

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU091924\  
 Data File : VU060919.D  
 Acq On : 20 Sep 2024 02:13  
 Operator : MD/SY  
 Sample : P3987-17DL 4X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Sep 20 05:56:55 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR091624WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Sep 20 01:34:14 2024  
 Response via : Initial Calibration

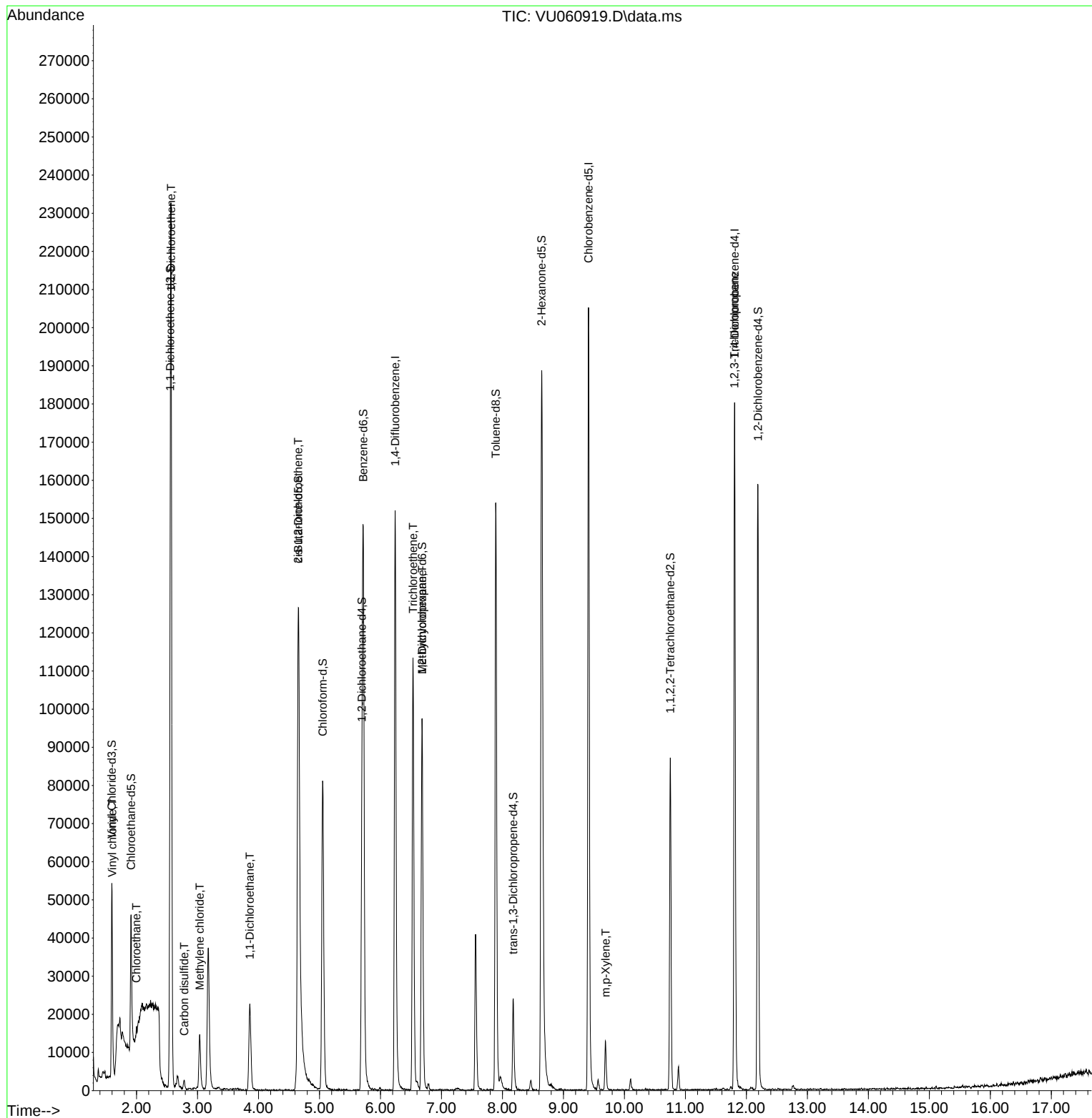
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 134382   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 130735   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 54837    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.595  | 65    | 34045    | 2.817    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 56.400%  |
| 7) Chloroethane-d5            | 1.911  | 69    | 31001    | 3.602    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 72.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.554  | 65    | 14775    | 3.449    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 69.000%  |
| 20) 2-Butanone-d5             | 4.653  | 46    | 103004   | 53.085   | ug/L   | 0.02     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 106.160% |
| 24) Chloroform-d              | 5.052  | 84    | 84503    | 4.573    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 91.400%  |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 41826    | 4.736    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 94.800%  |
| 32) Benzene-d6                | 5.717  | 84    | 150284   | 4.289    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 85.800%  |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 49672    | 4.582    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 91.600%  |
