

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU032522\  
 Data File : VU047694.D  
 Acq On : 25 Mar 2022 23:43  
 Operator : SY/MD  
 Sample : N2082-08MSD  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EW5Z2MSD

Quant Time: Mar 26 04:25:09 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM032422WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Mar 26 02:50:24 2022  
 Response via : Initial Calibration

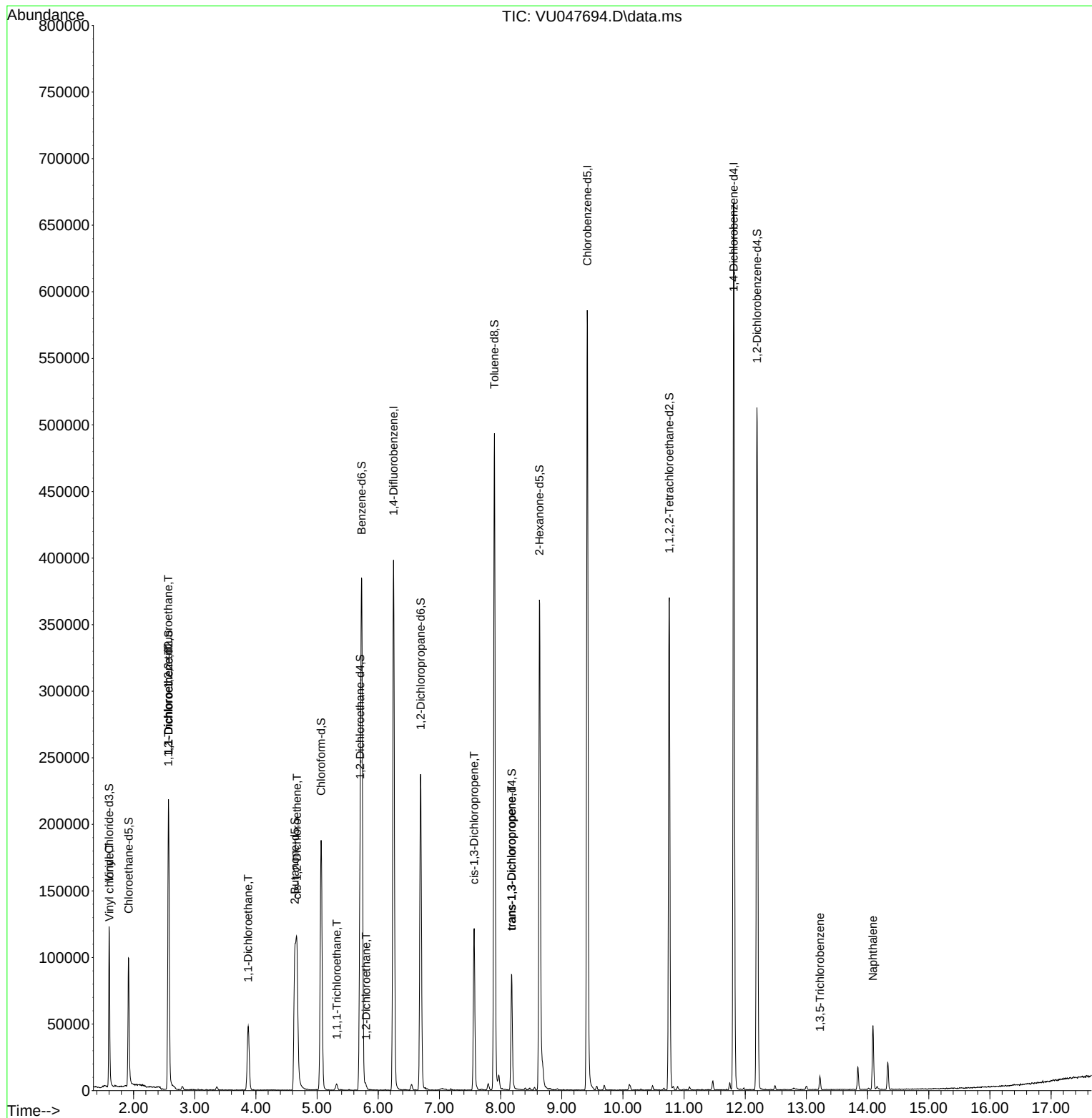
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250   | 114   | 335535   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417   | 117   | 342185   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812  | 152   | 185079   | 50.000   | ug/L   | 0.00     |
|                               |         |       |          |          |        |          |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.600   | 65    | 86804    | 35.675   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 71.360%  |
| 7) Chloroethane-d5            | 1.919   | 69    | 74077    | 38.611   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 77.220%  |
| 11) 1,1-Dichloroethene-d2     | 2.571   | 63    | 126166   | 28.341   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 56.680%# |
| 21) 2-Butanone-d5             | 4.636   | 46    | 184124   | 88.163   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 88.160%  |
| 24) Chloroform-d              | 5.067   | 84    | 174543   | 39.205   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 78.400%  |
| 26) 1,2-Dichloroethane-d4     | 5.703   | 65    | 113028   | 41.394   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 82.780%  |
| 32) Benzene-d6                | 5.729   | 84    | 358465   | 41.632   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 83.260%  |
| 36) 1,2-Dichloropropane-d6    | 6.693   | 67    | 114329   | 43.236   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 86.480%  |
