

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV100423\  
 Data File : VV032238.D  
 Acq On : 04 Oct 2023 18:42  
 Operator : SY/MD  
 Sample : 04741-08  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Oct 05 01:44:08 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092923WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Oct 05 01:37:52 2023  
 Response via : Initial Calibration

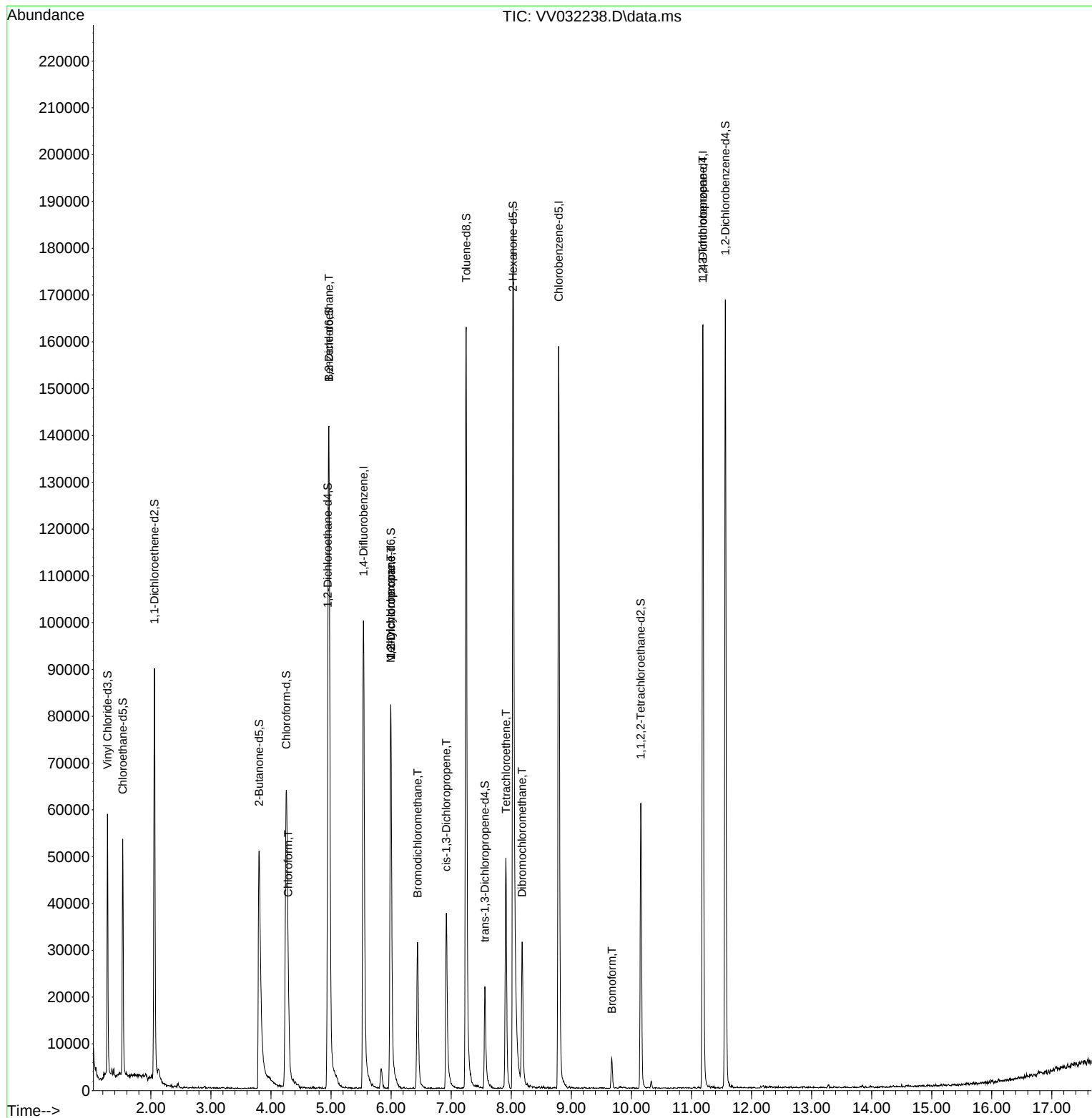
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 5.539  | 114            | 94343    | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 8.789  | 117            | 91759    | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.191 | 152            | 43512    | 5.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65             | 35108    | 4.576  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 91.600%  |          |
| 7) Chloroethane-d5            | 1.532  | 69             | 31454    | 5.050  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 101.000% |          |
| 11) 1,1-Dichloroethene-d2     | 2.060  | 65             | 15075    | 4.659  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 93.200%  |          |
| 20) 2-Butanone-d5             | 3.802  | 46             | 94509    | 48.692 | ug/L     | -0.02    |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 97.380%  |          |
| 24) Chloroform-d              | 4.253  | 84             | 65620    | 4.848  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 97.000%  |          |
| 26) 1,2-Dichloroethane-d4     | 4.947  | 65             | 33488    | 5.223  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 104.400% |          |
| 32) Benzene-d6                | 4.963  | 84             | 131026   | 4.853  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 97.000%  |          |
| 36) 1,2-Dichloropropane-d6    | 5.995  | 67             | 45415    | 5.077  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 101.600% |          |