| 41) Toluene-d8                | 7.891  | 98    | 115993   | 3.631    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 72.600%  |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79    | 15935    | 4.083    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 81.600%  |
| 46) 2-Hexanone-d5             | 8.643  | 63    | 87958    | 57.137   | ug/L   | 0.02     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 114.280% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753 | 84    | 45857    | 5.399    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 108.000% |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152   | 47064    | 5.108    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 102.200% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 5) Vinyl chloride             | 1.602  | 62    | 9053     | 0.781    | ug/L # | 79       |
| 8) Chloroethane               | 1.997  | 64    | 1601     | 0.226    | ug/L # | 51       |
| 12) 1,1-Dichloroethene        | 2.566  | 96    | 69441    | 8.215    | ug/L # | 74       |
| 14) Carbon disulfide          | 2.782  | 76    | 3337     | 0.142    | ug/L # | 85       |
| 16) Methylene chloride        | 3.036  | 84    | 7707     | 0.787    | ug/L   | 95       |
| 19) 1,1-Dichloroethane        | 3.859  | 63    | 26395    | 1.501    | ug/L   | 92       |
| 22) cis-1,2-Dichloroethene    | 4.653  | 96    | 45435    | 4.687    | ug/L   | 93       |
| 34) Trichloroethene           | 6.534  | 95    | 39826    | 4.226    | ug/L   | 92       |
| 35) Methylcyclohexane         | 6.682  | 83    | 12261    | 0.948    | ug/L # | 18       |
| 53) m,p-Xylene                | 9.692  | 106   | 4088     | 0.272    | ug/L   | 91       |
| 61) 1,2,3-Trichloropropane    | 11.804 | 75    | 5136     | 1.004    | ug/L # | 69       |
| -----                         |        |       |          |          |        |          |

