

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU111821\  
 Data File : VU045874.D  
 Acq On : 18 Nov 2021 17:32  
 Operator : SY/MD  
 Sample : M4664-09DL 4X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Nov 19 00:55:16 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111521WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Nov 19 00:50:55 2021  
 Response via : Initial Calibration

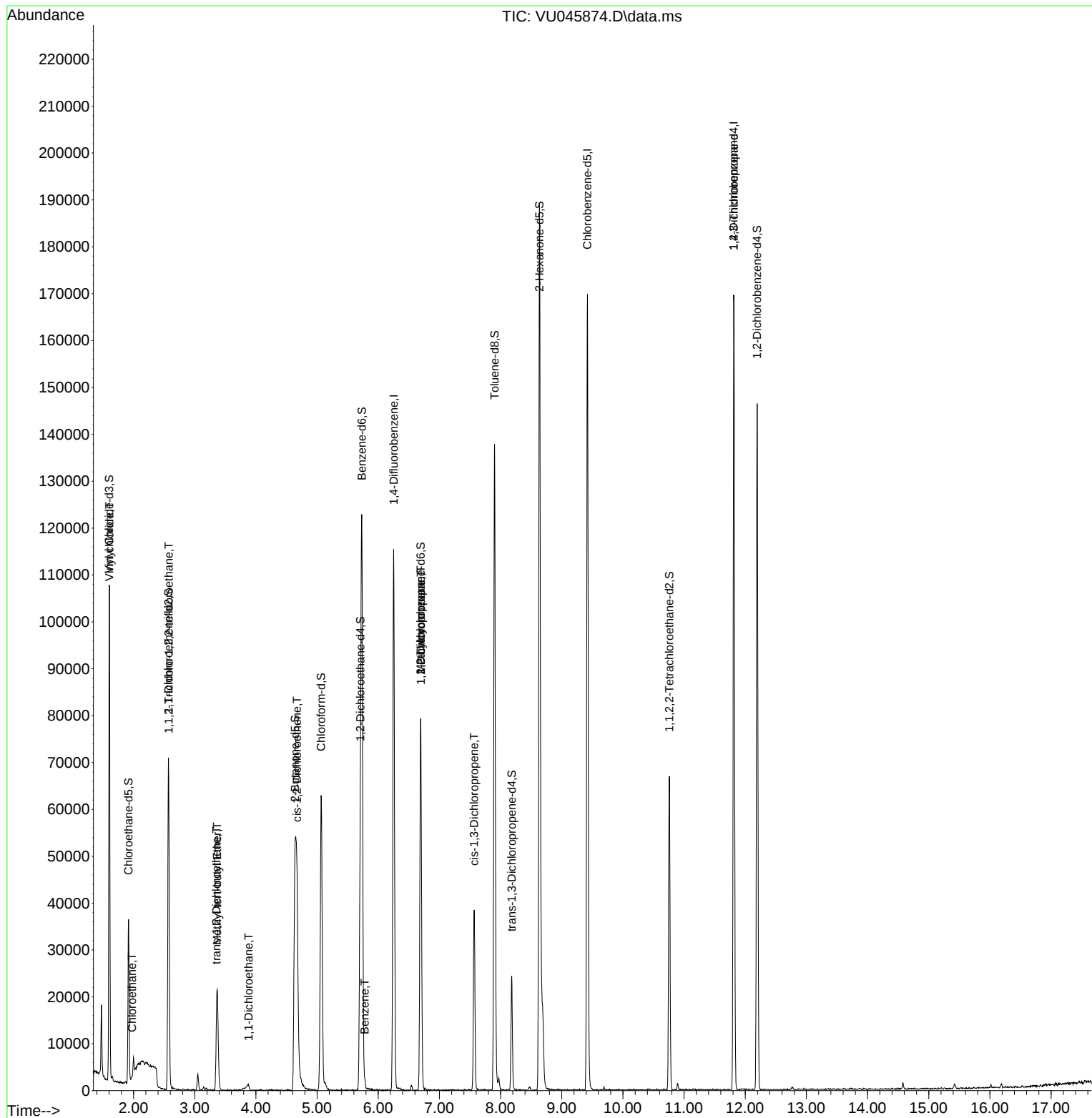
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.253  | 114   | 90369    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420  | 117   | 95430    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812 | 152   | 43757    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.601  | 65    | 31395    | 4.385    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 87.600%  |
| 7) Chloroethane-d5            | 1.916  | 69    | 25622    | 4.916    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 98.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.572  | 65    | 13275    | 4.421    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 88.400%  |
| 20) 2-Butanone-d5             | 4.639  | 46    | 102164   | 53.246   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 106.500% |
| 24) Chloroform-d              | 5.067  | 84    | 58150    | 4.875    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 97.400%  |
| 26) 1,2-Dichloroethane-d4     | 5.707  | 65    | 33255    | 4.751    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 95.000%  |
| 32) Benzene-d6                | 5.732  | 84    | 115064   | 4.378    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 87.600%  |
| 36) 1,2-Dichloropropane-d6    | 6.694  | 67    | 38088    | 4.599    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 92.000%  |
| 41) Toluene-d8                | 7.903  | 98    | 95458    | 4.015    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 80.400%  |
| 43) trans-1,3-Dichloroprop... | 8.182  | 79    | 13704    | 4.076    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 81.600%  |
| 46) 2-Hexanone-d5             | 8.636  | 63    | 65718    | 43.425   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 86.860%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758 | 84    | 33795    | 4.830    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 96.600%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195 | 152   | 37413    | 4.980    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 99.600%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 5) Vinyl chloride             | 1.607  | 62    | 42478    | 5.428    | ug/L   | 100      |
| 8) Chloroethane               | 1.974  | 64    | 2128     | 0.477    | ug/L # | 43       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.575  | 101   | 330      | 0.056    | ug/L # | 21       |
| 17) Methyl tert-butyl Ether   | 3.366  | 73    | 22200    | 1.524    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.356  | 96    | 794      | 0.132    | ug/L   | 80       |
| 19) 1,1-Dichloroethane        | 3.880  | 63    | 1205     | 0.107    | ug/L # | 83       |
| 22) cis-1,2-Dichloroethene    | 4.671  | 96    | 12845    | 1.976    | ug/L   | 93       |
| 33) Benzene                   | 5.780  | 78    | 1769     | 0.066    | ug/L   | 100      |
| 35) Methylcyclohexane         | 6.694  | 83    | 9180     | 0.871    | ug/L # | 17       |
| 37) 1,2-Dichloropropane       | 6.697  | 63    | 4227     | 0.603    | ug/L # | 88       |
| 39) cis-1,3-Dichloropropene   | 7.568  | 75    | 1022     | 0.103    | ug/L   | 88       |
| 61) 1,2,3-Trichloropropane    | 11.812 | 75    | 5745     | 1.265    | ug/L # | 67       |
| -----                         |        |       |          |          |        |          |

