

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW101521\  
 Data File : VW022844.D  
 Acq On : 15 Oct 2021 18:17  
 Operator : SY/MD  
 Sample : M4223-03  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFG95

Manual Integrations  
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SAM  
 10/18/2021 1:06:05 PM

Quant Time: Oct 16 05:29:51 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR100721WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Oct 16 05:27:41 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 5.619  | 114   | 113720   | 5.000    | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.853  | 117   | 118444   | 5.000    | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 56405    | 5.000    | ug/L  | 0.00     |
|                               |        |       |          |          |       |          |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65    | 35242    | 4.504    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =     | 90.000%  |
| 7) Chloroethane-d5            | 1.568  | 69    | 31752    | 4.516    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =     | 90.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63    | 52989    | 3.453    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =     | 69.000%  |
| 20) 2-Butanone-d5             | 3.895  | 46    | 104943   | 51.154   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =     | 102.300% |
| 24) Chloroform-d              | 4.352  | 84    | 90810    | 5.632    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 112.600% |
| 26) 1,2-Dichloroethane-d4     | 5.034  | 65    | 40077    | 5.121    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 102.400% |
| 32) Benzene-d6                | 5.053  | 84    | 165906   | 4.705    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 94.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.072  | 67    | 52265    | 5.005    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =     | 100.200% |
| 41) Toluene-d8                | 7.317  | 98    | 139735   | 4.584    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 91.600%  |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79    | 15437    | 4.456    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =     | 89.200%  |
| 46) 2-Hexanone-d5             | 8.091  | 63    | 83011    | 59.465   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =     | 118.940% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84    | 38825    | 5.489    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =     | 109.800% |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152   | 55733    | 5.329    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =     | 106.600% |
|                               |        |       |          |          |       |          |
| Target Compounds              |        |       |          |          |       | Qvalue   |
| 5) Vinyl chloride             | 1.310  | 62    | 4683     | 0.544    | ug/L  | 87       |
| 13) Acetone                   | 2.182  | 43    | 5198m    | 4.544    | ug/L  |          |
| 17) Methyl tert-butyl Ether   | 2.770  | 73    | 7521     | 0.452    | ug/L  | 98       |
| 19) 1,1-Dichloroethane        | 3.191  | 63    | 32533    | 2.418    | ug/L  | 98       |
| 22) cis-1,2-Dichloroethene    | 3.912  | 96    | 152709   | 19.468   | ug/L  | 94       |
| 25) Chloroform                | 4.378  | 83    | 68504    | 4.392    | ug/L  | 96       |
| 27) 1,2-Dichloroethane        | 5.140  | 62    | 6200     | 0.796    | ug/L  | 98       |
| 34) Trichloroethene           | 5.918  | 95    | 28204    | 3.251    | ug/L  | 97       |
| 42) Toluene                   | 7.400  | 91    | 6235     | 0.193    | ug/L  | 99       |
| 47) Tetrachloroethene         | 7.976  | 164   | 80068    | 11.413   | ug/L  | 99       |
| -----                         |        |       |          |          |       |          |