| 41) Toluene-d8                | 7.249  | 98             | 114945   | 4.656  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 93.200%  |          |
| 43) trans-1,3-Dichloroprop... | 7.561  | 79             | 14819    | 4.675  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 93.400%  |          |
| 46) 2-Hexanone-d5             | 8.031  | 63             | 69460    | 46.571 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 93.140%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.156 | 84             | 31187    | 4.984  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 99.600%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.564 | 152            | 42541    | 5.269  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 105.400% |          |
| Target Compounds              |        |                |          |        |          |          |
| 25) Chloroform                | 4.285  | 83             | 17624    | 1.205  | ug/L     | 96       |
| 27) 1,2-Dichloroethane        | 4.963  | 62             | 934      | 0.108  | ug/L #   | 73       |
| 35) Methylcyclohexane         | 5.992  | 83             | 9751     | 0.714  | ug/L #   | 21       |
| 37) 1,2-Dichloropropane       | 5.995  | 63             | 4553     | 0.527  | ug/L #   | 87       |
| 38) Bromodichloromethane      | 6.439  | 83             | 23530    | 2.292  | ug/L     | 98       |
| 39) cis-1,3-Dichloropropene   | 6.918  | 75             | 992      | 0.081  | ug/L #   | 81       |
| 47) Tetrachloroethene         | 7.912  | 164            | 11956    | 1.788  | ug/L     | 99       |
| 49) Dibromochloromethane      | 8.182  | 129            | 16265    | 2.563  | ug/L     | 95       |
| 59) Bromoform                 | 9.674  | 173            | 2970     | 0.939  | ug/L #   | 94       |
| 61) 1,2,3-Trichloropropane    | 11.188 | 75             | 5510     | 1.190  | ug/L #   | 64       |

