

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW112421\  
 Data File : VW023706.D  
 Acq On : 24 Nov 2021 17:28  
 Operator : SY/MD  
 Sample : M4821-08  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Nov 26 01:55:17 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR112321WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Nov 26 01:51:50 2021  
 Response via : Initial Calibration

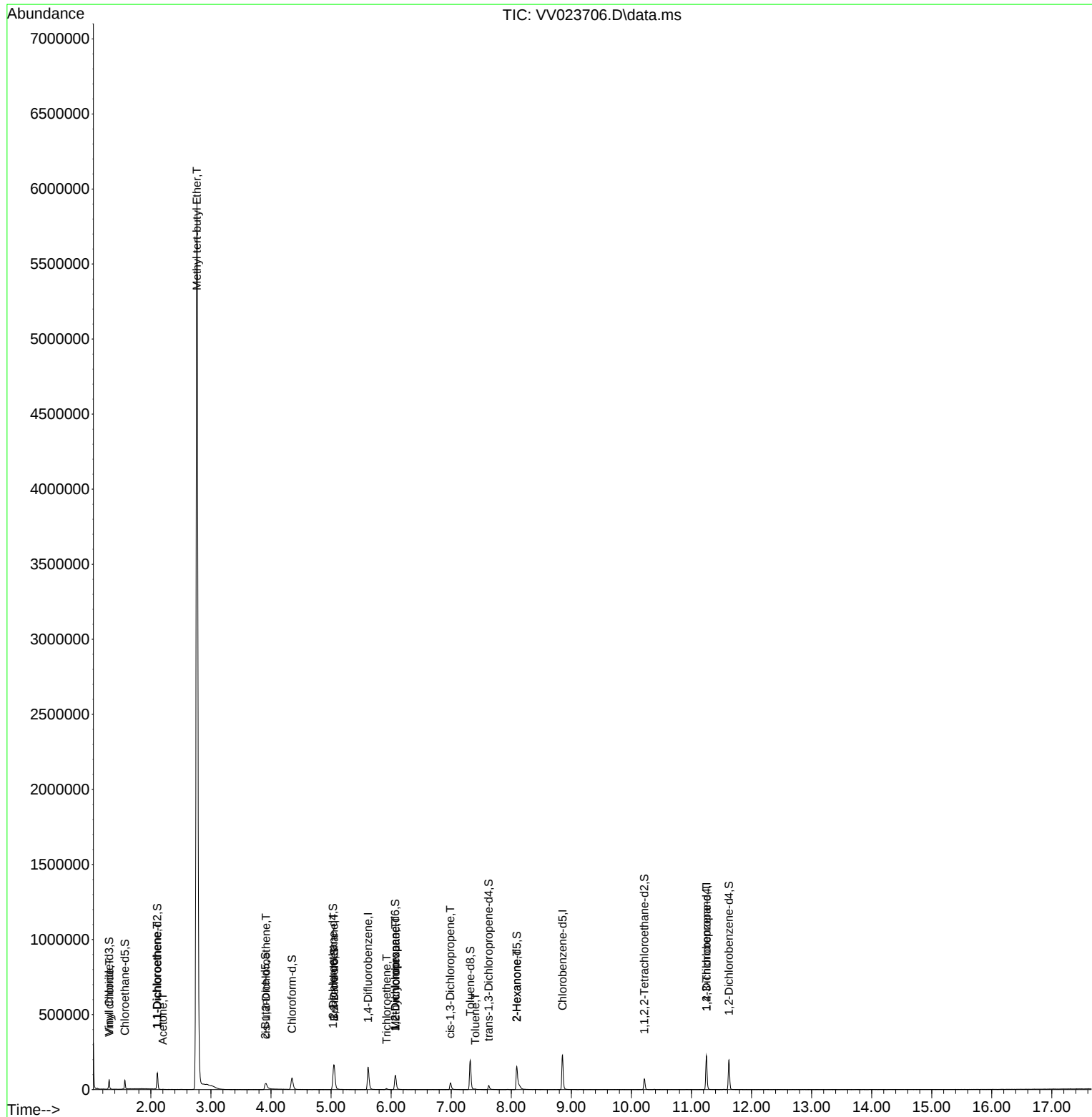
| Compound                      | R.T.   | QIon           | Response | Conc    | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|---------|----------|----------|
| Internal Standards            |        |                |          |         |          |          |
| 1) 1,4-Difluorobenzene        | 5.616  | 114            | 134511   | 5.000   | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 8.854  | 117            | 132587   | 5.000   | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152            | 61811    | 5.000   | ug/L     | 0.00     |
| System Monitoring Compounds   |        |                |          |         |          |          |
| 4) Vinyl Chloride-d3          | 1.307  | 65             | 38765    | 3.511   | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =       | 70.200%  |          |
| 7) Chloroethane-d5            | 1.568  | 69             | 34240    | 3.945   | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =       | 78.800%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63             | 54296    | 2.790   | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =       | 55.800%# |          |
| 20) 2-Butanone-d5             | 3.905  | 46             | 46728    | 35.201  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =       | 70.400%  |          |
| 24) Chloroform-d              | 4.349  | 84             | 79333    | 4.126   | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =       | 82.600%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.034  | 65             | 39997    | 4.453   | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =       | 89.000%  |          |
| 32) Benzene-d6                | 5.053  | 84             | 150754   | 4.174   | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =       | 83.400%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.069  | 67             | 45139    | 4.458   | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =       | 89.200%  |          |
| 41) Toluene-d8                | 7.317  | 98             | 128622   | 3.811   | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =       | 76.200%  |          |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79             | 16741    | 4.102   | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =       | 82.000%  |          |
| 46) 2-Hexanone-d5             | 8.092  | 63             | 64837    | 47.813  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =       | 95.620%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84             | 34204    | 4.694   | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =       | 93.800%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152            | 52169    | 4.774   | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =       | 95.400%  |          |
| Target Compounds              |        |                |          |         |          |          |
|                               |        |                |          |         | Qvalue   |          |
| 5) Vinyl chloride             | 1.310  | 62             | 481      | 0.041   | ug/L #   | 1        |
| 12) 1,1-Dichloroethene        | 2.105  | 96             | 590      | 0.065   | ug/L #   | 1        |
| 13) Acetone                   | 2.198  | 43             | 2117     | 1.772   | ug/L     | 68       |
| 17) Methyl tert-butyl Ether   | 2.767  | 73             | 6193222  | 335.333 | ug/L     | 99       |
| 22) cis-1,2-Dichloroethene    | 3.918  | 96             | 11573    | 1.176   | ug/L     | 99       |
| 27) 1,2-Dichloroethane        | 5.050  | 62             | 868      | 0.085   | ug/L #   | 73       |
| 34) Trichloroethene           | 5.924  | 95             | 2190     | 0.216   | ug/L     | 83       |
| 35) Methylcyclohexane         | 6.072  | 83             | 11920    | 0.755   | ug/L #   | 18       |
| 37) 1,2-Dichloropropane       | 6.072  | 63             | 5545     | 0.617   | ug/L #   | 84       |
| 39) cis-1,3-Dichloropropene   | 6.985  | 75             | 1346     | 0.105   | ug/L #   | 61       |
| 42) Toluene                   | 7.403  | 91             | 2474     | 0.060   | ug/L     | 88       |
| 48) 2-Hexanone                | 8.092  | 43             | 7310     | 2.306   | ug/L #   | 71       |
| 61) 1,2,3-Trichloropropane    | 11.249 | 75             | 6522     | 1.488   | ug/L #   | 61       |