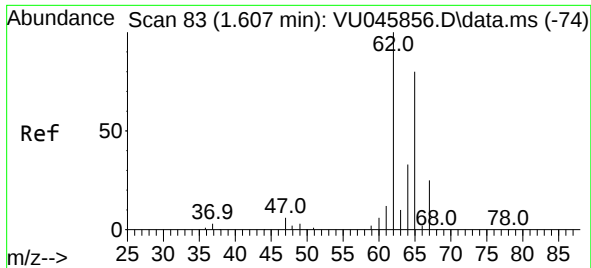
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU111821\  
Data File : VU045874.D  
Acq On : 18 Nov 2021 17:32  
Operator : SY/MD  
Sample : M4664-09DL 4X  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Nov 19 00:55:16 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111521WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Nov 19 00:50:55 2021  
Response via : Initial Calibration

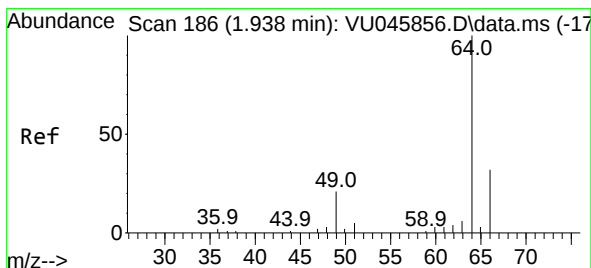
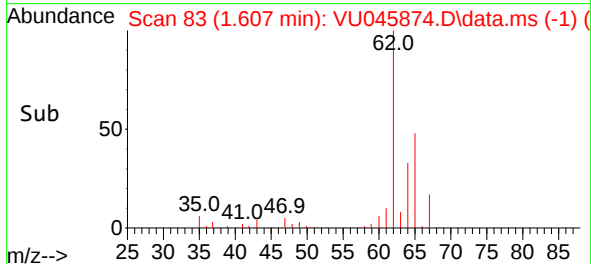
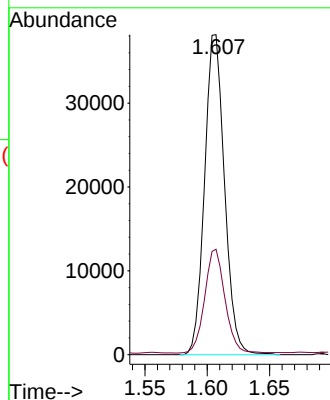
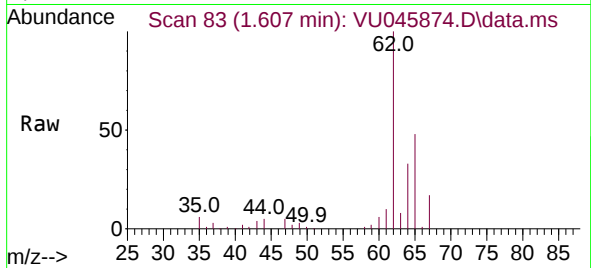




