

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042921\  
 Data File : VW018849.D  
 Acq On : 29 Apr 2021 16:42  
 Operator : SY/VA  
 Sample : M2177-21  
 Misc : 5.42G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Apr 30 02:11:55 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM042921SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Apr 30 02:09:50 2021  
 Response via : Initial Calibration

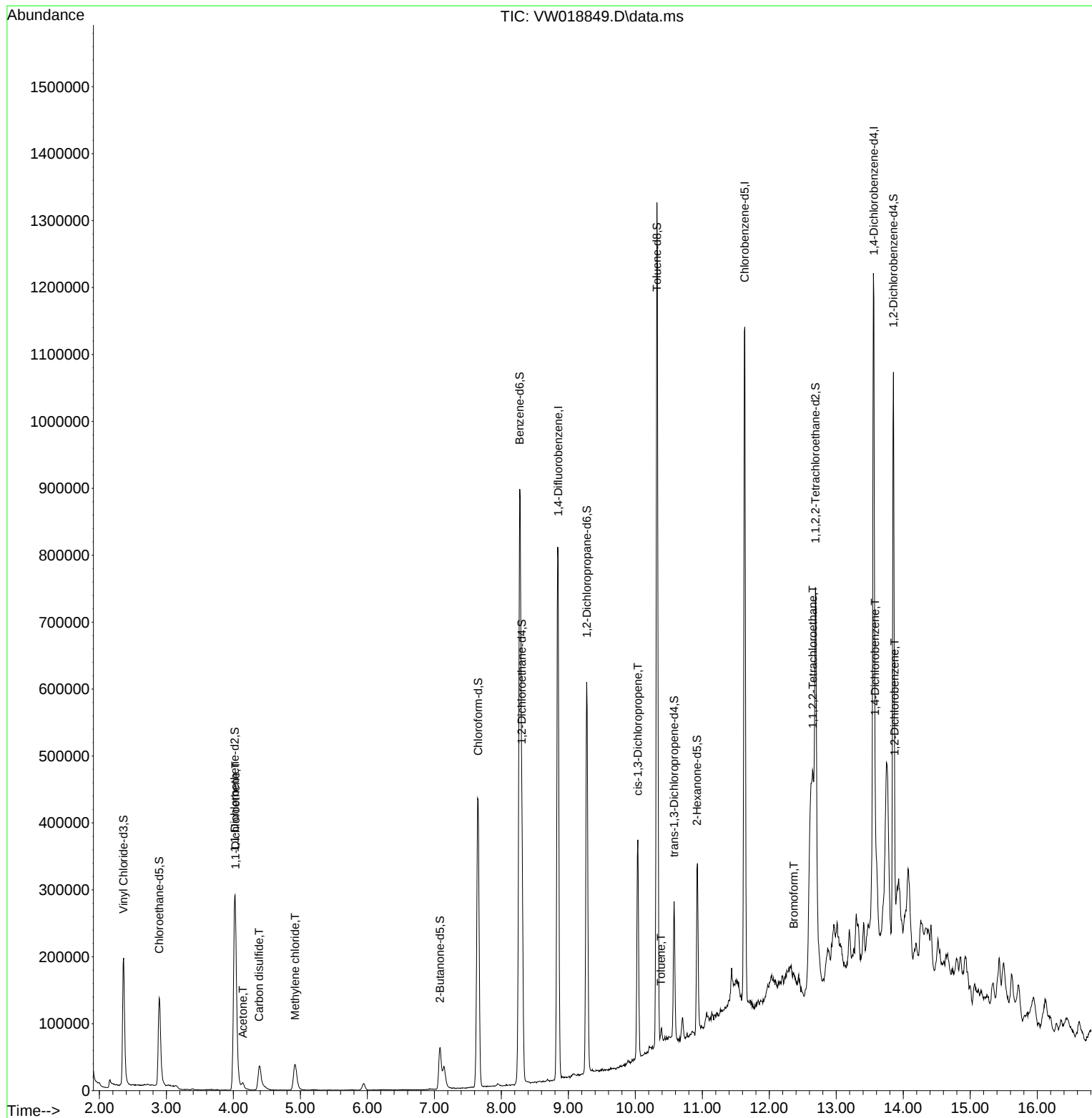
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.848  | 114   | 677393   | 25.00    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.634 | 117   | 554461   | 25.00    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560 | 152   | 237468   | 25.00    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.361  | 65    | 249768   | 28.74    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 114.96%  |
| 7) Chloroethane-d5            | 2.892  | 69    | 187865   | 27.90    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 111.60%  |
| 11) 1,1-Dichloroethene-d2     | 4.019  | 63    | 339552   | 19.68    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 78.72%   |
| 21) 2-Butanone-d5             | 7.086  | 46    | 105460   | 46.59    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 93.18%   |
| 24) Chloroform-d              | 7.653  | 84    | 449965   | 25.31    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 101.24%  |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 256960   | 25.87    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 103.48%  |
| 32) Benzene-d6                | 8.275  | 84    | 908811   | 29.01    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 116.04%  |
| 36) 1,2-Dichloropropane-d6    | 9.275  | 67    | 268404   | 28.88    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 115.52%  |