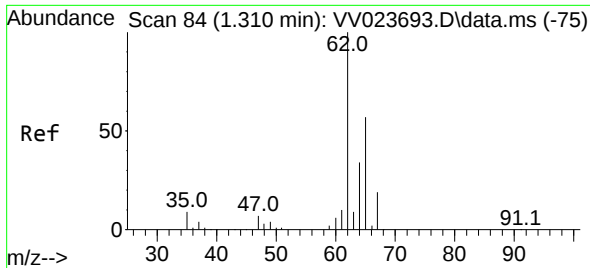
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV112421\  
Data File : VV023706.D  
Acq On : 24 Nov 2021 17:28  
Operator : SY/MD  
Sample : M4821-08  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

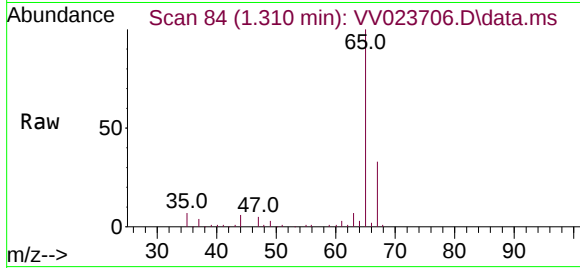
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR112321WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Nov 26 01:51:50 2021  
Response via : Initial Calibration



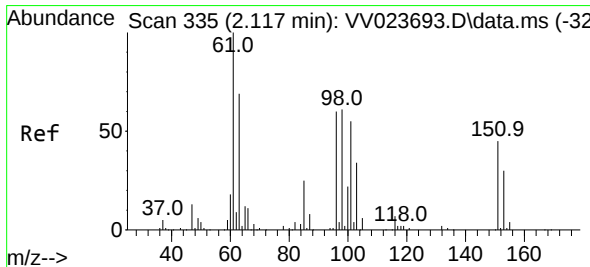
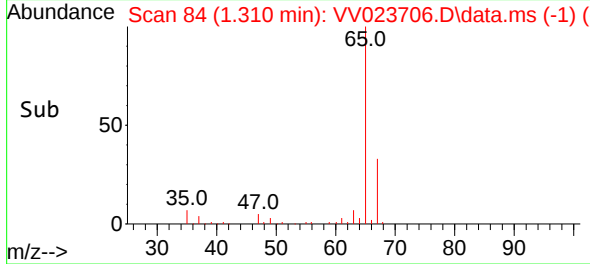
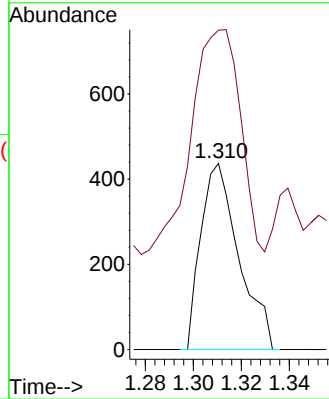