| 41) Toluene-d8                | 7.899   | 98    | 330627   | 39.412   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 78.820%# |
| 43) trans-1,3-Dichloroprop... | 8.182   | 79    | 48351    | 36.092   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 72.180%  |
| 47) 2-Hexanone-d5             | 8.636   | 63    | 130542   | 84.330   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 84.330%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758  | 84    | 181593   | 40.015   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 80.040%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.192  | 152   | 139433   | 42.346   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 84.700%  |
|                               |         |       |          |          |        |          |
| Target Compounds              |         |       |          |          |        | Qvalue   |
| 5) Vinyl chloride             | 1.607   | 62    | 1178     | 0.388    | ug/L # | 1        |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.568   | 101   | 1599     | 0.647    | ug/L # | 22       |
| 12) 1,1-Dichloroethene        | 2.571   | 96    | 1603     | 0.696    | ug/L # | 1        |
| 19) 1,1-Dichloroethane        | 3.874   | 63    | 53789    | 12.563   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 4.671   | 96    | 40103    | 14.735   | ug/L   | 93       |
| 27) 1,2-Dichloroethane        | 5.800   | 62    | 2189     | 0.615    | ug/L # | 93       |
| 30) 1,1,1-Trichloroethane     | 5.321   | 97    | 3586     | 0.924    | ug/L   | 93       |
| 39) cis-1,3-Dichloropropene   | 7.568   | 75    | 2960     | 0.758    | ug/L # | 50       |
| 44) trans-1,3-Dichloropropene | 8.179   | 75    | 2483     | 0.637    | ug/L # | 78       |
| 69) 1,3,5-Trichlorobenzene    | 13.221  | 180   | 3666     | 0.812    | ug/L   | 96       |
| 71) Naphthalene               | 14.089  | 128   | 38674    | 3.280    | ug/L   | 98       |
| -----                         |         |       |          |          |        |          |

