

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW100621\  
 Data File : VW020342.D  
 Acq On : 07 Oct 2021 03:27  
 Operator : SY/VA  
 Sample : M4000-16  
 Misc : 8.19g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EW909

Manual Integrations  
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 10/11/2021 2:06:43 PM

Quant Time: Oct 07 05:30:12 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM100621SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Oct 07 05:04:04 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response            | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|----------|--------|----------|
| -----                         |                |      |                     |          |        |          |
| Internal Standards            |                |      |                     |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.848          | 114  | 291537              | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.634         | 117  | 222048              | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560         | 152  | 62208               | 25.000   | ug/L   | 0.00     |
|                               |                |      |                     |          |        |          |
| System Monitoring Compounds   |                |      |                     |          |        |          |
| 4) Vinyl Chloride-d3          | 2.355          | 65   | 102660              | 25.550   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = 102.200% |          |        |          |
| 7) Chloroethane-d5            | 2.885          | 69   | 44849               | 25.760   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = 103.040% |          |        |          |
| 11) 1,1-Dichloroethene-d2     | 4.019          | 63   | 143602              | 17.355   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = 69.440%  |          |        |          |
| 21) 2-Butanone-d5             | 7.086          | 46   | 49597               | 48.591   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = 97.180%  |          |        |          |
| 24) Chloroform-d              | 7.653          | 84   | 188965              | 22.573   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = 90.280%  |          |        |          |
| 26) 1,2-Dichloroethane-d4     | 8.311          | 65   | 105598              | 23.050   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = 92.200%  |          |        |          |
| 32) Benzene-d6                | 8.281          | 84   | 383167              | 28.500   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = 114.000% |          |        |          |
| 36) 1,2-Dichloropropane-d6    | 9.281          | 67   | 114520              | 26.855   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = 107.440% |          |        |          |
| 41) Toluene-d8                | 10.323         | 98   | 300148              | 24.649   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = 98.600%  |          |        |          |
| 43) trans-1,3-Dichloroprop... | 10.579         | 79   | 42307               | 24.383   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = 97.520%  |          |        |          |
| 47) 2-Hexanone-d5             | 10.927         | 63   | 30022               | 50.937   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = 101.880% |          |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.695         | 84   | 65726               | 22.083   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = 88.320%  |          |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.853         | 152  | 54253               | 24.906   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = 99.640%  |          |        |          |
|                               |                |      |                     |          |        |          |
| Target Compounds              |                |      |                     |          |        | Qvalue   |
| 5) Vinyl chloride             | 2.361          | 62   | 122944              | 23.144   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 4.044          | 96   | 11816               | 2.913    | ug/L # | 1        |
| 13) Acetone                   | 4.129          | 43   | 4603                | 4.387    | ug/L   | 90       |
| 16) Methylene chloride        | 4.922          | 84   | 14974               | 2.876    | ug/L   | 93       |
| 17) trans-1,2-Dichloroethene  | 5.428          | 96   | 32380               | 7.625    | ug/L   | 96       |
| 20) cis-1,2-Dichloroethene    | 7.171          | 96   | 4696651             | 1081.453 | ug/L   | 99       |
| 29) Cyclohexane               | 7.964          | 56   | 12843               | 1.945    | ug/L   | 99       |
| 34) Trichloroethene           | 9.098          | 95   | 22355221m           | 5884.970 | ug/L   |          |
| 35) Methylcyclohexane         | 9.342          | 83   | 6368                | 0.961    | ug/L # | 71       |
| 42) Toluene                   | 10.390         | 91   | 9012                | 0.580    | ug/L   | 99       |
| 46) Tetrachloroethene         | 10.866         | 164  | 18409               | 6.584    | ug/L   | 93       |
| -----                         |                |      |                     |          |        |          |