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

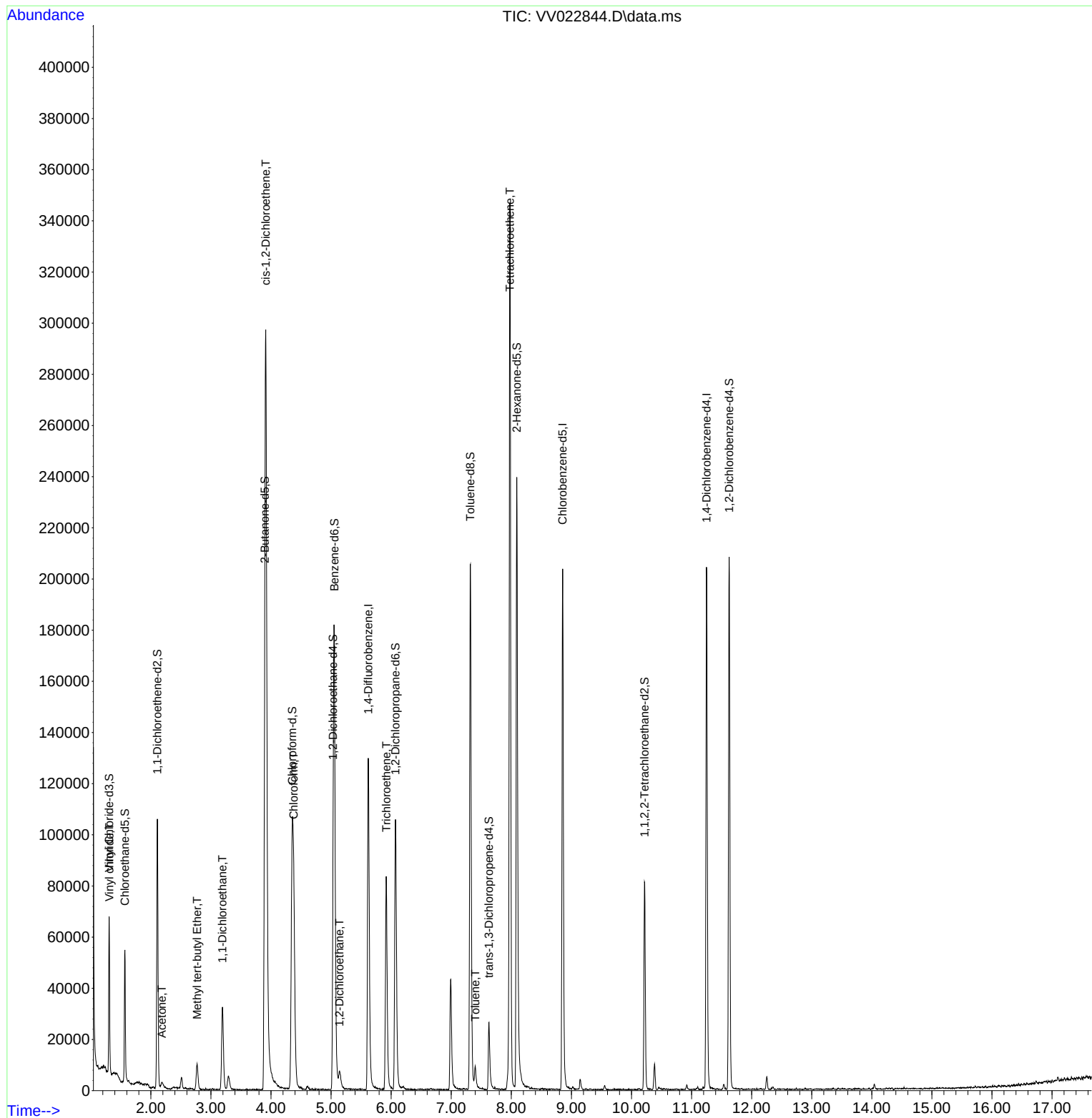
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Data File : VV022844.D  
Acq On : 15 Oct 2021 18:17  
Operator : SY/MD  
Sample : M4223-03  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 18 Sample Multiplier: 1

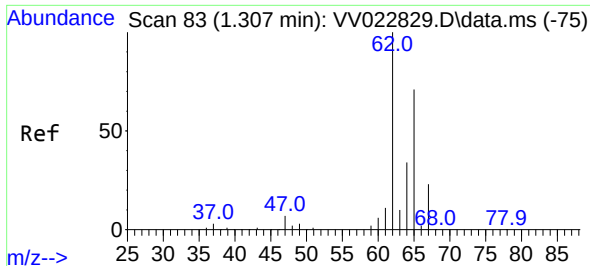
Instrument :  
MSVOA\_V  
ClientSampleId :  
BFG95