| 41) Toluene-d8                | 10.323 | 98    | 826236   | 28.28    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 113.12%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 112367   | 26.60    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 106.40%  |
| 47) 2-Hexanone-d5             | 10.921 | 63    | 92228    | 55.42    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 110.84%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.689 | 84    | 191845   | 24.36    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 97.44%   |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 215972   | 26.54    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 106.16%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 12) 1,1-Dichloroethene        | 4.032  | 96    | 2812     | 0.32     | ug/L # | 1        |
| 13) Acetone                   | 4.141  | 43    | 17700    | 10.21    | ug/L   | 93       |
| 14) Carbon disulfide          | 4.385  | 76    | 86188    | 3.32     | ug/L   | 96       |
| 16) Methylene chloride        | 4.922  | 84    | 36028    | 3.22     | ug/L   | 90       |
| 39) cis-1,3-Dichloropropene   | 10.037 | 75    | 8707     | 0.68     | ug/L # | 55       |
| 42) Toluene                   | 10.384 | 91    | 14471    | 0.40     | ug/L   | 94       |
| 57) 1,1,2,2-Tetrachloroethane | 12.652 | 83    | 116105   | 15.11    | ug/L # | 36       |
| 59) Bromoform                 | 12.365 | 173   | 1428     | 0.43     | ug/L # | 74       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146   | 24833    | 1.72     | ug/L # | 74       |
| 67) 1,2-Dichlorobenzene       | 13.871 | 146   | 7016     | 0.54     | ug/L # | 57       |
| -----                         |        |       |          |          |        |          |