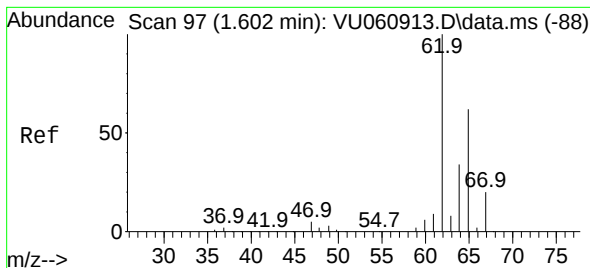
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU091924\  
Data File : VU060919.D  
Acq On : 20 Sep 2024 02:13  
Operator : MD/SY  
Sample : P3987-17DL 4X  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 36 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Sep 20 05:56:55 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR091624WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Sep 20 01:34:14 2024  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.781 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.000 min

Lab File: VU060919.D

Acq: 20 Sep 2024 02:13

Instrument :

MSVOA\_U

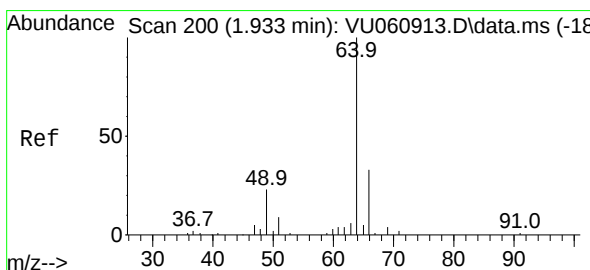
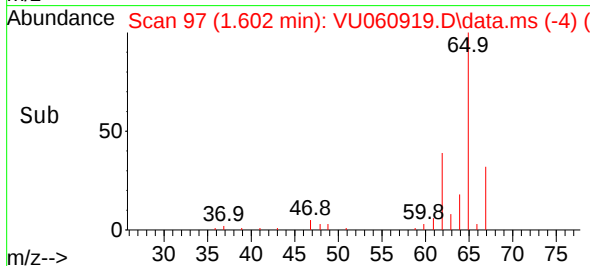
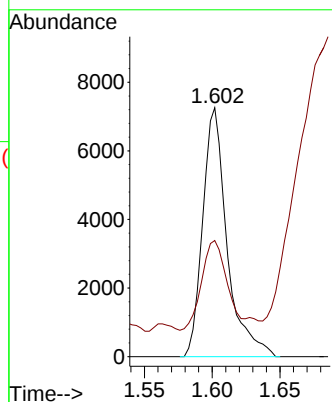
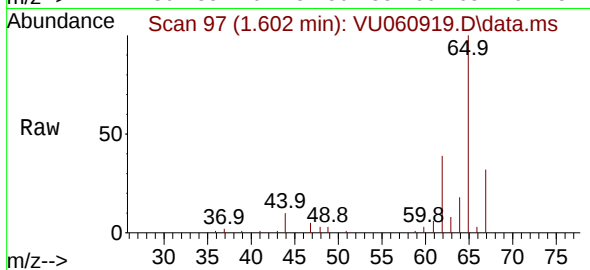
ClientSampleId :

Tgt Ion: 62 Resp: 9053

Ion Ratio Lower Upper

62 100

64 46.6 24.0 44.6#



#8

Chloroethane

Concen: 0.226 ug/L

RT: 1.997 min Scan# 220

Delta R.T. 0.064 min

Lab File: VU060919.D

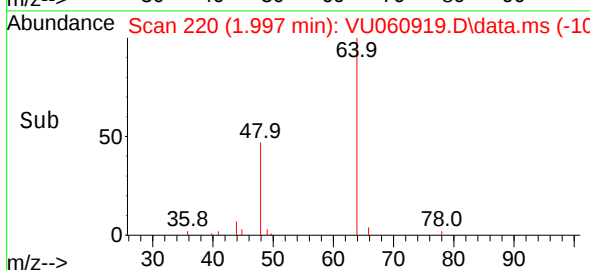
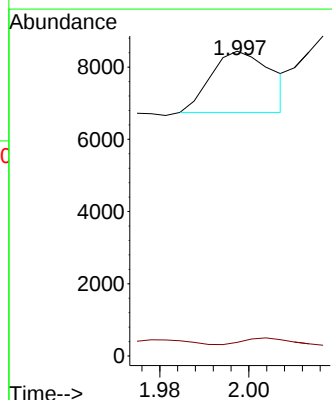
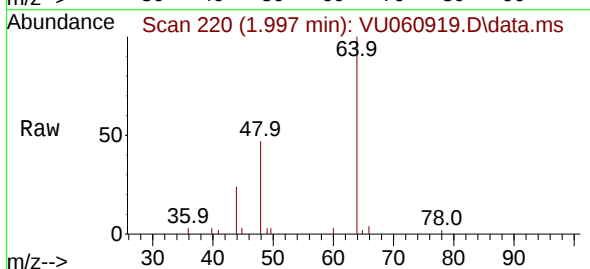
Acq: 20 Sep 2024 02:13

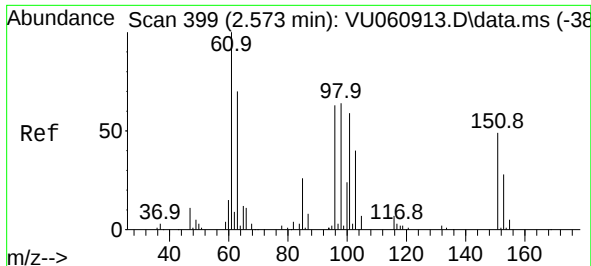
Tgt Ion: 64 Resp: 1601

Ion Ratio Lower Upper

64 100

66 4.4 22.3 41.3#





#12

1,1-Dichloroethene

Concen: 8.215 ug/L

RT: 2.566 min Scan# 399

Delta R.T. -0.007 min

Lab File: VU060919.D

Acq: 20 Sep 2024 02:13

Instrument :

