

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV112524\  
 Data File : VV038338.D  
 Acq On : 25 Nov 2024 12:50  
 Operator : SY/MD  
 Sample : P4884-02DL 4X  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Nov 26 00:41:51 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111924WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Nov 26 00:39:03 2024  
 Response via : Initial Calibration

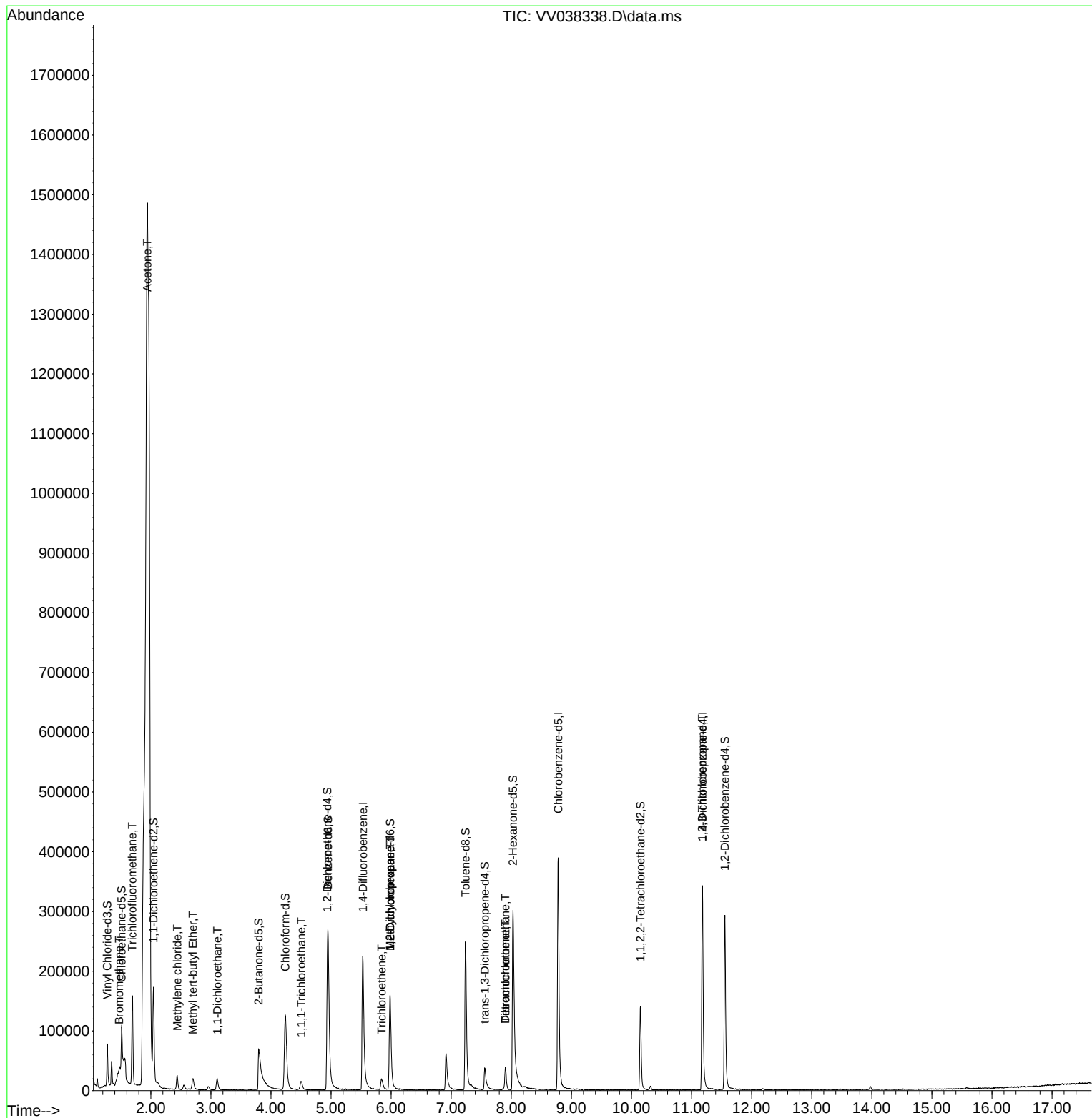
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.529  | 114   | 215972   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.780  | 117   | 233323   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.181 | 152   | 97598    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.275  | 65    | 50849    | 3.072    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 61.400%  |
| 7) Chloroethane-d5            | 1.513  | 69    | 36449    | 2.722    | ug/L   | -0.02    |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 54.400%# |
| 11) 1,1-Dichloroethene-d2     | 2.043  | 65    | 24738    | 3.473    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 69.400%  |
| 20) 2-Butanone-d5             | 3.796  | 46    | 161102   | 48.649   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 97.300%  |
| 24) Chloroform-d              | 4.239  | 84    | 143906   | 4.479    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 89.600%  |
| 26) 1,2-Dichloroethane-d4     | 4.937  | 65    | 69653    | 4.832    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 96.600%  |
| 32) Benzene-d6                | 4.950  | 84    | 245865   | 4.077    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 81.600%  |
| 36) 1,2-Dichloropropane-d6    | 5.982  | 67    | 84189    | 4.537    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 90.800%  |
| 41) Toluene-d8                | 7.236  | 98    | 187309   | 3.357    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 67.200%# |
| 43) trans-1,3-Dichloroprop... | 7.558  | 79    | 28926    | 4.193    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 83.800%  |
| 46) 2-Hexanone-d5             | 8.027  | 63    | 120659   | 44.992   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 89.980%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149 | 84    | 73633    | 4.674    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 93.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.554 | 152   | 78937    | 4.747    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 95.000%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 6) Bromomethane               | 1.474  | 94    | 1835     | 0.236    | ug/L   | 89       |
| 9) Trichlorofluoromethane     | 1.693  | 101   | 88940    | 3.135    | ug/L   | 99       |
| 13) Acetone                   | 1.941  | 43    | 863158   | 352.425  | ug/L   | 41       |
| 16) Methylene chloride        | 2.439  | 84    | 9959     | 0.566    | ug/L   | 90       |
| 17) Methyl tert-butyl Ether   | 2.699  | 73    | 18741    | 0.537    | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.104  | 63    | 19612    | 0.665    | ug/L   | 96       |
| 29) 1,1,1-Trichloroethane     | 4.503  | 97    | 13127    | 0.469    | ug/L   | 96       |
| 34) Trichloroethene           | 5.841  | 95    | 6802     | 0.381    | ug/L   | 94       |
| 35) Methylcyclohexane         | 5.982  | 83    | 21050    | 0.833    | ug/L # | 19       |
| 37) 1,2-Dichloropropane       | 5.982  | 63    | 9248     | 0.563    | ug/L # | 87       |
| 47) Tetrachloroethene         | 7.902  | 164   | 9036     | 0.629    | ug/L   | 98       |
| 49) Dibromochloromethane      | 7.899  | 129   | 9374     | 0.646    | ug/L # | 11       |
| 61) 1,2,3-Trichloropropane    | 11.178 | 75    | 11803    | 1.413    | ug/L # | 66       |
| -----                         |        |       |          |          |        |          |