#5  
 Vinyl chloride  
 Concen: 5.428 ug/L  
 RT: 1.607 min Scan# 81  
 Delta R.T. 0.000 min  
 Lab File: VU045874.D  
 Acq: 18 Nov 2021 17:32

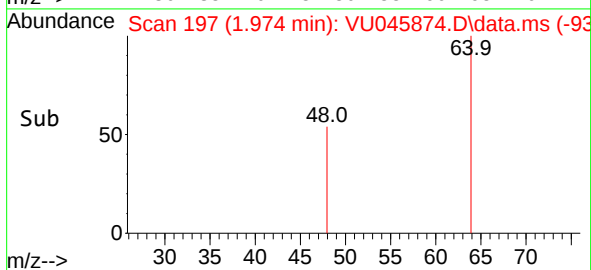
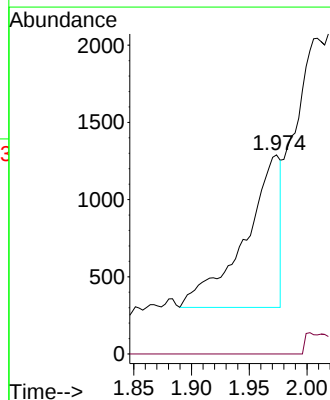
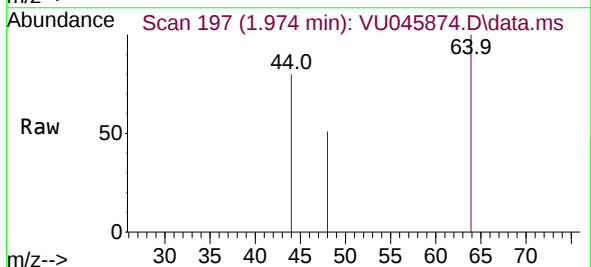
Instrument :  
 MSVOA\_U  
 ClientSampleId :

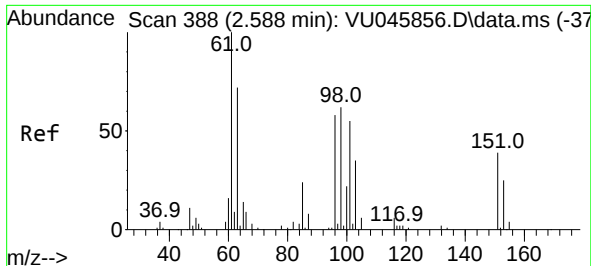
Tgt Ion: 62 Resp: 42478  
 Ion Ratio Lower Upper  
 62 100  
 64 33.0 22.9 42.5



#8  
 Chloroethane  
 Concen: 0.477 ug/L  
 RT: 1.974 min Scan# 197  
 Delta R.T. 0.036 min  
 Lab File: VU045874.D  
 Acq: 18 Nov 2021 17:32

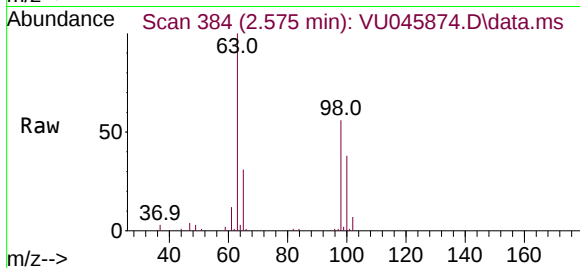
Tgt Ion: 64 Resp: 2128  
 Ion Ratio Lower Upper  
 64 100  
 66 0.0 22.1 41.1#