Manual Integrations  
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Quant Time: Oct 16 05:29:51 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR100721WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Sat Oct 16 05:27:41 2021  
Response via : Initial Calibration





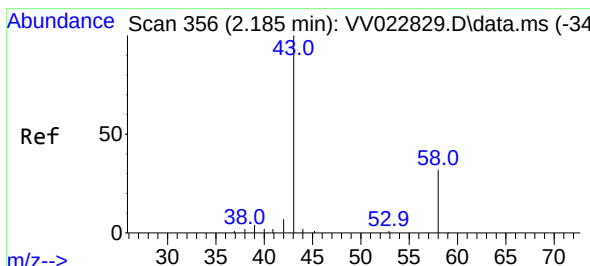
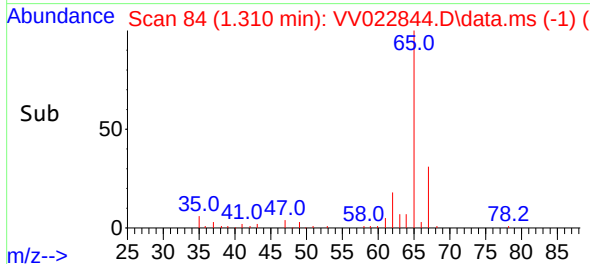
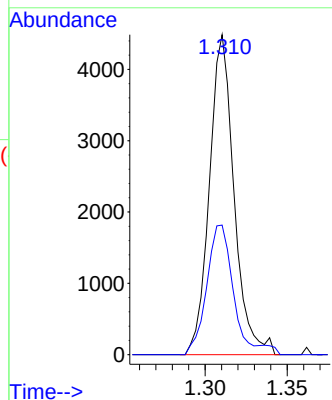
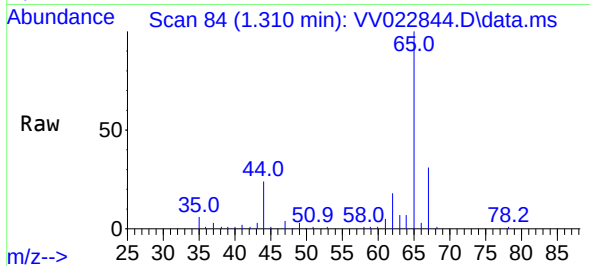
#5  
 Vinyl chloride  
 Concen: 0.544 ug/L  
 RT: 1.310 min Scan# 84  
 Delta R.T. 0.003 min  
 Lab File: VV022844.D  
 Acq: 15 Oct 2021 18:17