#5  
 Vinyl chloride  
 Concen: 0.041 ug/L  
 RT: 1.310 min Scan# 84  
 Delta R.T. 0.000 min  
 Lab File: VV023706.D  
 Acq: 24 Nov 2021 17:28

Instrument :  
 MSVOA\_V  
 ClientSampleId :

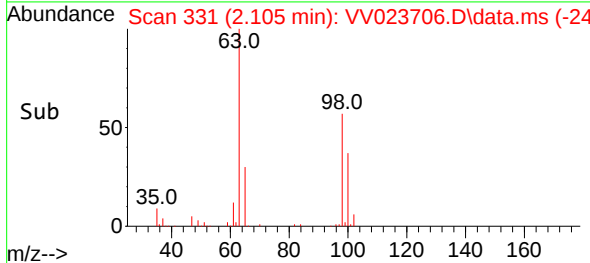
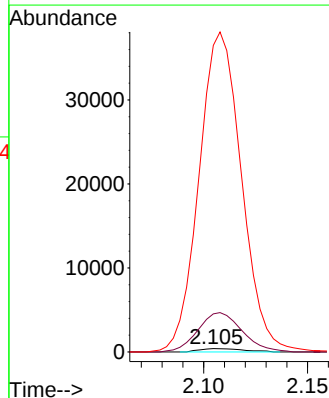
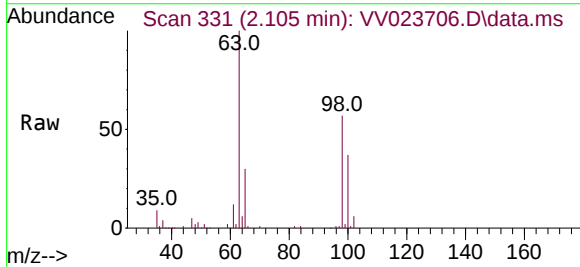


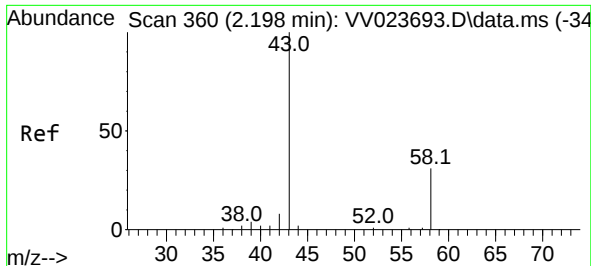
Tgt Ion: 62 Resp: 481  
 Ion Ratio Lower Upper  
 62 100  
 64 171.6 22.4 41.6#



#12  
 1,1-Dichloroethene  
 Concen: 0.065 ug/L  
 RT: 2.105 min Scan# 331  
 Delta R.T. -0.013 min  
 Lab File: VV023706.D  
 Acq: 24 Nov 2021 17:28

Tgt Ion: 96 Resp: 590  
 Ion Ratio Lower Upper  
 96 100  
 61 1138.1 116.1 215.5#  
 63 9144.9 79.4 147.4#





#13

Acetone

Concen: 1.772 ug/L

RT: 2.198 min Scan# 3

Delta R.T. 0.000 min

Lab File: VV023706.D

Acq: 24 Nov 2021 17:28

Instrument :

MSVOA\_V

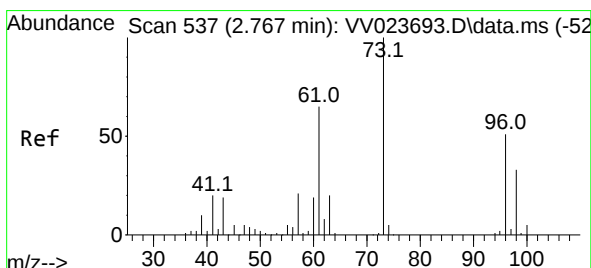
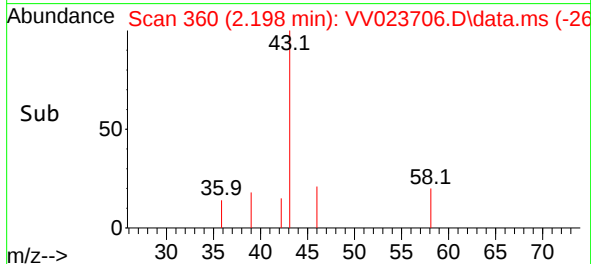
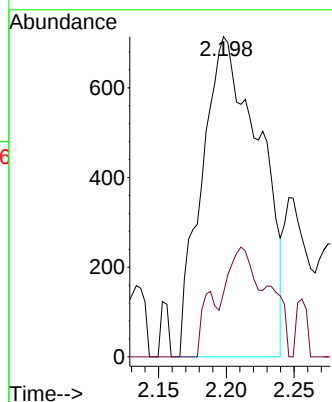
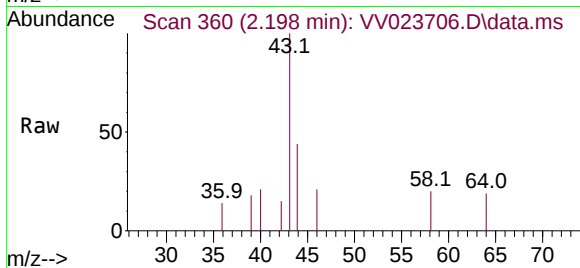
ClientSampleId :