MSVOA\_U

ClientSampleId :

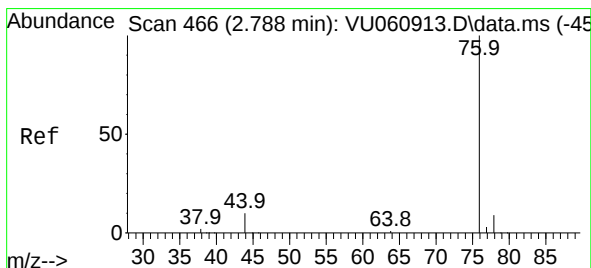
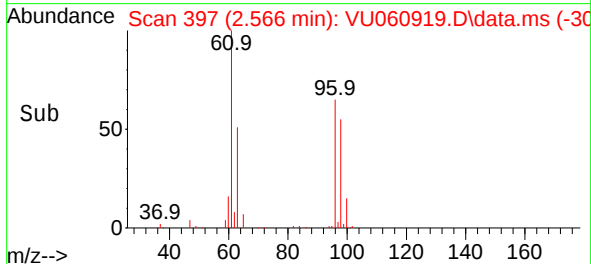
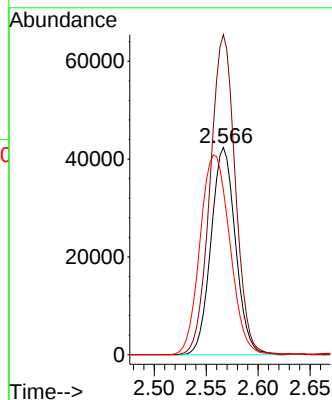
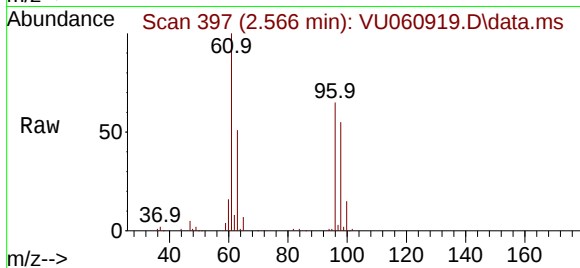
Tgt Ion: 96 Resp: 69441

Ion Ratio Lower Upper

96 100

61 154.4 120.7 224.1

63 79.4 90.0 167.2#



#14

Carbon disulfide

Concen: 0.142 ug/L

RT: 2.782 min Scan# 464

Delta R.T. -0.007 min

Lab File: VU060919.D

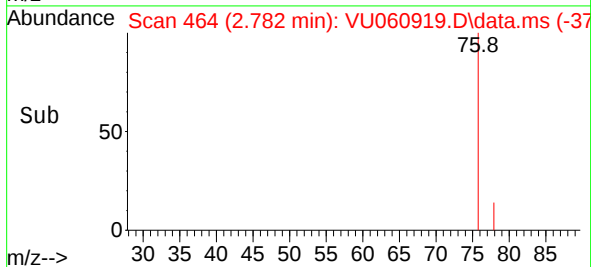
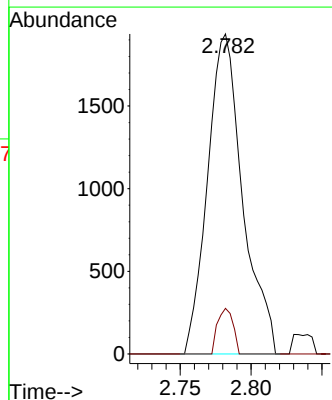
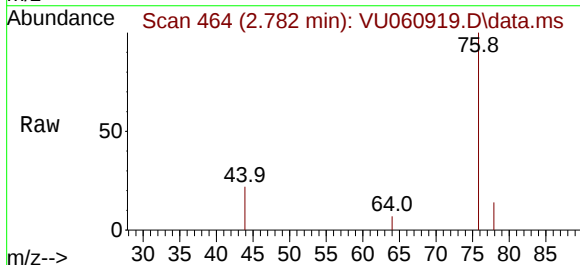
Acq: 20 Sep 2024 02:13