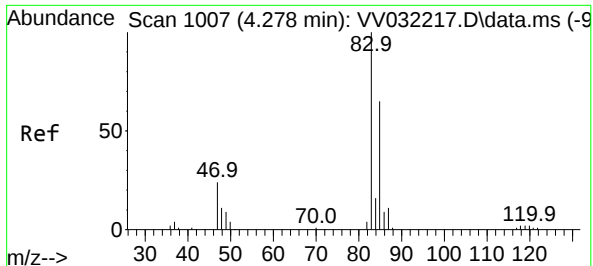
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Oct 05 01:37:52 2023  
Response via : Initial Calibration





#25

Chloroform

Concen: 1.205 ug/L

RT: 4.285 min Scan# 1009

Delta R.T. 0.006 min

Lab File: VV032238.D

Acq: 04 Oct 2023 18:42

Instrument :

MSVOA\_V

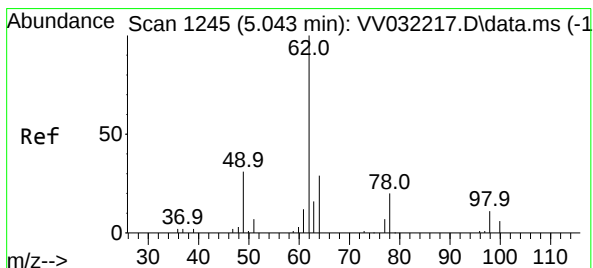
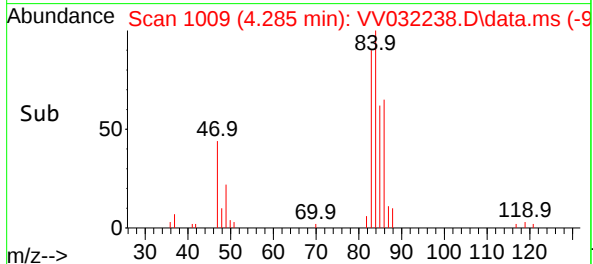
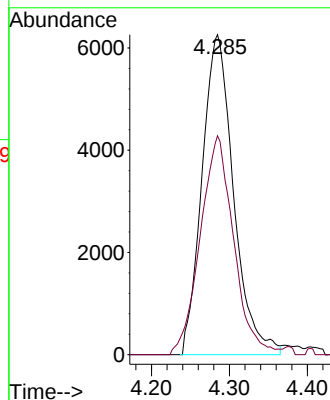
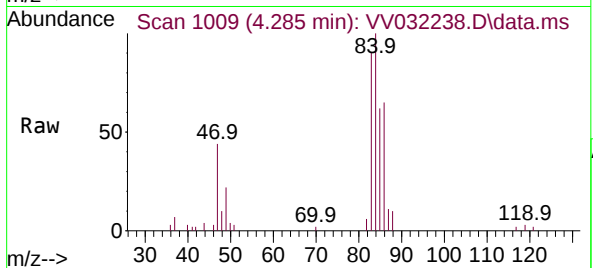
ClientSampleId :

Tgt Ion: 83 Resp: 17624

Ion Ratio Lower Upper

83 100

85 68.4 45.4 84.4



#27

1,2-Dichloroethane

Concen: 0.108 ug/L

RT: 4.963 min Scan# 1220

Delta R.T. -0.080 min

Lab File: VV032238.D

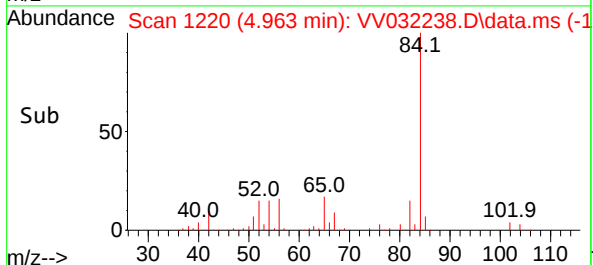
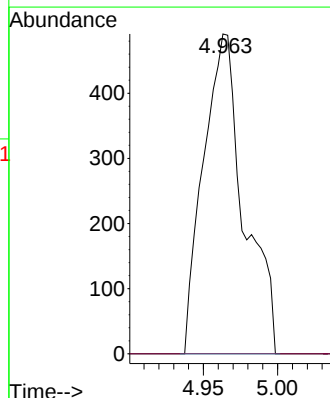
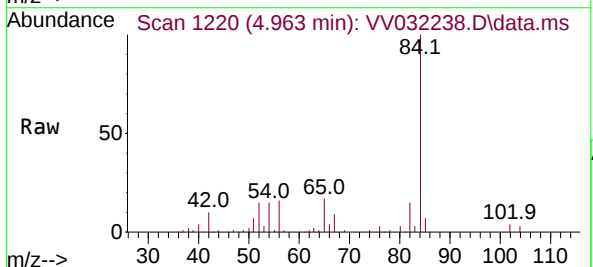
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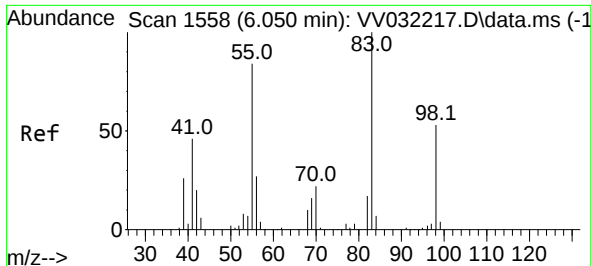
Tgt Ion: 62 Resp: 934

Ion Ratio Lower Upper

62 100

98 0.0 7.8 11.8#





#35

Methylcyclohexane

Concen: 0.714 ug/L

RT: 5.992 min Scan# 11

Delta R.T. -0.058 min

Lab File: VV032238.D

Acq: 04 Oct 2023 18:42

Instrument :

MSVOA\_V

ClientSampleId :