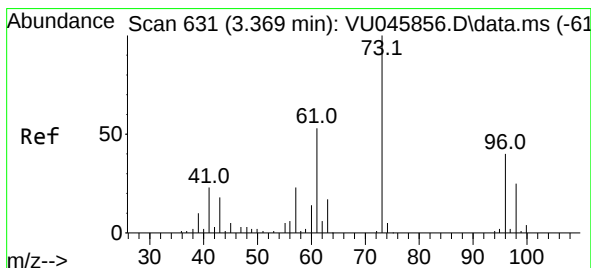
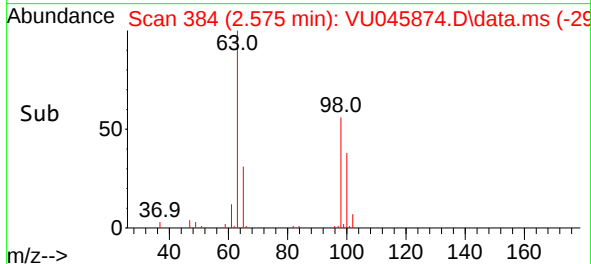
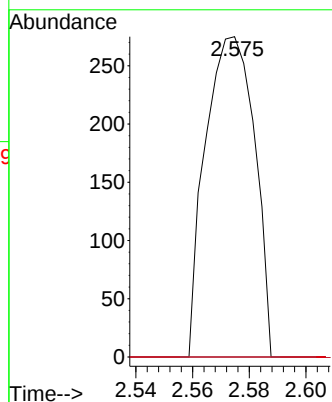


#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.056 ug/L  
 RT: 2.575 min Scan# 31  
 Delta R.T. -0.013 min  
 Lab File: VU045874.D  
 Acq: 18 Nov 2021 17:32

Instrument :  
 MSVOA\_U  
 ClientSampleId :

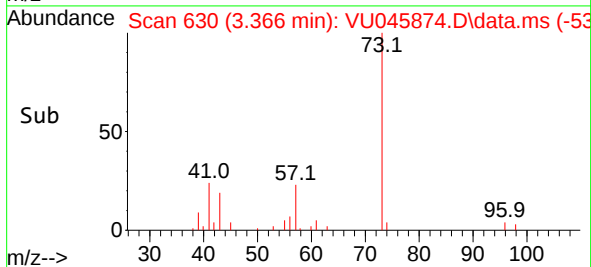
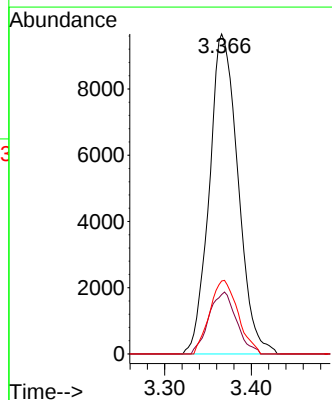
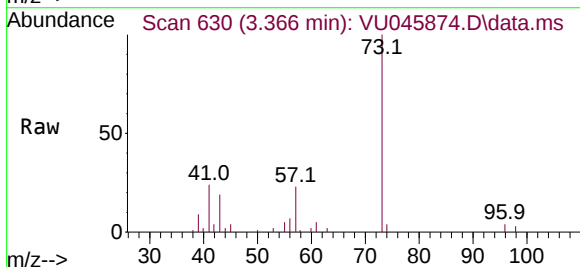


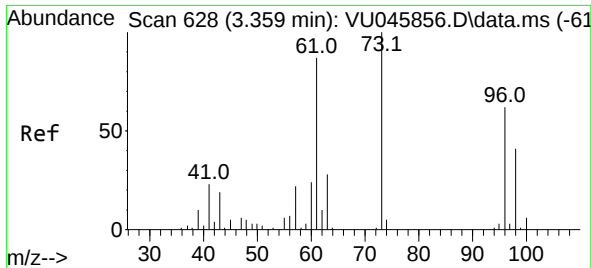
Tgt Ion:101 Resp: 330  
 Ion Ratio Lower Upper  
 101 100  
 85 0.0 34.6 51.8#  
 151 0.0 56.1 84.1#



#17  
 Methyl tert-butyl Ether  
 Concen: 1.524 ug/L  
 RT: 3.366 min Scan# 630  
 Delta R.T. -0.003 min  
 Lab File: VU045874.D  
 Acq: 18 Nov 2021 17:32

Tgt Ion: 73 Resp: 22200  
 Ion Ratio Lower Upper  
 73 100  
 43 18.7 14.8 22.2  
 57 22.7 17.4 26.0