Instrument :  
 MSVOA\_V  
 ClientSampled :  
 BFG95

Tgt Ion: 62 Resp: 4683  
 Ion Ratio Lower Upper  
 62 100  
 64 40.5 23.0 42.8

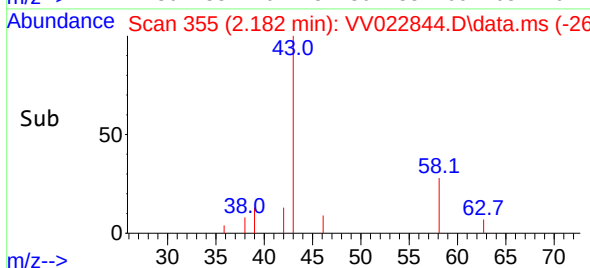
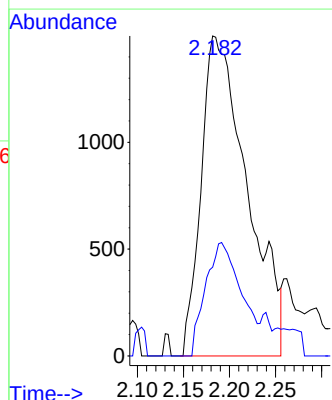
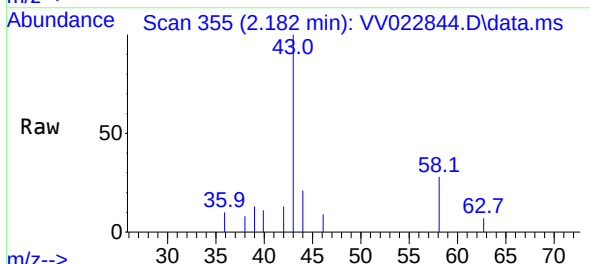
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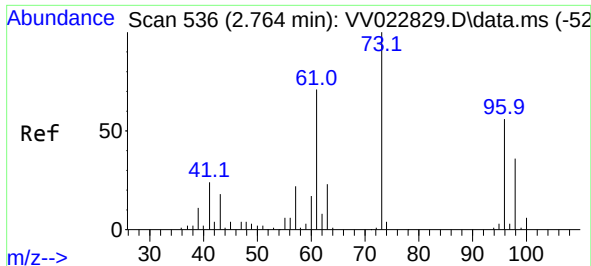
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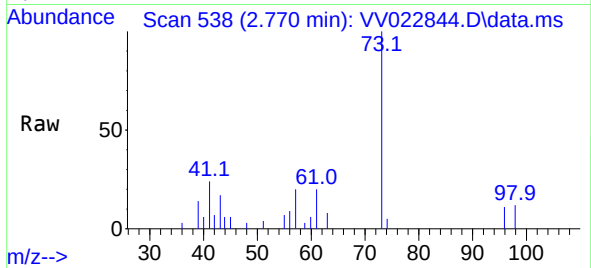
#13  
 Acetone  
 Concen: 4.544 ug/L m  
 RT: 2.182 min Scan# 355  
 Delta R.T. -0.003 min  
 Lab File: VV022844.D  
 Acq: 15 Oct 2021 18:17

Tgt Ion: 43 Resp: 5198  
 Ion Ratio Lower Upper  
 43 100  
 58 1.0 0.0 24.2

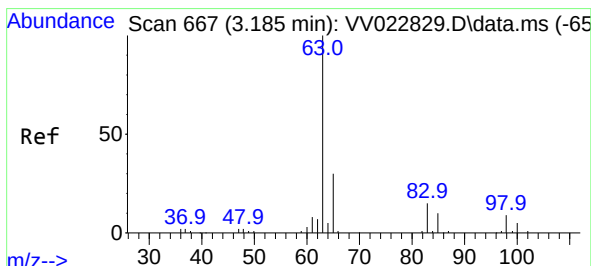
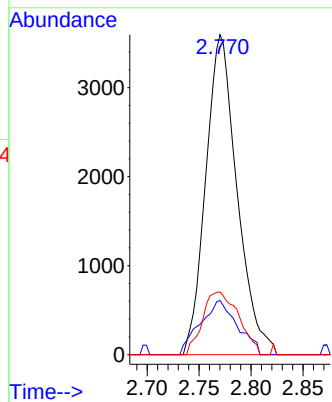
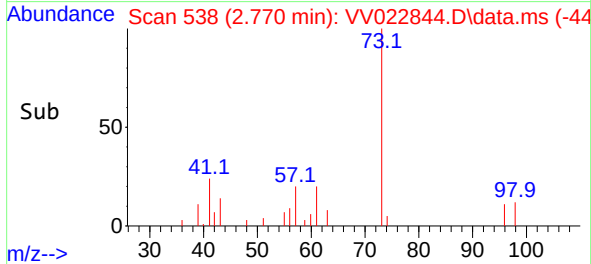




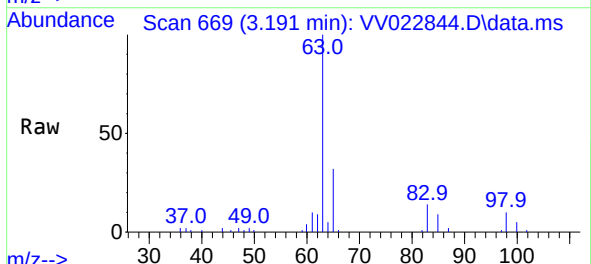
#17  
Methyl tert-butyl Ether  
Concen: 0.452 ug/L  
RT: 2.770 min Scan# 538  
Delta R.T. 0.006 min  
Lab File: VV022844.D  
Acq: 15 Oct 2021 18:17



