

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW111621\  
 Data File : VW023545.D  
 Acq On : 16 Nov 2021 19:37  
 Operator : SY/MD  
 Sample : M4616-19  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG204

Quant Time: Nov 17 00:55:16 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR110421WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Nov 17 00:48:57 2021  
 Response via : Initial Calibration

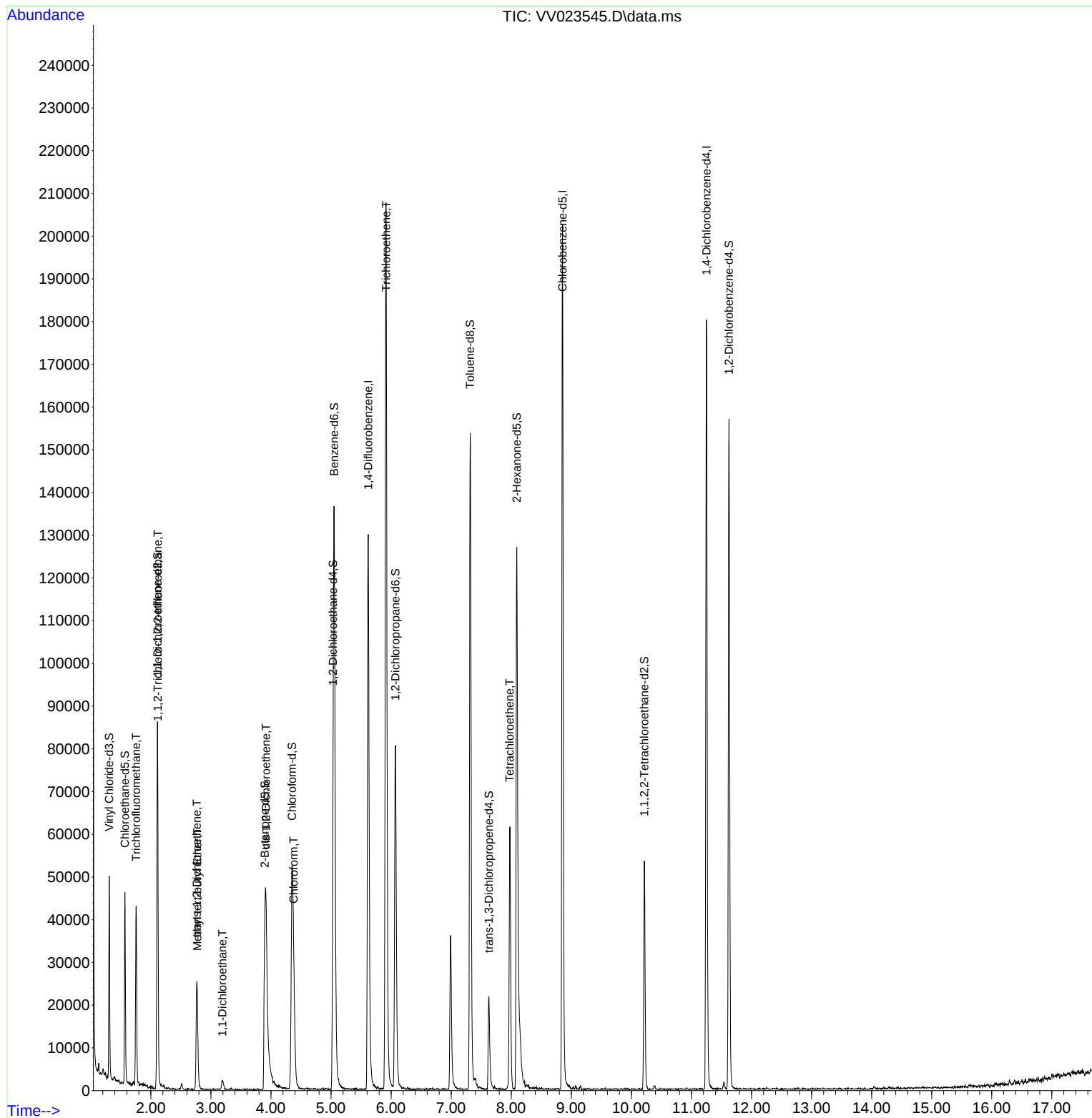
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.619  | 114   | 114052   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.854  | 117   | 112406   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 49245    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.307  | 65    | 29618    | 4.145    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 83.000%  |
| 7) Chloroethane-d5            | 1.568  | 69    | 26037    | 4.471    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 89.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.111  | 63    | 43328    | 3.239    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 64.800%  |
| 20) 2-Butanone-d5             | 3.899  | 46    | 65983    | 53.604   | ug/L   | -0.01    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 107.200% |
| 24) Chloroform-d              | 4.352  | 84    | 47299    | 3.106    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 62.200%# |
| 26) 1,2-Dichloroethane-d4     | 5.034  | 65    | 31607    | 4.616    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 92.400%  |
| 32) Benzene-d6                | 5.053  | 84    | 121659   | 4.218    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 84.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.072  | 67    | 38397    | 4.523    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 90.400%  |
| 41) Toluene-d8                | 7.317  | 98    | 105937   | 3.920    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 78.400%  |
| 43) trans-1,3-Dichloroprop... | 7.628  | 79    | 12957    | 4.025    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 80.400%  |
| 46) 2-Hexanone-d5             | 8.091  | 63    | 42208    | 35.635   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 71.260%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84    | 23899    | 3.914    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 78.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152   | 42375    | 5.168    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 103.400% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 9) Trichlorofluoromethane     | 1.754  | 101   | 24319    | 1.714    | ug/L   | 96       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.114  | 101   | 769      | 0.108    | ug/L # | 47       |
| 17) Methyl tert-butyl Ether   | 2.773  | 73    | 8949     | 0.598    | ug/L   | 96       |
| 18) trans-1,2-Dichloroethene  | 2.767  | 96    | 6508     | 0.778    | ug/L   | 96       |
| 19) 1,1-Dichloroethane        | 3.191  | 63    | 2394     | 0.170    | ug/L # | 90       |
| 22) cis-1,2-Dichloroethene    | 3.915  | 96    | 12952    | 1.610    | ug/L # | 88       |
| 25) Chloroform                | 4.378  | 83    | 20589    | 1.368    | ug/L   | 99       |
| 34) Trichloroethene           | 5.915  | 95    | 69183    | 8.281    | ug/L   | 98       |
| 47) Tetrachloroethene         | 7.976  | 164   | 13984    | 1.931    | ug/L   | 97       |
| -----                         |        |       |          |          |        |          |