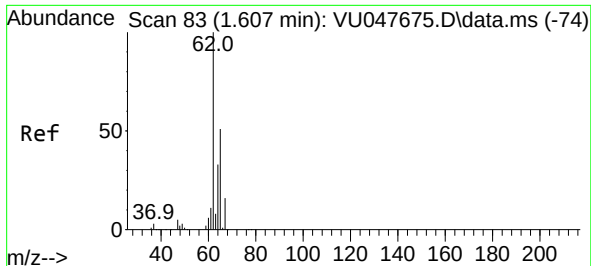
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU032522\  
Data File : VU047694.D  
Acq On : 25 Mar 2022 23:43  
Operator : SY/MD  
Sample : N2082-08MSD  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
EW5Z2MSD

Quant Time: Mar 26 04:25:09 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM032422WMA.M  
Quant Title : VOC Analysis  
QLast Update : Sat Mar 26 02:50:24 2022  
Response via : Initial Calibration

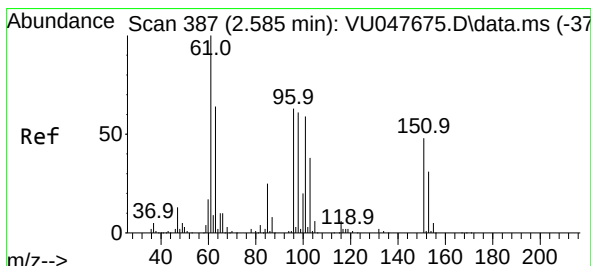
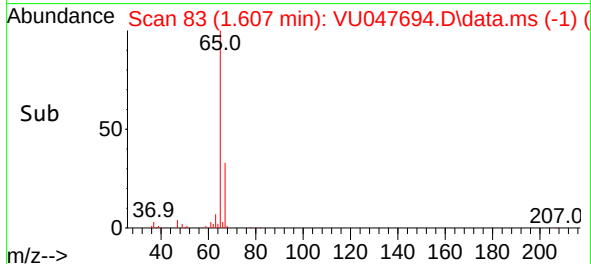
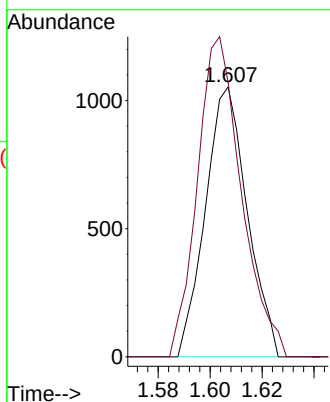
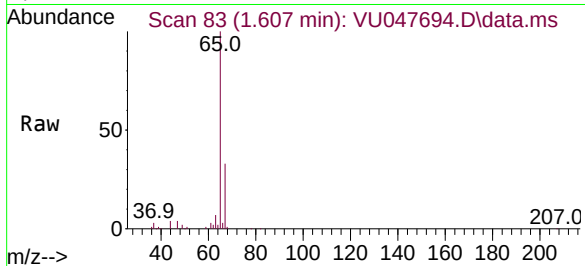




#5  
 Vinyl chloride  
 Concen: 0.388 ug/L  
 RT: 1.607 min Scan# 81  
 Delta R.T. -0.000 min  
 Lab File: VU047694.D  
 Acq: 25 Mar 2022 23:43

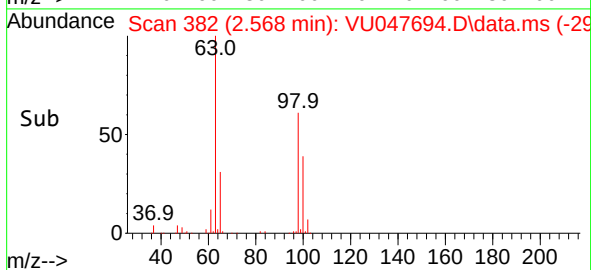
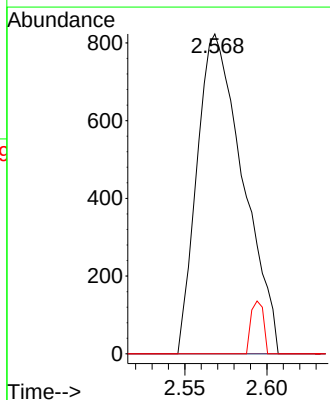
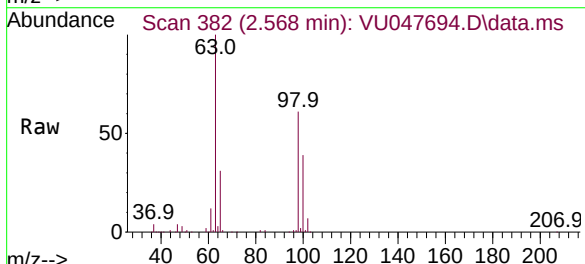
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EW5Z2MSD

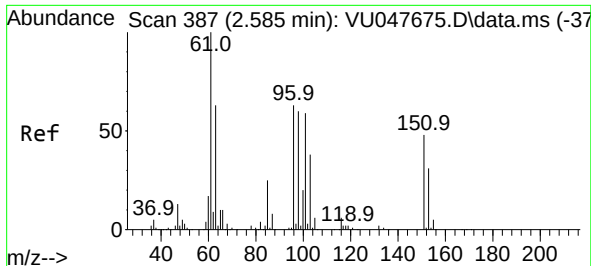
Tgt Ion: 62 Resp: 1178  
 Ion Ratio Lower Upper  
 62 100  
 64 101.8 23.7 43.9#



#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.647 ug/L  
 RT: 2.568 min Scan# 382  
 Delta R.T. -0.016 min  
 Lab File: VU047694.D  
 Acq: 25 Mar 2022 23:43