Tgt Ion: 43 Resp: 2117

Ion Ratio Lower Upper

43 100

58 5.6 0.0 41.4



#17

Methyl tert-butyl Ether

Concen: 335.333 ug/L

RT: 2.767 min Scan# 537

Delta R.T. 0.000 min

Lab File: VV023706.D

Acq: 24 Nov 2021 17:28

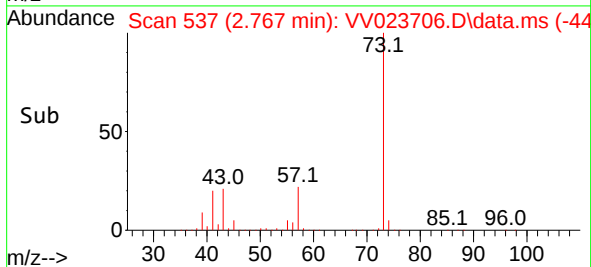
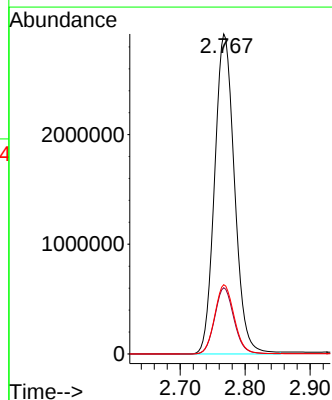
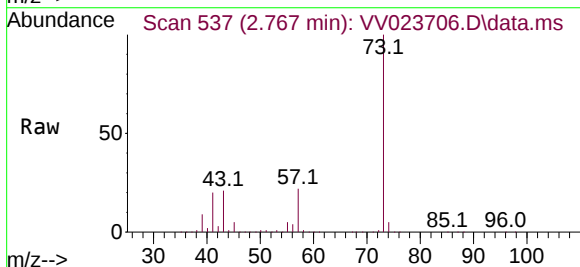
Tgt Ion: 73 Resp: 6193222

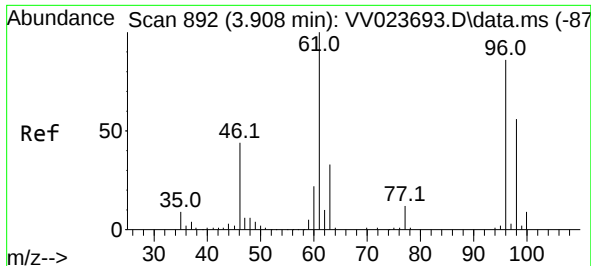
Ion Ratio Lower Upper

73 100

43 20.1 15.5 23.3

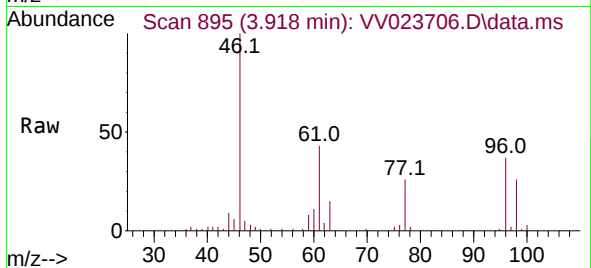
57 21.2 17.1 25.7



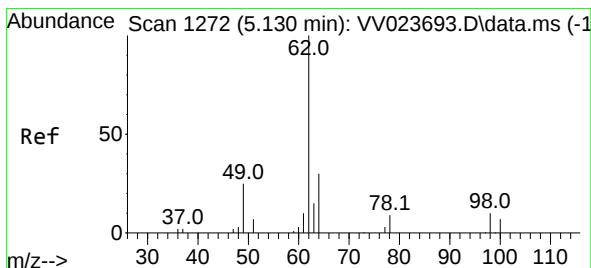
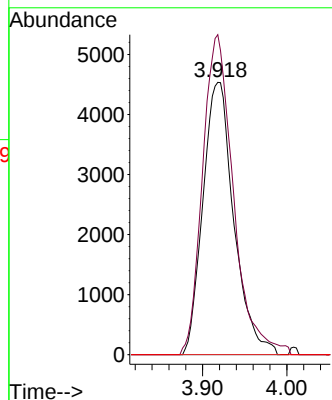
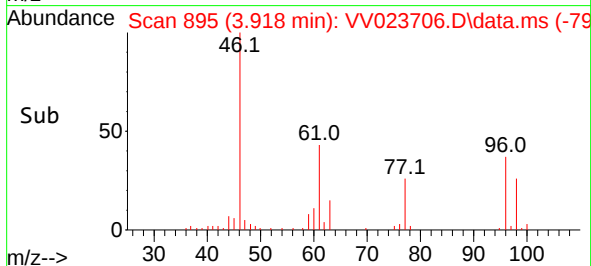


