

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW111521\  
 Data File : VW023491.D  
 Acq On : 15 Nov 2021 18:42  
 Operator : SY/MD  
 Sample : M4617-04  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG225

Quant Time: Nov 16 00:34:52 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR110421WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Nov 16 00:29:25 2021  
 Response via : Initial Calibration

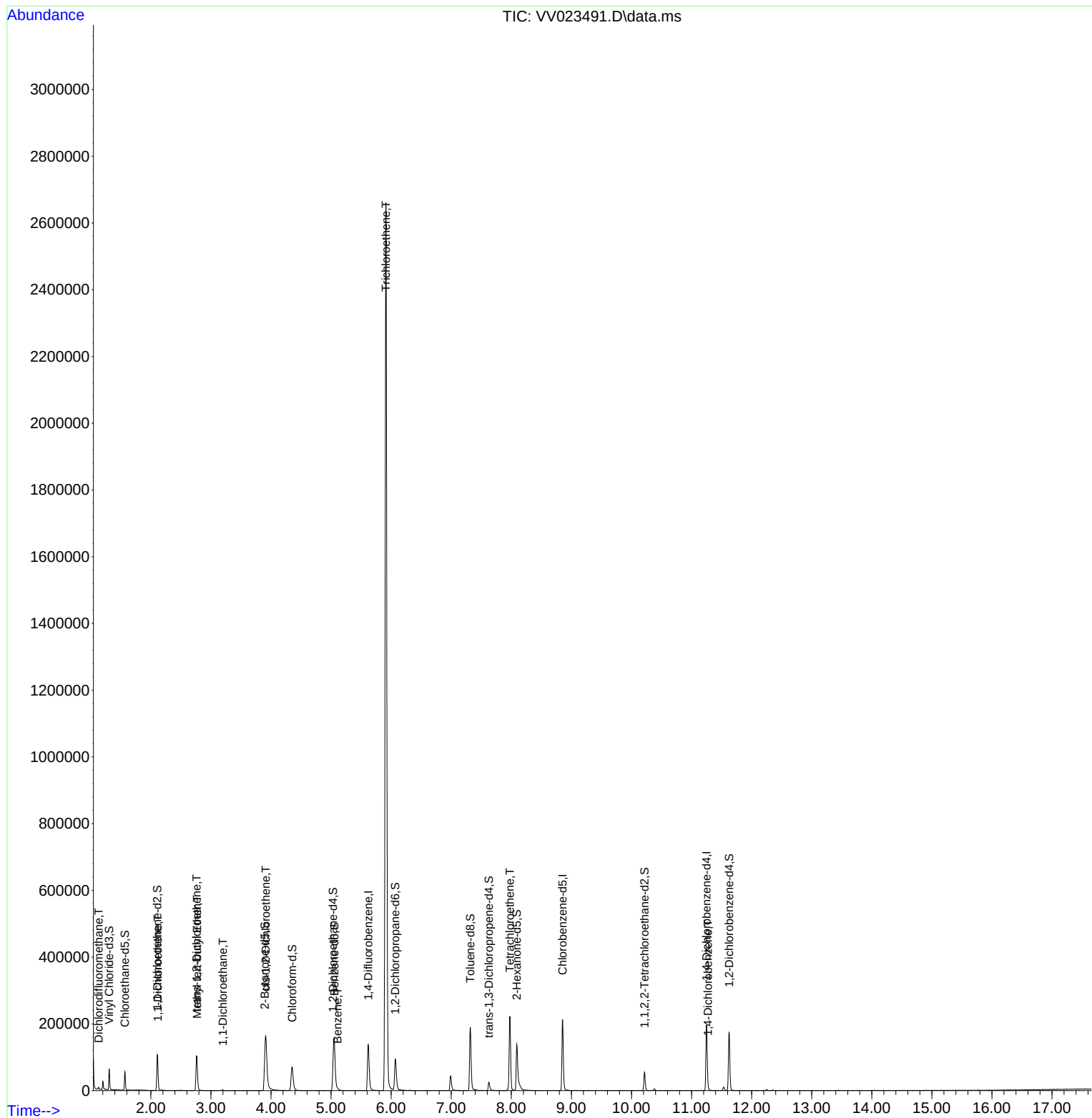
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 5.619  | 114            | 119264   | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 8.854  | 117            | 120279   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152            | 54142    | 5.000  | ug/L     | 0.00     |
|                               |        |                |          |        |          |          |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.307  | 65             | 39594    | 5.299  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 106.000% |          |
| 7) Chloroethane-d5            | 1.568  | 69             | 31898    | 5.238  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 104.800% |          |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63             | 54231    | 3.877  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 77.600%  |          |
| 20) 2-Butanone-d5             | 3.896  | 46             | 68268    | 53.036 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 106.080% |          |
| 24) Chloroform-d              | 4.352  | 84             | 73124    | 4.592  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 91.800%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.034  | 65             | 35136    | 4.907  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 98.200%  |          |
| 32) Benzene-d6                | 5.053  | 84             | 141607   | 4.588  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 91.800%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.069  | 67             | 43578    | 4.797  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 96.000%  |          |
| 41) Toluene-d8                | 7.317  | 98             | 127698   | 4.416  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 88.400%  |          |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79             | 15453    | 4.486  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 89.800%  |          |
| 46) 2-Hexanone-d5             | 8.092  | 63             | 44329    | 34.976 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 69.960%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84             | 25541    | 3.909  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 78.200%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152            | 46425    | 5.150  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 103.000% |          |
|                               |        |                |          |        |          |          |
| Target Compounds              |        |                |          |        |          | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.131  | 85             | 3401     | 0.292  | ug/L     | 99       |
| 12) 1,1-Dichloroethene        | 2.118  | 96             | 2365     | 0.333  | ug/L #   | 1        |
| 17) Methyl tert-butyl Ether   | 2.770  | 73             | 2071     | 0.132  | ug/L #   | 90       |
| 18) trans-1,2-Dichloroethene  | 2.761  | 96             | 40900    | 4.678  | ug/L     | 94       |
| 19) 1,1-Dichloroethane        | 3.198  | 63             | 1684     | 0.114  | ug/L #   | 90       |
| 22) cis-1,2-Dichloroethene    | 3.912  | 96             | 81351    | 9.669  | ug/L #   | 89       |
| 33) Benzene                   | 5.105  | 78             | 4272     | 0.127  | ug/L     | 100      |
| 34) Trichloroethene           | 5.912  | 95             | 868735   | 97.173 | ug/L     | 99       |
| 47) Tetrachloroethene         | 7.976  | 164            | 51196    | 6.608  | ug/L     | 97       |
| 65) 1,4-Dichlorobenzene       | 11.272 | 146            | 1550     | 0.096  | ug/L     | 84       |
| -----                         |        |                |          |        |          |          |

