

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV111722\  
 Data File : VV029058.D  
 Acq On : 17 Nov 2022 13:04  
 Operator : SY/MD  
 Sample : N5621-02DL 5X  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BGCB9DL

Quant Time: Nov 18 01:41:30 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111122WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Nov 18 01:37:41 2022  
 Response via : Initial Calibration

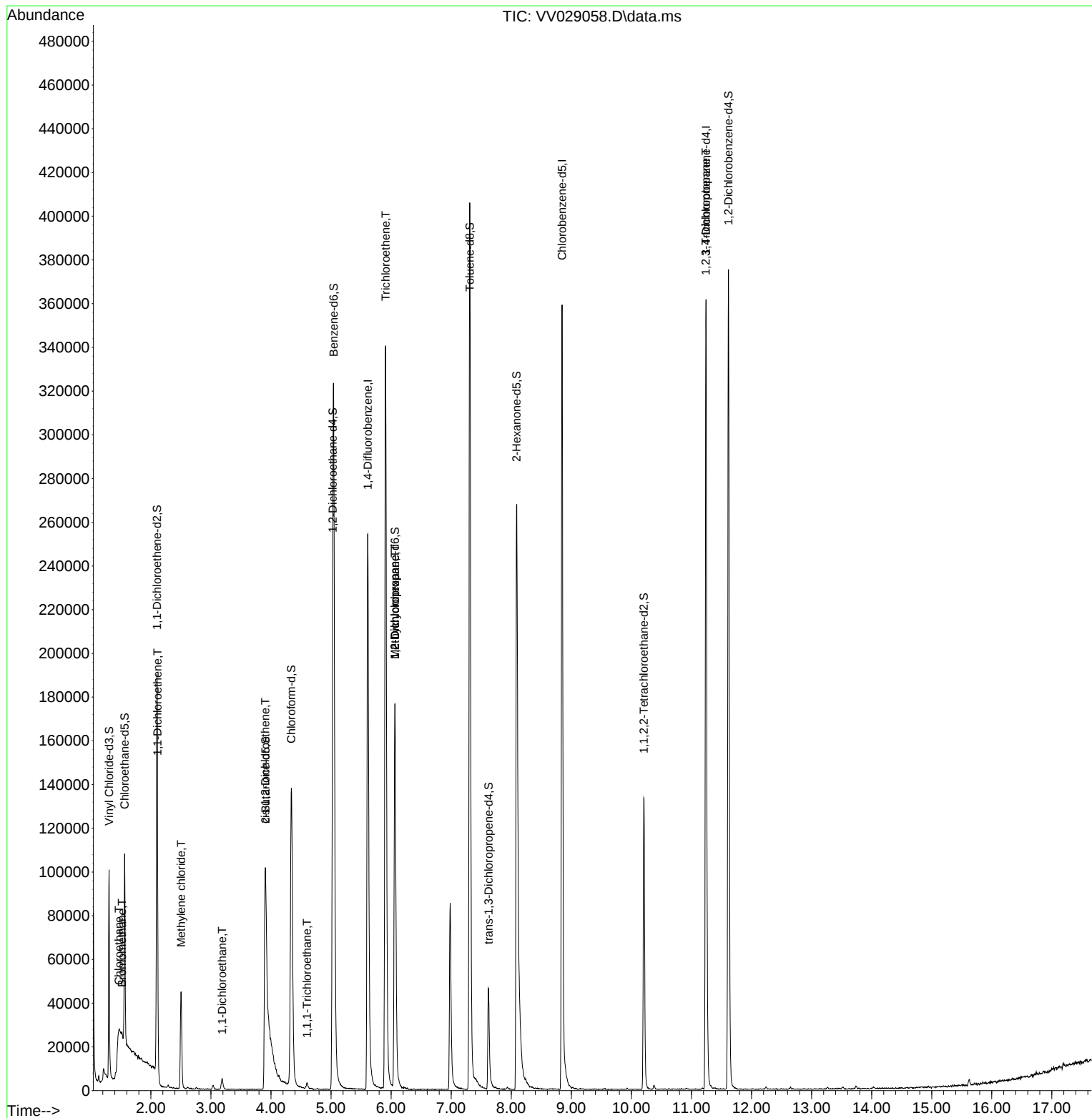
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.612  | 114   | 248379   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.847  | 117   | 229256   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.242 | 152   | 109037   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65    | 62869    | 4.152    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 83.000%  |
| 7) Chloroethane-d5            | 1.564  | 69    | 54402    | 4.087    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 81.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.101  | 63    | 89371    | 3.239    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 64.800%  |
| 20) 2-Butanone-d5             | 3.908  | 46    | 23047    | 9.092    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 18.180%# |
| 24) Chloroform-d              | 4.339  | 84    | 153031   | 4.922    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 98.400%  |
| 26) 1,2-Dichloroethane-d4     | 5.027  | 65    | 71020    | 5.077    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 101.600% |
| 32) Benzene-d6                | 5.043  | 84    | 322218   | 4.709    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 94.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.063  | 67    | 92870    | 4.860    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 97.200%  |