#22  
 cis-1,2-Dichloroethene  
 Concen: 1.176 ug/L  
 RT: 3.918 min Scan# 89  
 Delta R.T. 0.010 min  
 Lab File: VV023706.D  
 Acq: 24 Nov 2021 17:28

Instrument :  
 MSVOA\_V  
 ClientSampleId :

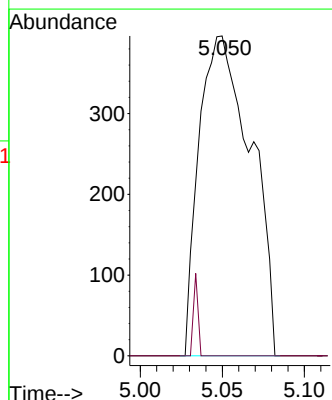
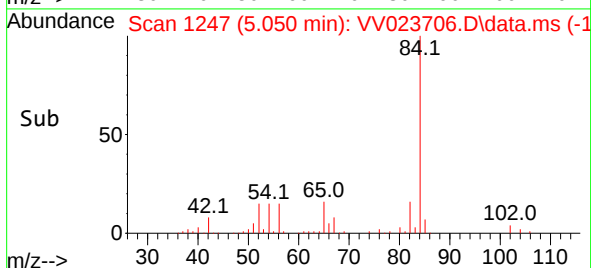
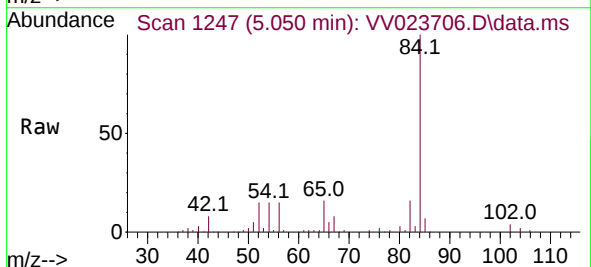


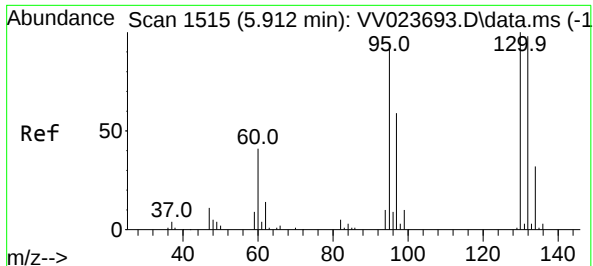
Tgt Ion: 96 Resp: 11573  
 Ion Ratio Lower Upper  
 96 100  
 61 117.5 83.4 154.8  
 68 0.0 0.0 0.0



#27  
 1,2-Dichloroethane  
 Concen: 0.085 ug/L  
 RT: 5.050 min Scan# 1247  
 Delta R.T. -0.080 min  
 Lab File: VV023706.D  
 Acq: 24 Nov 2021 17:28

Tgt Ion: 62 Resp: 868  
 Ion Ratio Lower Upper  
 62 100  
 98 0.0 8.1 12.1#



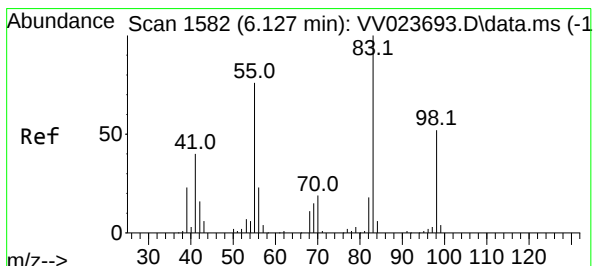
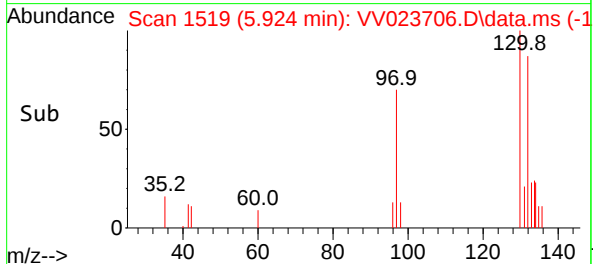
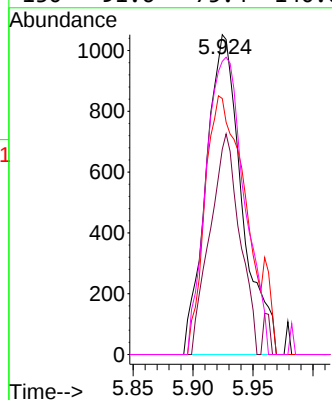
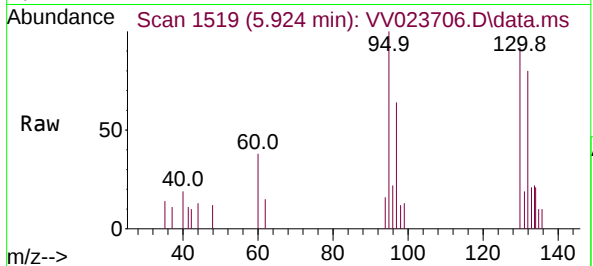


