

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW021924\  
 Data File : VW034250.D  
 Acq On : 19 Feb 2024 17:57  
 Operator : SY/MD  
 Sample : P1503-17  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Feb 20 03:30:44 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR012524WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Feb 20 01:47:35 2024  
 Response via : Initial Calibration

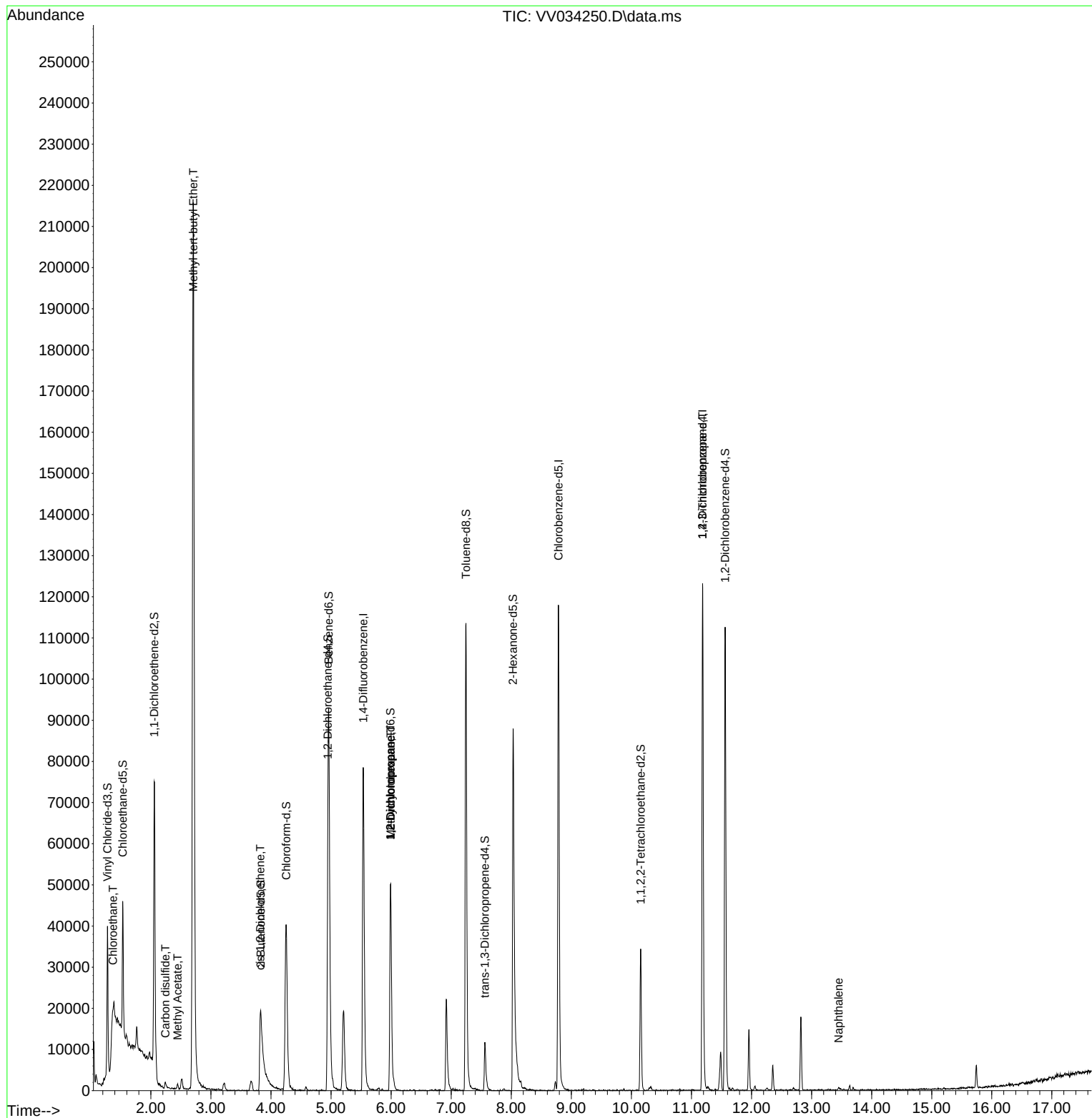
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 5.535  | 114            | 69126    | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 8.786  | 117            | 63983    | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.184 | 152            | 33146    | 5.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65             | 21888    | 4.088  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 81.800%  |          |
| 7) Chloroethane-d5            | 1.532  | 69             | 19934    | 4.251  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 85.000%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.056  | 65             | 11725    | 4.541  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 90.800%  |          |
| 20) 2-Butanone-d5             | 3.831  | 46             | 37383    | 41.577 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 83.160%  |          |
| 24) Chloroform-d              | 4.252  | 84             | 44289    | 4.553  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 91.000%  |          |
| 26) 1,2-Dichloroethane-d4     | 4.947  | 65             | 23387    | 5.144  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 102.800% |          |
| 32) Benzene-d6                | 4.960  | 84             | 82128    | 4.278  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 85.600%  |          |
| 36) 1,2-Dichloropropane-d6    | 5.989  | 67             | 22742    | 4.238  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 84.800%  |          |
| 41) Toluene-d8                | 7.246  | 98             | 76386    | 4.330  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 86.600%  |          |
| 43) trans-1,3-Dichloroprop... | 7.561  | 79             | 7969     | 3.933  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 78.600%  |          |
| 46) 2-Hexanone-d5             | 8.030  | 63             | 33198    | 45.897 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 91.800%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.156 | 84             | 15307    | 4.705  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 94.200%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.561 | 152            | 28062    | 4.655  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 93.200%  |          |
| Target Compounds              |        |                |          |        |          |          |
| 8) Chloroethane               | 1.371  | 64             | 48642    | 10.799 | ug/L #   | 53       |
| 14) Carbon disulfide          | 2.243  | 76             | 2836     | 0.182  | ug/L #   | 91       |
| 15) Methyl Acetate            | 2.442  | 43             | 452      | 0.280  | ug/L #   | 53       |
| 17) Methyl tert-butyl Ether   | 2.706  | 73             | 226045   | 22.782 | ug/L     | 97       |
| 22) cis-1,2-Dichloroethene    | 3.821  | 96             | 4010     | 0.719  | ug/L     | 95       |
| 35) Methylcyclohexane         | 5.992  | 83             | 6169     | 0.708  | ug/L #   | 17       |
| 37) 1,2-Dichloropropane       | 5.992  | 63             | 3001     | 0.646  | ug/L #   | 87       |
| 61) 1,2,3-Trichloropropane    | 11.184 | 75             | 3949     | 1.733  | ug/L #   | 64       |
| 71) Naphthalene               | 13.451 | 128            | 987      | 0.117  | ug/L #   | 75       |