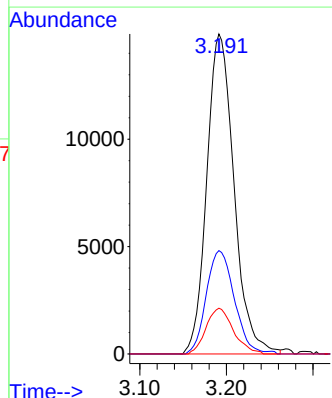
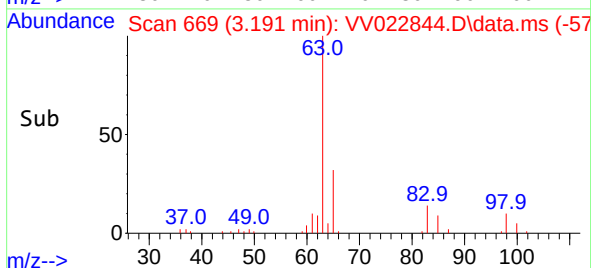
Tgt Ion: 73 Resp: 7521  
Ion Ratio Lower Upper  
73 100  
43 20.1 17.1 25.7  
57 22.6 17.2 25.8



#19  
1,1-Dichloroethane  
Concen: 2.418 ug/L  
RT: 3.191 min Scan# 669  
Delta R.T. 0.006 min  
Lab File: VV022844.D  
Acq: 15 Oct 2021 18:17



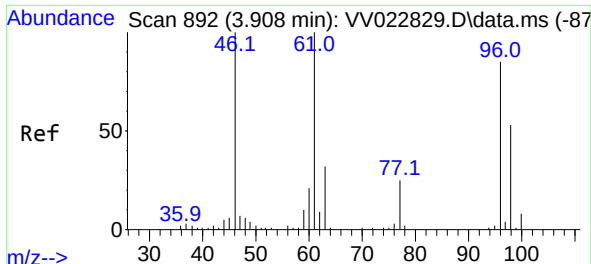
Tgt Ion: 63 Resp: 32533  
Ion Ratio Lower Upper  
63 100  
65 32.3 23.5 43.7  
83 14.3 10.1 18.7



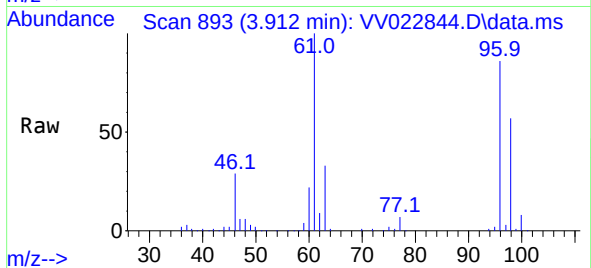
Instrument :  
MSVOA\_V  
ClientSampled :  
BFG95