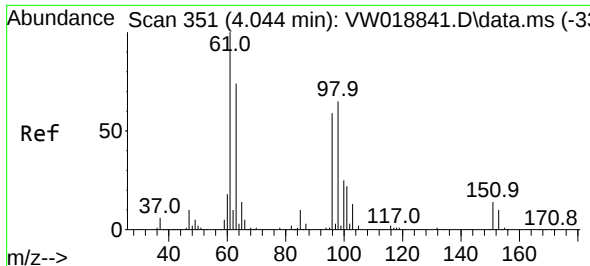
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : M2177-21  
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ALS Vial : 1 Sample Multiplier: 1

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MSVOA\_W  
ClientSampleId :

Quant Time: Apr 30 02:11:55 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM042921SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri Apr 30 02:09:50 2021  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.32 ug/L

RT: 4.032 min Scan# 349

Delta R.T. -0.012 min

Lab File: VW018849.D

Acq: 29 Apr 2021 16:42

Tgt Ion: 96 Resp: 2812

Ion Ratio Lower Upper

96 100

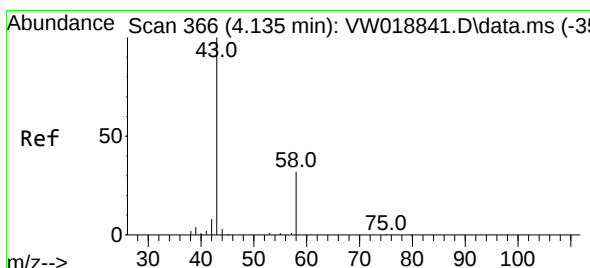
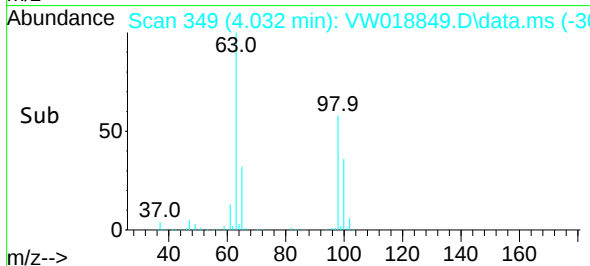
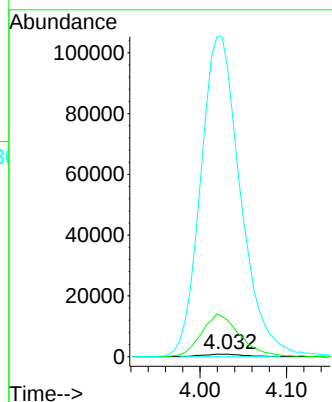
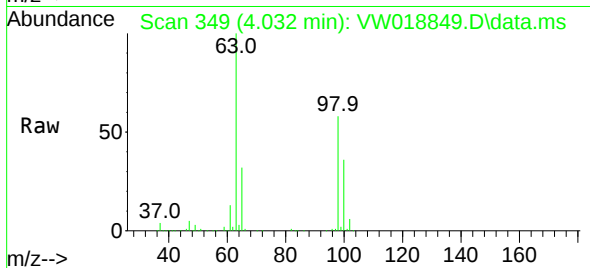
61 1395.0 118.1 219.3#

63 11044.4 83.7 155.5#

Instrument :

MSVOA\_W

ClientSampled :



#13

Acetone

Concen: 10.21 ug/L

RT: 4.141 min Scan# 367

Delta R.T. 0.006 min

Lab File: VW018849.D

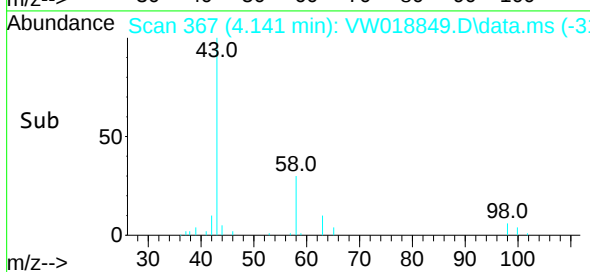
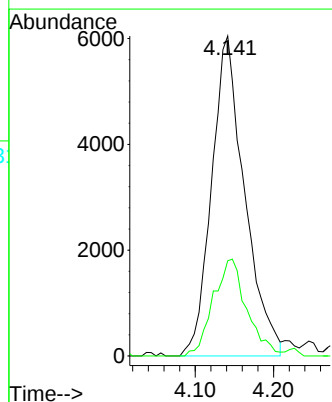
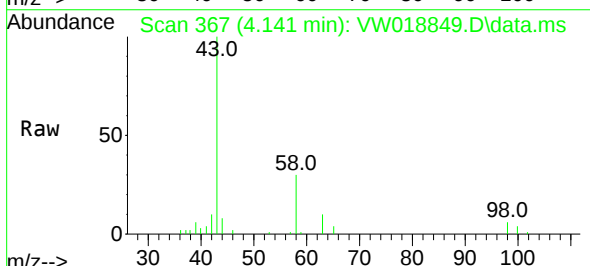
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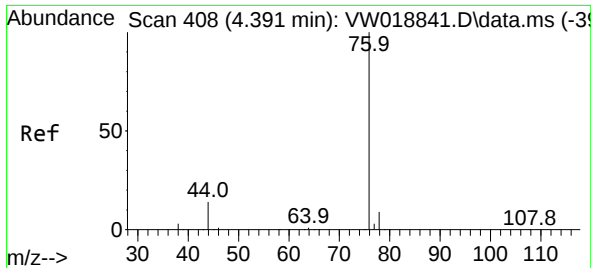
Tgt Ion: 43 Resp: 17700

