

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW021224\  
 Data File : VW034134.D  
 Acq On : 12 Feb 2024 12:57  
 Operator : SY/MD  
 Sample : P1455-01  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AA8

Quant Time: Feb 13 00:46:18 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR012524WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Feb 13 00:43:48 2024  
 Response via : Initial Calibration

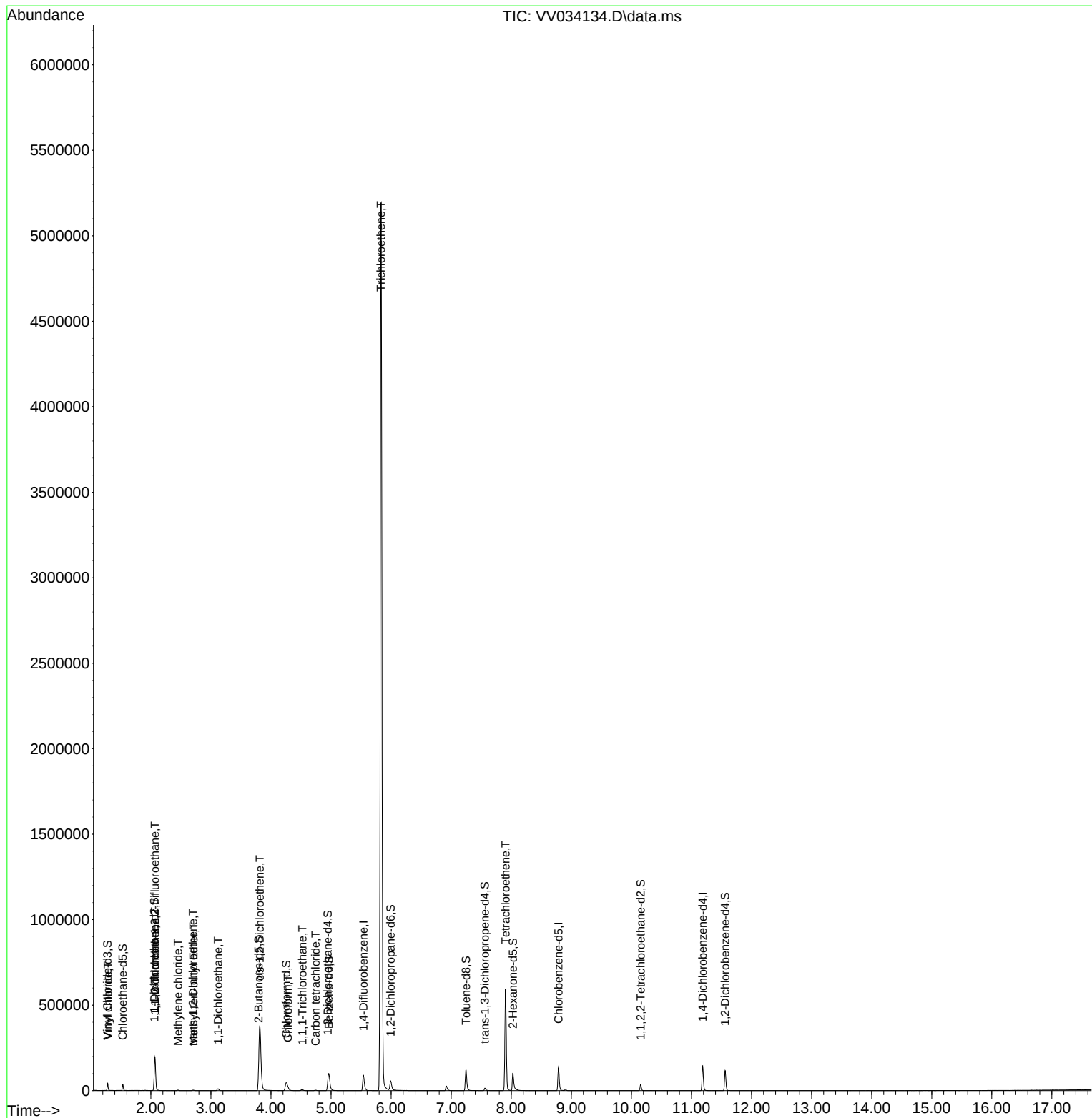
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.539  | 114   | 79509    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.786  | 117   | 71790    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.188 | 152   | 37374    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65    | 24740    | 4.018    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 80.400%  |
| 7) Chloroethane-d5            | 1.532  | 69    | 21457    | 3.978    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 79.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.060  | 65    | 12539    | 4.222    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 84.400%  |
| 20) 2-Butanone-d5             | 3.793  | 46    | 42179    | 40.785   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 81.560%  |
| 24) Chloroform-d              | 4.252  | 84    | 47382    | 4.235    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 84.600%  |
| 26) 1,2-Dichloroethane-d4     | 4.947  | 65    | 24199    | 4.628    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 92.600%  |
| 32) Benzene-d6                | 4.963  | 84    | 89631    | 4.161    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 83.200%  |
| 36) 1,2-Dichloropropane-d6    | 5.992  | 67    | 24408    | 4.054    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 81.000%  |
| 41) Toluene-d8                | 7.246  | 98    | 82078    | 4.146    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 83.000%  |
| 43) trans-1,3-Dichloroprop... | 7.561  | 79    | 9849     | 4.332    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 86.600%  |
| 46) 2-Hexanone-d5             | 8.027  | 63    | 37063    | 45.668   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 91.340%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.156 | 84    | 16331    | 4.474    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 89.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.561 | 152   | 30563    | 4.496    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 90.000%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        |          |
| 5) Vinyl chloride             | 1.285  | 62    | 2547     | 0.335    | ug/L   | 94       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.069  | 101   | 8267     | 1.445    | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.072  | 96    | 35479    | 6.388    | ug/L   | 87       |
| 16) Methylene chloride        | 2.452  | 84    | 1425     | 0.267    | ug/L   | 87       |
| 17) Methyl tert-butyl Ether   | 2.709  | 73    | 1407     | 0.123    | ug/L # | 86       |
| 18) trans-1,2-Dichloroethene  | 2.703  | 96    | 795      | 0.141    | ug/L # | 87       |
| 19) 1,1-Dichloroethane        | 3.121  | 63    | 11749    | 1.130    | ug/L   | 94       |
| 22) cis-1,2-Dichloroethene    | 3.815  | 96    | 203493   | 31.704   | ug/L   | 98       |
| 25) Chloroform                | 4.281  | 83    | 12271    | 1.168    | ug/L   | 98       |
| 29) 1,1,1-Trichloroethane     | 4.522  | 97    | 5725     | 0.594    | ug/L   | 95       |
| 31) Carbon tetrachloride      | 4.741  | 117   | 2153     | 0.255    | ug/L   | 91       |
| 34) Trichloroethene           | 5.831  | 95    | 1687395  | 270.777  | ug/L   | 98       |
| 47) Tetrachloroethene         | 7.905  | 164   | 123932   | 24.476   | ug/L   | 97       |
| -----                         |        |       |          |          |        |          |