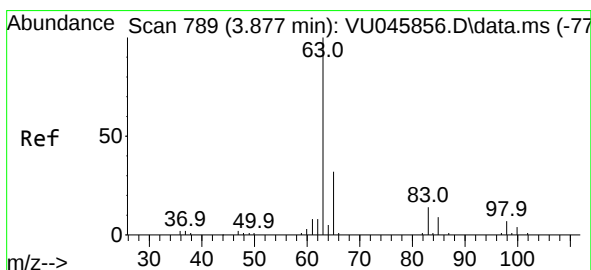
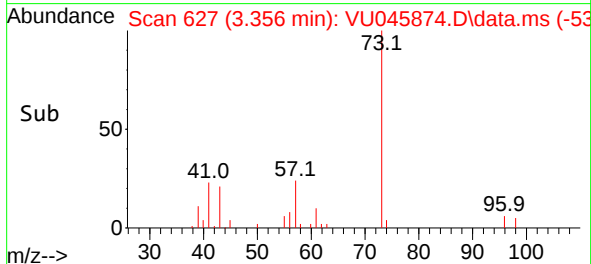
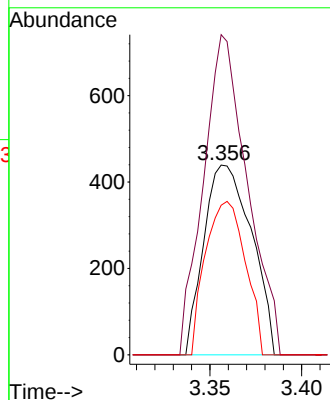
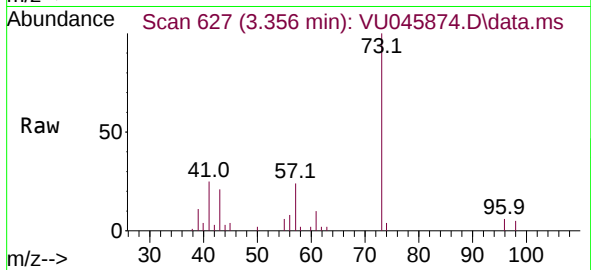




#18  
trans-1,2-Dichloroethene  
Concen: 0.132 ug/L  
RT: 3.356 min Scan# 61  
Delta R.T. -0.003 min  
Lab File: VU045874.D  
Acq: 18 Nov 2021 17:32

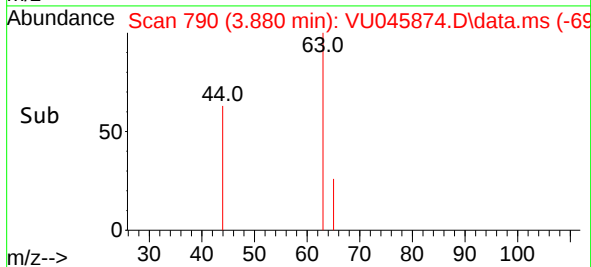
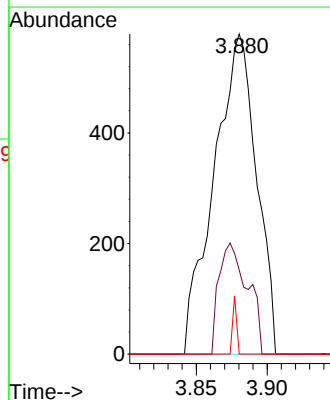
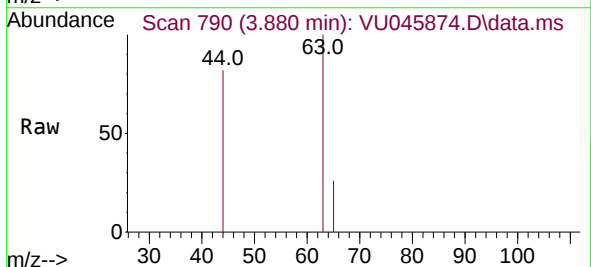
Instrument :  
MSVOA\_U  
ClientSampleId :

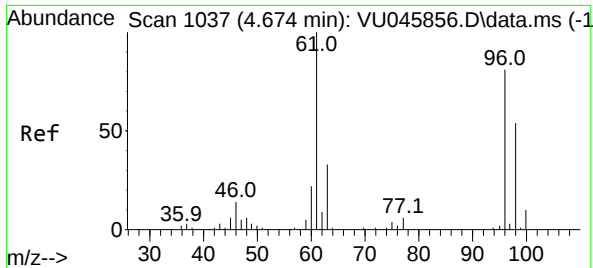
Tgt Ion: 96 Resp: 794  
Ion Ratio Lower Upper  
96 100  
61 168.8 100.8 187.2  
98 78.8 45.1 83.7