Ion Ratio Lower Upper

43 100

58 30.7 0.0 53.8

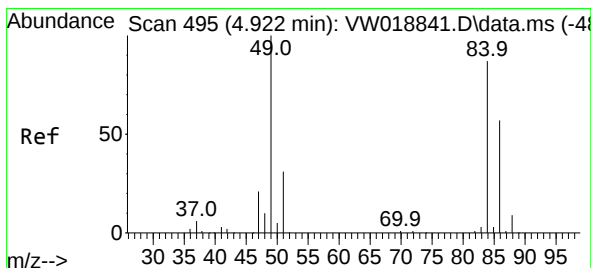
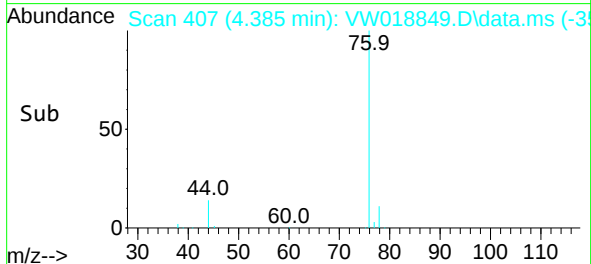
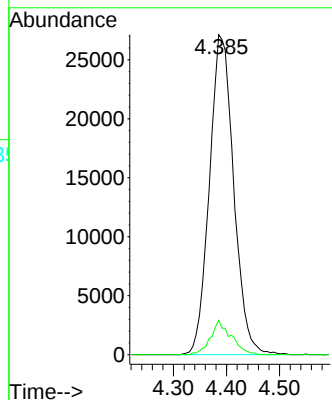
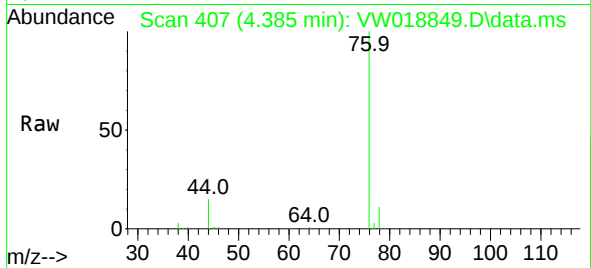




#14  
Carbon disulfide  
Concen: 3.32 ug/L  
RT: 4.385 min Scan# 407  
Delta R.T. -0.006 min  
Lab File: VW018849.D  
Acq: 29 Apr 2021 16:42