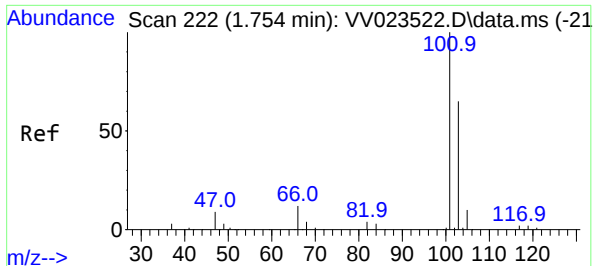
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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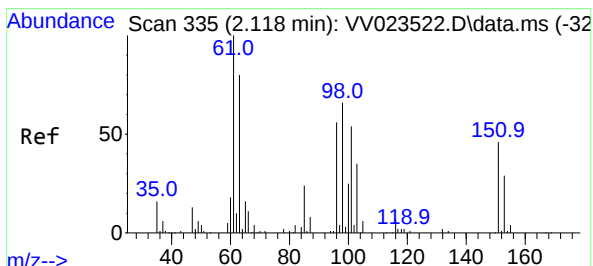
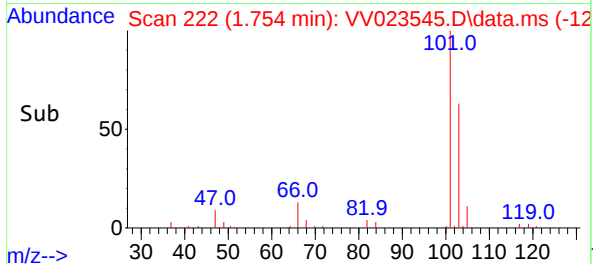
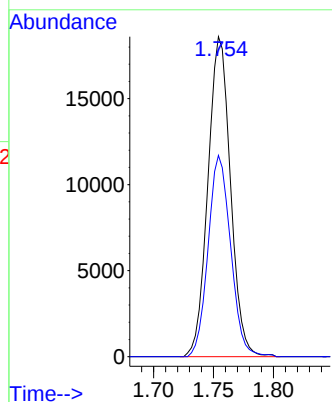
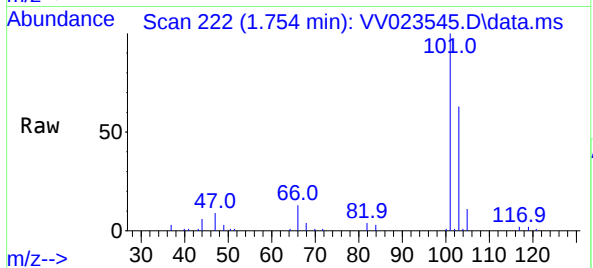




