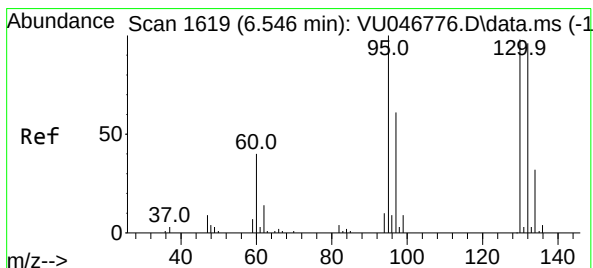
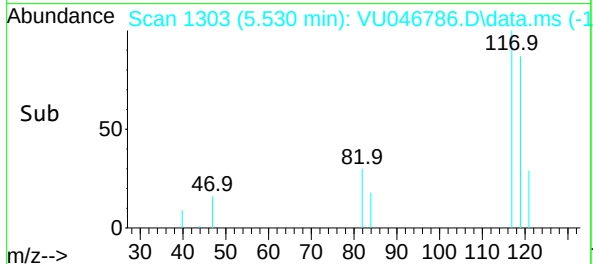
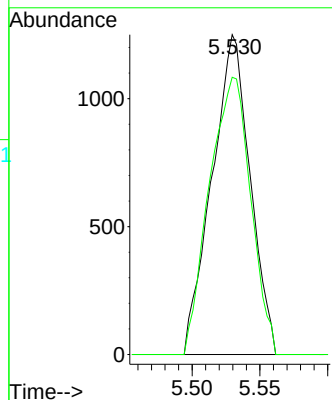
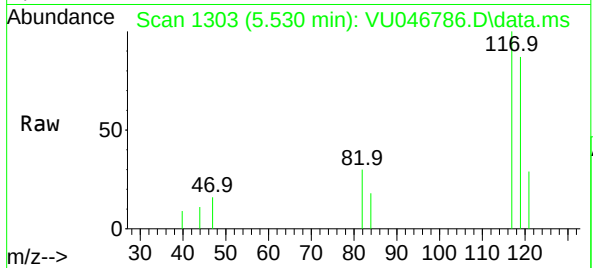




#31  
Carbon tetrachloride  
Concen: 0.231 ug/L  
RT: 5.530 min Scan# 1117  
Delta R.T. 0.003 min  
Lab File: VU046786.D  
Acq: 18 Jan 2022 16:56

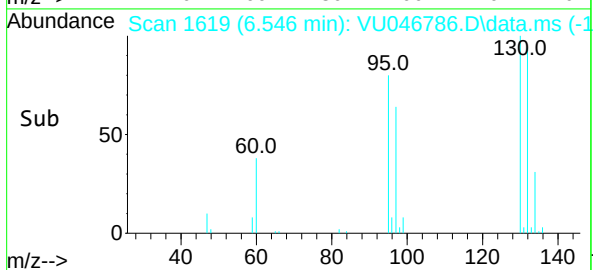
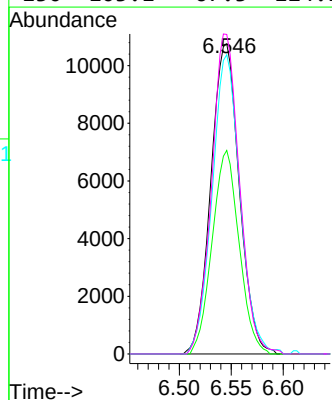
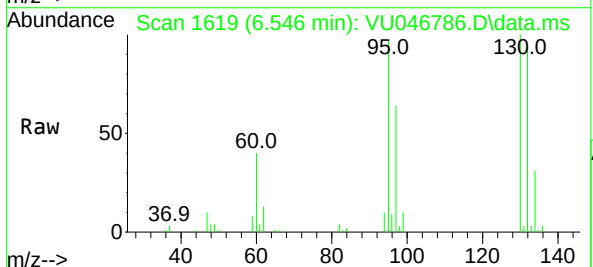
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0HJ3

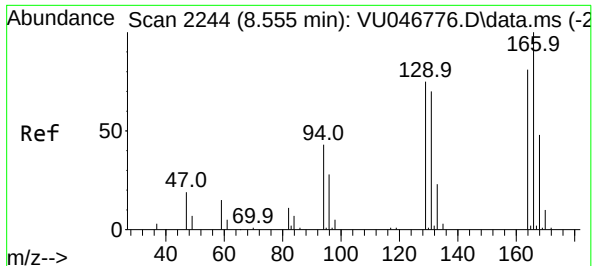
Tgt Ion:117 Resp: 2450  
Ion Ratio Lower Upper  
117 100  
119 93.8 77.5 116.3



#34  
Trichloroethene  
Concen: 2.436 ug/L  
RT: 6.546 min Scan# 1619  
Delta R.T. -0.000 min  
Lab File: VU046786.D  
Acq: 18 Jan 2022 16:56

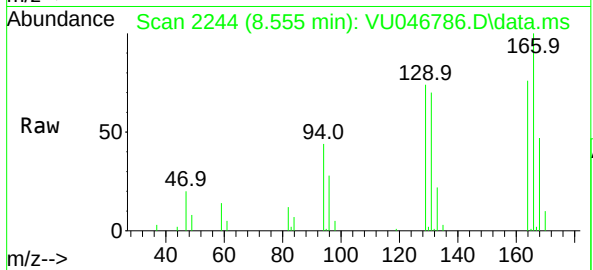
Tgt Ion: 95 Resp: 20461  
Ion Ratio Lower Upper  
95 100  
97 65.7 46.5 86.5  
132 96.5 65.1 120.9  
130 103.1 67.3 124.9





#47  
 Tetrachloroethene  
 Concen: 1.788 ug/L  
 RT: 8.555 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VU046786.D  
 Acq: 18 Jan 2022 16:56

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0HJ3



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 12218 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 97.2  | 71.8  | 133.4 |
| 131      | 91.7  | 68.5  | 127.3 |
| 166      | 131.0 | 94.1  | 174.8 |