Tgt Ion: 101 Resp: 1599  
 Ion Ratio Lower Upper  
 101 100  
 85 0.0 32.8 49.2#  
 151 4.4 63.0 94.6#

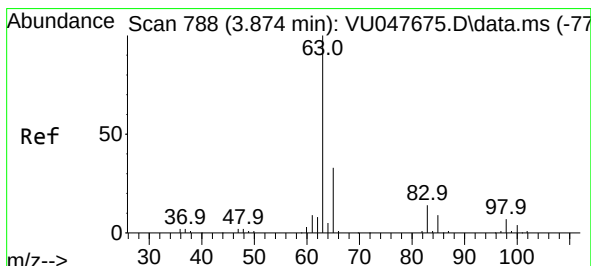
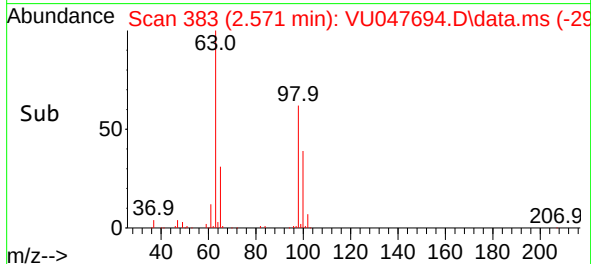
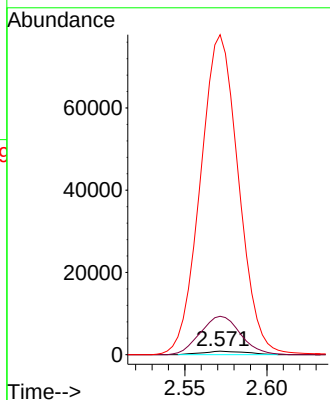
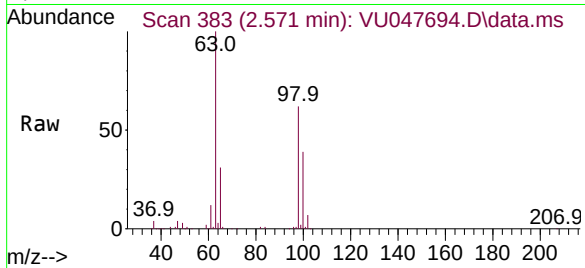




#12  
1,1-Dichloroethene  
Concen: 0.696 ug/L  
RT: 2.571 min Scan# 383  
Delta R.T. -0.013 min  
Lab File: VU047694.D  
Acq: 25 Mar 2022 23:43

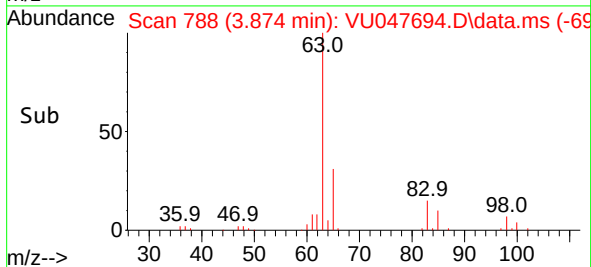
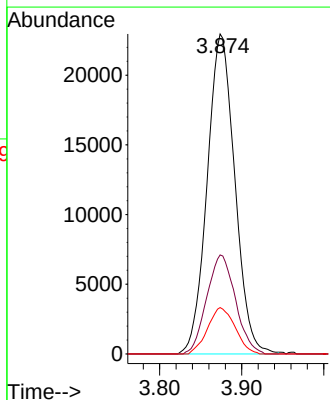
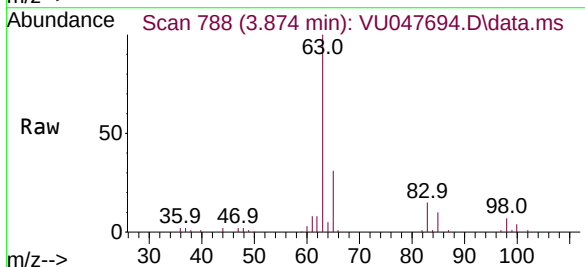
Instrument :  
MSVOA\_U  
ClientSampleId :  
EW5Z2MSD