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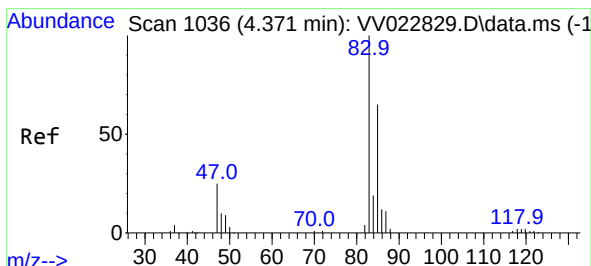
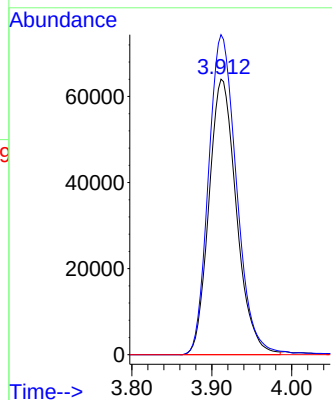
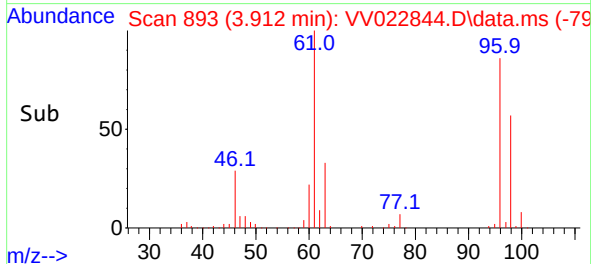
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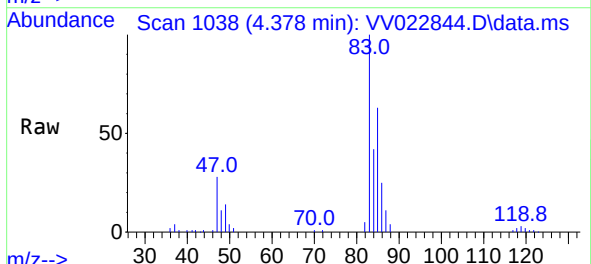
#22  
cis-1,2-Dichloroethene  
Concen: 19.468 ug/L  
RT: 3.912 min Scan# 893  
Delta R.T. 0.003 min  
Lab File: VV022844.D  
Acq: 15 Oct 2021 18:17



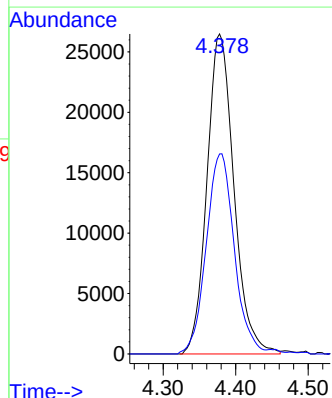
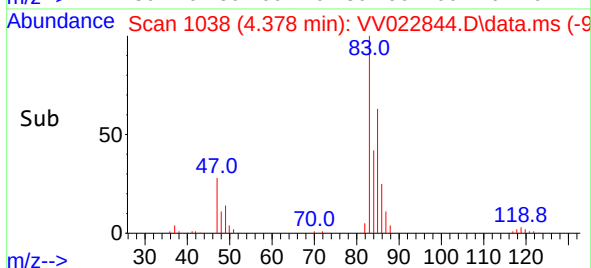
Tgt Ion: 96 Resp: 152709  
Ion Ratio Lower Upper  
96 100  
61 116.1 86.0 159.6  
68 0.0 0.0 0.0



#25  
Chloroform  
Concen: 4.392 ug/L  
RT: 4.378 min Scan# 1038  
Delta R.T. 0.006 min  
Lab File: VV022844.D  
Acq: 15 Oct 2021 18:17



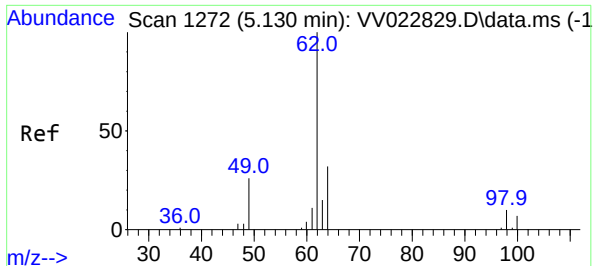
Tgt Ion: 83 Resp: 68504  
Ion Ratio Lower Upper  
83 100  
85 62.5 45.7 84.9