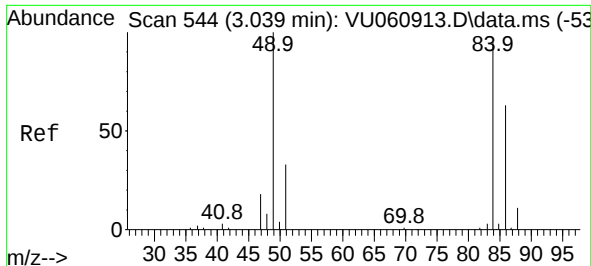
Tgt Ion: 76 Resp: 3337

Ion Ratio Lower Upper

76 100

78 14.3 7.1 10.7#





#16

Methylene chloride

Concen: 0.787 ug/L

RT: 3.036 min Scan# 544

Delta R.T. -0.003 min

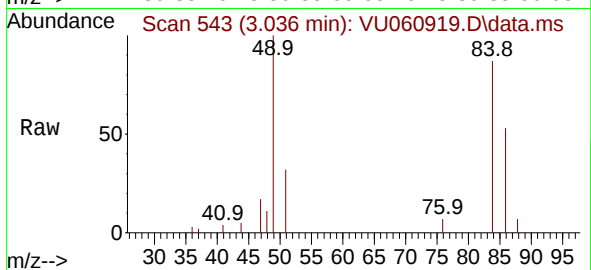
Lab File: VU060919.D

Acq: 20 Sep 2024 02:13

Instrument :

MSVOA\_U

ClientSampleId :



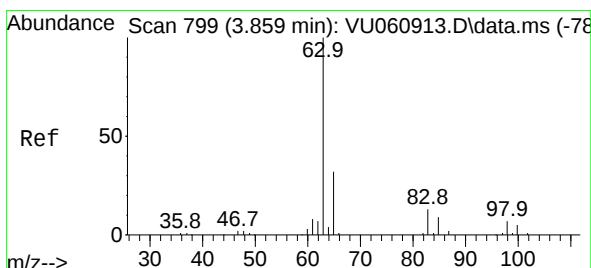
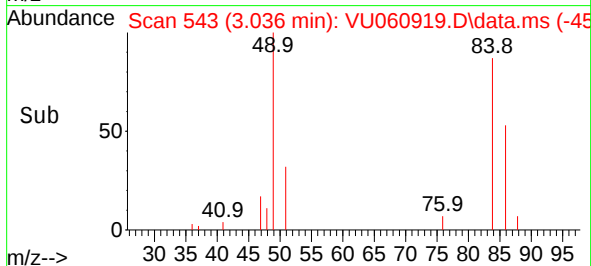
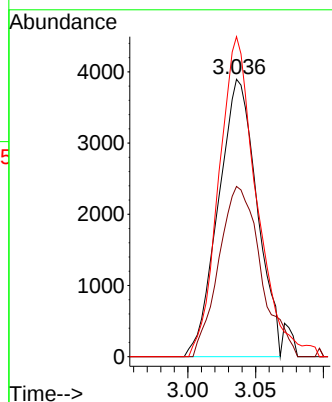
Tgt Ion: 84 Resp: 7707

Ion Ratio Lower Upper

84 100

86 61.4 47.3 87.8

49 115.3 78.7 146.1



#19

1,1-Dichloroethane

Concen: 1.501 ug/L

RT: 3.859 min Scan# 799

Delta R.T. -0.000 min

Lab File: VU060919.D

Acq: 20 Sep 2024 02:13

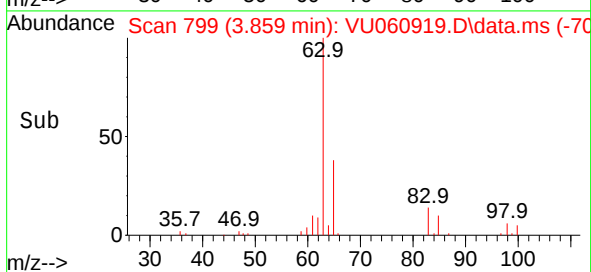
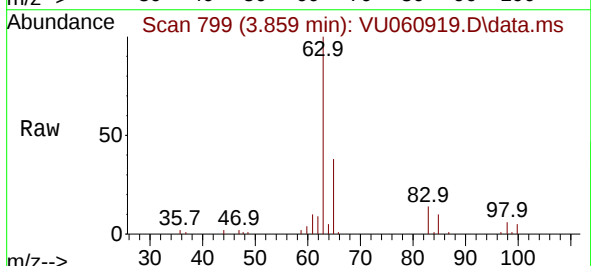
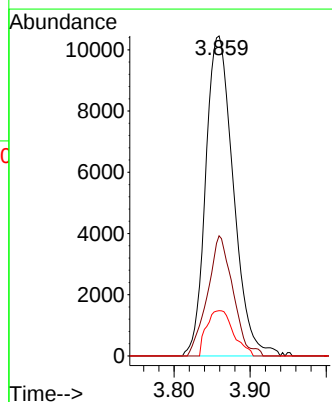
Tgt Ion: 63 Resp: 26395