#34  
Trichloroethene  
Concen: 0.216 ug/L  
RT: 5.924 min Scan# 11  
Delta R.T. 0.013 min  
Lab File: VV023706.D  
Acq: 24 Nov 2021 17:28

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion: 95 Resp: 2190

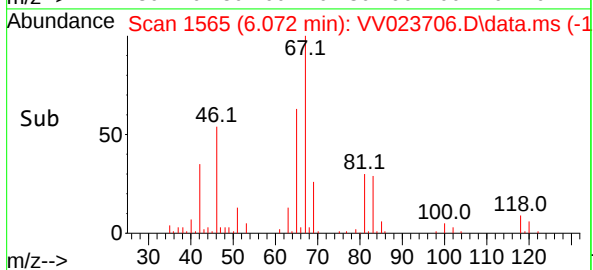
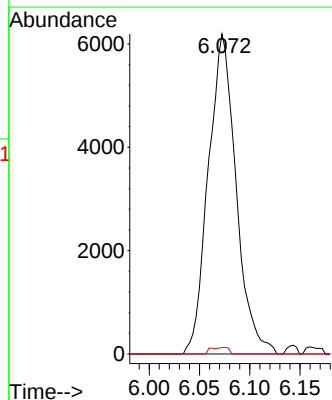
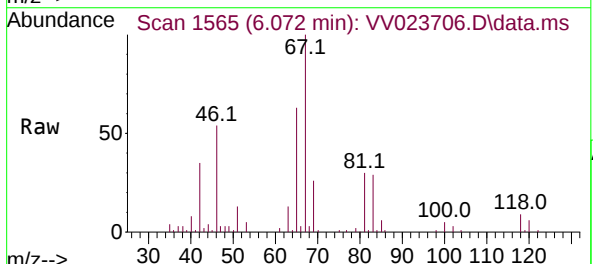
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 64.2  | 45.2  | 84.0  |
| 132 | 80.0  | 76.1  | 141.3 |
| 130 | 91.6  | 75.4  | 140.0 |

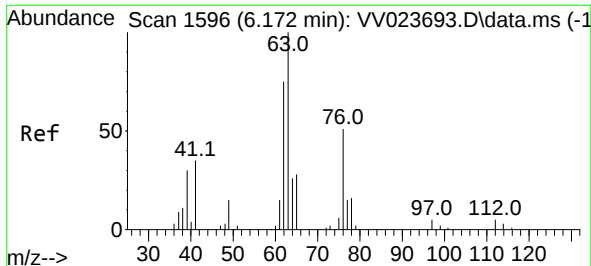


#35  
Methylcyclohexane  
Concen: 0.755 ug/L  
RT: 6.072 min Scan# 1565  
Delta R.T. -0.055 min  
Lab File: VV023706.D  
Acq: 24 Nov 2021 17:28

Tgt Ion: 83 Resp: 11920

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 0.2   | 60.2  | 90.2# |
| 98  | 0.8   | 41.0  | 61.4# |





#37

1,2-Dichloropropane

Concen: 0.617 ug/L

RT: 6.072 min Scan# 11

Delta R.T. -0.100 min

Lab File: VV023706.D

Acq: 24 Nov 2021 17:28

Instrument :