#9  
 Trichlorofluoromethane  
 Concen: 1.714 ug/L  
 RT: 1.754 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VV023545.D  
 Acq: 16 Nov 2021 19:37

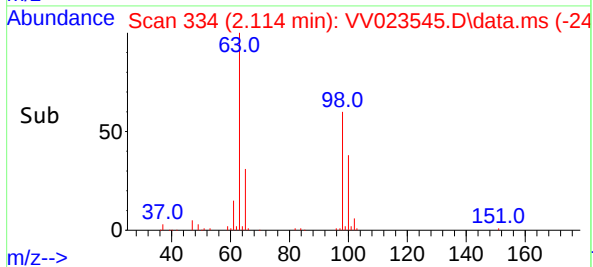
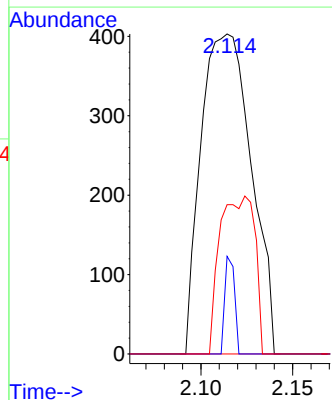
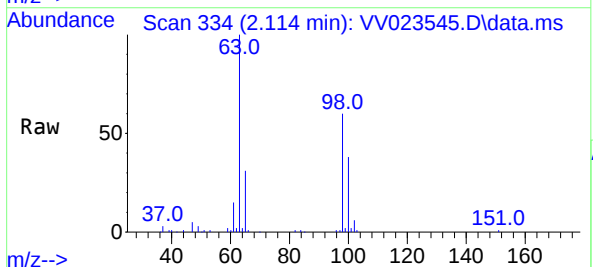
Instrument :  
 MSVOA\_V  
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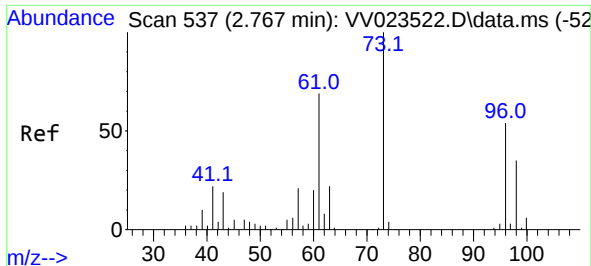
Tgt Ion:101 Resp: 24319  
 Ion Ratio Lower Upper  
 101 100  
 103 62.9 52.6 79.0