| 41) Toluene-d8                | 7.310  | 98    | 292843   | 4.754    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 95.000%  |
| 43) trans-1,3-Dichloroprop... | 7.622  | 79    | 32403    | 5.199    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 104.000% |
| 46) 2-Hexanone-d5             | 8.088  | 63    | 123998   | 46.613   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 93.220%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.207 | 84    | 67101    | 5.065    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 101.200% |
| 66) 1,2-Dichlorobenzene-d4    | 11.615 | 152   | 110431   | 5.661    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 113.200% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 6) Bromomethane               | 1.519  | 94    | 1087     | 0.093    | ug/L   | 97       |
| 8) Chloroethane               | 1.468  | 64    | 54186    | 4.704    | ug/L # | 52       |
| 12) 1,1-Dichloroethene        | 2.111  | 96    | 1287     | 0.086    | ug/L # | 1        |
| 16) Methylene chloride        | 2.503  | 84    | 20654    | 1.062    | ug/L   | 93       |
| 19) 1,1-Dichloroethane        | 3.185  | 63    | 5306     | 0.186    | ug/L   | 91       |
| 22) cis-1,2-Dichloroethene    | 3.905  | 96    | 43405    | 2.448    | ug/L   | 99       |
| 29) 1,1,1-Trichloroethane     | 4.600  | 97    | 2045     | 0.076    | ug/L   | 97       |
| 34) Trichloroethene           | 5.908  | 95    | 123779   | 6.901    | ug/L   | 96       |
| 35) Methylcyclohexane         | 6.063  | 83    | 22136    | 0.702    | ug/L # | 21       |
| 37) 1,2-Dichloropropane       | 6.063  | 63    | 9821     | 0.608    | ug/L # | 85       |
| 61) 1,2,3-Trichloropropane    | 11.239 | 75    | 11340    | 1.522    | ug/L # | 64       |
| -----                         |        |       |          |          |        |          |