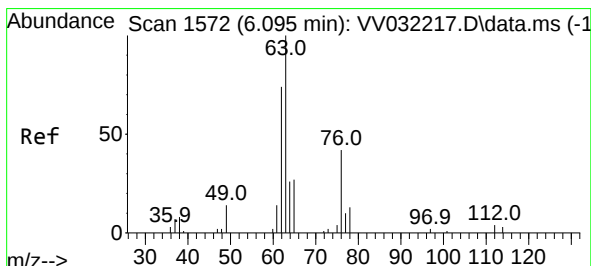
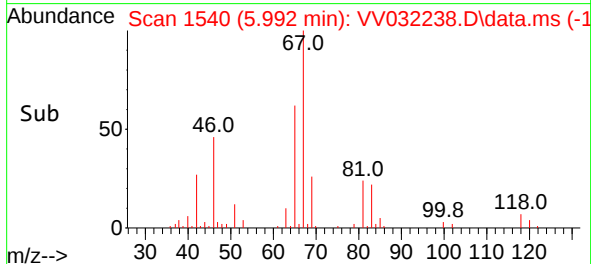
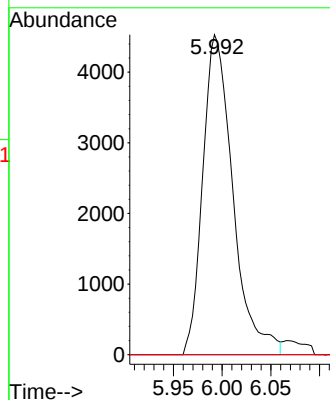
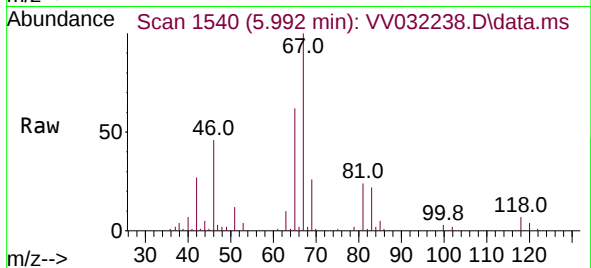
Tgt Ion: 83 Resp: 9751

Ion Ratio Lower Upper

83 100

55 0.0 64.2 96.2#

98 8.1 39.6 59.4#



#37

1,2-Dichloropropane

Concen: 0.527 ug/L

RT: 5.995 min Scan# 1541

Delta R.T. -0.100 min

Lab File: VV032238.D

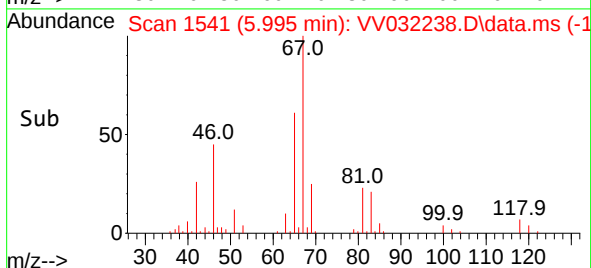
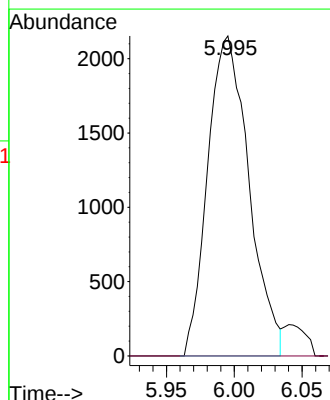
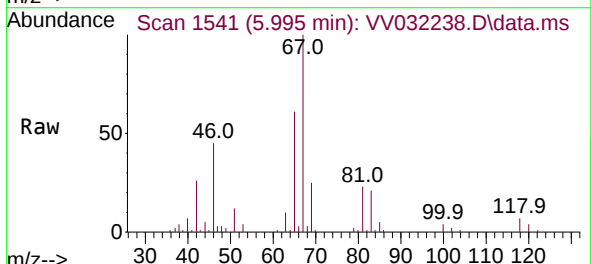
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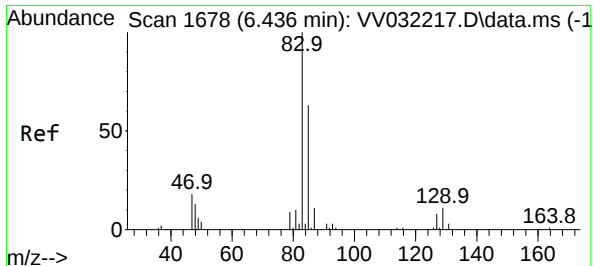
Tgt Ion: 63 Resp: 4553