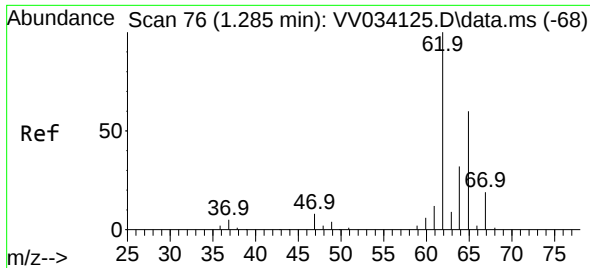
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV021224\  
Data File : VV034134.D  
Acq On : 12 Feb 2024 12:57  
Operator : SY/MD  
Sample : P1455-01  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 12 Sample Multiplier: 1

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Quant Time: Feb 13 00:46:18 2024  
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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Tue Feb 13 00:43:48 2024  
Response via : Initial Calibration

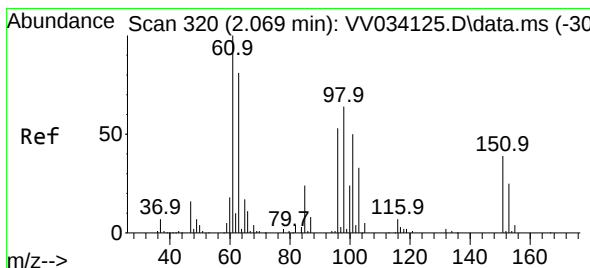
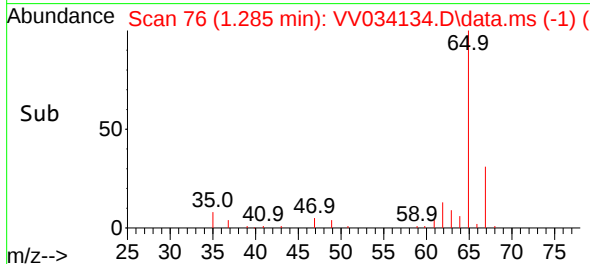
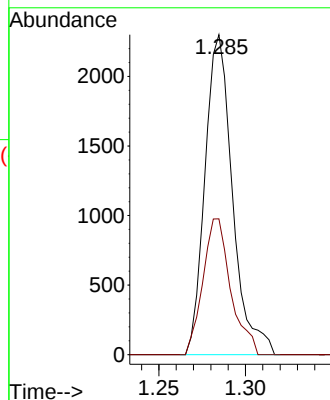
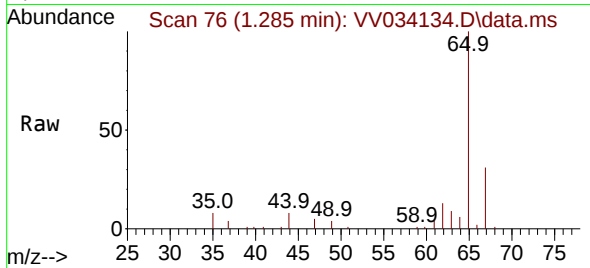