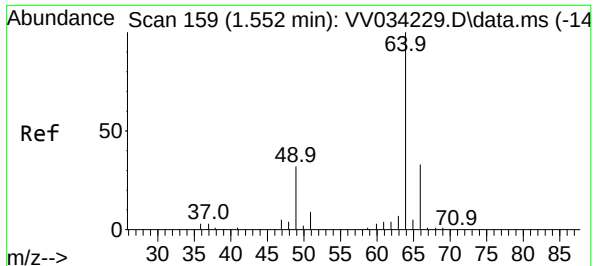
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 24 Sample Multiplier: 1

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MSVOA\_V  
ClientSampleId :

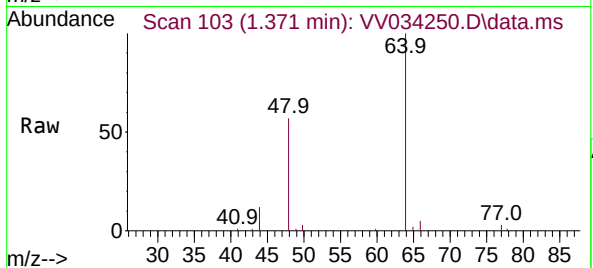
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR012524WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Tue Feb 20 01:47:35 2024  
Response via : Initial Calibration