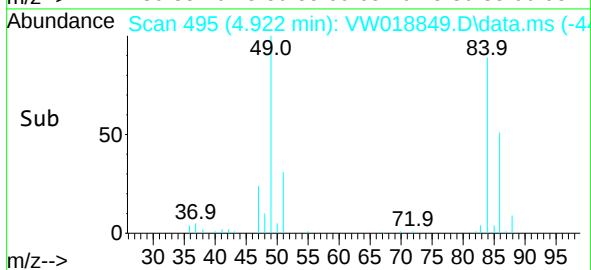
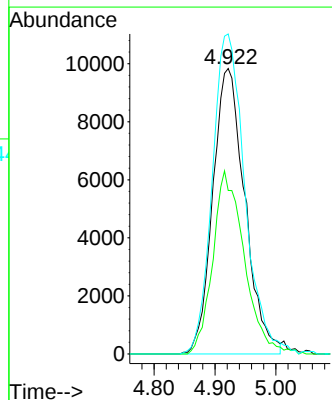
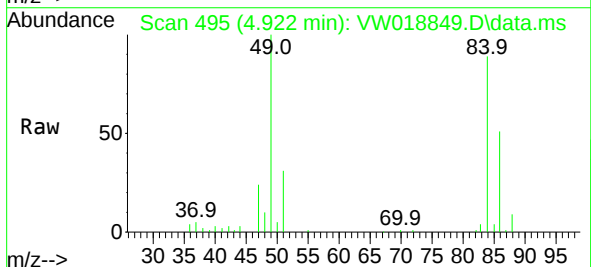
Instrument :  
MSVOA\_W  
ClientSampled :

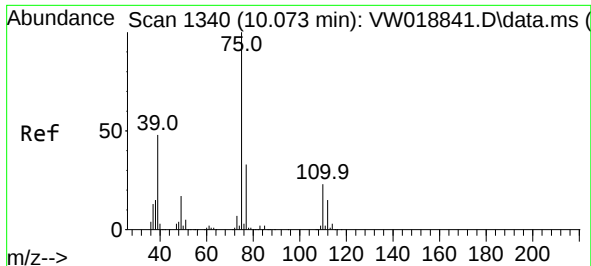
Tgt Ion: 76 Resp: 86188  
Ion Ratio Lower Upper  
76 100  
78 10.8 7.4 11.0



#16  
Methylene chloride  
Concen: 3.22 ug/L  
RT: 4.922 min Scan# 495  
Delta R.T. 0.000 min  
Lab File: VW018849.D  
Acq: 29 Apr 2021 16:42

Tgt Ion: 84 Resp: 36028  
Ion Ratio Lower Upper  
84 100  
86 57.3 45.3 84.1  
49 112.1 86.6 160.8

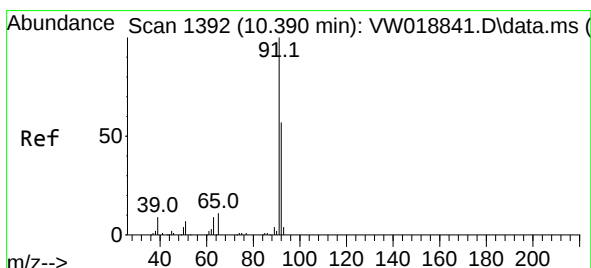
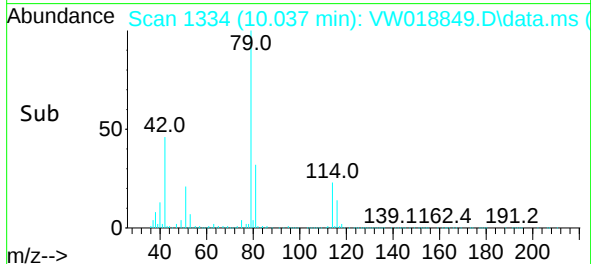
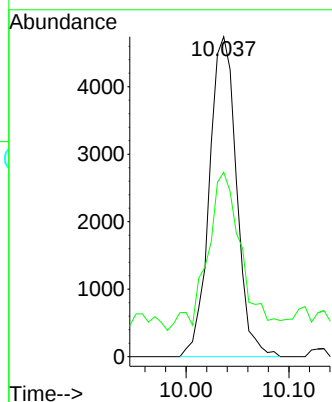
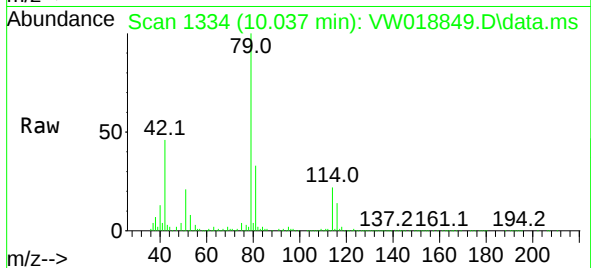