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MSVOA\_V  
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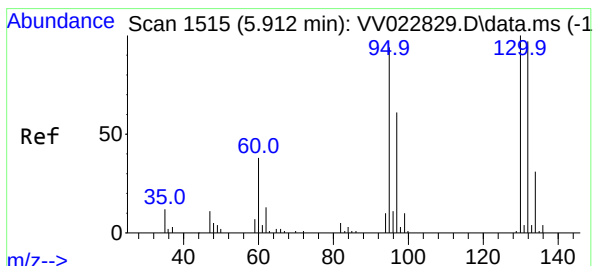
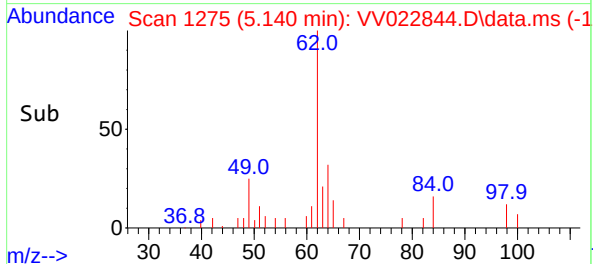
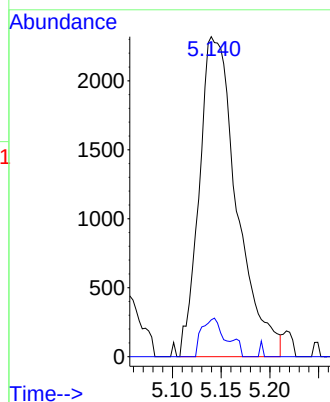
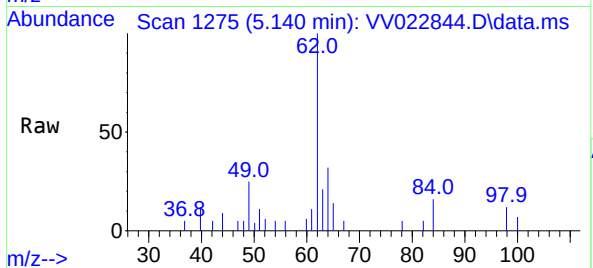
#27  
1,2-Dichloroethane  
Concen: 0.796 ug/L  
RT: 5.140 min Scan# 1275  
Delta R.T. 0.010 min  
Lab File: VV022844.D  
Acq: 15 Oct 2021 18:17

Tgt Ion: 62 Resp: 6200  
Ion Ratio Lower Upper  
62 100  
98 11.5 9.7 14.5

Instrument :  
MSVOA\_V  
ClientSampled :  
BFG95

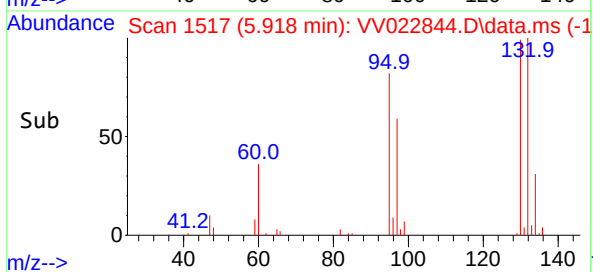
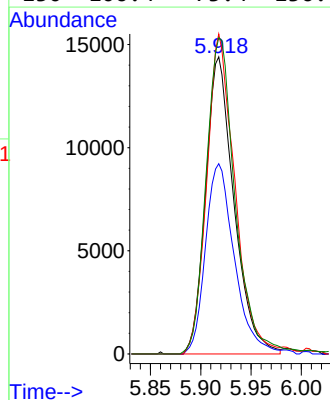
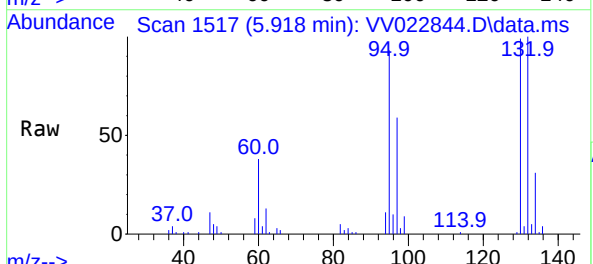
Manual Integrations  
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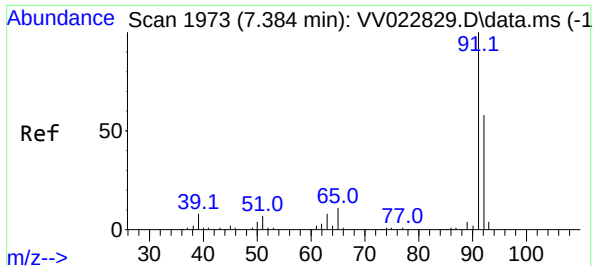
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#34  
Trichloroethene  
Concen: 3.251 ug/L  
RT: 5.918 min Scan# 1517  
Delta R.T. 0.006 min  
Lab File: VV022844.D  
Acq: 15 Oct 2021 18:17