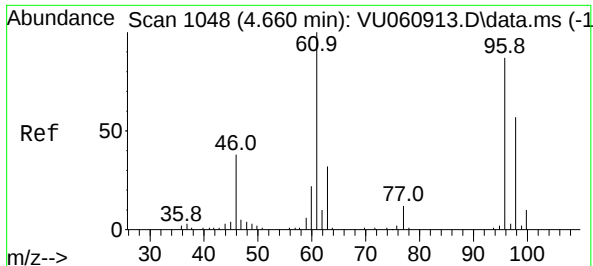
Ion Ratio Lower Upper

63 100

65 38.8 23.0 42.8

83 14.2 9.0 16.6

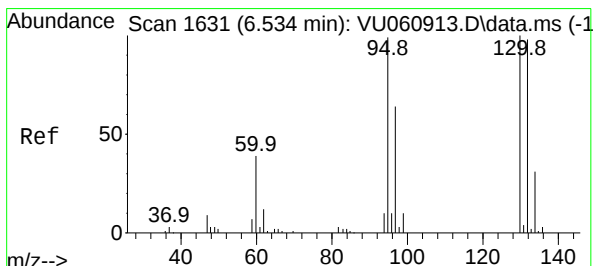
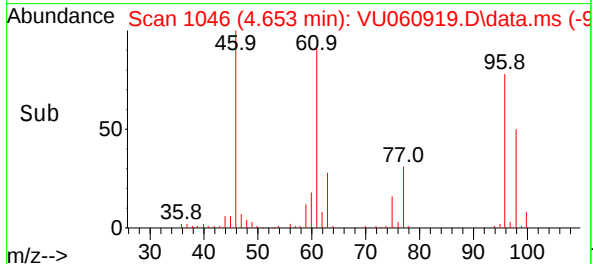
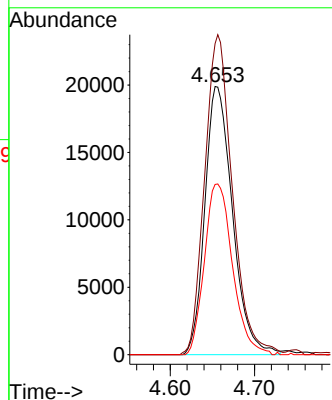
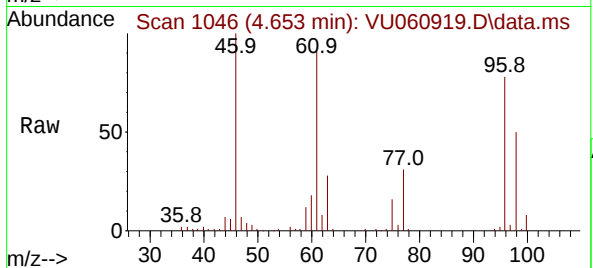




#22  
cis-1,2-Dichloroethene  
Concen: 4.687 ug/L  
RT: 4.653 min Scan# 1046  
Delta R.T. -0.007 min  
Lab File: VU060919.D  
Acq: 20 Sep 2024 02:13