MSVOA\_V

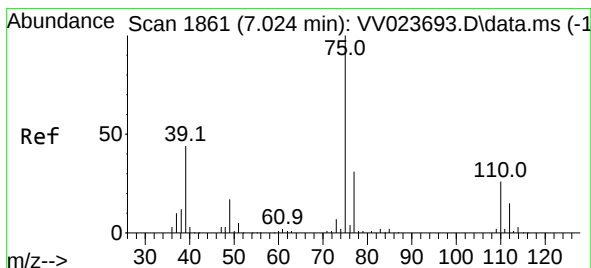
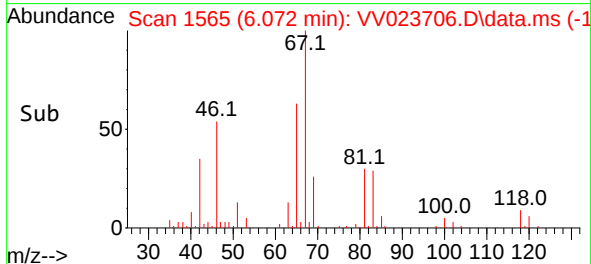
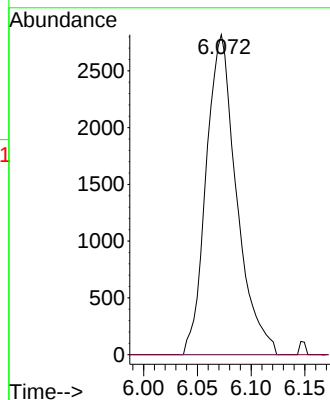
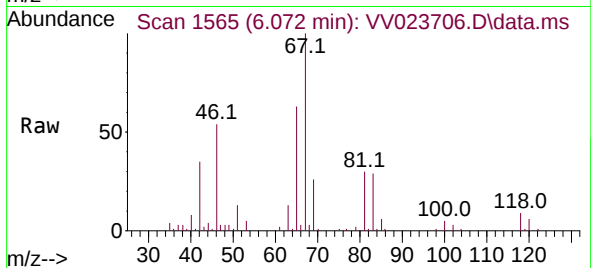
ClientSampleId :

Tgt Ion: 63 Resp: 5545

Ion Ratio Lower Upper

63 100

112 0.0 4.3 6.5#



#39

cis-1,3-Dichloropropene

Concen: 0.105 ug/L

RT: 6.985 min Scan# 1849

Delta R.T. -0.039 min

Lab File: VV023706.D

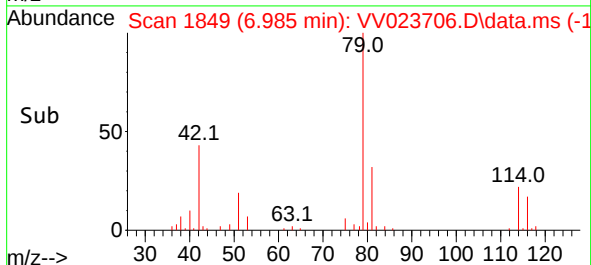
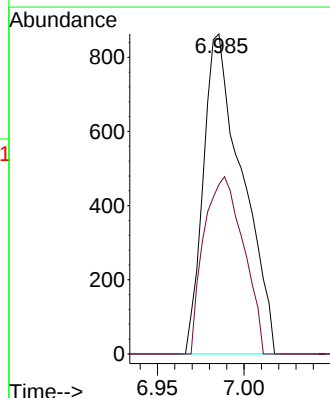
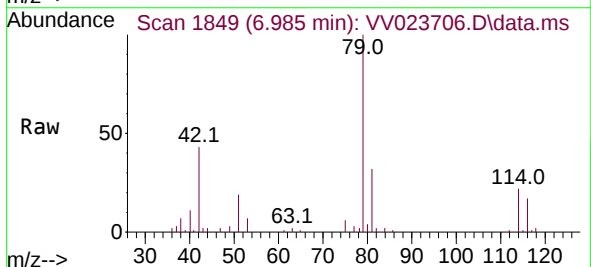
Acq: 24 Nov 2021 17:28

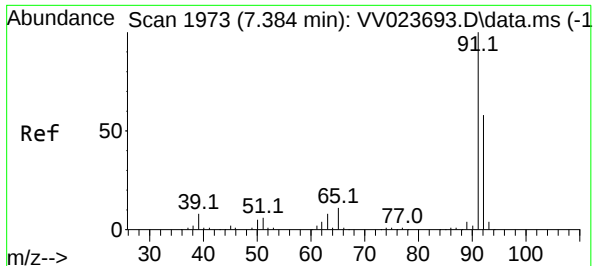
Tgt Ion: 75 Resp: 1346

Ion Ratio Lower Upper

75 100

77 53.0 22.0 41.0#

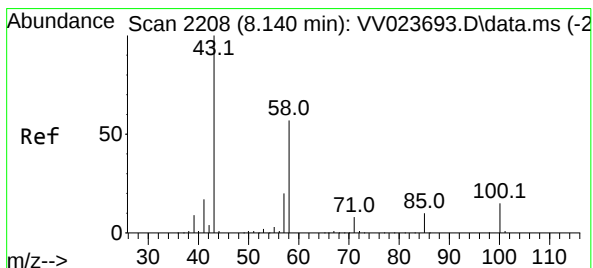
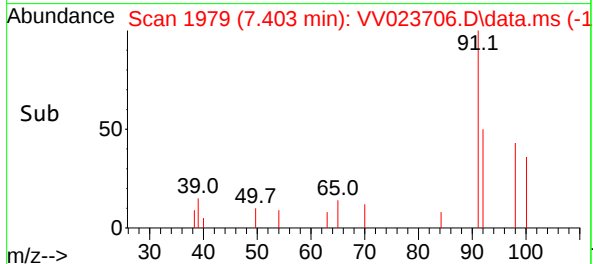
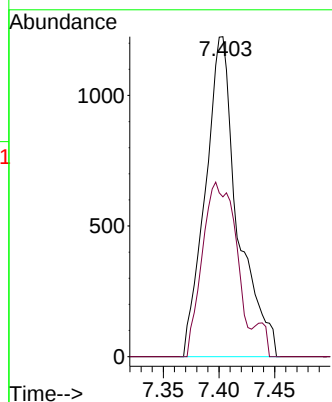
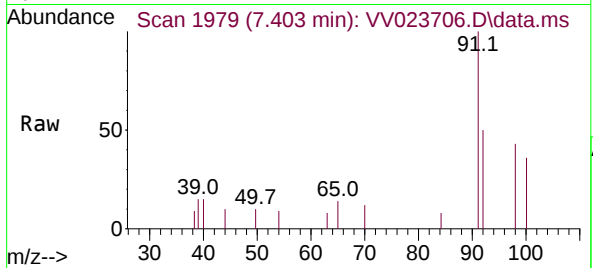