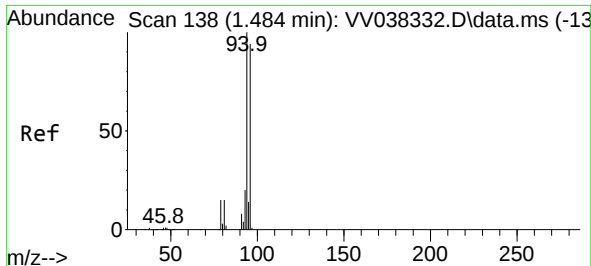
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV112524\  
Data File : VV038338.D  
Acq On : 25 Nov 2024 12:50  
Operator : SY/MD  
Sample : P4884-02DL 4X  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Nov 26 00:41:51 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111924WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Tue Nov 26 00:39:03 2024  
Response via : Initial Calibration

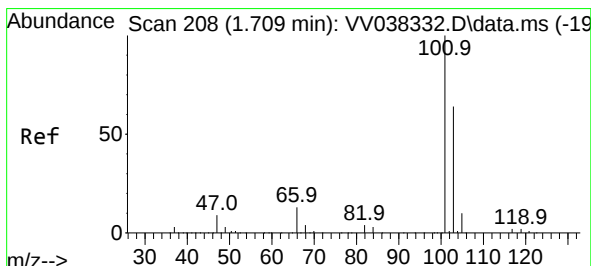
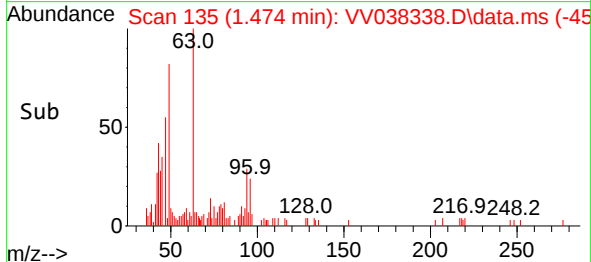
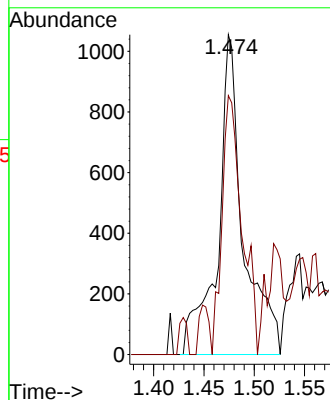
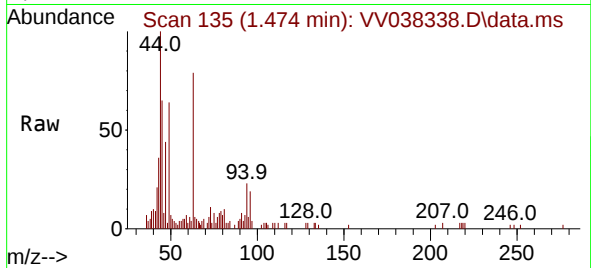