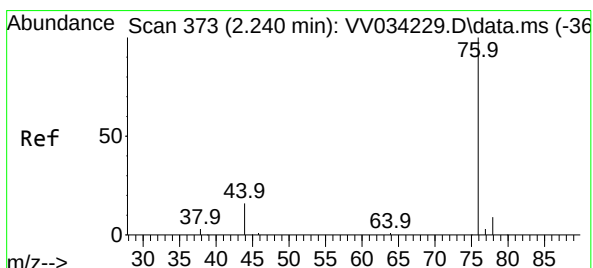
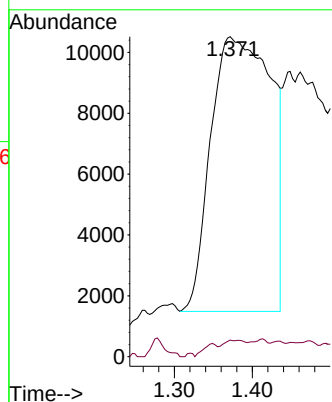
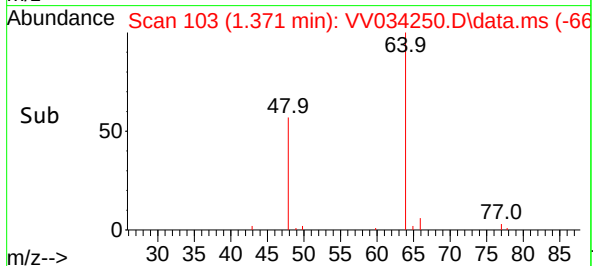


#8  
Chloroethane  
Concen: 10.799 ug/L  
RT: 1.371 min Scan# 103  
Delta R.T. -0.180 min  
Lab File: VV034250.D  
Acq: 19 Feb 2024 17:57

Instrument :  
MSVOA\_V  
ClientSampleId :

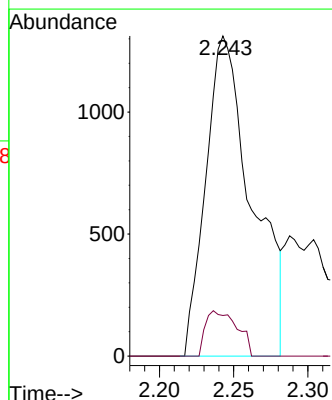
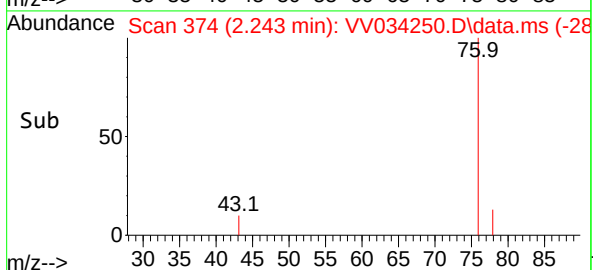
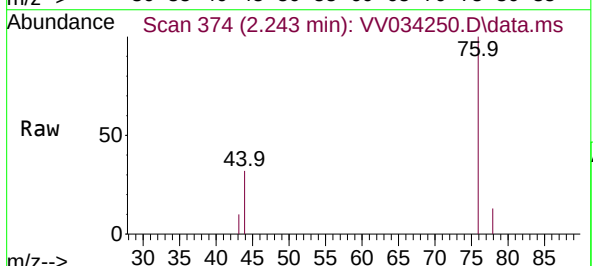


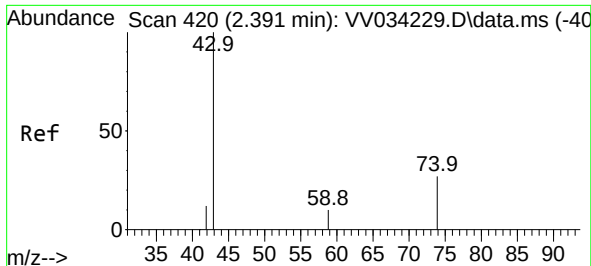
Tgt Ion: 64 Resp: 48642  
Ion Ratio Lower Upper  
64 100  
66 5.2 22.0 41.0#