#19  
1,1-Dichloroethane  
Concen: 0.107 ug/L  
RT: 3.880 min Scan# 790  
Delta R.T. 0.003 min  
Lab File: VU045874.D  
Acq: 18 Nov 2021 17:32

Tgt Ion: 63 Resp: 1205  
Ion Ratio Lower Upper  
63 100  
65 26.3 22.3 41.5  
83 0.0 9.6 17.8#

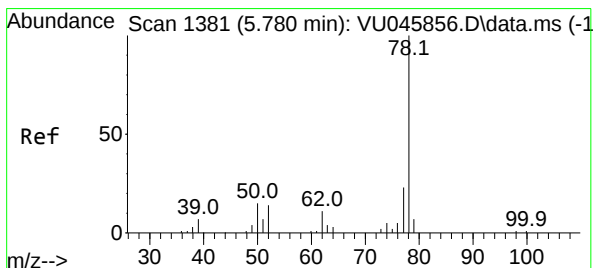
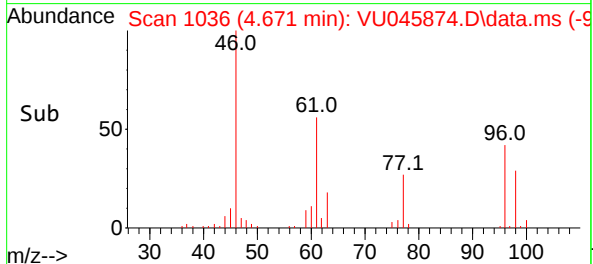
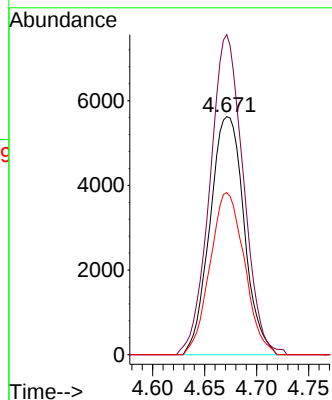
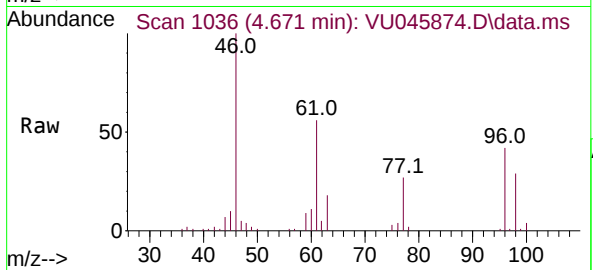




#22  
 cis-1,2-Dichloroethene  
 Concen: 1.976 ug/L  
 RT: 4.671 min Scan# 1036  
 Delta R.T. -0.003 min  
 Lab File: VU045874.D  
 Acq: 18 Nov 2021 17:32

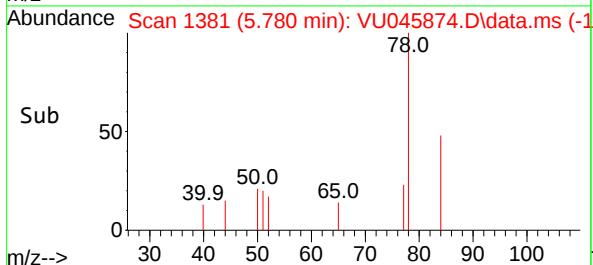
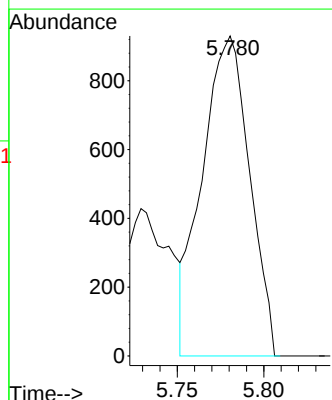
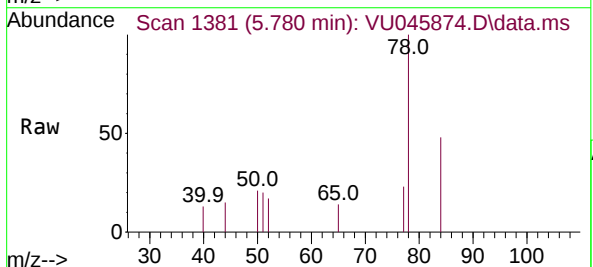
Instrument :  
 MSVOA\_U  
 ClientSampleId :