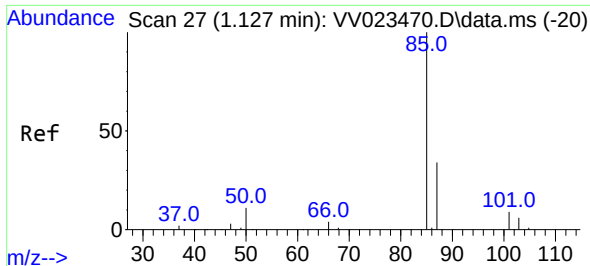
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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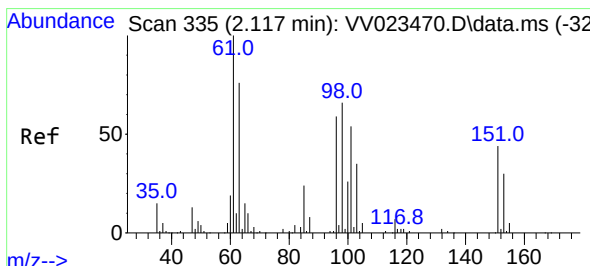
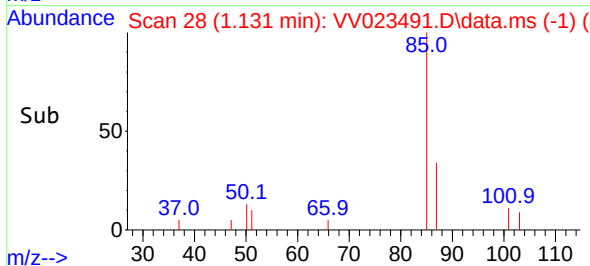
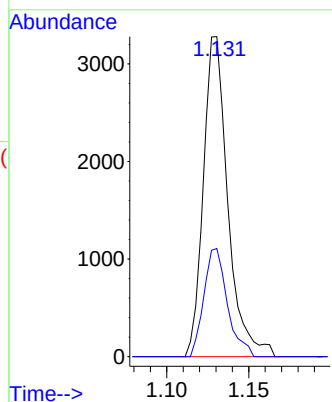
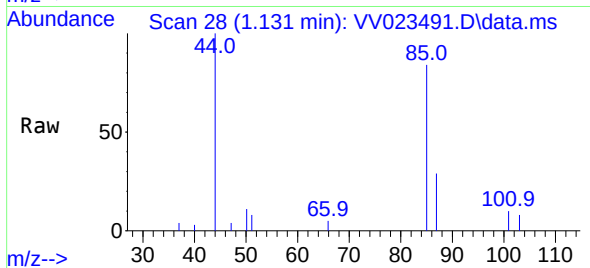