#5  
 Vinyl chloride  
 Concen: 0.335 ug/L  
 RT: 1.285 min Scan# 76  
 Delta R.T. -0.000 min  
 Lab File: VV034134.D  
 Acq: 12 Feb 2024 12:57

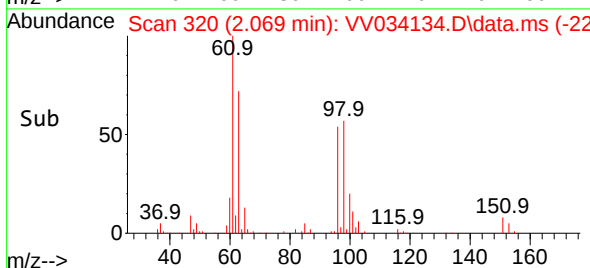
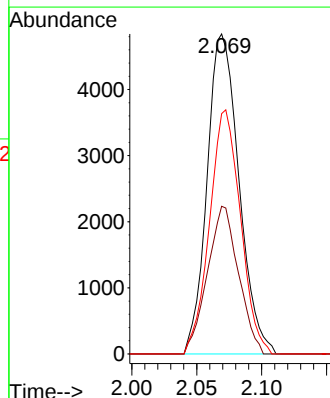
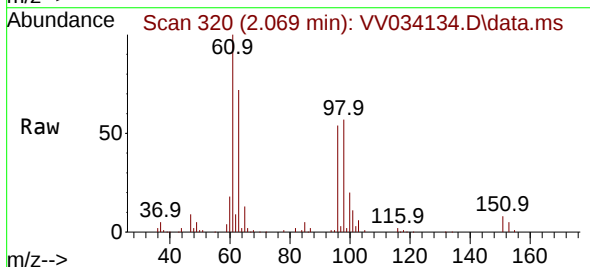
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AA8

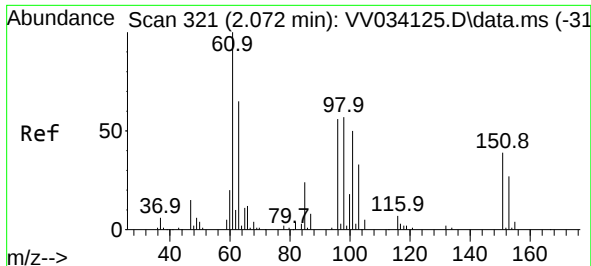
Tgt Ion: 62 Resp: 2547  
 Ion Ratio Lower Upper  
 62 100  
 64 42.4 27.2 50.4



#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 1.445 ug/L  
 RT: 2.069 min Scan# 320  
 Delta R.T. -0.000 min  
 Lab File: VV034134.D  
 Acq: 12 Feb 2024 12:57

Tgt Ion: 101 Resp: 8267  
 Ion Ratio Lower Upper  
 101 100  
 85 44.9 37.1 55.7  
 151 74.1 61.7 92.5

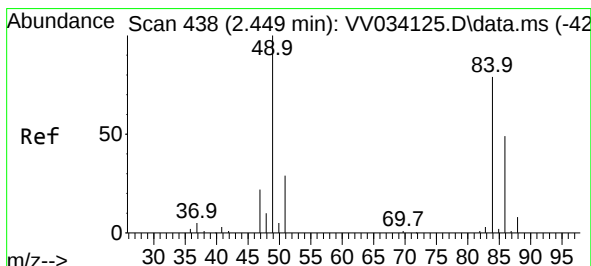
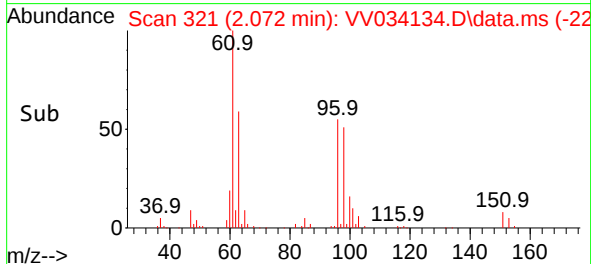
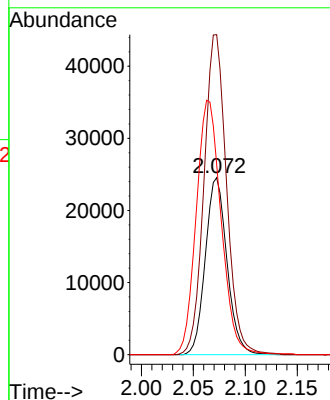
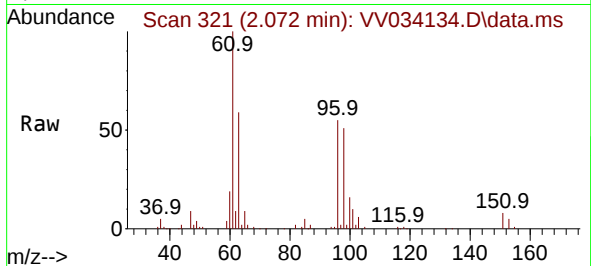