#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.108 ug/L  
 RT: 2.114 min Scan# 334  
 Delta R.T. -0.003 min  
 Lab File: VV023545.D  
 Acq: 16 Nov 2021 19:37

Tgt Ion:101 Resp: 769  
 Ion Ratio Lower Upper  
 101 100  
 85 5.9 35.3 52.9#  
 151 34.3 62.2 93.2#

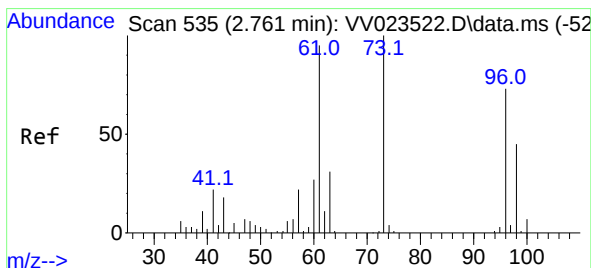
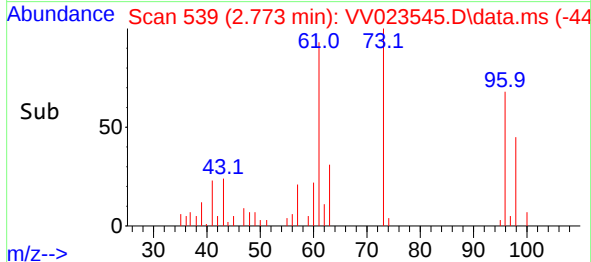
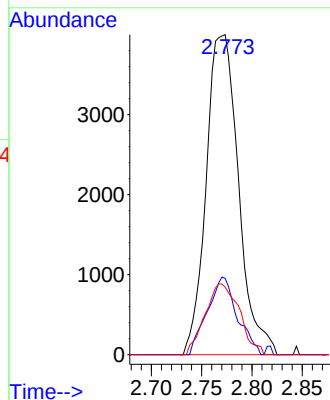
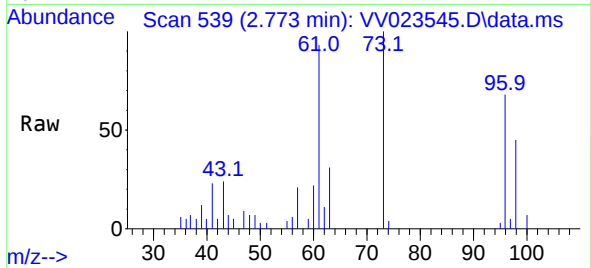




#17  
Methyl tert-butyl Ether  
Concen: 0.598 ug/L  
RT: 2.773 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VV023545.D  
Acq: 16 Nov 2021 19:37

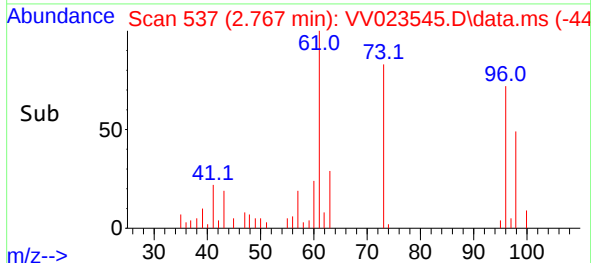
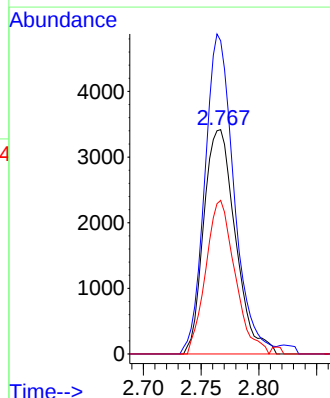
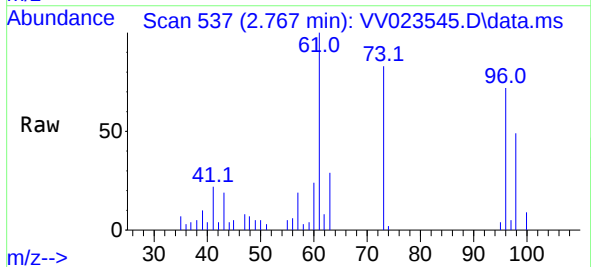
Instrument :  
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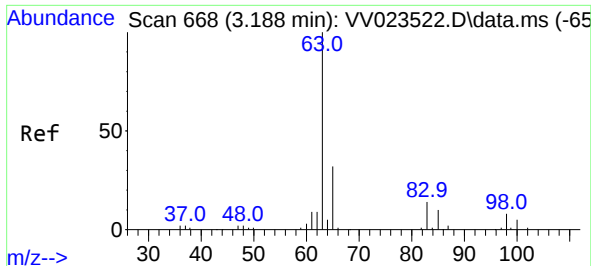
Tgt Ion: 73 Resp: 8949  
Ion Ratio Lower Upper  
73 100  
43 22.6 17.4 26.0  
57 23.5 16.5 24.7