#2  
Dichlorodifluoromethane  
Concen: 0.292 ug/L  
RT: 1.131 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VV023491.D  
Acq: 15 Nov 2021 18:42

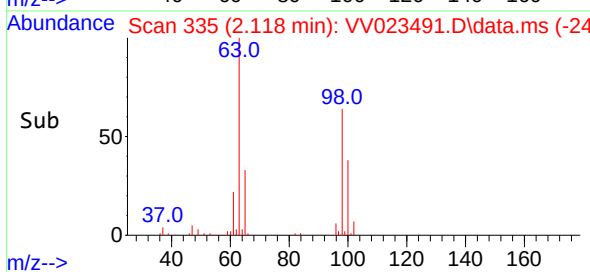
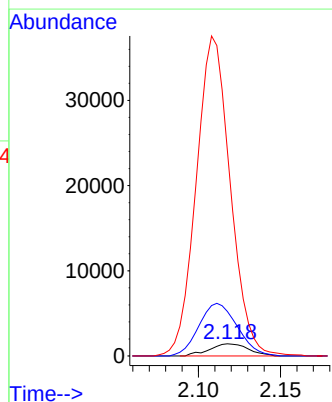
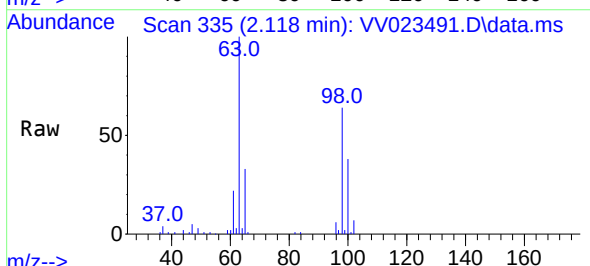
Instrument :  
MSVOA\_V  
ClientSampleId :  
BG225

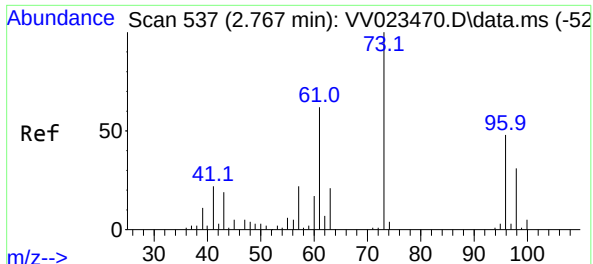
Tgt Ion: 85 Resp: 3401  
Ion Ratio Lower Upper  
85 100  
87 32.4 26.6 39.8



#12  
1,1-Dichloroethene  
Concen: 0.333 ug/L  
RT: 2.118 min Scan# 335  
Delta R.T. 0.000 min  
Lab File: VV023491.D  
Acq: 15 Nov 2021 18:42

Tgt Ion: 96 Resp: 2365  
Ion Ratio Lower Upper  
96 100  
61 364.9 121.5 225.7#  
63 1684.5 99.6 185.0#





#17

Methyl tert-butyl Ether

Concen: 0.132 ug/L

RT: 2.770 min Scan# 51

Delta R.T. 0.003 min

Lab File: VV023491.D

Acq: 15 Nov 2021 18:42

Instrument :

MSVOA\_V

ClientSampleId :