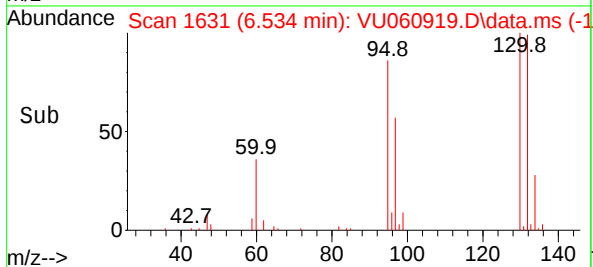
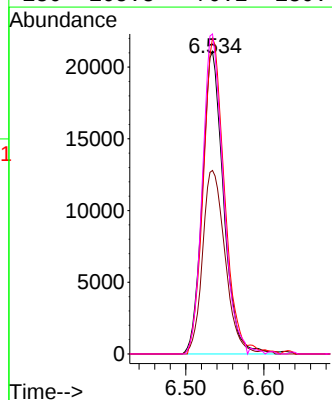
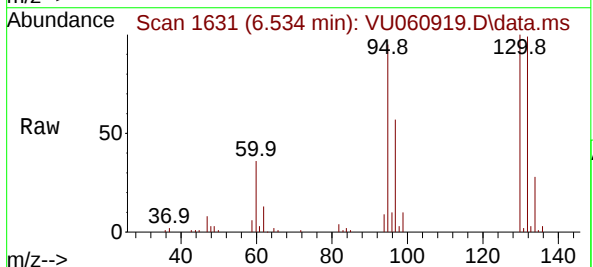
Instrument :  
MSVOA\_U  
ClientSampleId :

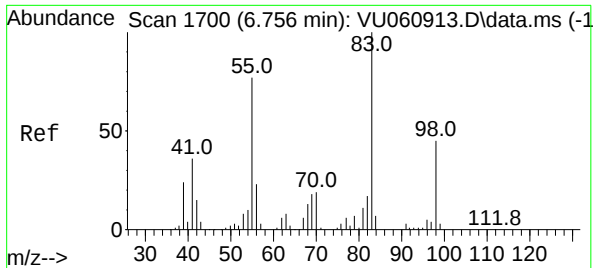
Tgt Ion: 96 Resp: 45435  
Ion Ratio Lower Upper  
96 100  
61 116.0 89.7 166.5  
98 63.5 45.1 83.9



#34  
Trichloroethene  
Concen: 4.226 ug/L  
RT: 6.534 min Scan# 1631  
Delta R.T. -0.000 min  
Lab File: VU060919.D  
Acq: 20 Sep 2024 02:13

Tgt Ion: 95 Resp: 39826  
Ion Ratio Lower Upper  
95 100  
97 60.7 44.9 83.5  
132 104.4 63.5 117.9  
130 105.8 70.2 130.4

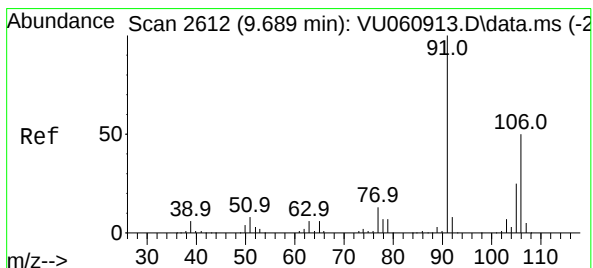
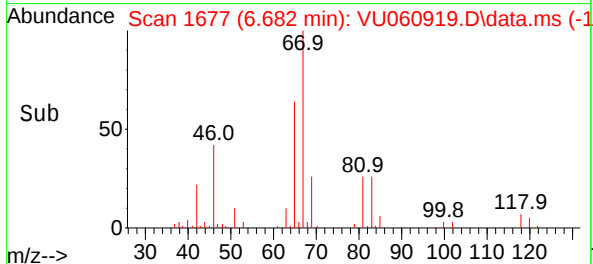
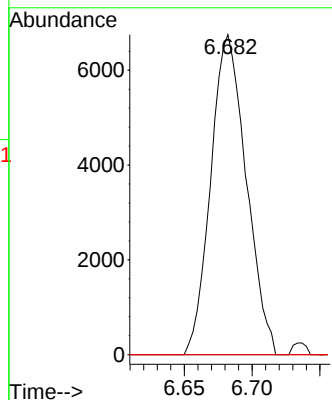
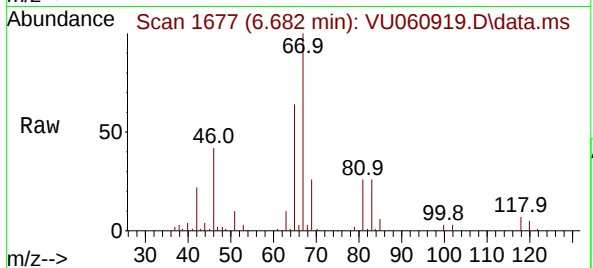