Ion Ratio Lower Upper

63 100

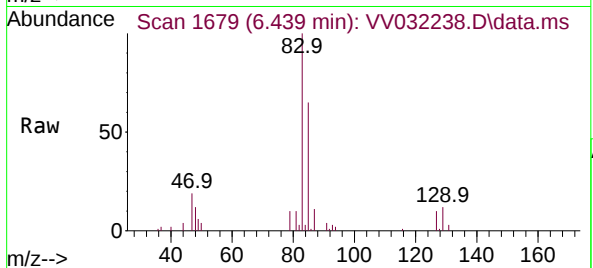
112 0.0 3.4 5.2#



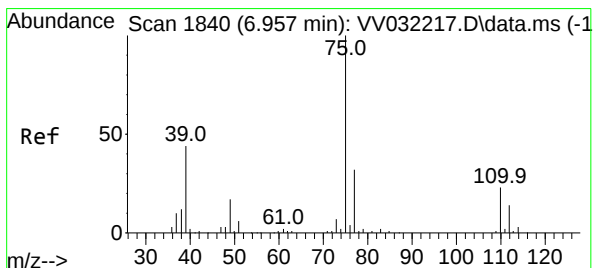
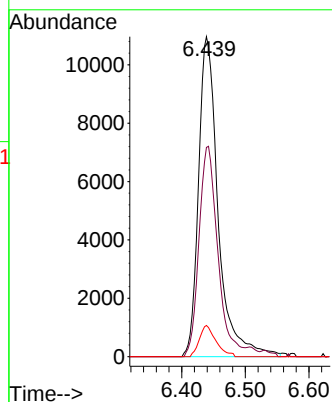
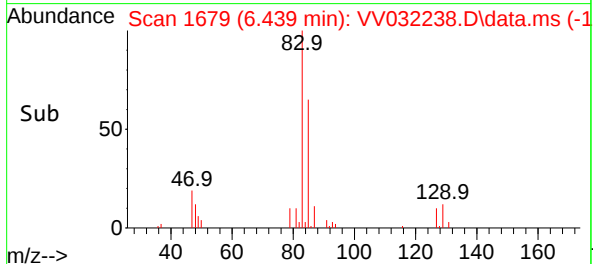


#38  
Bromodichloromethane  
Concen: 2.292 ug/L  
RT: 6.439 min Scan# 1  
Delta R.T. 0.003 min  
Lab File: VV032238.D  
Acq: 04 Oct 2023 18:42

Instrument :  
MSVOA\_V  
ClientSampleId :

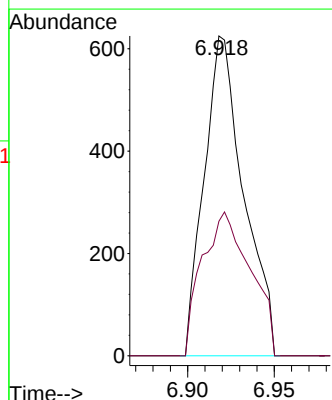
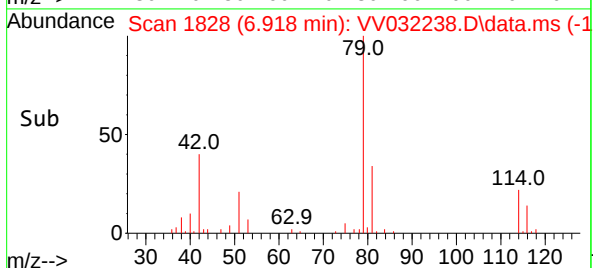
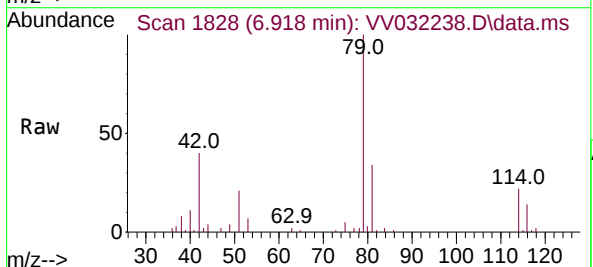