#42  
Toluene  
Concen: 0.060 ug/L  
RT: 7.403 min Scan# 1973  
Delta R.T. 0.019 min  
Lab File: VV023706.D  
Acq: 24 Nov 2021 17:28

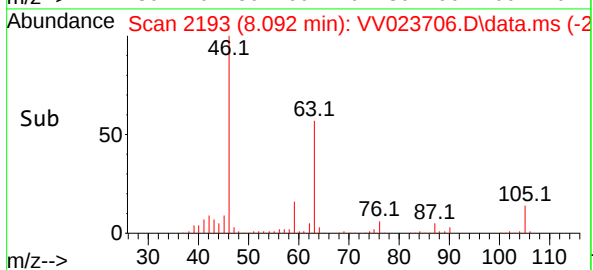
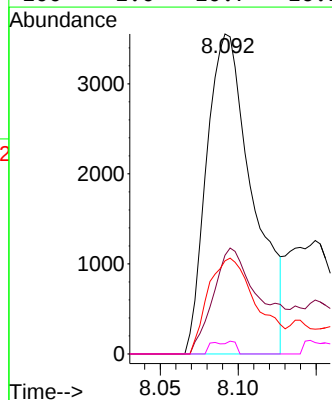
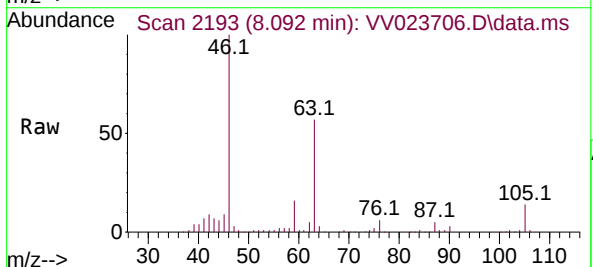
Instrument :  
MSVOA\_V  
ClientSampleId :

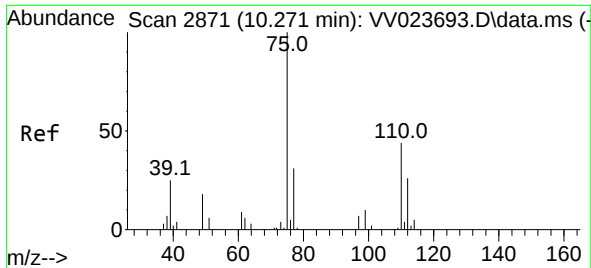
Tgt Ion: 91 Resp: 2474  
Ion Ratio Lower Upper  
91 100  
92 50.0 41.5 77.1



#48  
2-Hexanone  
Concen: 2.306 ug/L  
RT: 8.092 min Scan# 2193  
Delta R.T. -0.048 min  
Lab File: VV023706.D  
Acq: 24 Nov 2021 17:28

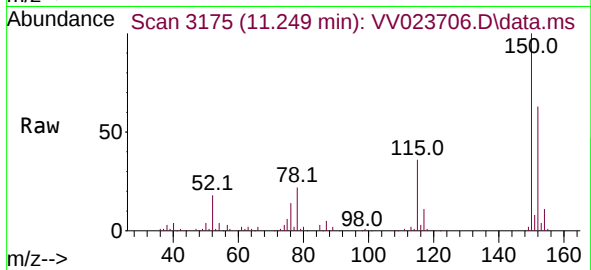
Tgt Ion: 43 Resp: 7310  
Ion Ratio Lower Upper  
43 100  
58 35.5 44.5 66.7#  
57 32.1 15.1 22.7#  
100 1.0 10.7 16.1#





#61  
 1,2,3-Trichloropropane  
 Concen: 1.488 ug/L  
 RT: 11.249 min Scan# 31  
 Delta R.T. 0.977 min  
 Lab File: VV023706.D  
 Acq: 24 Nov 2021 17:28

Instrument :  
 MSVOA\_V  
 ClientSampleId :



Tgt Ion: 75 Resp: 6522  
 Ion Ratio Lower Upper  
 75 100  
 77 29.6 26.4 39.6  
 110 1.6 34.2 51.2#