BG225

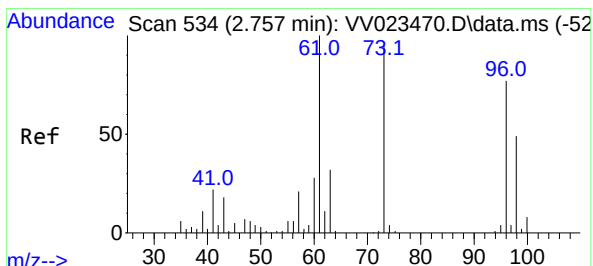
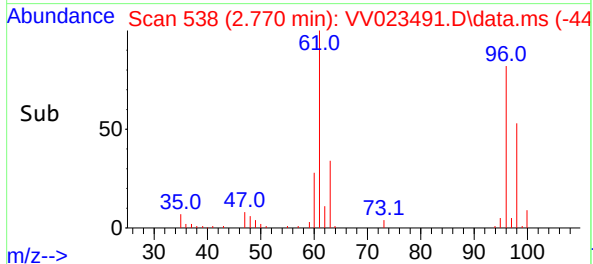
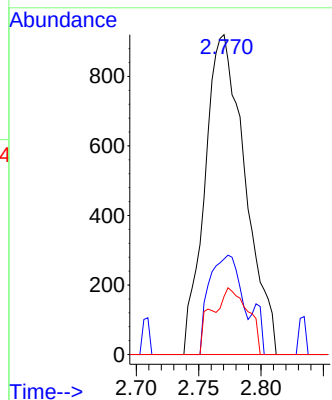
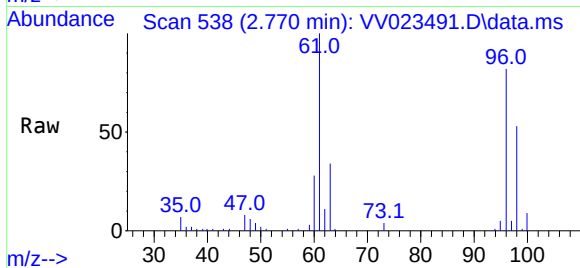
Tgt Ion: 73 Resp: 2071

Ion Ratio Lower Upper

73 100

43 24.4 17.4 26.0

57 13.9 16.5 24.7#



#18

trans-1,2-Dichloroethene

Concen: 4.678 ug/L

RT: 2.761 min Scan# 535

Delta R.T. 0.003 min

Lab File: VV023491.D

Acq: 15 Nov 2021 18:42

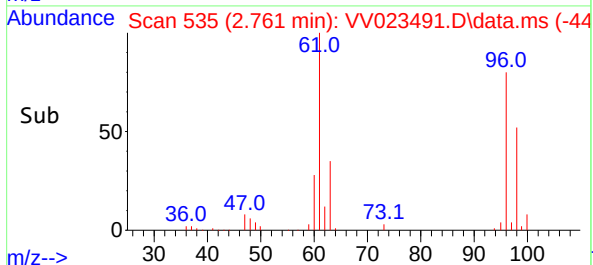
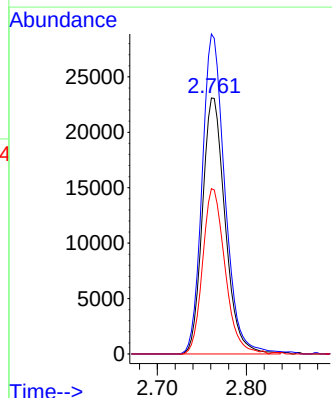
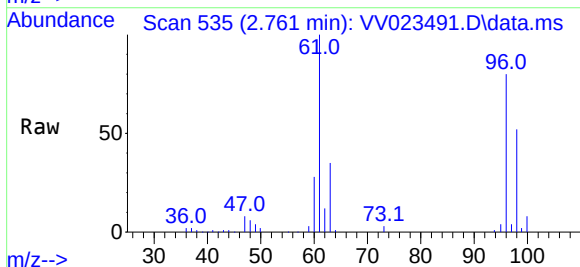
Tgt Ion: 96 Resp: 40900

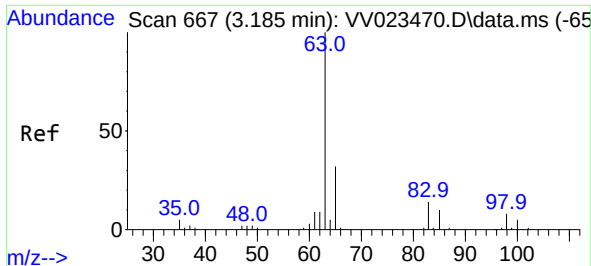
Ion Ratio Lower Upper

96 100

61 125.0 93.2 173.2

98 64.6 47.0 87.2





#19

1,1-Dichloroethane

Concen: 0.114 ug/L

RT: 3.198 min Scan# 61

Delta R.T. 0.013 min

Lab File: VV023491.D

Acq: 15 Nov 2021 18:42

Instrument :