Tgt Ion: 95 Resp: 28204  
Ion Ratio Lower Upper  
95 100  
97 64.0 45.8 85.2  
132 107.7 72.2 134.0  
130 106.4 73.4 136.4





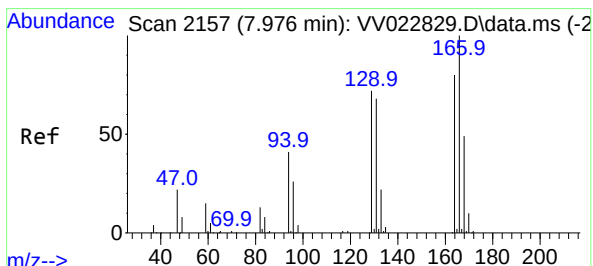
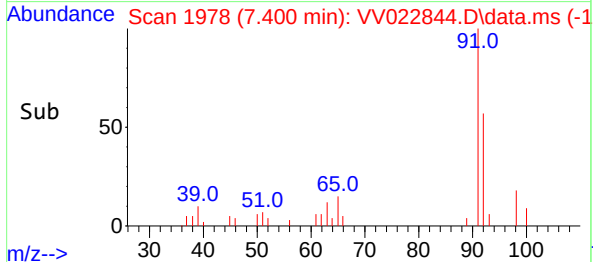
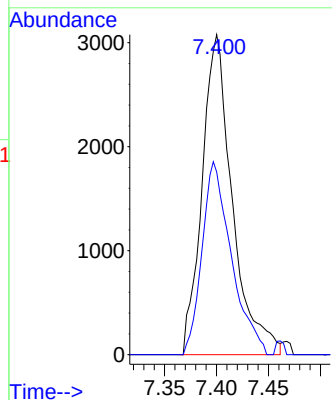
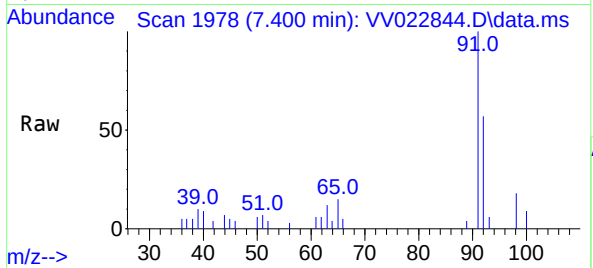
#42  
Toluene  
Concen: 0.193 ug/L  
RT: 7.400 min Scan# 1978  
Delta R.T. 0.016 min  
Lab File: VV022844.D  
Acq: 15 Oct 2021 18:17

Tgt Ion: 91 Resp: 6235  
Ion Ratio Lower Upper  
91 100  
92 57.1 40.7 75.7

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#47  
Tetrachloroethene  
Concen: 11.413 ug/L  
RT: 7.976 min Scan# 2157  
Delta R.T. -0.000 min  
Lab File: VV022844.D  
Acq: 15 Oct 2021 18:17

Tgt Ion: 164 Resp: 80068  
Ion Ratio Lower Upper  
164 100  
129 94.1 65.0 120.6  
131 89.2 62.2 115.4  
166 128.4 89.2 165.8