#6  
Bromomethane  
Concen: 0.236 ug/L  
RT: 1.474 min Scan# 11  
Delta R.T. -0.010 min  
Lab File: VV038338.D  
Acq: 25 Nov 2024 12:50

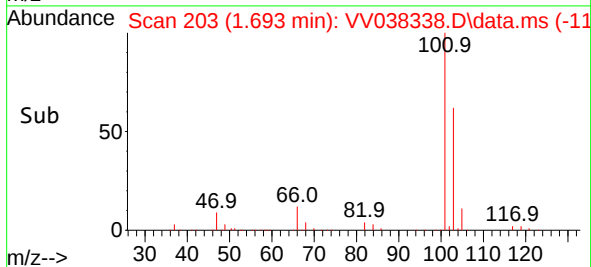
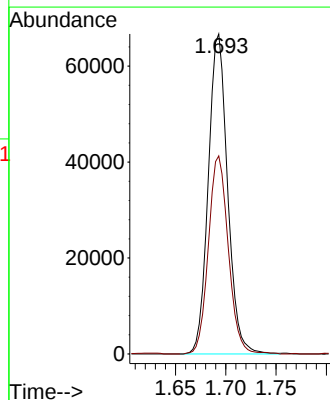
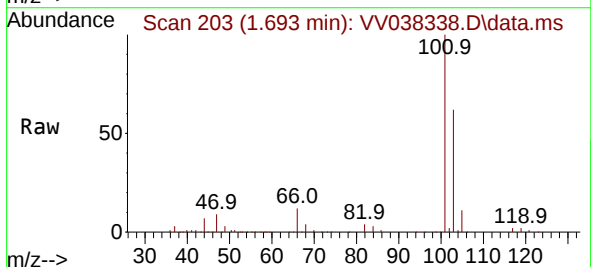
Instrument :  
MSVOA\_V  
ClientSampleId :

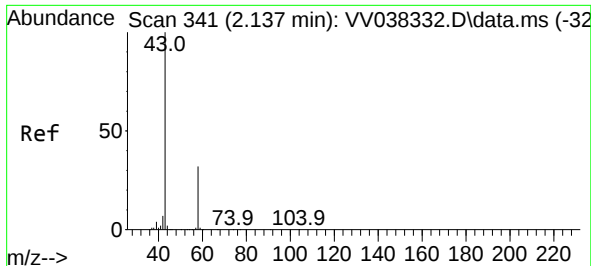
Tgt Ion: 94 Resp: 1835  
Ion Ratio Lower Upper  
94 100  
96 80.9 63.7 118.3



#9  
Trichlorofluoromethane  
Concen: 3.135 ug/L  
RT: 1.693 min Scan# 203  
Delta R.T. -0.016 min  
Lab File: VV038338.D  
Acq: 25 Nov 2024 12:50

Tgt Ion:101 Resp: 88940  
Ion Ratio Lower Upper  
101 100  
103 64.0 51.5 77.3





#13

Acetone

Concen: 352.425 ug/L

RT: 1.941 min Scan# 21

Delta R.T. -0.196 min

Lab File: VV038338.D

Acq: 25 Nov 2024 12:50

Instrument :

MSVOA\_V

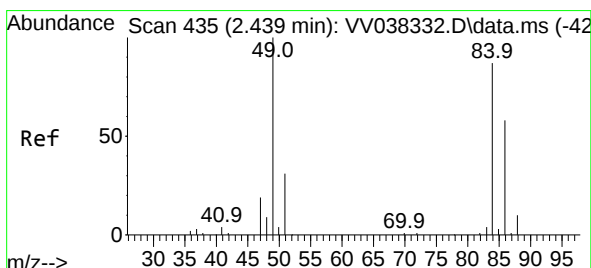
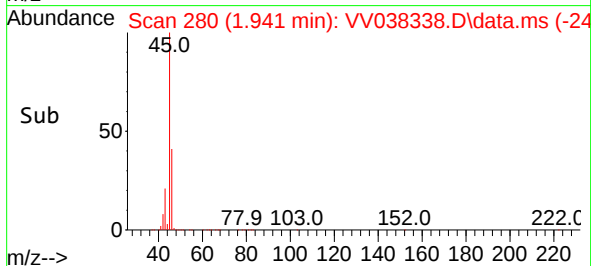
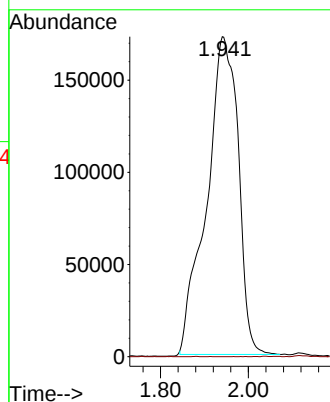
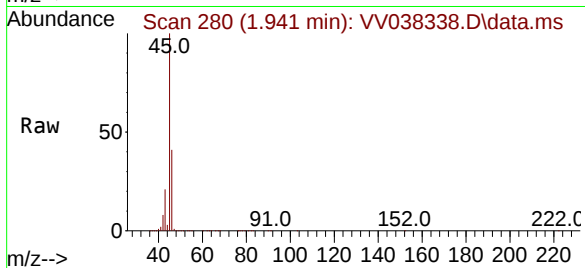
ClientSampleId :