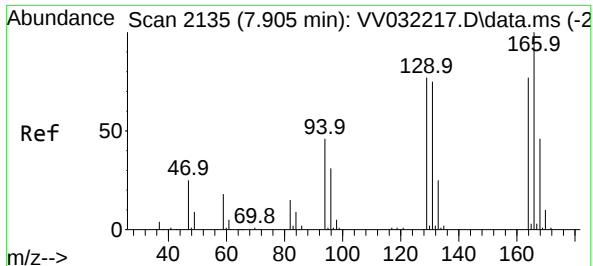
Tgt Ion: 83 Resp: 23530  
Ion Ratio Lower Upper  
83 100  
85 65.4 44.9 83.3  
127 9.8 6.9 10.3



#39  
cis-1,3-Dichloropropene  
Concen: 0.081 ug/L  
RT: 6.918 min Scan# 1828  
Delta R.T. -0.039 min  
Lab File: VV032238.D  
Acq: 04 Oct 2023 18:42

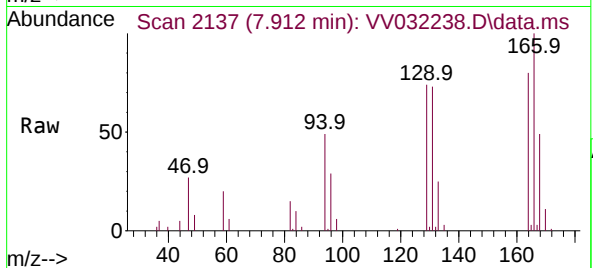
Tgt Ion: 75 Resp: 992  
Ion Ratio Lower Upper  
75 100  
77 42.1 22.2 41.2#



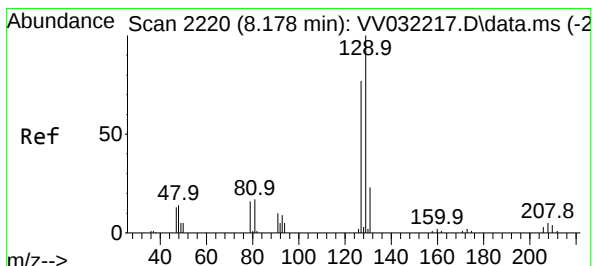
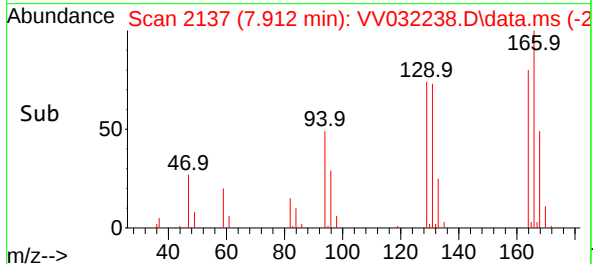
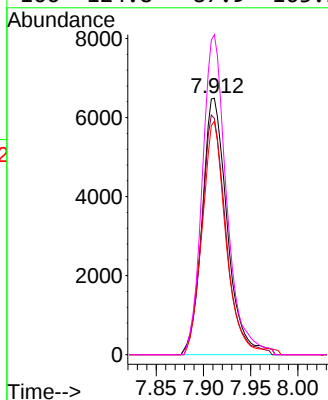


#47  
Tetrachloroethene  
Concen: 1.788 ug/L  
RT: 7.912 min Scan# 2137  
Delta R.T. 0.006 min  
Lab File: VV032238.D  
Acq: 04 Oct 2023 18:42

Instrument :  
MSVOA\_V  
ClientSampleId :

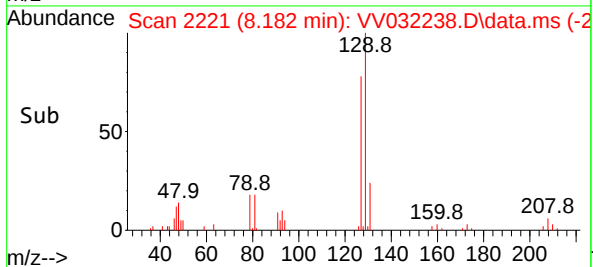
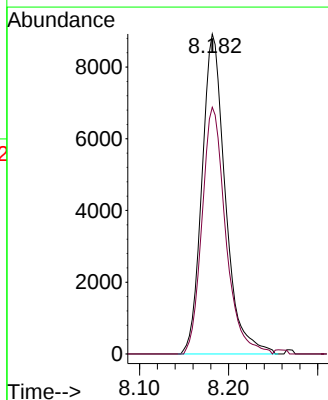
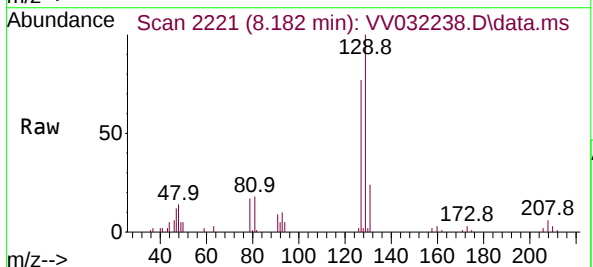