#12  
1,1-Dichloroethene  
Concen: 6.388 ug/L  
RT: 2.072 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VV034134.D  
Acq: 12 Feb 2024 12:57

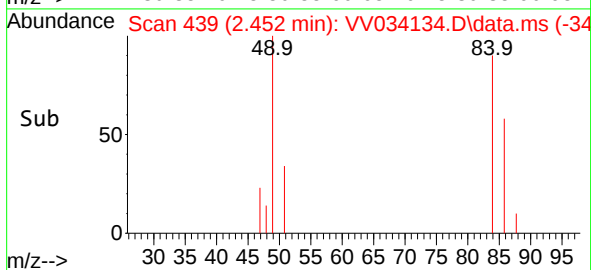
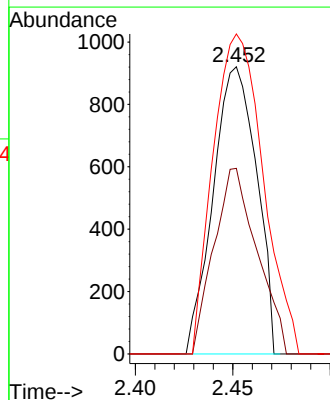
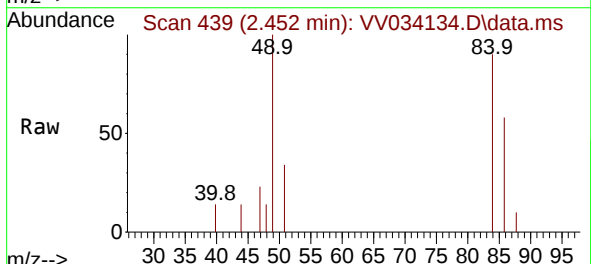
Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AA8

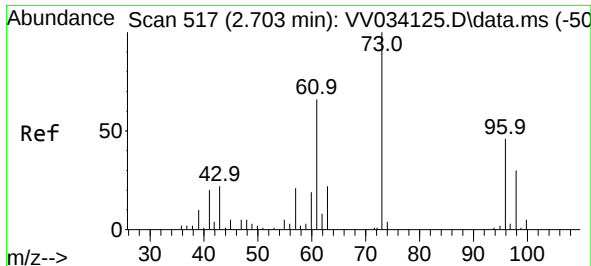
Tgt Ion: 96 Resp: 35479  
Ion Ratio Lower Upper  
96 100  
61 180.9 128.8 239.2  
63 107.5 97.9 181.9



#16  
Methylene chloride  
Concen: 0.267 ug/L  
RT: 2.452 min Scan# 439  
Delta R.T. 0.003 min  
Lab File: VV034134.D  
Acq: 12 Feb 2024 12:57

Tgt Ion: 84 Resp: 1425  
Ion Ratio Lower Upper  
84 100  
86 64.6 44.7 83.1  
49 111.4 93.7 173.9





#17

Methyl tert-butyl Ether

Concen: 0.123 ug/L

RT: 2.709 min Scan# 517

Delta R.T. 0.006 min

Lab File: VV034134.D

Acq: 12 Feb 2024 12:57

Instrument :

MSVOA\_V

ClientSampleId :