Tgt Ion: 43 Resp: 863158

Ion Ratio Lower Upper

43 100

58 0.0 0.0 67.2



#16

Methylene chloride

Concen: 0.566 ug/L

RT: 2.439 min Scan# 435

Delta R.T. -0.000 min

Lab File: VV038338.D

Acq: 25 Nov 2024 12:50

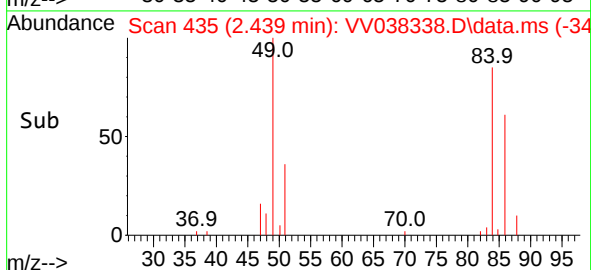
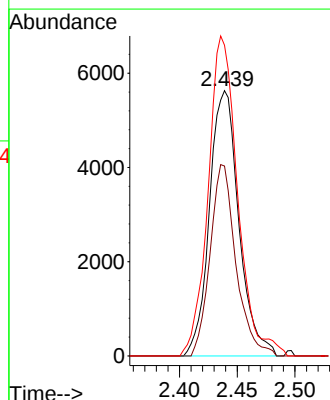
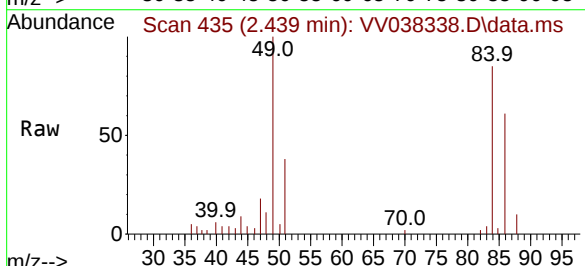
Tgt Ion: 84 Resp: 9959

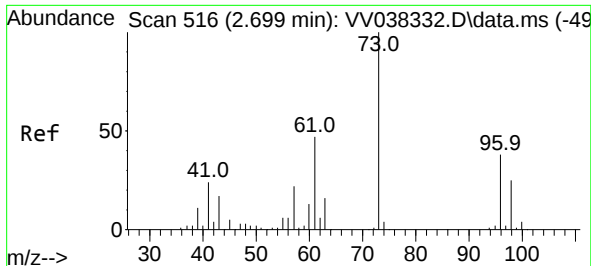
Ion Ratio Lower Upper

84 100

86 71.6 44.2 82.2

49 117.1 74.9 139.1





#17

Methyl tert-butyl Ether

Concen: 0.537 ug/L

RT: 2.699 min Scan# 516

Delta R.T. -0.000 min

Lab File: VV038338.D

Acq: 25 Nov 2024 12:50

Instrument :

MSVOA\_V

ClientSampleId :

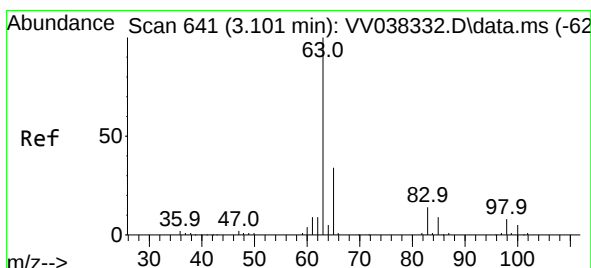
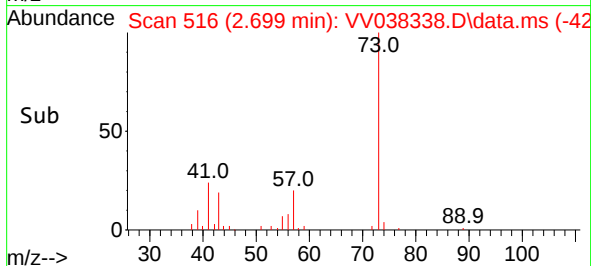
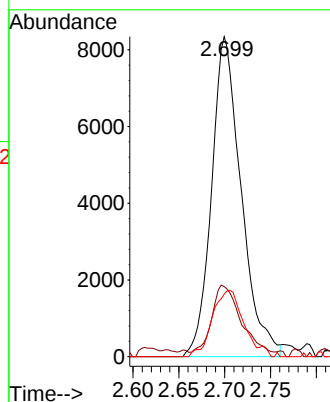
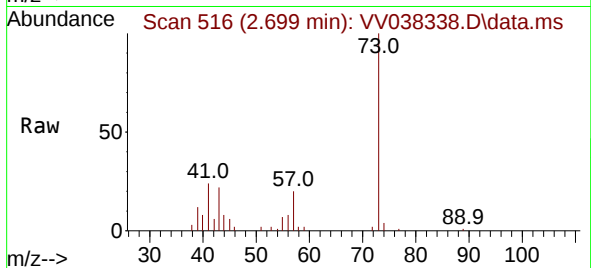
Tgt Ion: 73 Resp: 18741