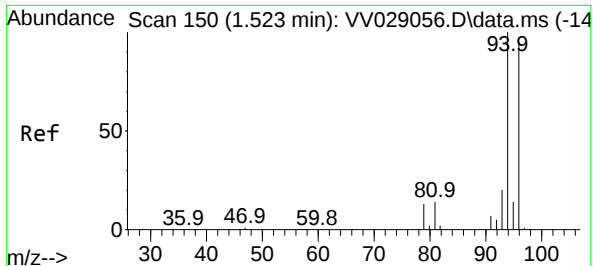
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Nov 18 01:37:41 2022  
Response via : Initial Calibration

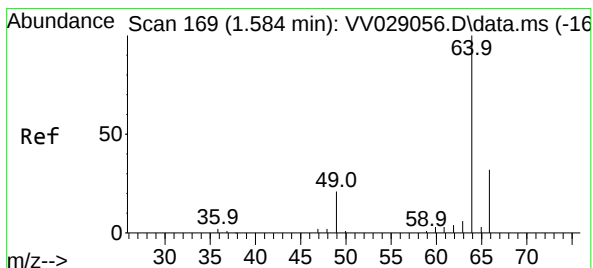
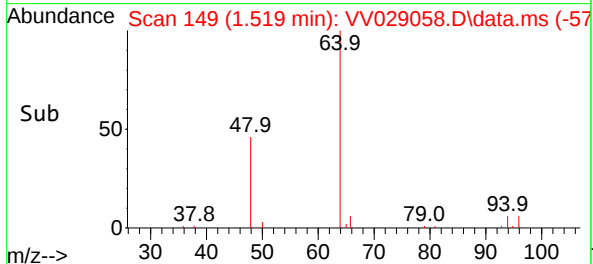
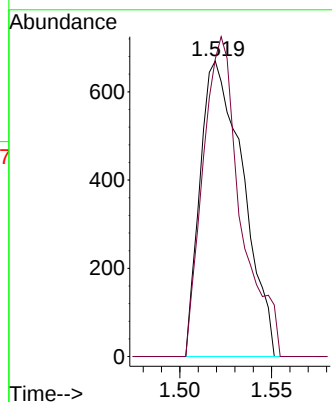
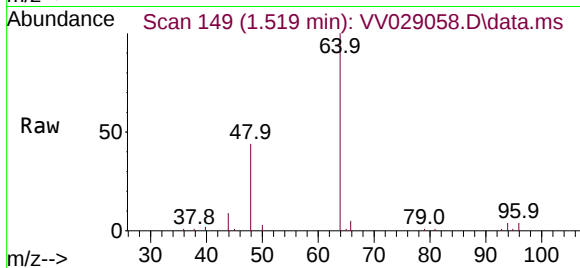




#6  
Bromomethane  
Concen: 0.093 ug/L  
RT: 1.519 min Scan# 14  
Delta R.T. -0.003 min  
Lab File: VV029058.D  
Acq: 17 Nov 2022 13:04

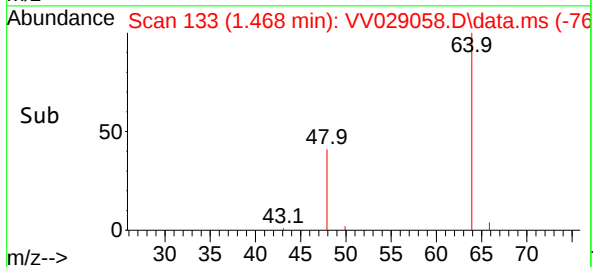
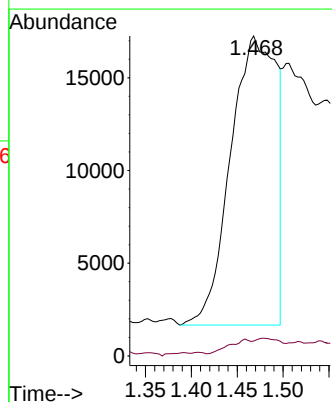
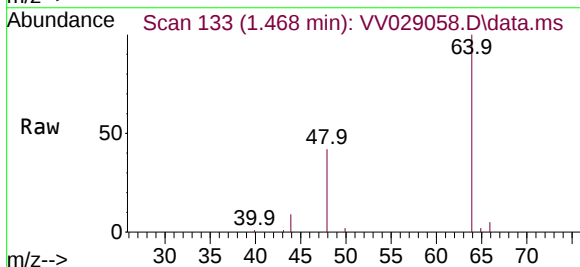
Instrument :  
MSVOA\_V  
ClientSampleId :  
BGC9DL

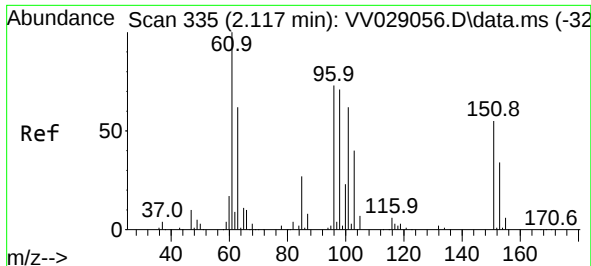
Tgt Ion: 94 Resp: 1087  
Ion Ratio Lower Upper  
94 100  
96 100.6 68.5 127.3



#8  
Chloroethane  
Concen: 4.704 ug/L  
RT: 1.468 min Scan# 133  
Delta R.T. -0.116 min  
Lab File: VV029058.D  
Acq: 17 Nov 2022 13:04