C0AA8

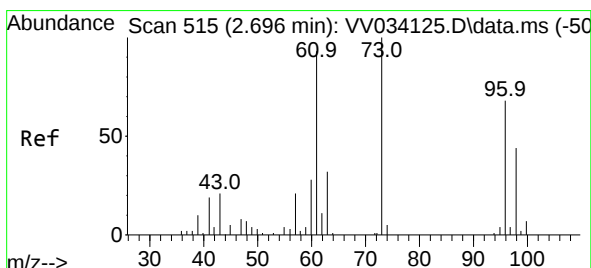
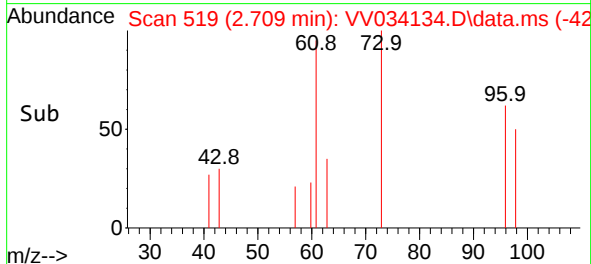
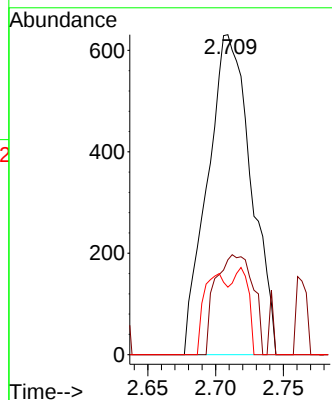
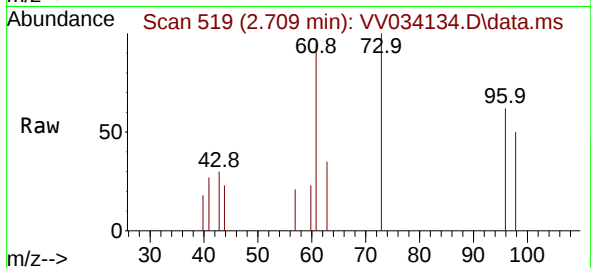
Tgt Ion: 73 Resp: 1407

Ion Ratio Lower Upper

73 100

43 26.7 17.7 26.5#

57 13.4 17.9 26.9#



#18

trans-1,2-Dichloroethene

Concen: 0.141 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.006 min

Lab File: VV034134.D

Acq: 12 Feb 2024 12:57

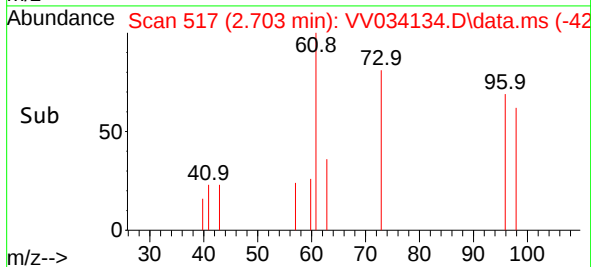
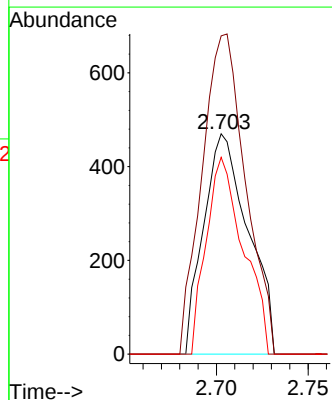
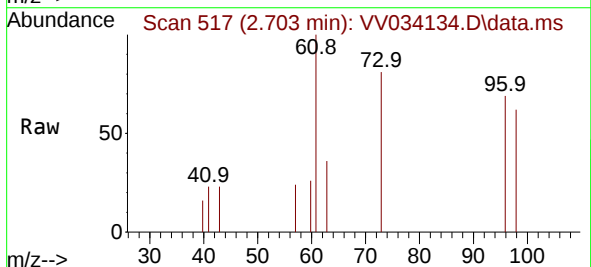
Tgt Ion: 96 Resp: 795

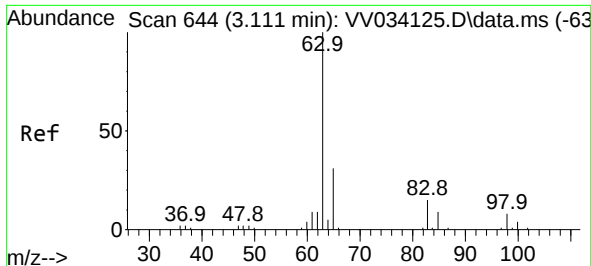
Ion Ratio Lower Upper

96 100

61 144.5 97.6 181.4

98 89.4 44.4 82.5#





#19

1,1-Dichloroethane

Concen: 1.130 ug/L

RT: 3.121 min Scan# 64

Delta R.T. 0.010 min

Lab File: VV034134.D

Acq: 12 Feb 2024 12:57

Instrument :

MSVOA\_V

ClientSampleId :