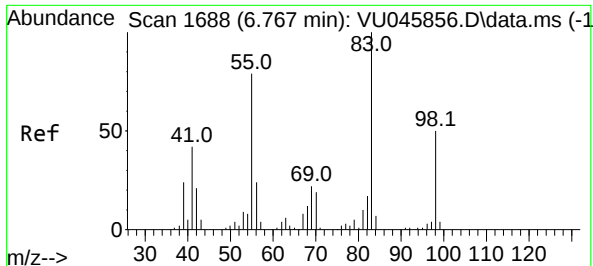
Tgt Ion: 96 Resp: 12845  
 Ion Ratio Lower Upper  
 96 100  
 61 134.4 88.5 164.3  
 98 68.1 44.4 82.5



#33  
 Benzene  
 Concen: 0.066 ug/L  
 RT: 5.780 min Scan# 1381  
 Delta R.T. 0.000 min  
 Lab File: VU045874.D  
 Acq: 18 Nov 2021 17:32

Tgt Ion: 78 Resp: 1769

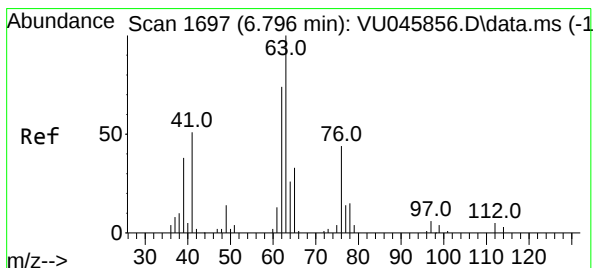
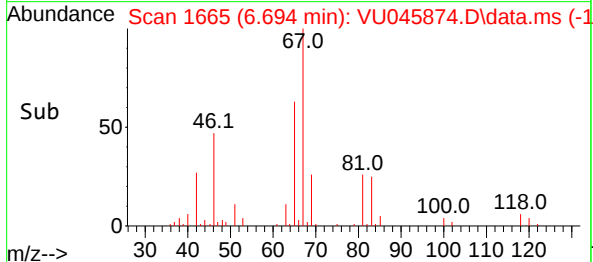
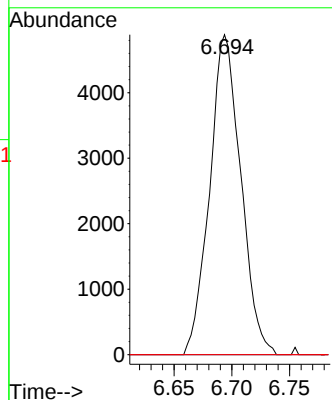
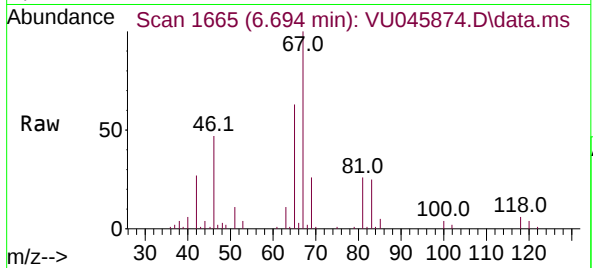




#35  
Methylcyclohexane  
Concen: 0.871 ug/L  
RT: 6.694 min Scan# 1665  
Delta R.T. -0.074 min  
Lab File: VU045874.D  
Acq: 18 Nov 2021 17:32

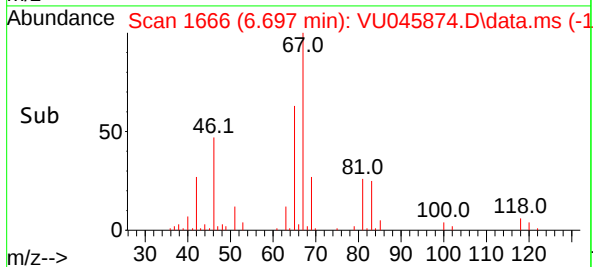
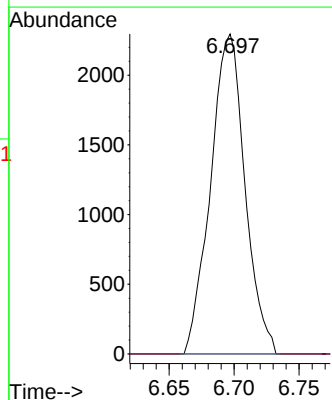
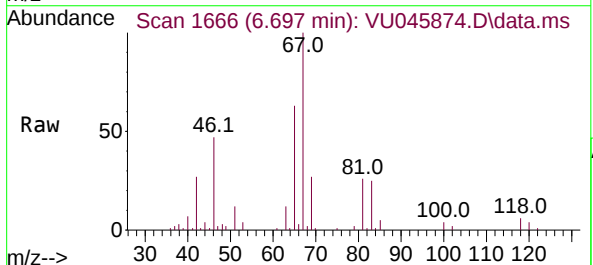
Instrument :  
MSVOA\_U  
ClientSampleId :