Tgt Ion: 64 Resp: 54186  
Ion Ratio Lower Upper  
64 100  
66 4.6 22.0 40.8#





#12

1,1-Dichloroethene

Concen: 0.086 ug/L

RT: 2.111 min Scan# 31

Delta R.T. -0.006 min

Lab File: VV029058.D

Acq: 17 Nov 2022 13:04

Instrument :

MSVOA\_V

ClientSampleId :

BGCB9DL

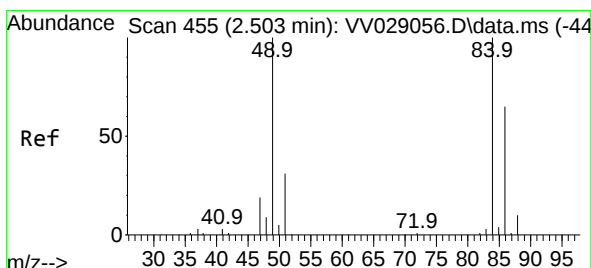
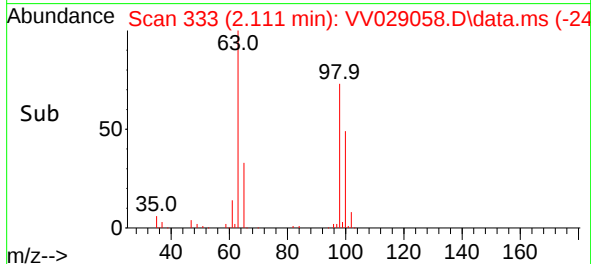
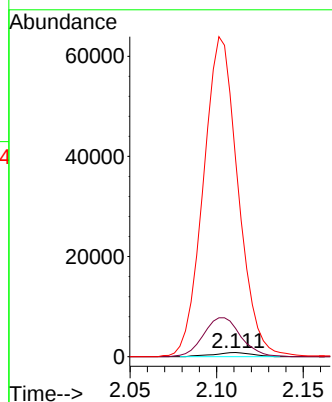
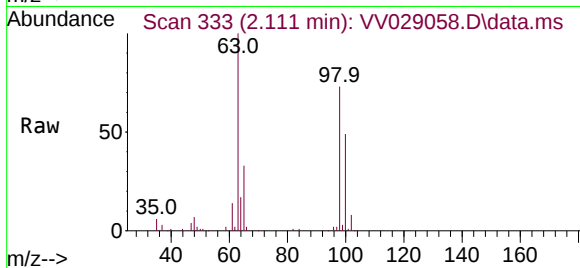
Tgt Ion: 96 Resp: 1287

Ion Ratio Lower Upper

96 100

61 690.7 104.2 193.4#

63 4817.6 75.9 140.9#



#16

Methylene chloride

Concen: 1.062 ug/L

RT: 2.503 min Scan# 455

Delta R.T. 0.000 min

Lab File: VV029058.D

Acq: 17 Nov 2022 13:04

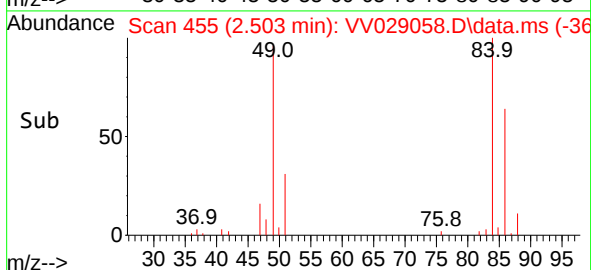
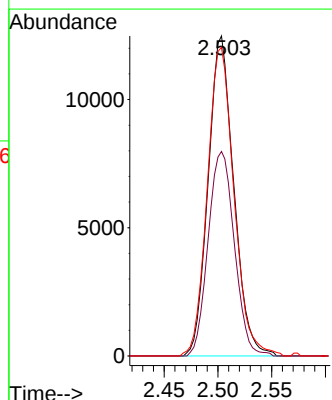
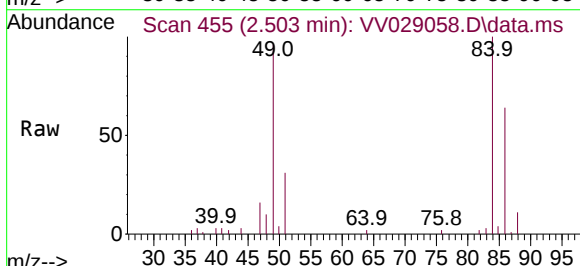
Tgt Ion: 84 Resp: 20654