MSVOA\_V

ClientSampleId :

BG225

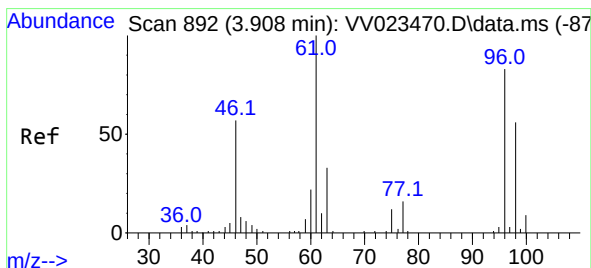
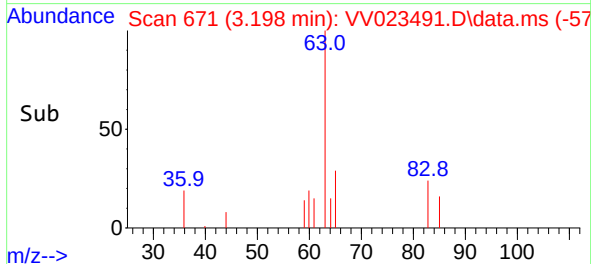
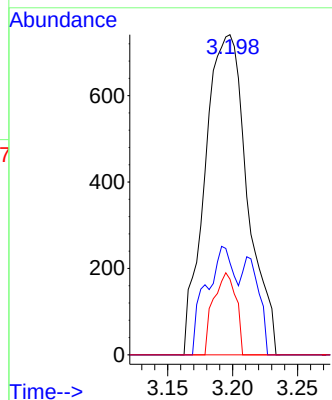
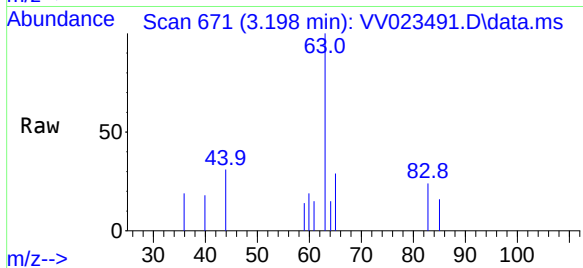
Tgt Ion: 63 Resp: 1684

Ion Ratio Lower Upper

63 100

65 28.7 22.6 42.0

83 23.6 11.1 20.7#



#22

cis-1,2-Dichloroethene

Concen: 9.669 ug/L

RT: 3.912 min Scan# 893

Delta R.T. 0.003 min

Lab File: VV023491.D

Acq: 15 Nov 2021 18:42

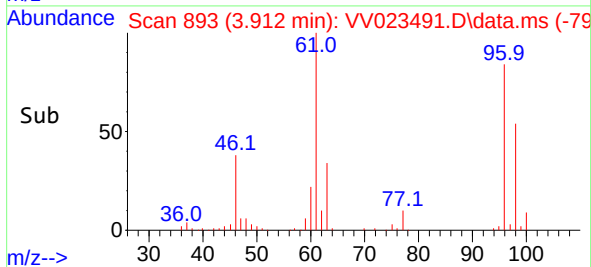
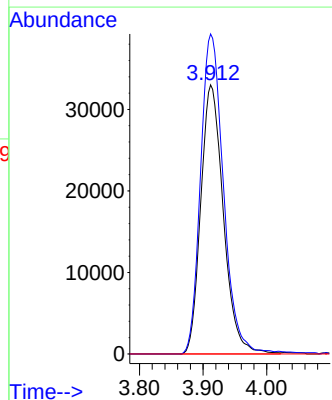
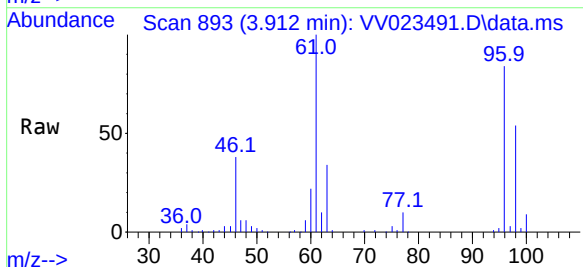
Tgt Ion: 96 Resp: 81351