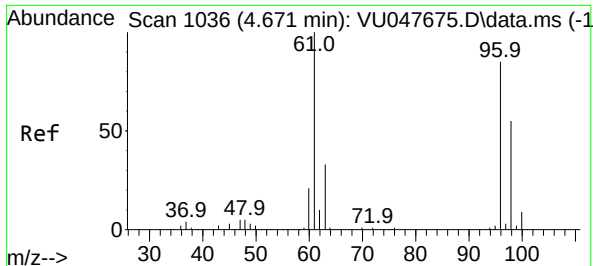
Tgt Ion: 96 Resp: 1603  
Ion Ratio Lower Upper  
96 100  
61 1112.7 113.1 210.1#  
63 9253.7 94.8 176.0#



#19  
1,1-Dichloroethane  
Concen: 12.563 ug/L  
RT: 3.874 min Scan# 788  
Delta R.T. -0.000 min  
Lab File: VU047694.D  
Acq: 25 Mar 2022 23:43

Tgt Ion: 63 Resp: 53789  
Ion Ratio Lower Upper  
63 100  
65 30.9 22.0 41.0  
83 14.5 9.7 18.1

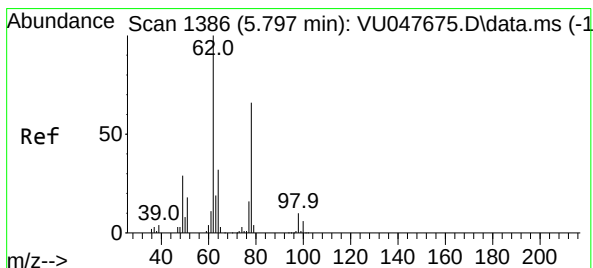
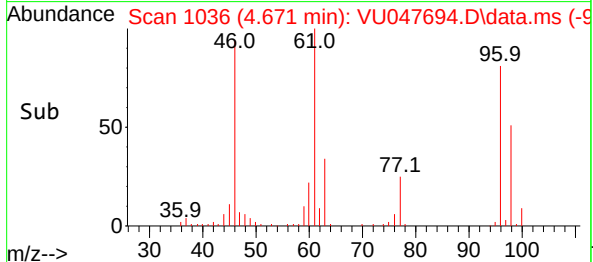
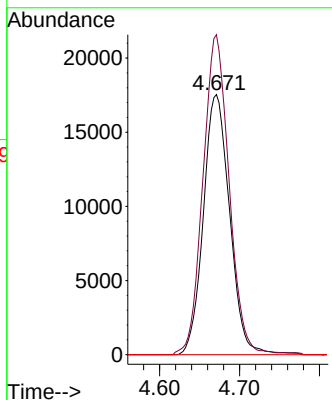
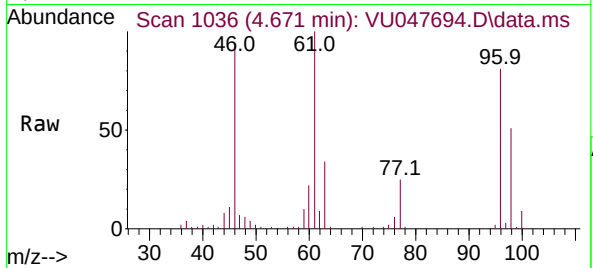




#20  
 cis-1,2-Dichloroethene  
 Concen: 14.735 ug/L  
 RT: 4.671 min Scan# 1036  
 Delta R.T. -0.000 min  
 Lab File: VU047694.D  
 Acq: 25 Mar 2022 23:43

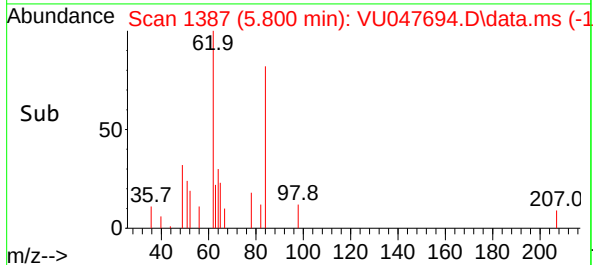
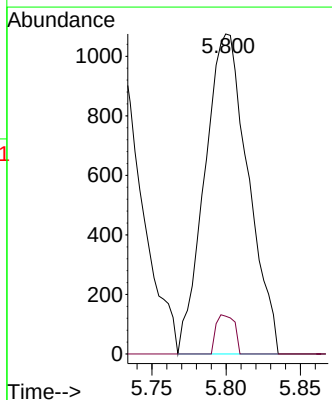
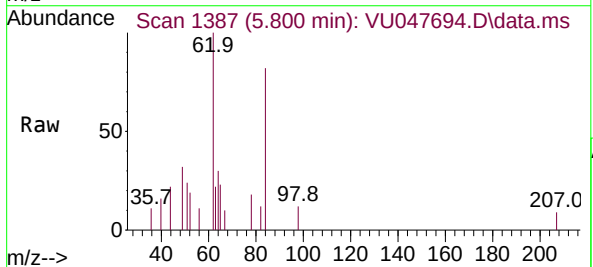
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EW5Z2MSD