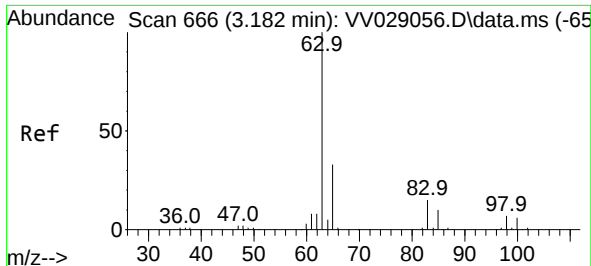
Ion Ratio Lower Upper

84 100

86 63.9 45.8 85.0

49 96.5 75.5 140.1





#19

1,1-Dichloroethane

Concen: 0.186 ug/L

RT: 3.185 min Scan# 666

Delta R.T. 0.003 min

Lab File: VV029058.D

Acq: 17 Nov 2022 13:04

Instrument :

MSVOA\_V

ClientSampleId :

BGCB9DL

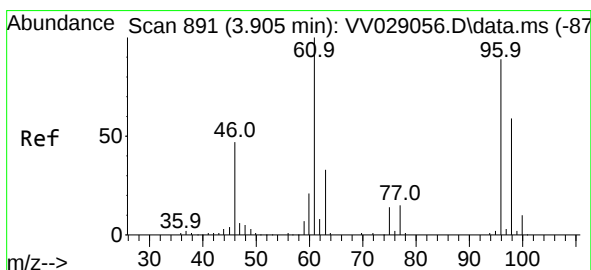
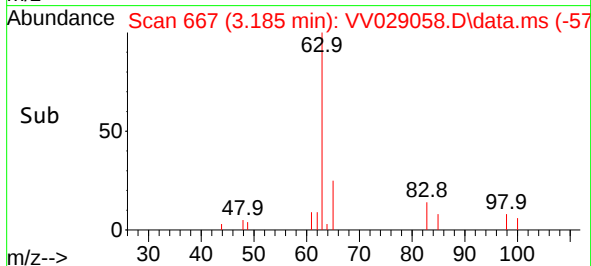
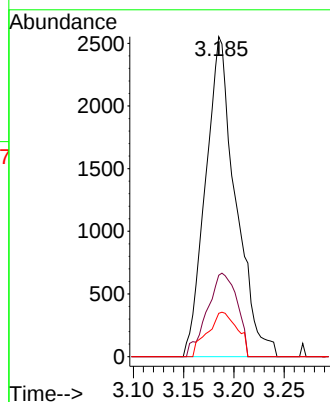
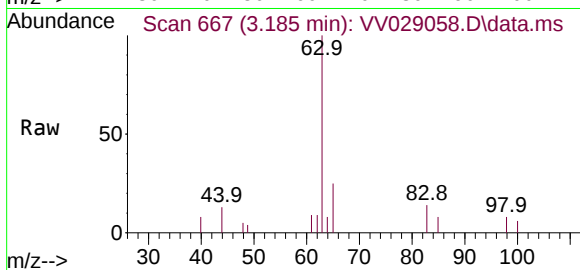
Tgt Ion: 63 Resp: 5306