#14  
Carbon disulfide  
Concen: 0.182 ug/L  
RT: 2.243 min Scan# 374  
Delta R.T. 0.003 min  
Lab File: VV034250.D  
Acq: 19 Feb 2024 17:57

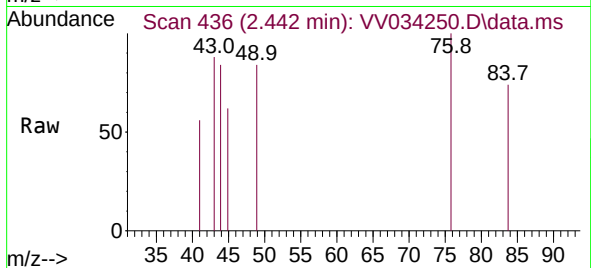
Tgt Ion: 76 Resp: 2836  
Ion Ratio Lower Upper  
76 100  
78 12.7 7.5 11.3#



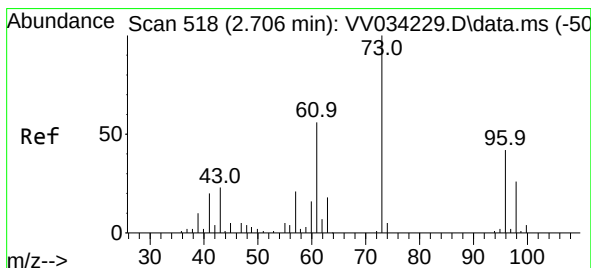
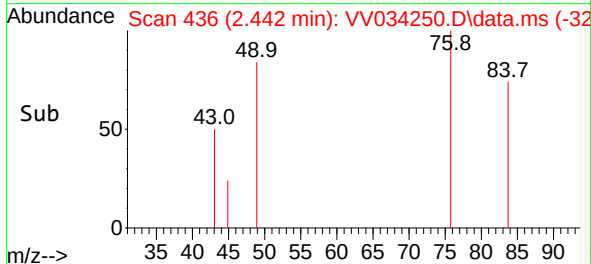
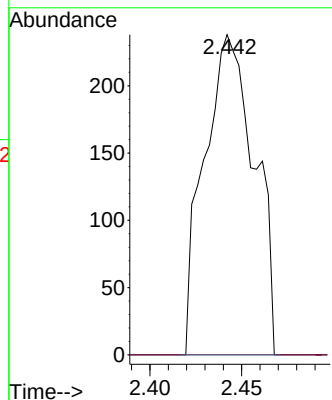


#15  
Methyl Acetate  
Concen: 0.280 ug/L  
RT: 2.442 min Scan# 41  
Delta R.T. 0.051 min  
Lab File: VV034250.D  
Acq: 19 Feb 2024 17:57

Instrument :  
MSVOA\_V  
ClientSampleId :

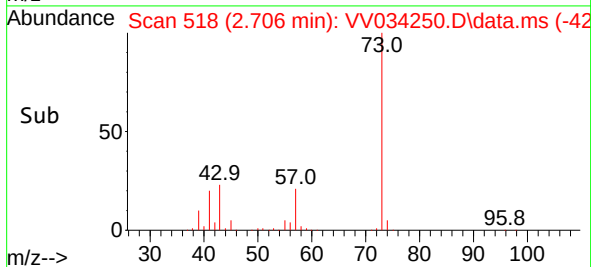
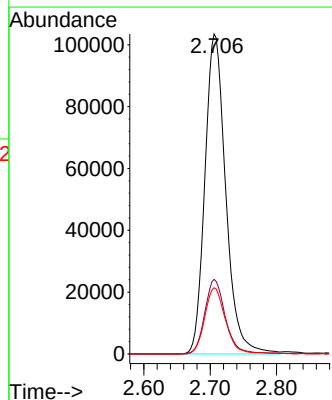
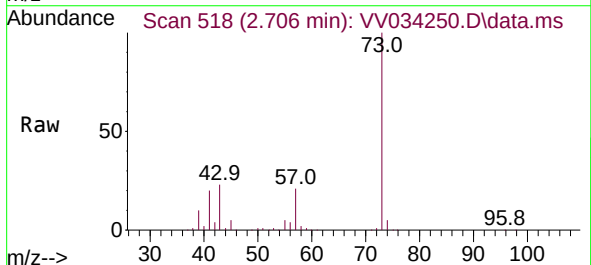