Ion Ratio Lower Upper

73 100

43 20.8 14.2 21.2

57 22.0 17.6 26.4



#19

1,1-Dichloroethane

Concen: 0.665 ug/L

RT: 3.104 min Scan# 642

Delta R.T. 0.003 min

Lab File: VV038338.D

Acq: 25 Nov 2024 12:50

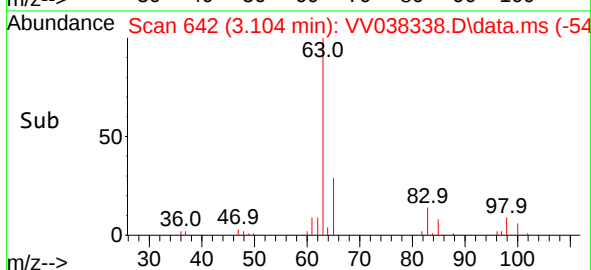
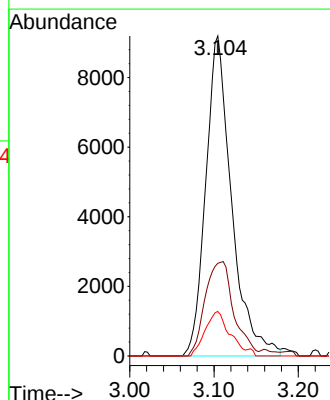
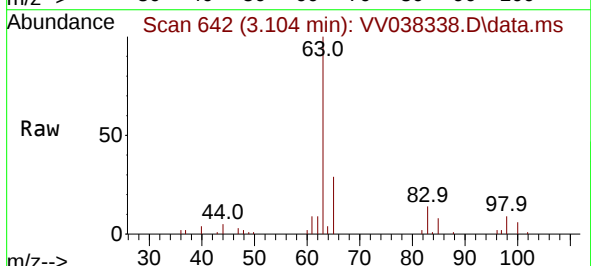
Tgt Ion: 63 Resp: 19612

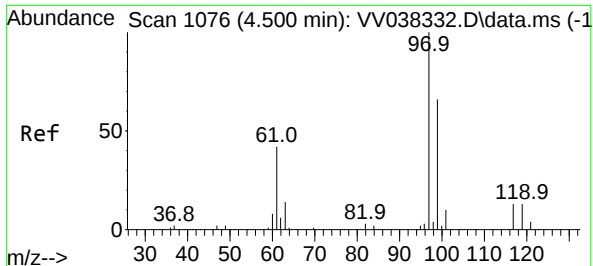
Ion Ratio Lower Upper

63 100

65 28.9 22.5 41.7

83 13.9 10.1 18.9





#29

1,1,1-Trichloroethane

Concen: 0.469 ug/L

RT: 4.503 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV038338.D

Acq: 25 Nov 2024 12:50

Instrument :

MSVOA\_V

ClientSampleId :

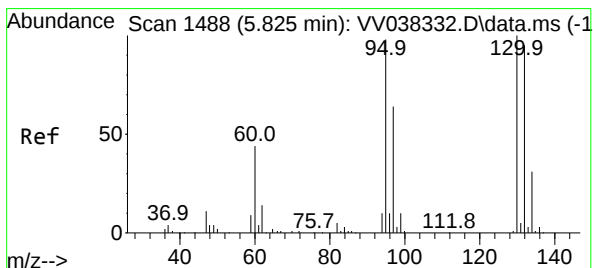
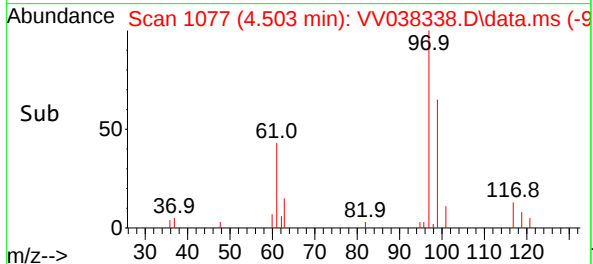
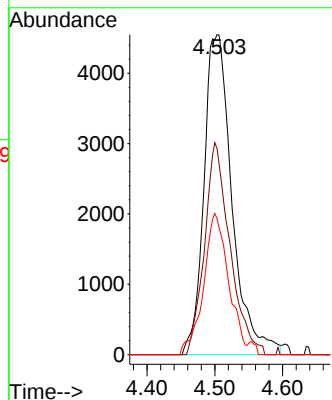
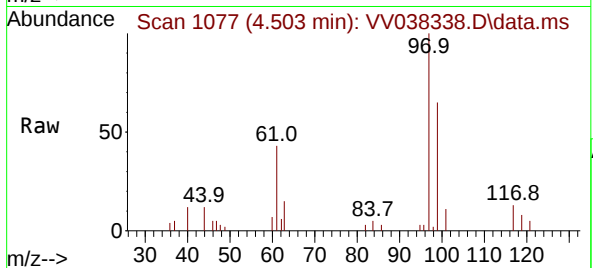
Tgt Ion: 97 Resp: 13127