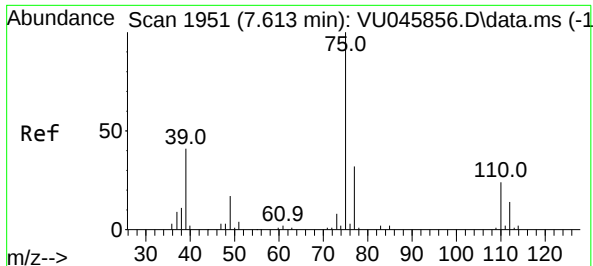
Tgt Ion: 83 Resp: 9180  
Ion Ratio Lower Upper  
83 100  
55 0.0 61.9 92.9#  
98 0.0 39.0 58.6#



#37  
1,2-Dichloropropane  
Concen: 0.603 ug/L  
RT: 6.697 min Scan# 1666  
Delta R.T. -0.100 min  
Lab File: VU045874.D  
Acq: 18 Nov 2021 17:32

Tgt Ion: 63 Resp: 4227  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.103 ug/L

RT: 7.568 min Scan# 1951

Delta R.T. -0.045 min

Lab File: VU045874.D

Acq: 18 Nov 2021 17:32

Instrument :

MSVOA\_U

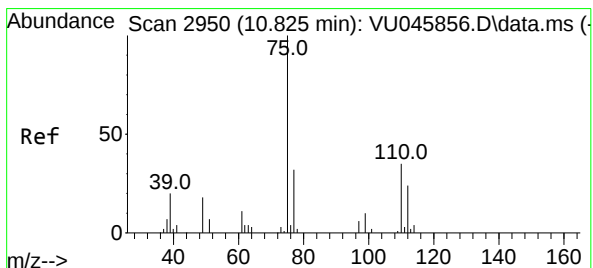
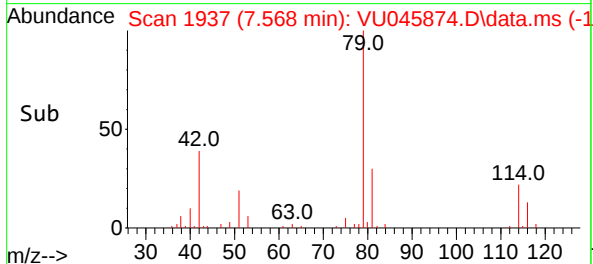
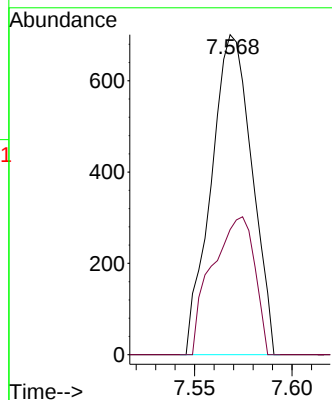
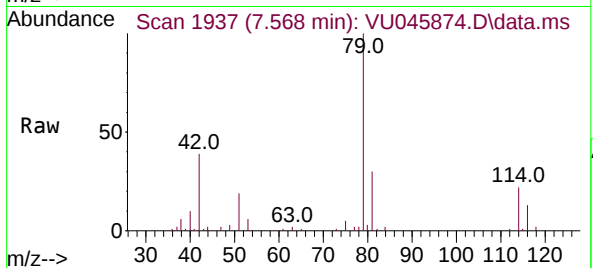
ClientSampleId :

Tgt Ion: 75 Resp: 1022

Ion Ratio Lower Upper

75 100

77 39.1 22.5 41.9



#61

1,2,3-Trichloropropane

Concen: 1.265 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.987 min

Lab File: VU045874.D

Acq: 18 Nov 2021 17:32

Tgt Ion: 75 Resp: 5745

Ion Ratio Lower Upper

75 100

110 0.7 29.9 44.9#

77 32.0 25.5 38.3