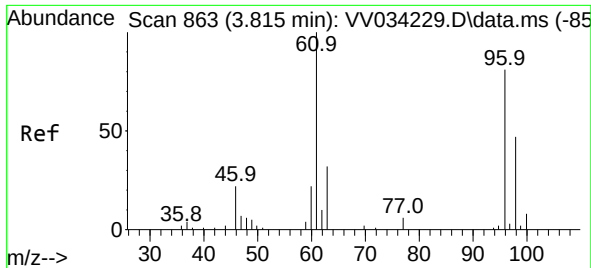
Tgt Ion: 43 Resp: 452  
Ion Ratio Lower Upper  
43 100  
74 0.0 18.2 27.4#



#17  
Methyl tert-butyl Ether  
Concen: 22.782 ug/L  
RT: 2.706 min Scan# 518  
Delta R.T. -0.000 min  
Lab File: VV034250.D  
Acq: 19 Feb 2024 17:57

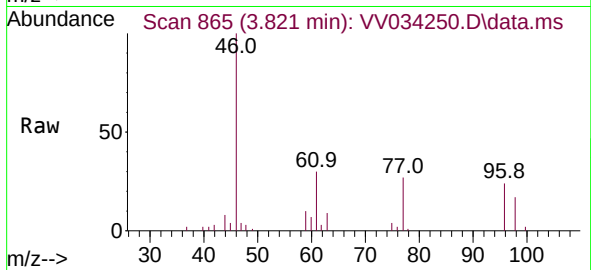
Tgt Ion: 73 Resp: 226045  
Ion Ratio Lower Upper  
73 100  
43 23.1 17.7 26.5  
57 20.6 17.9 26.9



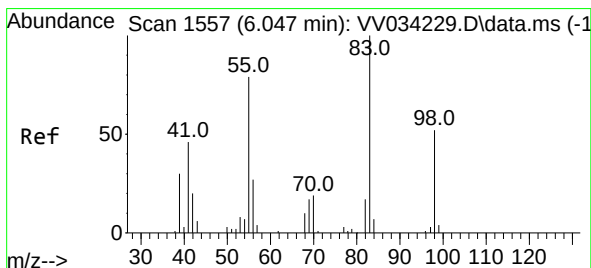
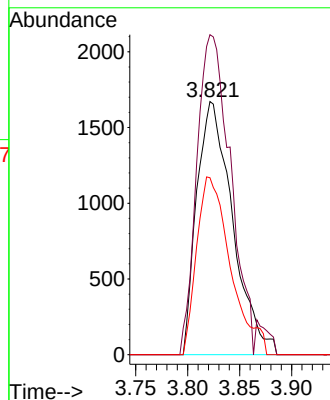
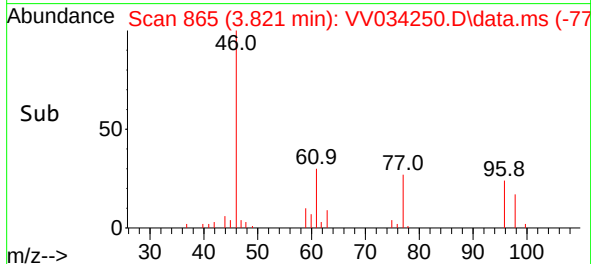


#22  
cis-1,2-Dichloroethene  
Concen: 0.719 ug/L  
RT: 3.821 min Scan# 80  
Delta R.T. 0.006 min  
Lab File: VV034250.D  
Acq: 19 Feb 2024 17:57

Instrument :  
MSVOA\_V  
ClientSampleId :