Ion Ratio Lower Upper

97 100

99 59.9 51.8 77.8

61 39.2 32.2 48.2



#34

Trichloroethene

Concen: 0.381 ug/L

RT: 5.841 min Scan# 1493

Delta R.T. 0.016 min

Lab File: VV038338.D

Acq: 25 Nov 2024 12:50

Tgt Ion: 95 Resp: 6802

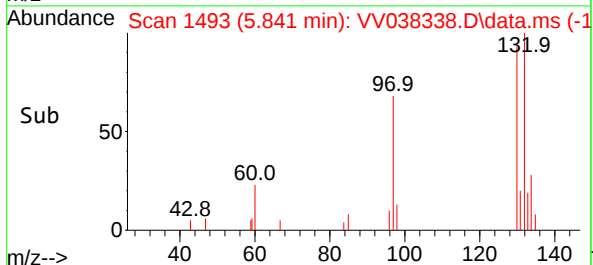
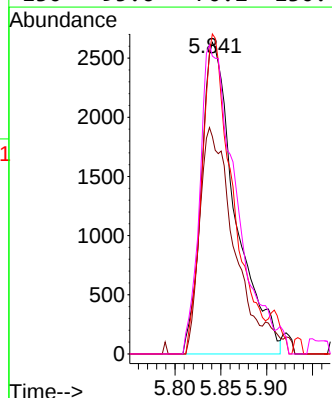
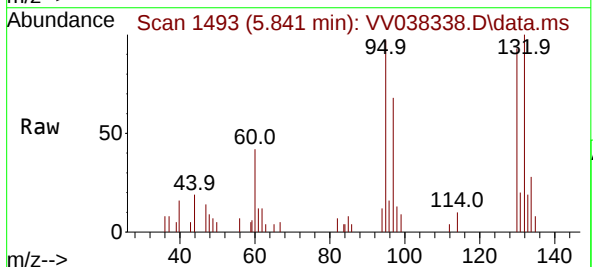
Ion Ratio Lower Upper

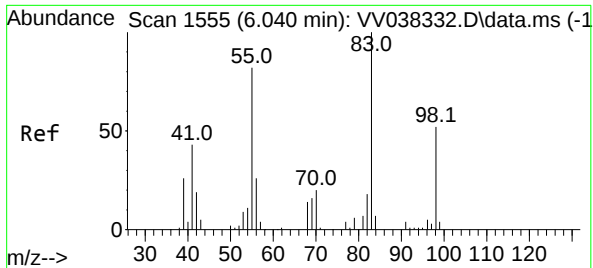
95 100

97 69.8 44.8 83.2

132 102.7 68.3 126.8

130 95.6 70.2 130.4

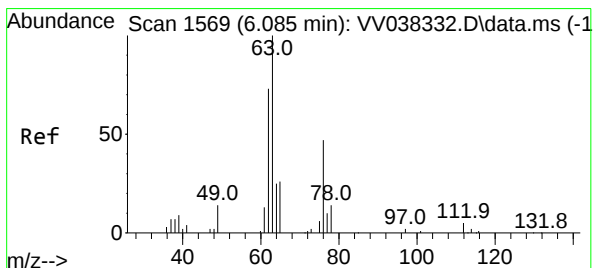
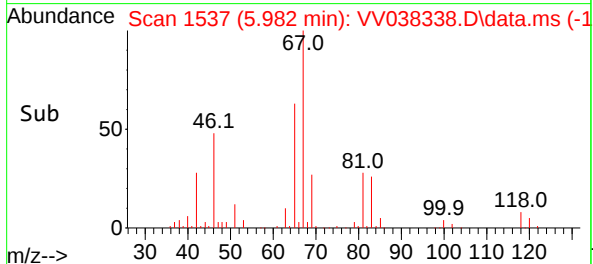
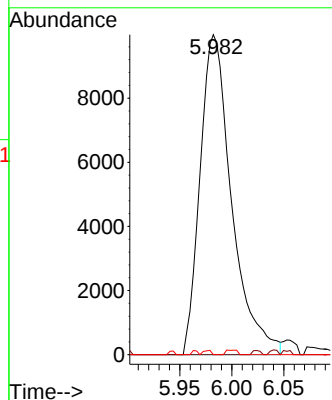
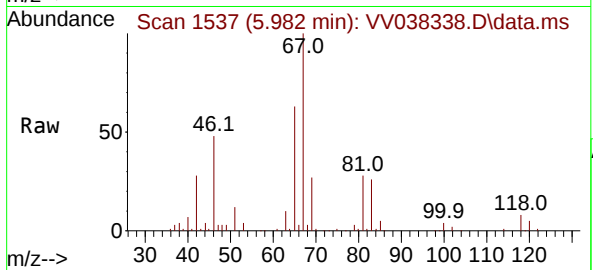