#18  
trans-1,2-Dichloroethene  
Concen: 0.778 ug/L  
RT: 2.767 min Scan# 537  
Delta R.T. 0.006 min  
Lab File: VV023545.D  
Acq: 16 Nov 2021 19:37

Tgt Ion: 96 Resp: 6508  
Ion Ratio Lower Upper  
96 100  
61 139.6 93.2 173.2  
98 68.5 47.0 87.2





#19

1,1-Dichloroethane

Concen: 0.170 ug/L

RT: 3.191 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV023545.D

Acq: 16 Nov 2021 19:37

Instrument :

MSVOA\_V

ClientSampleId :

BG204

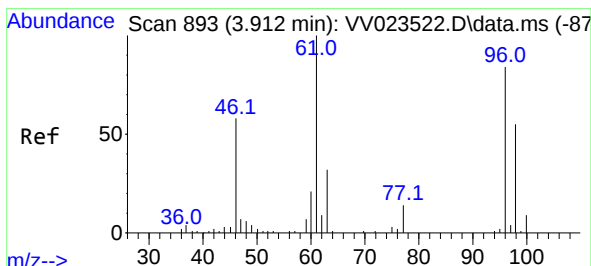
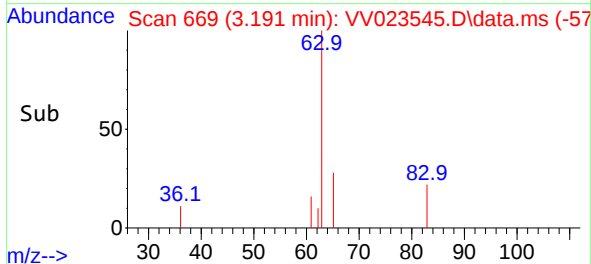
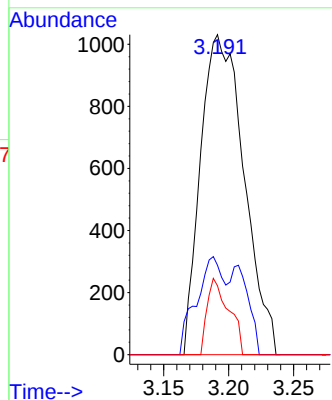
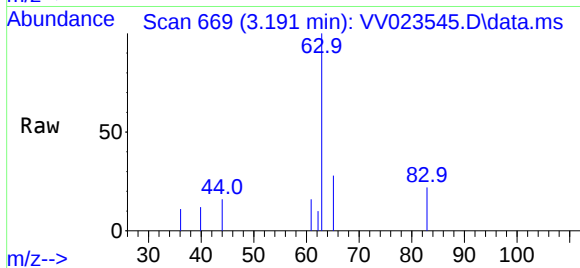
Tgt Ion: 63 Resp: 2394