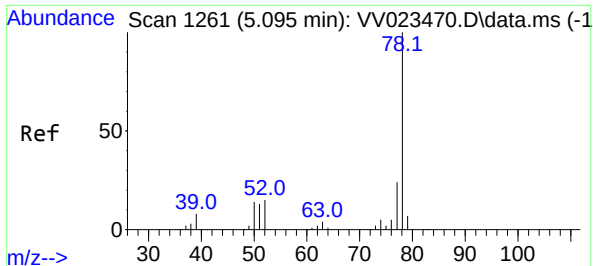
Ion Ratio Lower Upper

96 100

61 118.9 92.3 171.3

68 0.0 0.4 0.8#

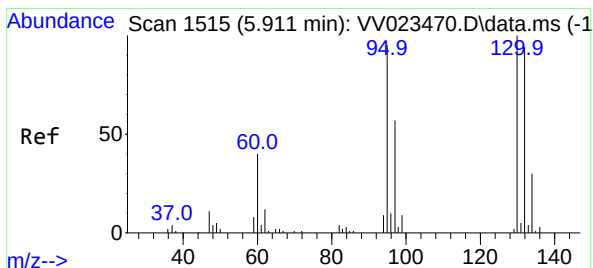
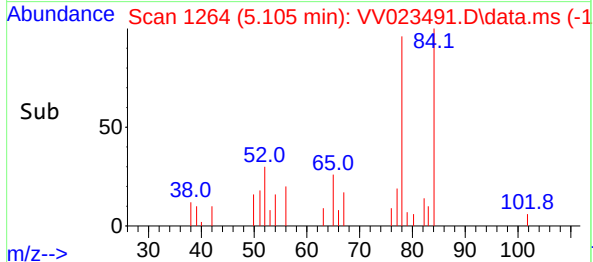
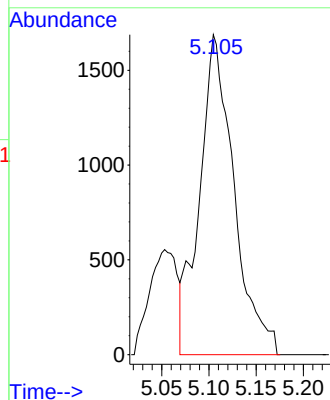
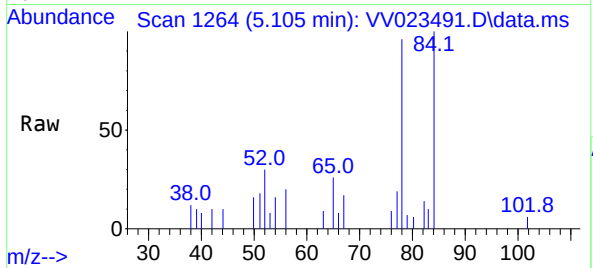




#33  
Benzene  
Concen: 0.127 ug/L  
RT: 5.105 min Scan# 11  
Delta R.T. 0.010 min  
Lab File: VV023491.D  
Acq: 15 Nov 2021 18:42

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ClientSampleId : BG225

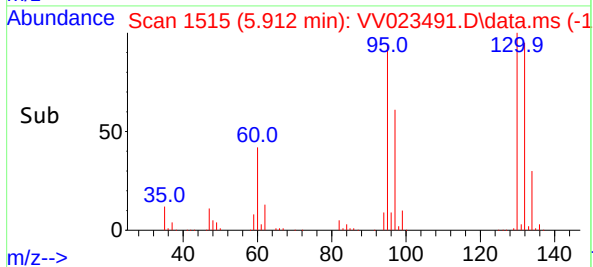
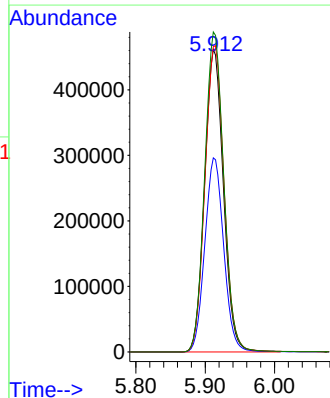
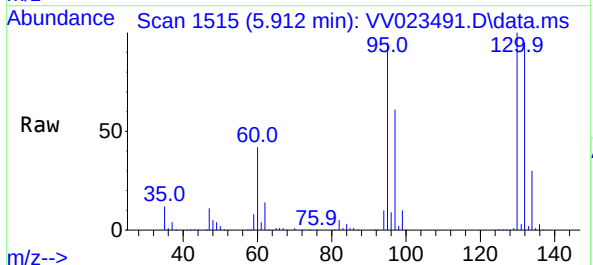
Tgt Ion: 78 Resp: 4272