#35  
Methylcyclohexane  
Concen: 0.833 ug/L  
RT: 5.982 min Scan# 1537  
Delta R.T. -0.058 min  
Lab File: VV038338.D  
Acq: 25 Nov 2024 12:50

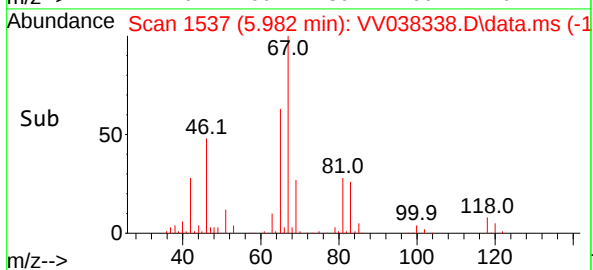
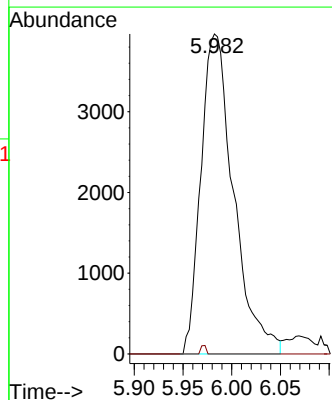
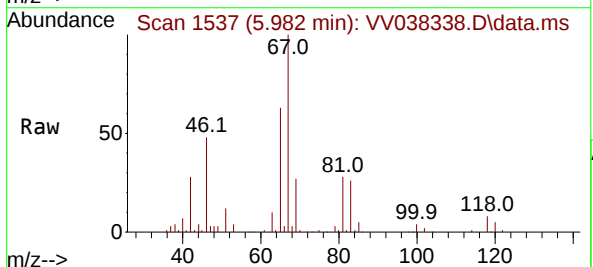
Instrument :  
MSVOA\_V  
ClientSampleId :

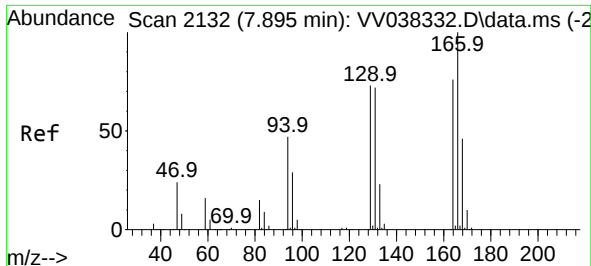
| Tgt Ion   | 83  | Resp | 21050 |
|-----------|-----|------|-------|
| Ion Ratio | 100 |      |       |
| Lower     |     |      |       |
| Upper     |     |      |       |
| 55        | 0.0 | 59.7 | 89.5# |
| 98        | 0.3 | 39.0 | 58.4# |



#37  
1,2-Dichloropropane  
Concen: 0.563 ug/L  
RT: 5.982 min Scan# 1537  
Delta R.T. -0.103 min  
Lab File: VV038338.D  
Acq: 25 Nov 2024 12:50

| Tgt Ion                                    | 63  | Resp | 9248 |
|--------------------------------------------|-----|------|------|
| Ion Ratio <td>100</td> <td></td> <td></td> | 100 |      |      |
| Lower                                      |     |      |      |
| Upper                                      |     |      |      |
| 112                                        | 0.4 | 3.9  | 5.9# |

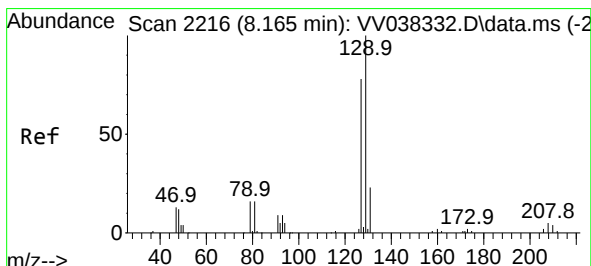
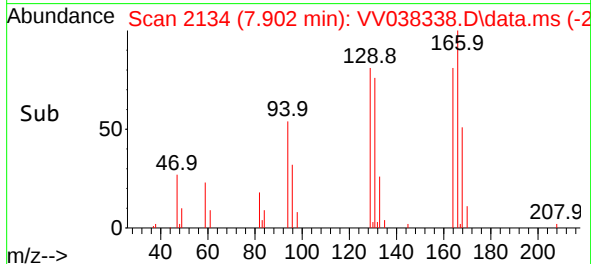
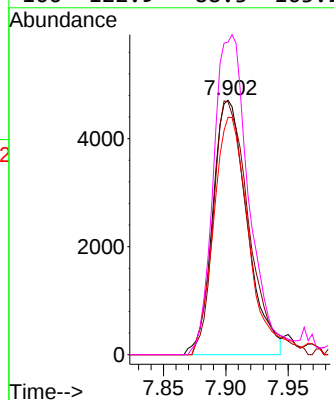
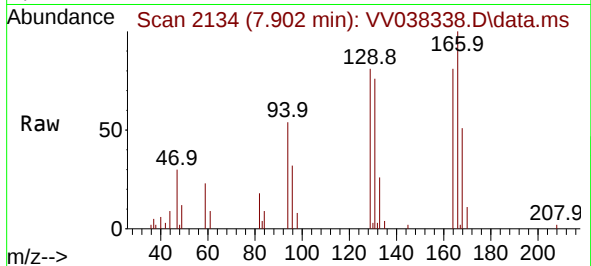