C0AA8

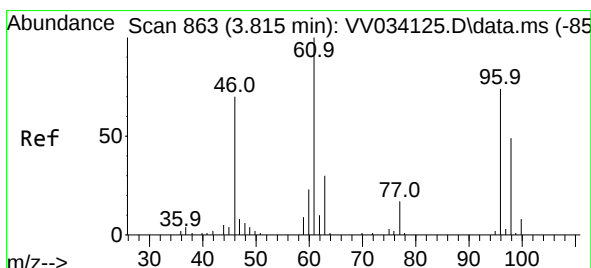
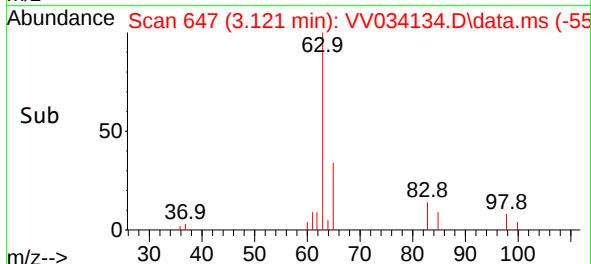
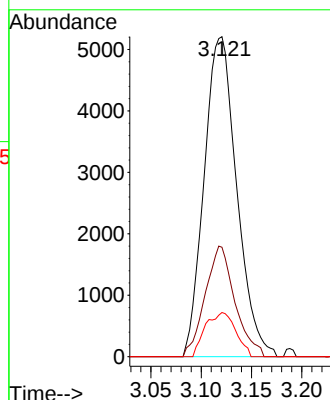
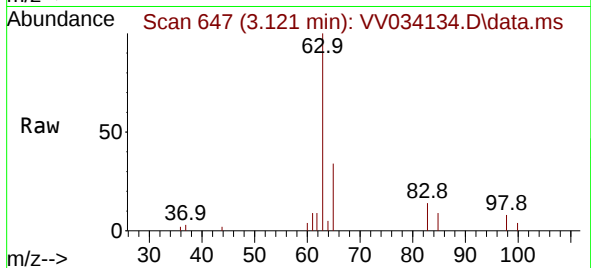
Tgt Ion: 63 Resp: 11749

Ion Ratio Lower Upper

63 100

65 34.2 20.8 38.6

83 13.8 9.4 17.4



#22

cis-1,2-Dichloroethene

Concen: 31.704 ug/L

RT: 3.815 min Scan# 863

Delta R.T. -0.000 min

Lab File: VV034134.D

Acq: 12 Feb 2024 12:57

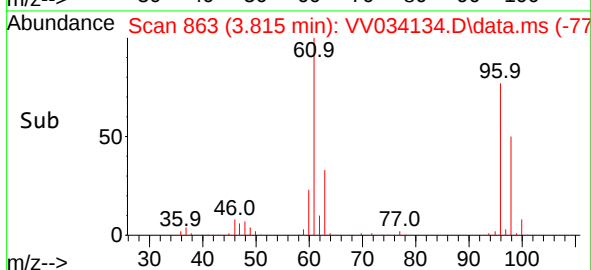
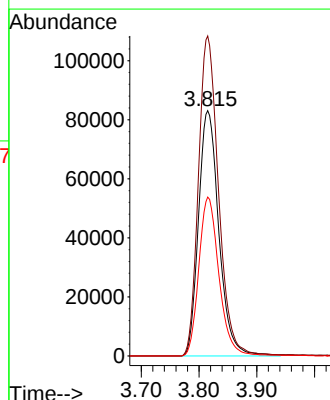
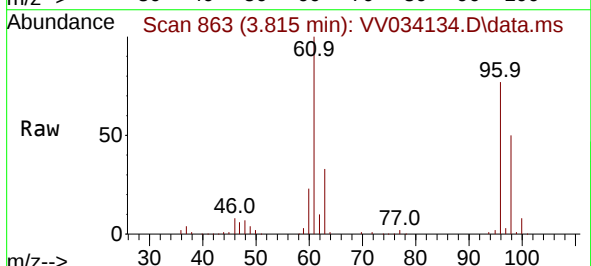
Tgt Ion: 96 Resp: 203493

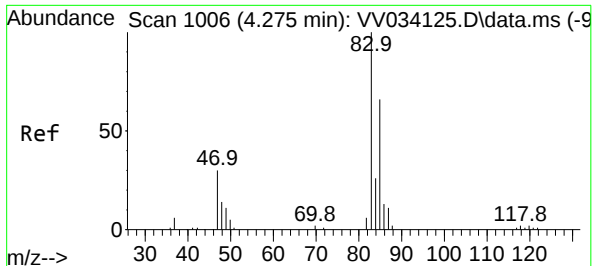
Ion Ratio Lower Upper

96 100

61 130.4 90.3 167.7

98 64.7 43.2 80.2





#25

Chloroform

Concen: 1.168 ug/L

RT: 4.281 min Scan# 1006

Delta R.T. 0.006 min

Lab File: VV034134.D

Acq: 12 Feb 2024 12:57

Instrument :

MSVOA\_V

ClientSampleId :