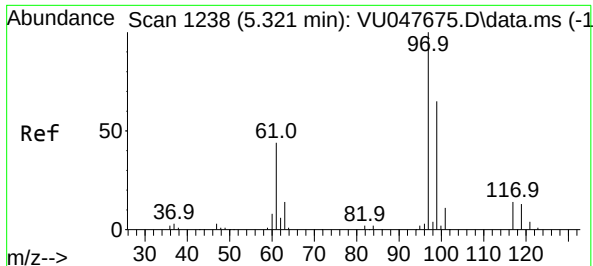
Tgt Ion: 96 Resp: 40103  
 Ion Ratio Lower Upper  
 96 100  
 61 123.0 80.7 149.9  
 68 0.0 0.0 0.0



#27  
 1,2-Dichloroethane  
 Concen: 0.615 ug/L  
 RT: 5.800 min Scan# 1387  
 Delta R.T. 0.003 min  
 Lab File: VU047694.D  
 Acq: 25 Mar 2022 23:43

Tgt Ion: 62 Resp: 2189  
 Ion Ratio Lower Upper  
 62 100  
 98 11.8 7.4 11.0#





#30

1,1,1-Trichloroethane

Concen: 0.924 ug/L

RT: 5.321 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU047694.D

Acq: 25 Mar 2022 23:43

Instrument :

MSVOA\_U

ClientSampleId :

EW5Z2MSD

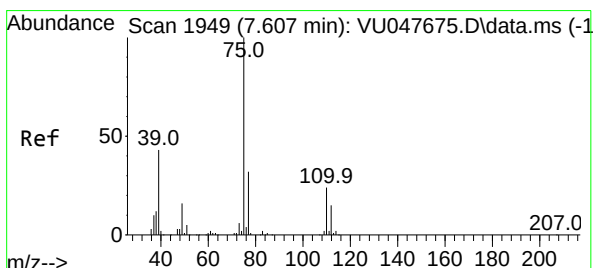
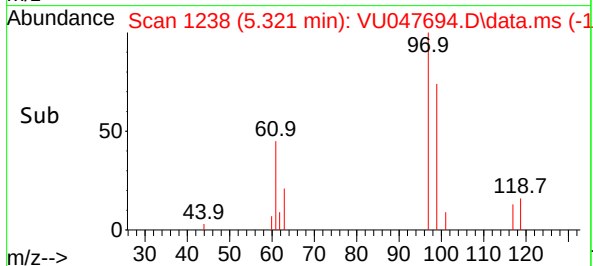
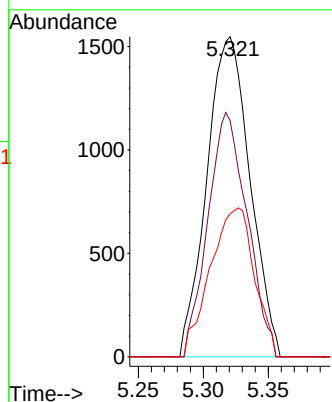
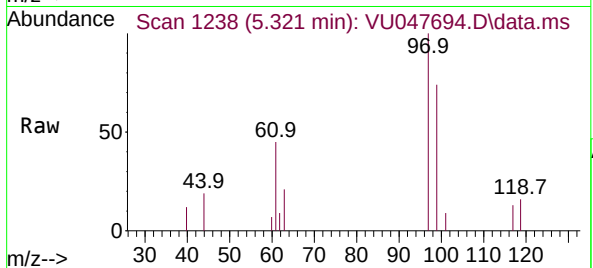
Tgt Ion: 97 Resp: 3586