#47  
Tetrachloroethene  
Concen: 0.629 ug/L  
RT: 7.902 min Scan# 2133  
Delta R.T. 0.006 min  
Lab File: VV038338.D  
Acq: 25 Nov 2024 12:50

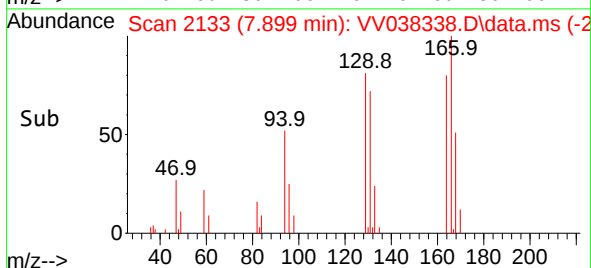
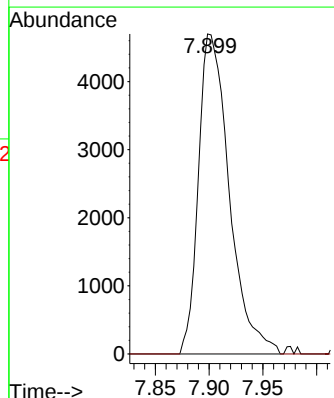
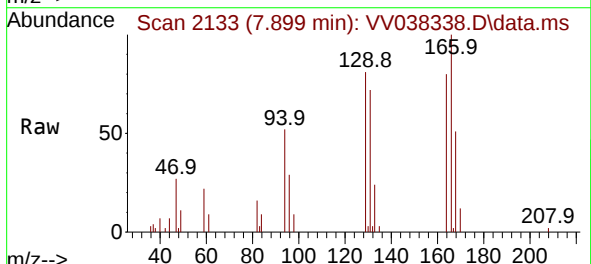
Instrument :  
MSVOA\_V  
ClientSampleId :

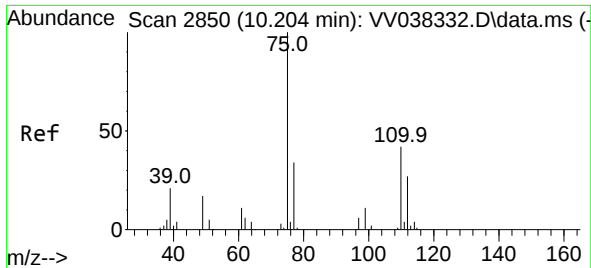
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:164 | Resp: | 9036       |
| Ion Ratio   | Lower | Upper      |
| 164         | 100   |            |
| 129         | 99.4  | 68.5 127.1 |
| 131         | 93.3  | 64.8 120.4 |
| 166         | 122.9 | 88.3 163.9 |



#49  
Dibromochloromethane  
Concen: 0.646 ug/L  
RT: 7.899 min Scan# 2133  
Delta R.T. -0.267 min  
Lab File: VV038338.D  
Acq: 25 Nov 2024 12:50

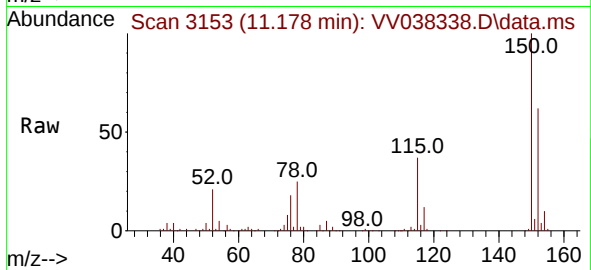
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:129 | Resp: | 9374       |
| Ion Ratio   | Lower | Upper      |
| 129         | 100   |            |
| 127         | 0.0   | 53.5 99.3# |





#61  
 1,2,3-Trichloropropane  
 Concen: 1.413 ug/L  
 RT: 11.178 min Scan# 31  
 Delta R.T. 0.974 min  
 Lab File: VV038338.D  
 Acq: 25 Nov 2024 12:50

Instrument :  
 MSVOA\_V  
 ClientSampleId :



Tgt Ion: 75 Resp: 11803  
 Ion Ratio Lower Upper  
 75 100  
 77 32.6 26.4 39.6  
 110 2.6 32.3 48.5#