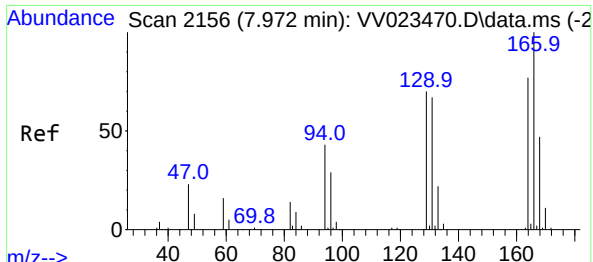


#34  
Trichloroethene  
Concen: 97.173 ug/L  
RT: 5.912 min Scan# 1515  
Delta R.T. 0.000 min  
Lab File: VV023491.D  
Acq: 15 Nov 2021 18:42

Tgt Ion: 95 Resp: 868735

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 64.1  | 45.0  | 83.6  |
| 132 | 100.9 | 69.7  | 129.4 |
| 130 | 105.8 | 73.7  | 136.9 |



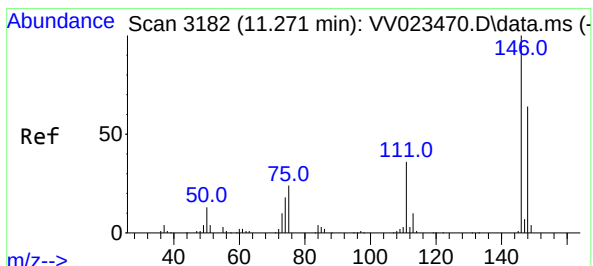
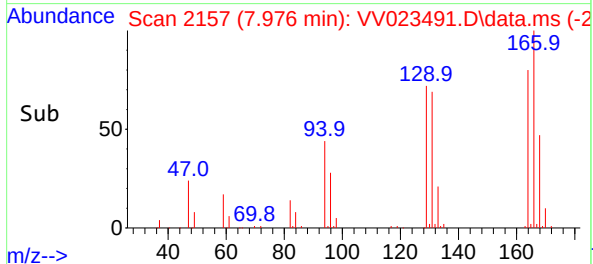
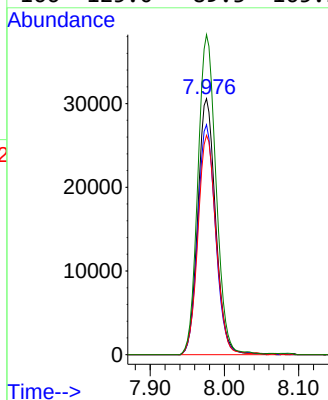
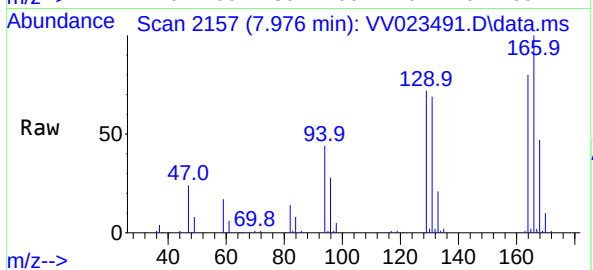


#47  
Tetrachloroethene  
Concen: 6.608 ug/L  
RT: 7.976 min Scan# 2156  
Delta R.T. 0.003 min  
Lab File: VV023491.D  
Acq: 15 Nov 2021 18:42

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Tgt Ion:164 Resp: 51196

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 89.8  | 64.0  | 119.0 |
| 131 | 85.7  | 63.4  | 117.8 |
| 166 | 125.0 | 89.3  | 165.9 |



#65  
1,4-Dichlorobenzene  
Concen: 0.096 ug/L  
RT: 11.272 min Scan# 3182  
Delta R.T. 0.000 min  
Lab File: VV023491.D  
Acq: 15 Nov 2021 18:42

Tgt Ion:146 Resp: 1550

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 29.7  | 26.2  | 48.8  |
| 148 | 49.9  | 44.4  | 82.5  |