Ion Ratio Lower Upper

63 100

65 27.9 22.6 42.0

83 21.5 11.1 20.7#



#22

cis-1,2-Dichloroethene

Concen: 1.610 ug/L

RT: 3.915 min Scan# 894

Delta R.T. 0.003 min

Lab File: VV023545.D

Acq: 16 Nov 2021 19:37

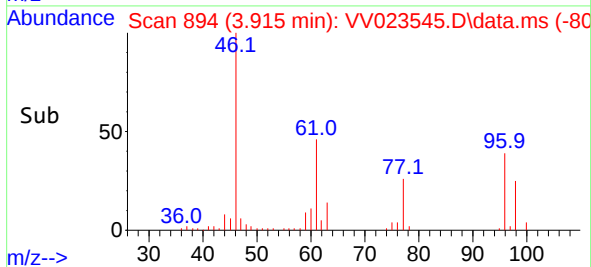
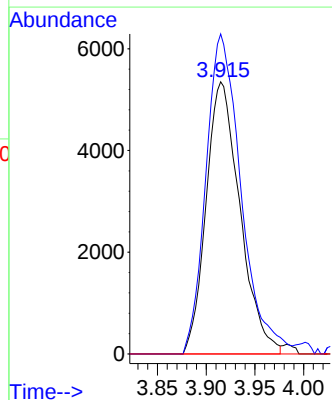
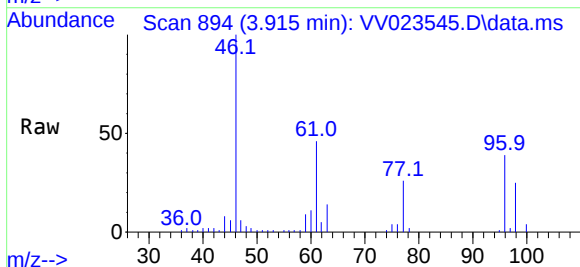
Tgt Ion: 96 Resp: 12952

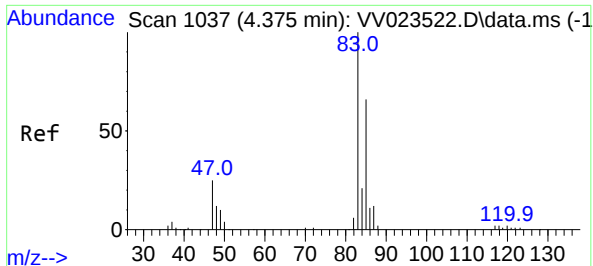
Ion Ratio Lower Upper

96 100

61 117.6 92.3 171.3

68 0.0 0.4 0.8#

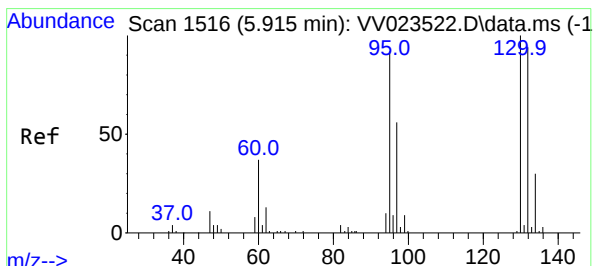
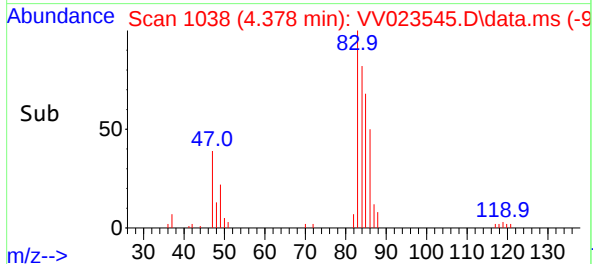
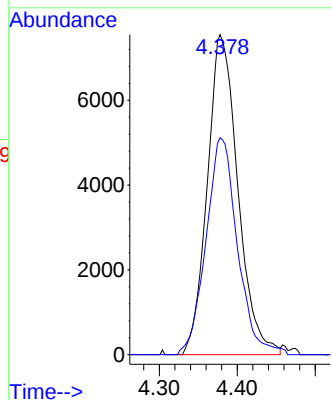
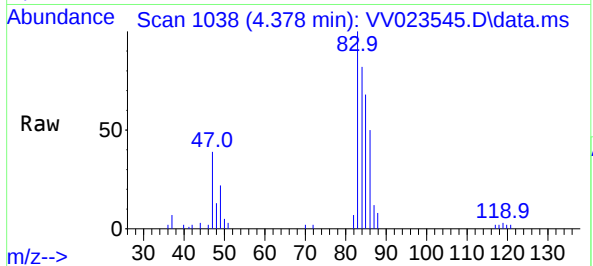