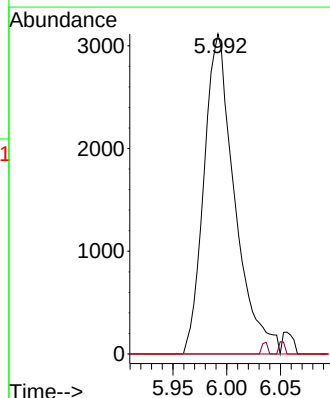
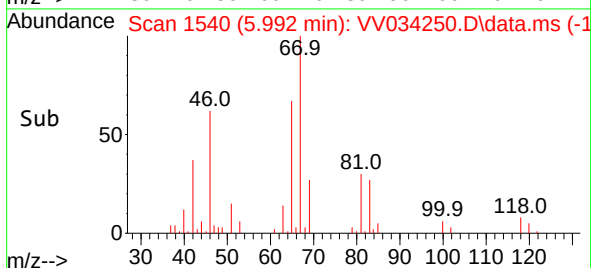
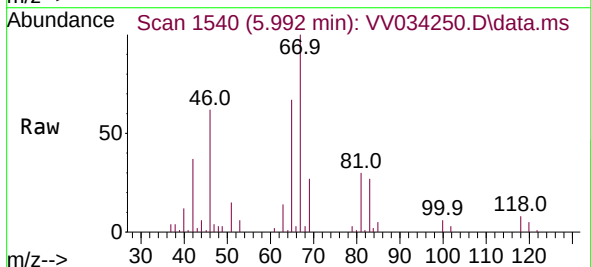


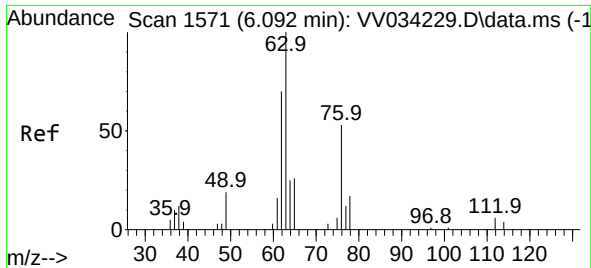
Tgt Ion: 96 Resp: 4010  
Ion Ratio Lower Upper  
96 100  
61 126.5 90.3 167.7  
98 70.0 43.2 80.2



#35  
Methylcyclohexane  
Concen: 0.708 ug/L  
RT: 5.992 min Scan# 1540  
Delta R.T. -0.055 min  
Lab File: VV034250.D  
Acq: 19 Feb 2024 17:57

Tgt Ion: 83 Resp: 6169  
Ion Ratio Lower Upper  
83 100  
55 0.7 63.5 95.3#  
98 0.0 39.0 58.4#





#37

1,2-Dichloropropane

Concen: 0.646 ug/L

RT: 5.992 min Scan# 11

Delta R.T. -0.100 min

Lab File: VV034250.D

Acq: 19 Feb 2024 17:57

Instrument :

MSVOA\_V

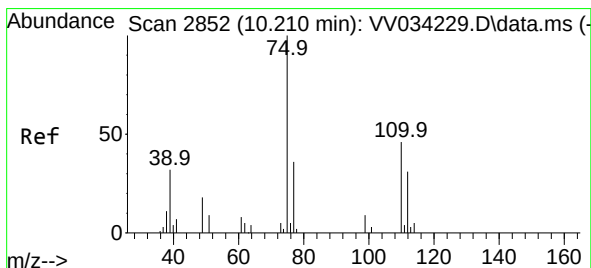
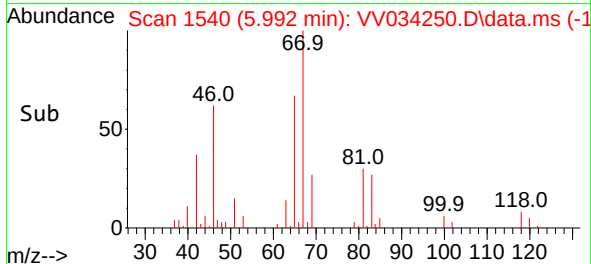
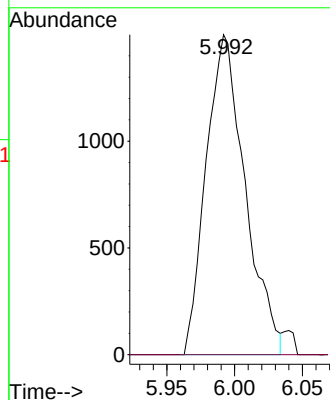
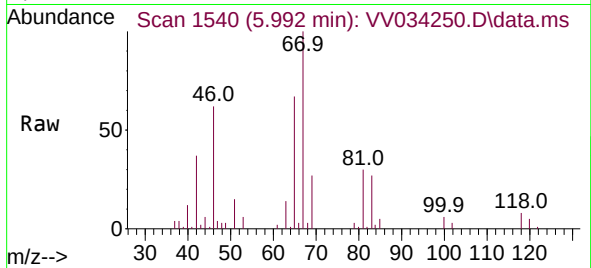
ClientSampleId :