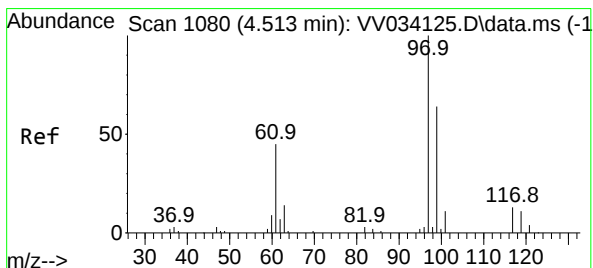
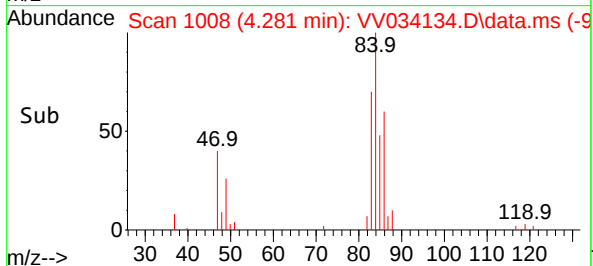
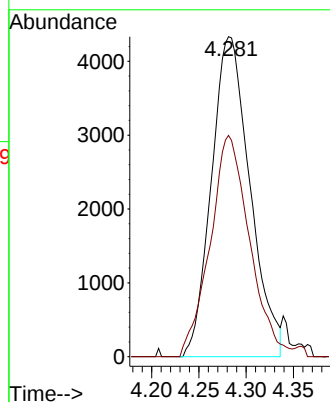
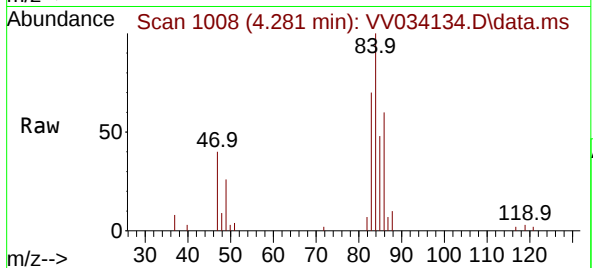
C0AA8

Tgt Ion: 83 Resp: 12271

Ion Ratio Lower Upper

83 100

85 69.1 47.5 88.1



#29

1,1,1-Trichloroethane

Concen: 0.594 ug/L

RT: 4.522 min Scan# 1083

Delta R.T. 0.010 min

Lab File: VV034134.D

Acq: 12 Feb 2024 12:57

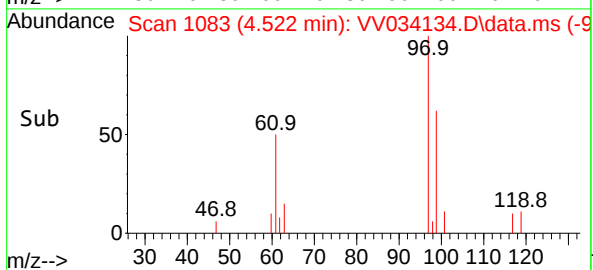
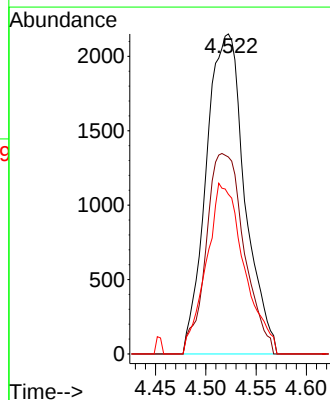
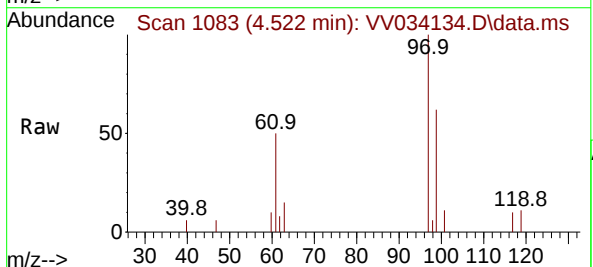
Tgt Ion: 97 Resp: 5725

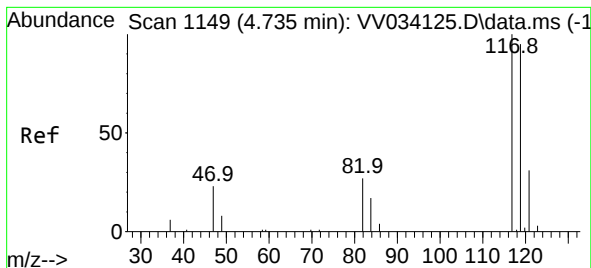
Ion Ratio Lower Upper

97 100

99 61.8 50.6 75.8

61 52.3 36.8 55.2





#31

Carbon tetrachloride

Concen: 0.255 ug/L

RT: 4.741 min Scan# 1151

Delta R.T. 0.006 min

Lab File: VV034134.D

Acq: 12 Feb 2024 12:57

Instrument :

MSVOA\_V

ClientSampleId :