Ion Ratio Lower Upper

63 100

65 25.4 23.0 42.6

83 13.6 9.4 17.6



#22

cis-1,2-Dichloroethene

Concen: 2.448 ug/L

RT: 3.905 min Scan# 891

Delta R.T. 0.000 min

Lab File: VV029058.D

Acq: 17 Nov 2022 13:04

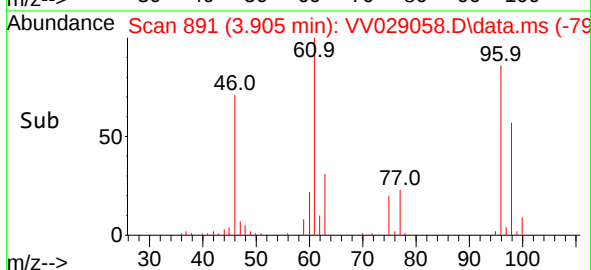
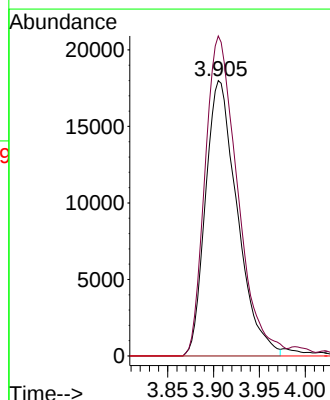
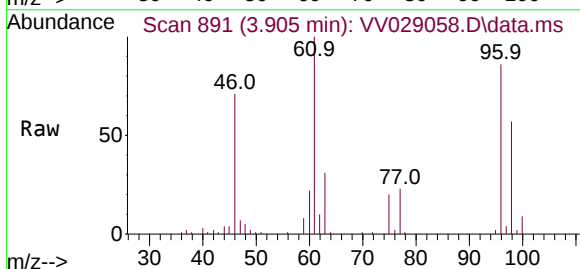
Tgt Ion: 96 Resp: 43405

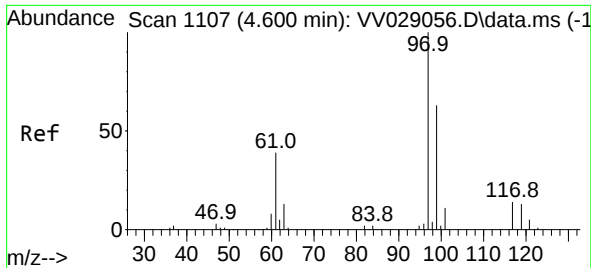
Ion Ratio Lower Upper

96 100

61 116.2 82.3 152.9

68 0.0 0.0 0.0

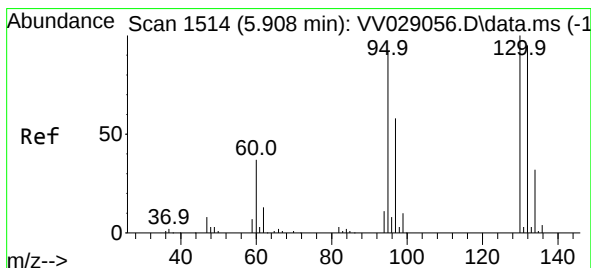
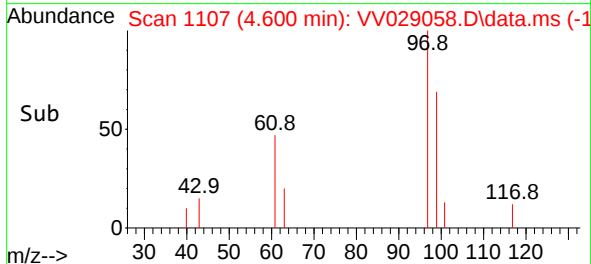
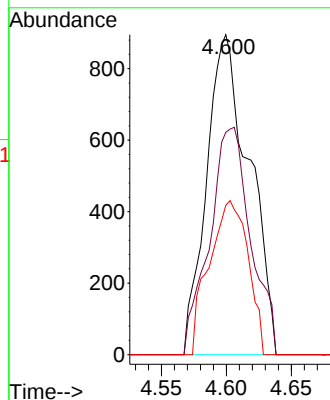
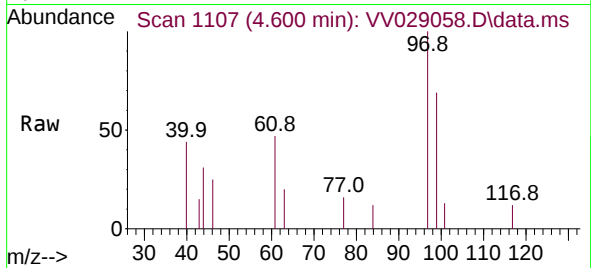