#39  
cis-1,3-Dichloropropene  
Concen: 0.68 ug/L  
RT: 10.037 min Scan# 1334  
Delta R.T. -0.037 min  
Lab File: VW018849.D  
Acq: 29 Apr 2021 16:42

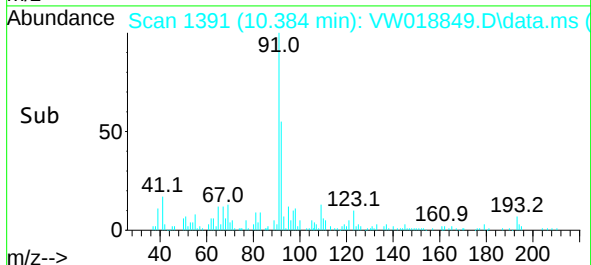
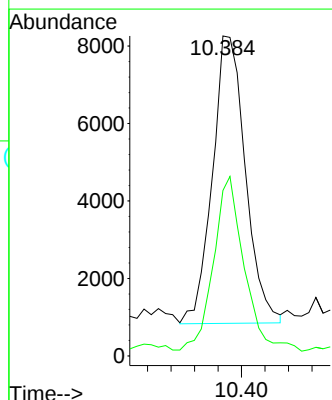
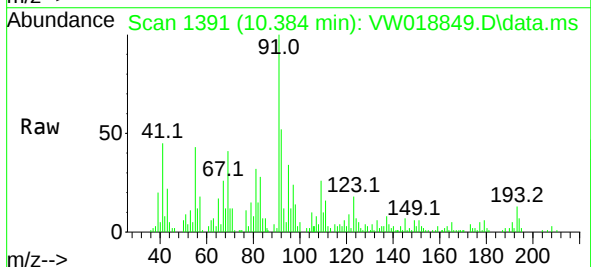
Instrument :  
MSVOA\_W  
ClientSampled :

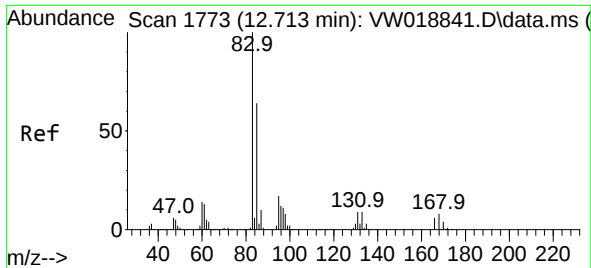
Tgt Ion: 75 Resp: 8707  
Ion Ratio Lower Upper  
75 100  
77 57.6 22.6 42.0#



#42  
Toluene  
Concen: 0.40 ug/L  
RT: 10.384 min Scan# 1391  
Delta R.T. -0.006 min  
Lab File: VW018849.D  
Acq: 29 Apr 2021 16:42