#35  
Methylcyclohexane  
Concen: 0.948 ug/L  
RT: 6.682 min Scan# 1  
Delta R.T. -0.074 min  
Lab File: VU060919.D  
Acq: 20 Sep 2024 02:13

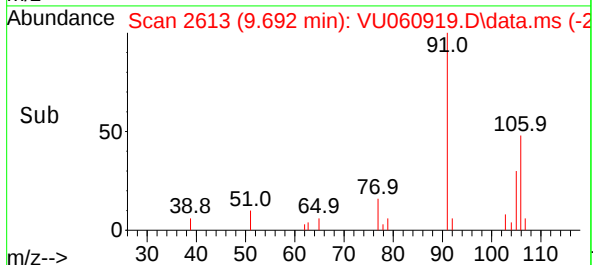
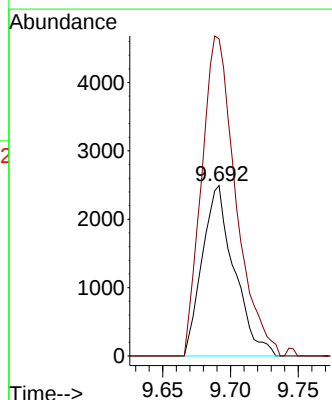
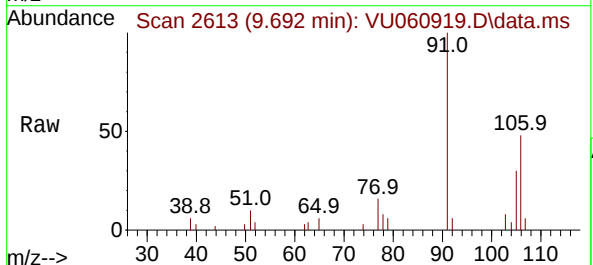
Instrument :  
MSVOA\_U  
ClientSampleId :

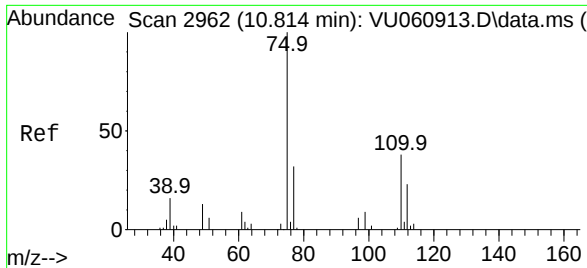
Tgt Ion: 83 Resp: 12261  
Ion Ratio Lower Upper  
83 100  
55 0.6 62.6 94.0#  
98 0.0 37.6 56.4#



#53  
m,p-Xylene  
Concen: 0.272 ug/L  
RT: 9.692 min Scan# 2613  
Delta R.T. 0.003 min  
Lab File: VU060919.D  
Acq: 20 Sep 2024 02:13

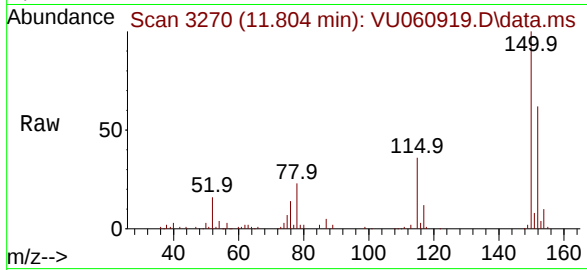
Tgt Ion:106 Resp: 4088  
Ion Ratio Lower Upper  
106 100  
91 186.1 139.7 259.4





#61  
1,2,3-Trichloropropane  
Concen: 1.004 ug/L  
RT: 11.804 min Scan# 31  
Delta R.T. 0.990 min  
Lab File: VU060919.D  
Acq: 20 Sep 2024 02:13

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion: 75 Resp: 5136  
Ion Ratio Lower Upper  
75 100  
110 1.2 28.6 43.0#  
77 32.9 26.3 39.5