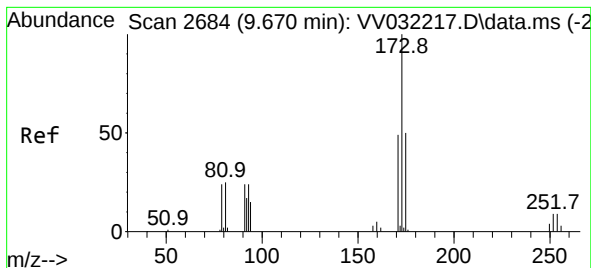
Tgt Ion:164 Resp: 11956  
Ion Ratio Lower Upper  
164 100  
129 92.1 66.4 123.4  
131 90.9 63.7 118.3  
166 124.8 87.9 163.3



#49  
Dibromochloromethane  
Concen: 2.563 ug/L  
RT: 8.182 min Scan# 2221  
Delta R.T. 0.003 min  
Lab File: VV032238.D  
Acq: 04 Oct 2023 18:42

Tgt Ion:129 Resp: 16265  
Ion Ratio Lower Upper  
129 100  
127 77.1 57.2 106.2





#59

Bromoform

Concen: 0.939 ug/L

RT: 9.674 min Scan# 2

Delta R.T. 0.003 min

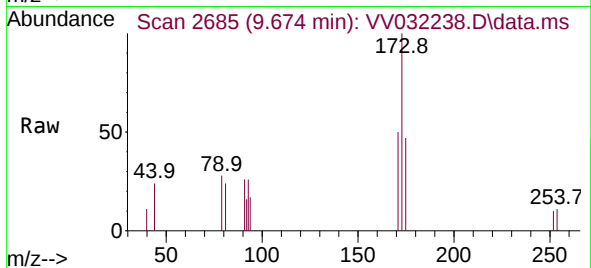
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Acq: 04 Oct 2023 18:42

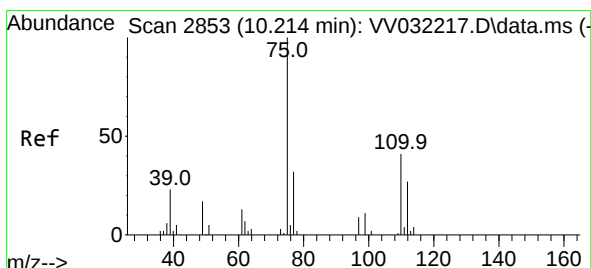
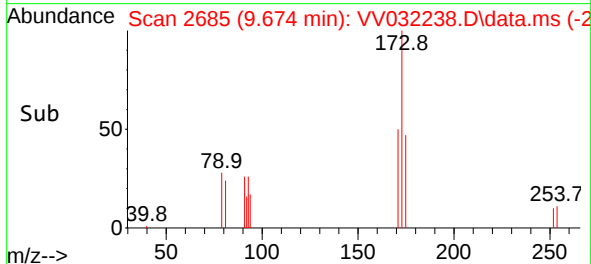
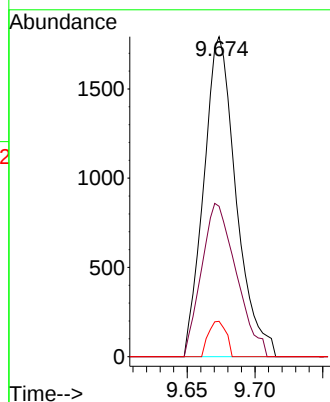
Instrument :

MSVOA\_V

ClientSampleId :



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 173   | Resp: | 2970  |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 51.4  | 38.2  | 57.2  |
| 254       | 6.0   | 7.0   | 10.4# |



#61

1,2,3-Trichloropropane

Concen: 1.190 ug/L

RT: 11.188 min Scan# 3156

Delta R.T. 0.974 min

Lab File: VV032238.D

Acq: 04 Oct 2023 18:42

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 5510  |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 36.1  | 26.2  | 39.2  |
| 110       | 0.7   | 30.6  | 46.0# |