Tgt Ion: 91 Resp: 14471  
Ion Ratio Lower Upper  
91 100  
92 51.7 39.5 73.3

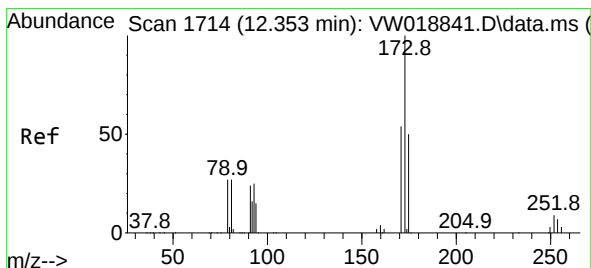
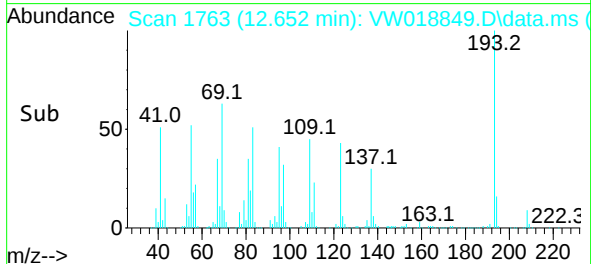
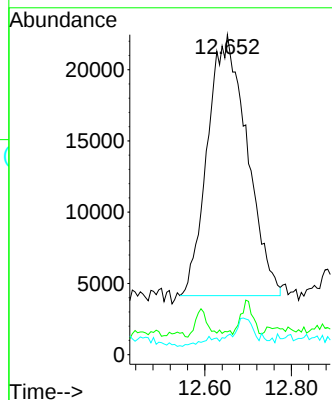
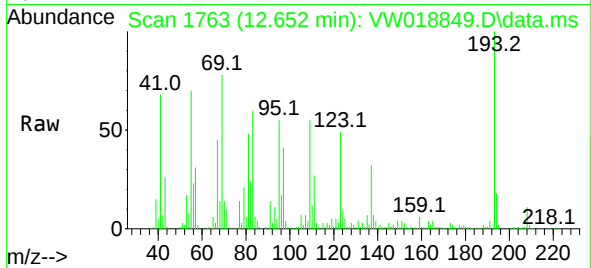




#57  
1,1,2,2-Tetrachloroethane  
Concen: 15.11 ug/L  
RT: 12.652 min Scan# 1763  
Delta R.T. -0.061 min  
Lab File: VW018849.D  
Acq: 29 Apr 2021 16:42

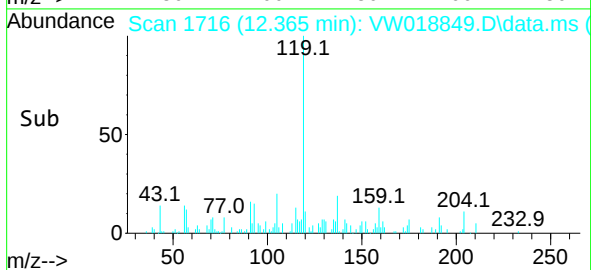
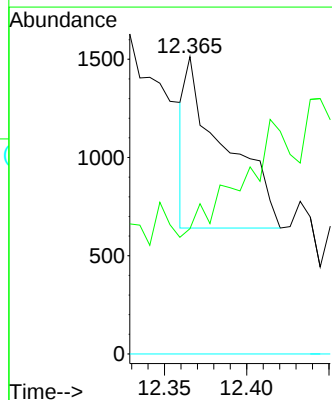
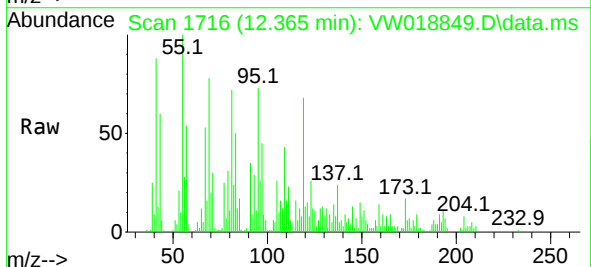
Instrument :  
MSVOA\_W  
ClientSampled :