#25  
Chloroform  
Concen: 1.368 ug/L  
RT: 4.378 min Scan# 1037  
Delta R.T. 0.003 min  
Lab File: VV023545.D  
Acq: 16 Nov 2021 19:37

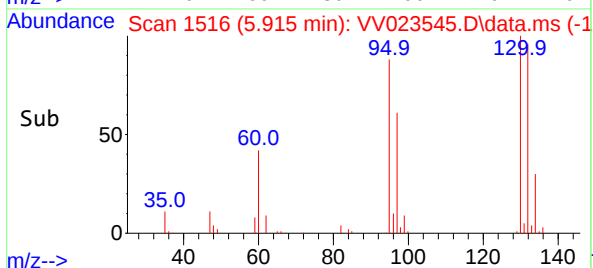
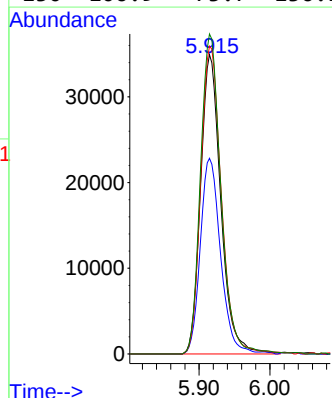
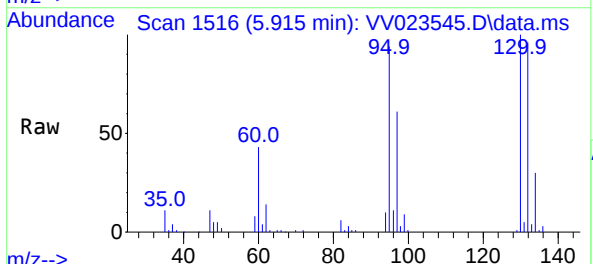
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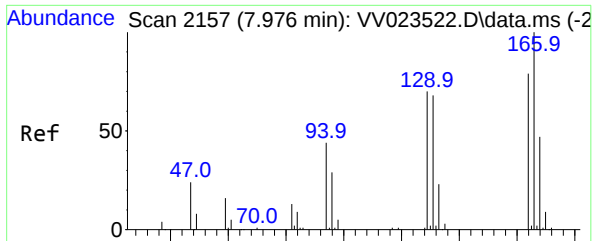
Tgt Ion: 83 Resp: 20589  
Ion Ratio Lower Upper  
83 100  
85 67.8 46.8 86.8



#34  
Trichloroethene  
Concen: 8.281 ug/L  
RT: 5.915 min Scan# 1516  
Delta R.T. -0.000 min  
Lab File: VV023545.D  
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Tgt Ion: 95 Resp: 69183  
Ion Ratio Lower Upper  
95 100  
97 65.4 45.0 83.6  
132 102.8 69.7 129.4  
130 106.9 73.7 136.9





#47  
 Tetrachloroethene  
 Concen: 1.931 ug/L  
 RT: 7.976 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VV023545.D  
 Acq: 16 Nov 2021 19:37

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 MSVOA\_V  
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Tgt Ion:164 Resp: 13984

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 89.4  | 64.0  | 119.0 |
| 131 | 86.1  | 63.4  | 117.8 |
| 166 | 126.0 | 89.3  | 165.9 |