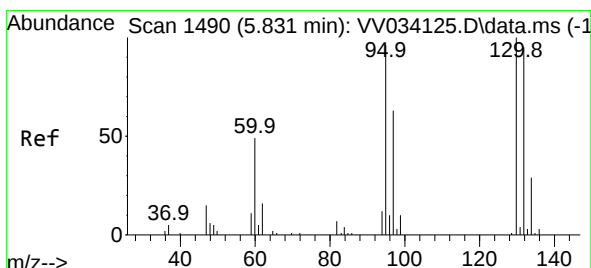
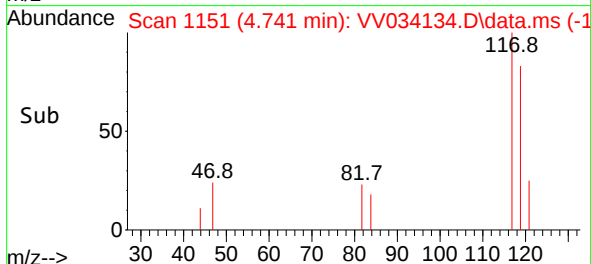
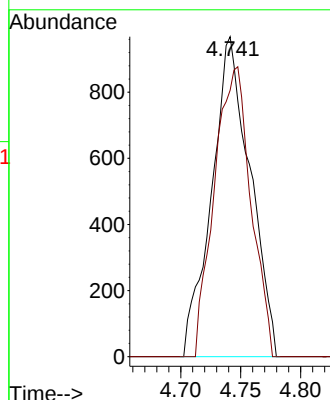
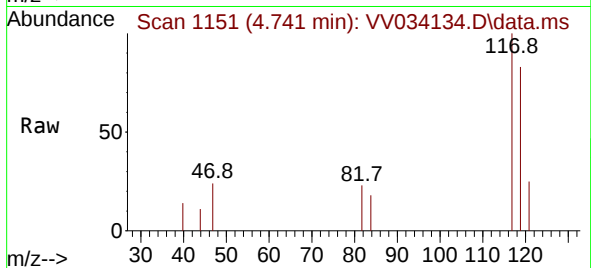
C0AA8

Tgt Ion:117 Resp: 2153

Ion Ratio Lower Upper

117 100

119 86.0 76.1 114.1



#34

Trichloroethene

Concen: 270.777 ug/L

RT: 5.831 min Scan# 1490

Delta R.T. -0.000 min

Lab File: VV034134.D

Acq: 12 Feb 2024 12:57

Tgt Ion: 95 Resp: 1687395

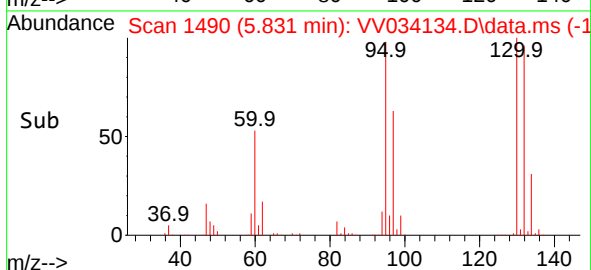
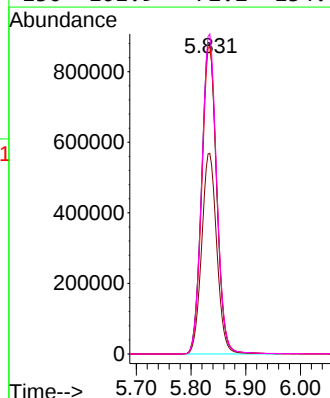
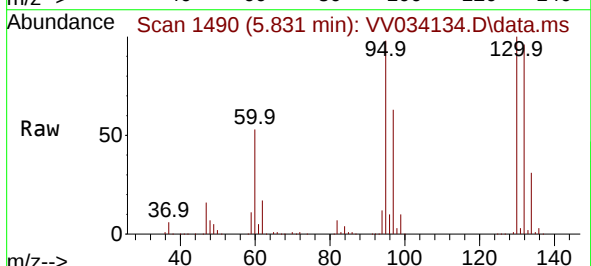
Ion Ratio Lower Upper

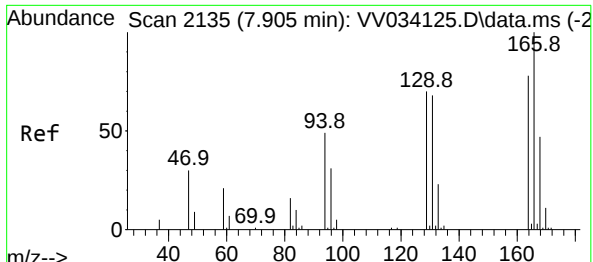
95 100

97 64.2 45.1 83.7

132 98.1 66.0 122.6

130 101.9 72.2 134.0





#47  
 Tetrachloroethene  
 Concen: 24.476 ug/L  
 RT: 7.905 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VV034134.D  
 Acq: 12 Feb 2024 12:57

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AA8

Tgt Ion:164 Resp: 123932

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 93.0  | 67.8  | 125.8 |
| 131 | 89.2  | 63.0  | 117.0 |
| 166 | 127.0 | 92.6  | 172.0 |