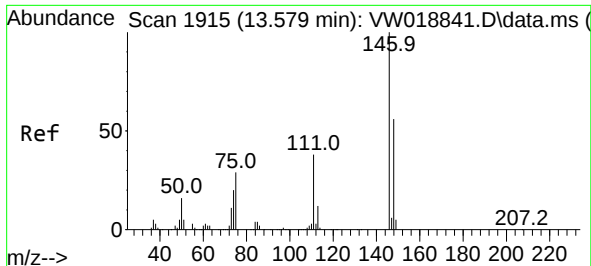
Tgt Ion: 83 Resp: 116105  
Ion Ratio Lower Upper  
83 100  
85 7.1 44.4 82.4#  
131 5.9 8.2 12.4#



#59  
Bromoform  
Concen: 0.43 ug/L  
RT: 12.365 min Scan# 1716  
Delta R.T. 0.012 min  
Lab File: VW018849.D  
Acq: 29 Apr 2021 16:42

Tgt Ion: 173 Resp: 1428  
Ion Ratio Lower Upper  
173 100  
175 29.6 37.5 56.3#  
254 0.0 7.0 10.4#

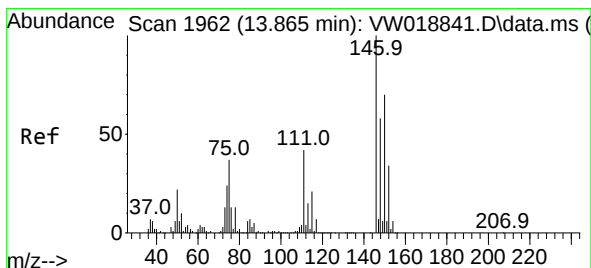
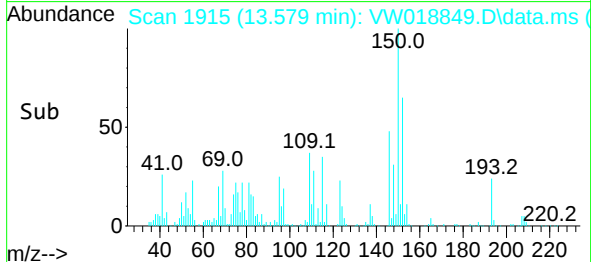
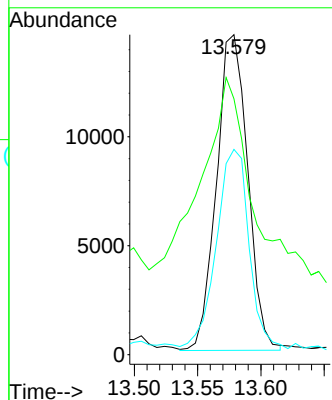
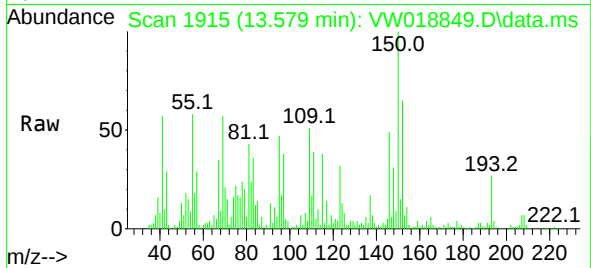




#65  
1,4-Dichlorobenzene  
Concen: 1.72 ug/L  
RT: 13.579 min Scan# 1915  
Delta R.T. 0.000 min  
Lab File: VW018849.D  
Acq: 29 Apr 2021 16:42

Instrument :  
MSVOA\_W  
ClientSampled :

Tgt Ion:146 Resp: 24833  
Ion Ratio Lower Upper  
146 100  
111 80.0 28.8 53.4#  
148 64.1 46.8 87.0



#67  
1,2-Dichlorobenzene  
Concen: 0.54 ug/L  
RT: 13.871 min Scan# 1963  
Delta R.T. 0.006 min  
Lab File: VW018849.D  
Acq: 29 Apr 2021 16:42

Tgt Ion:146 Resp: 7016  
Ion Ratio Lower Upper  
146 100  
111 102.3 33.2 49.8#  
148 57.6 50.4 75.6