#29  
1,1,1-Trichloroethane  
Concen: 0.076 ug/L  
RT: 4.600 min Scan# 1107  
Delta R.T. 0.000 min  
Lab File: VV029058.D  
Acq: 17 Nov 2022 13:04

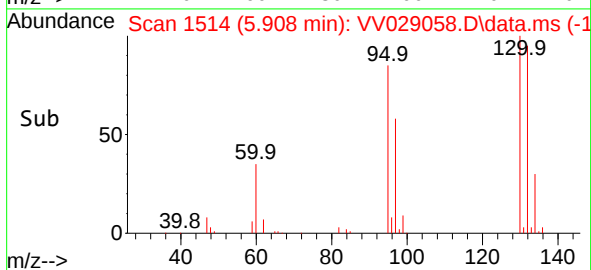
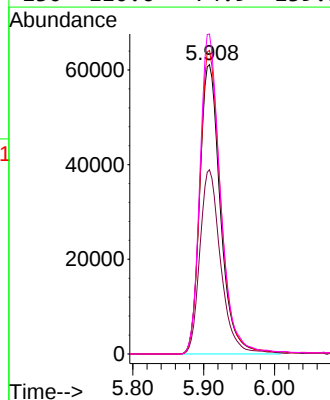
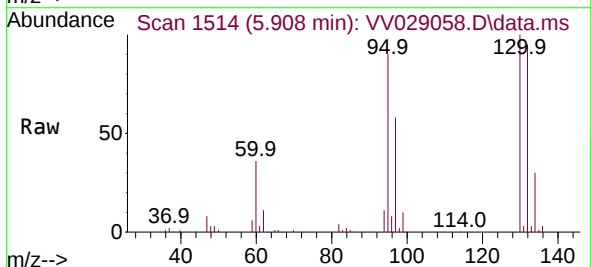
Instrument :  
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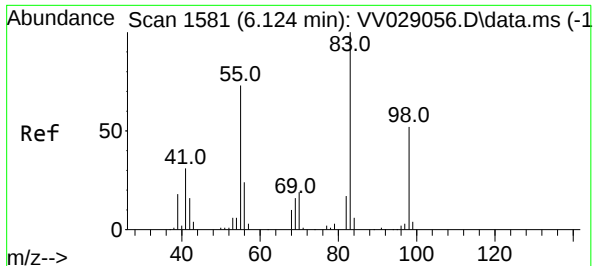
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 2045  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 68.6  | 52.7  | 79.1  |
| 61       | 43.9  | 33.8  | 50.6  |



#34  
Trichloroethene  
Concen: 6.901 ug/L  
RT: 5.908 min Scan# 1514  
Delta R.T. 0.000 min  
Lab File: VV029058.D  
Acq: 17 Nov 2022 13:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 95    | Resp: | 123779 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 97       | 63.6  | 45.6  | 84.8   |
| 132      | 104.9 | 69.1  | 128.3  |
| 130      | 110.6 | 74.9  | 139.1  |





#35

Methylcyclohexane

Concen: 0.702 ug/L

RT: 6.063 min Scan# 1562

Delta R.T. -0.061 min

Lab File: VV029058.D

Acq: 17 Nov 2022 13:04

Instrument :

MSVOA\_V

ClientSampleId :