Tgt Ion: 63 Resp: 3001

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.0#



#61

1,2,3-Trichloropropane

Concen: 1.733 ug/L

RT: 11.184 min Scan# 3155

Delta R.T. 0.974 min

Lab File: VV034250.D

Acq: 19 Feb 2024 17:57

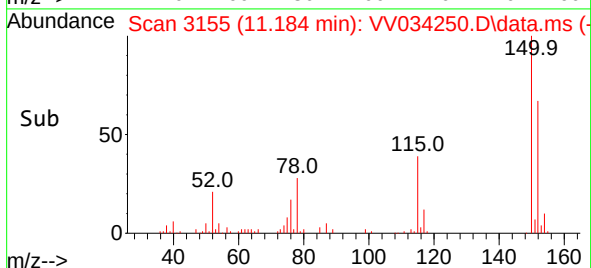
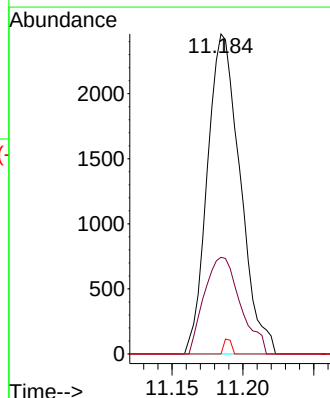
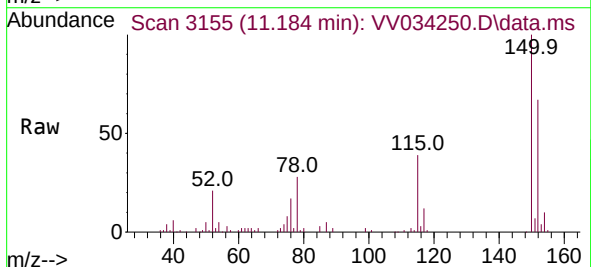
Tgt Ion: 75 Resp: 3949

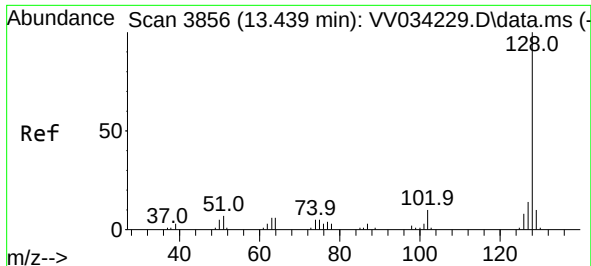
Ion Ratio Lower Upper

75 100

77 33.2 26.9 40.3

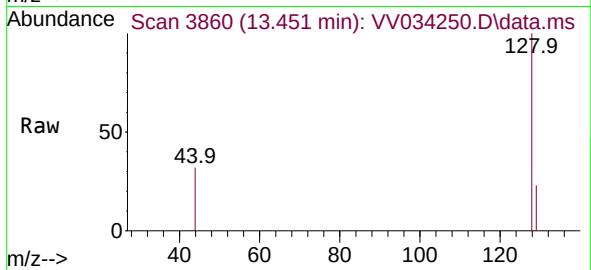
110 1.1 33.3 49.9#





#71  
Naphthalene  
Concen: 0.117 ug/L  
RT: 13.451 min Scan# 3860  
Delta R.T. 0.013 min  
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Instrument :  
MSVOA\_V  
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Tgt Ion:128 Resp: 987  
Ion Ratio Lower Upper  
128 100  
129 4.6 8.5 12.7#  
127 0.0 10.4 15.6#