Ion Ratio Lower Upper

97 100

99 69.3 51.6 77.4

61 47.4 34.2 51.4



#39

cis-1,3-Dichloropropene

Concen: 0.758 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.039 min

Lab File: VU047694.D

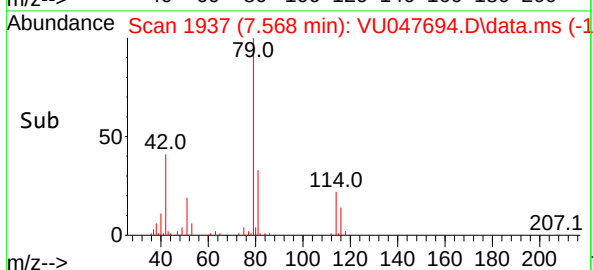
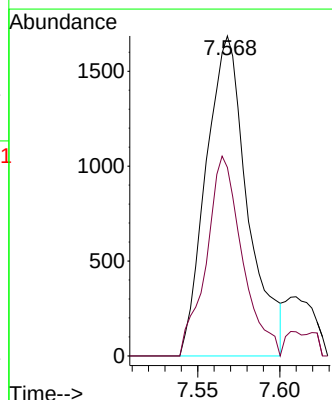
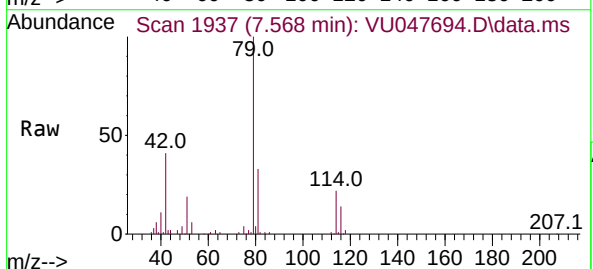
Acq: 25 Mar 2022 23:43

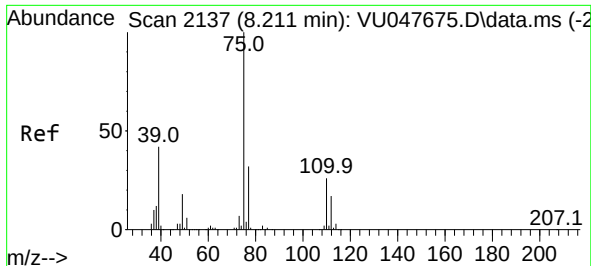
Tgt Ion: 75 Resp: 2960

Ion Ratio Lower Upper

75 100

77 58.9 21.8 40.6#

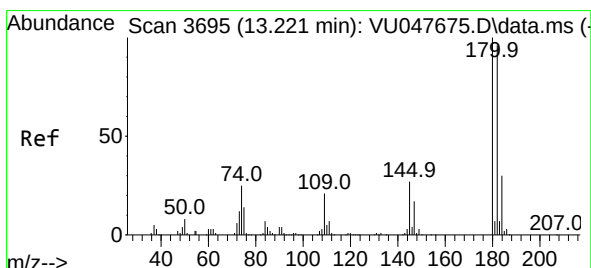
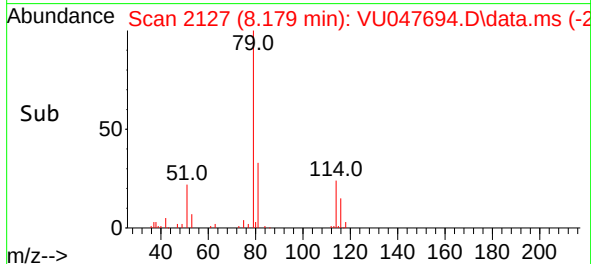
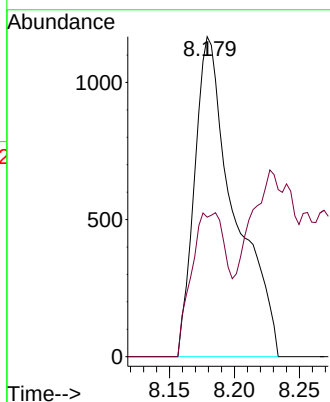
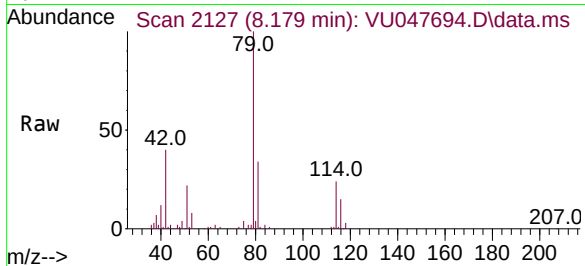