BGCB9DL

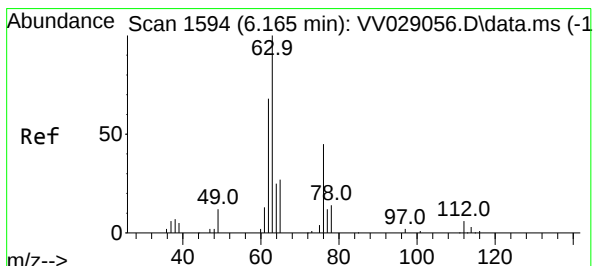
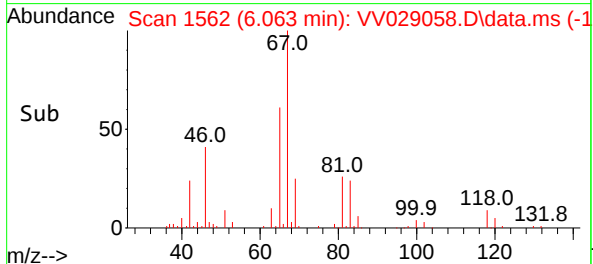
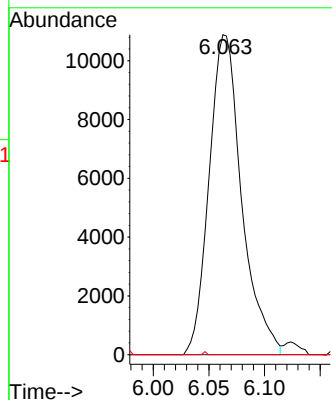
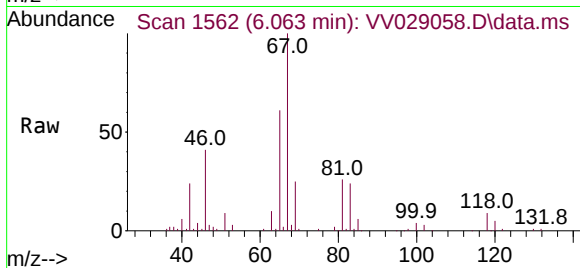
Tgt Ion: 83 Resp: 22136

Ion Ratio Lower Upper

83 100

55 0.0 55.8 83.6#

98 1.2 38.2 57.2#



#37

1,2-Dichloropropane

Concen: 0.608 ug/L

RT: 6.063 min Scan# 1562

Delta R.T. -0.103 min

Lab File: VV029058.D

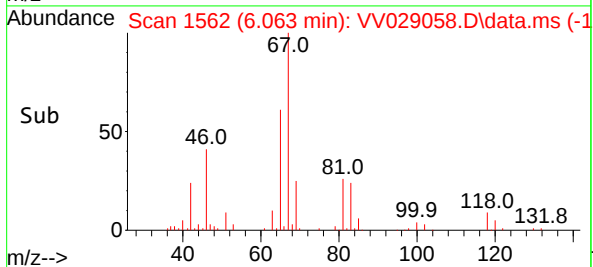
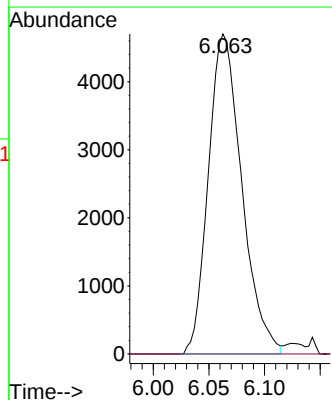
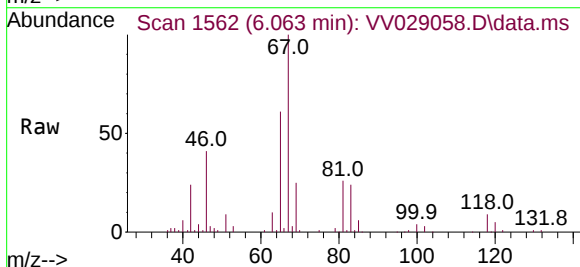
Acq: 17 Nov 2022 13:04

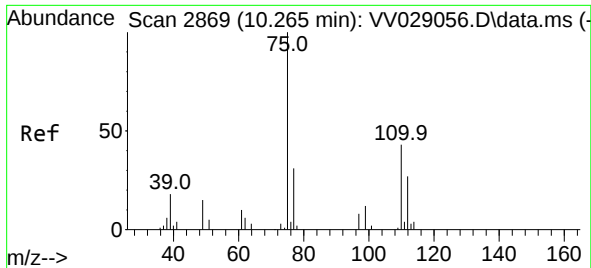
Tgt Ion: 63 Resp: 9821

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#





#61  
 1,2,3-Trichloropropane  
 Concen: 1.522 ug/L  
 RT: 11.239 min Scan# 31  
 Delta R.T. 0.974 min  
 Lab File: VV029058.D  
 Acq: 17 Nov 2022 13:04

Instrument :  
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Tgt Ion: 75 Resp: 11340  
 Ion Ratio Lower Upper  
 75 100  
 77 31.3 26.2 39.2  
 110 1.7 32.6 48.8#