#44  
trans-1,3-Dichloropropene  
Concen: 0.637 ug/L  
RT: 8.179 min Scan# 2137  
Delta R.T. -0.032 min  
Lab File: VU047694.D  
Acq: 25 Mar 2022 23:43

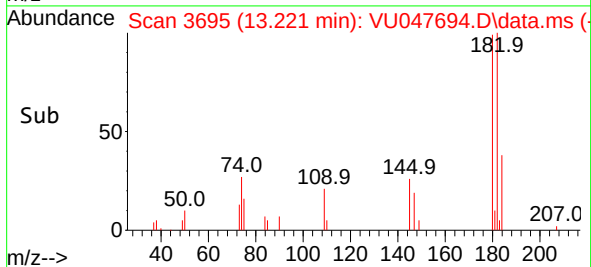
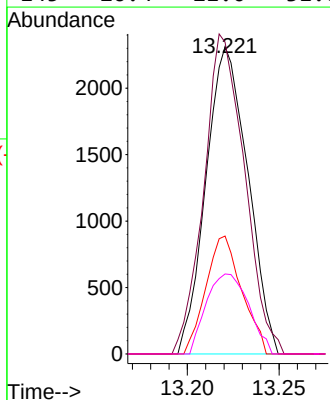
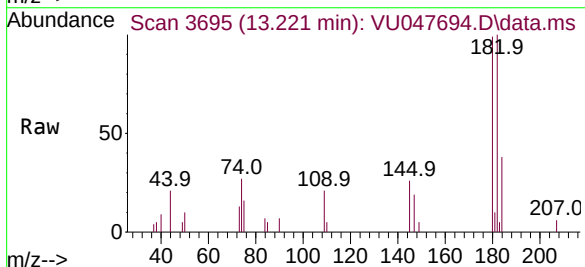
Instrument :  
MSVOA\_U  
ClientSampleId :  
EW5Z2MSD

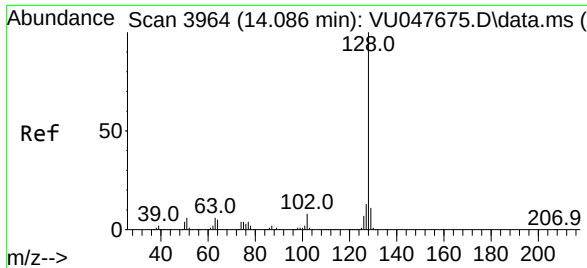
Tgt Ion: 75 Resp: 2483  
Ion Ratio Lower Upper  
75 100  
77 43.6 22.0 40.8#



#69  
1,3,5-Trichlorobenzene  
Concen: 0.812 ug/L  
RT: 13.221 min Scan# 3695  
Delta R.T. -0.000 min  
Lab File: VU047694.D  
Acq: 25 Mar 2022 23:43

Tgt Ion:180 Resp: 3666  
Ion Ratio Lower Upper  
180 100  
182 101.0 77.0 115.6  
184 33.0 24.5 36.7  
145 26.4 21.0 31.6





#71

Naphthalene

Concen: 3.280 ug/L

RT: 14.089 min Scan# 3965

Delta R.T. 0.003 min

Lab File: VU047694.D

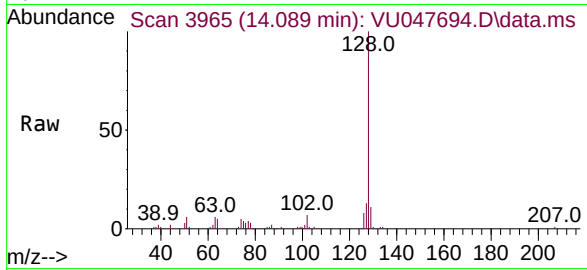
Acq: 25 Mar 2022 23:43

Instrument :

MSVOA\_U

ClientSampleId :

EW5Z2MSD



Tgt Ion:128 Resp: 38674

Ion Ratio Lower Upper

128 100

127 13.6 10.2 15.2

129 10.7 8.8 13.2