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

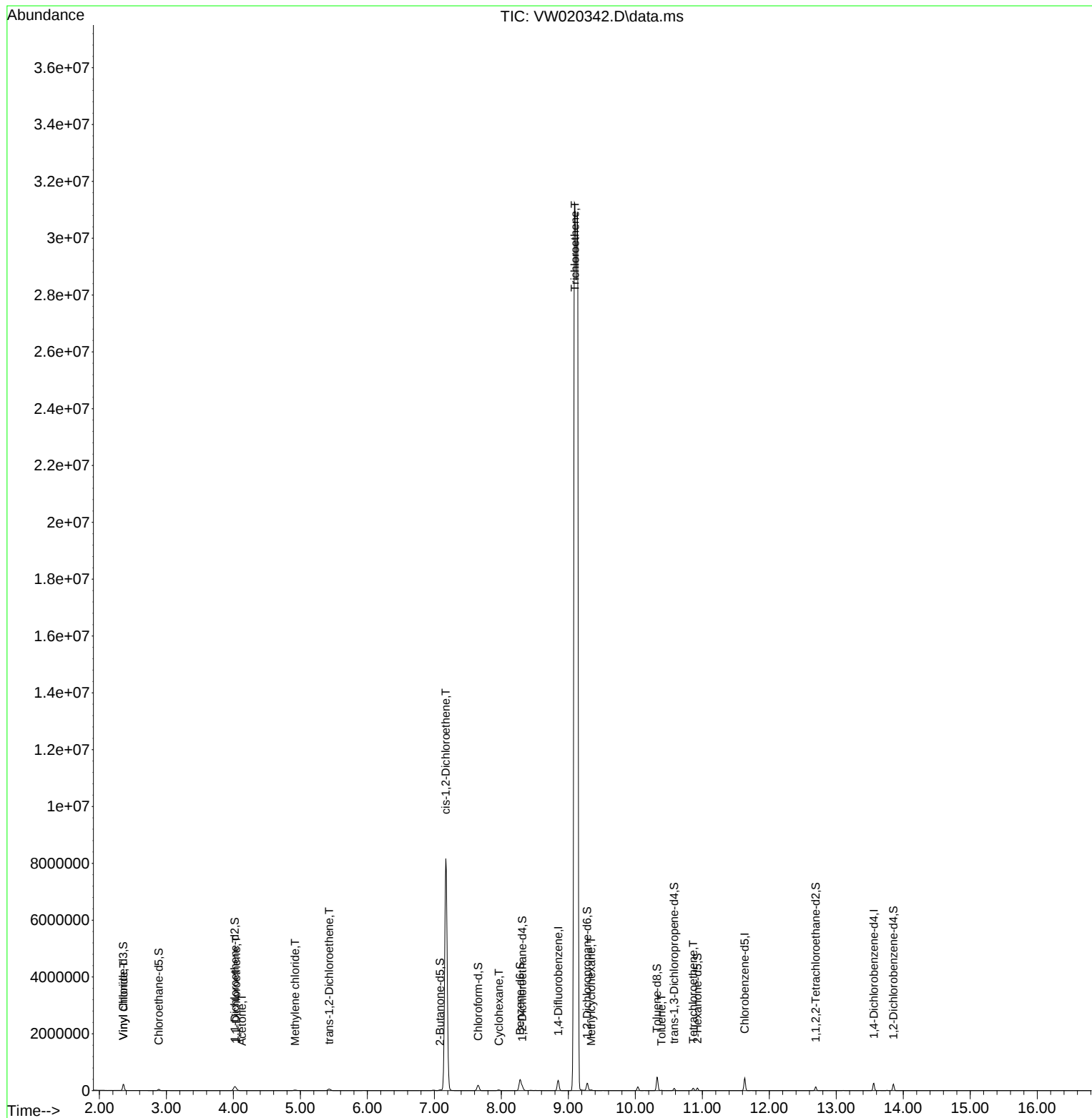
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW100621\  
Data File : VW020342.D  
Acq On : 07 Oct 2021 03:27  
Operator : SY/VA  
Sample : M4000-16  
Misc : 8.19g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

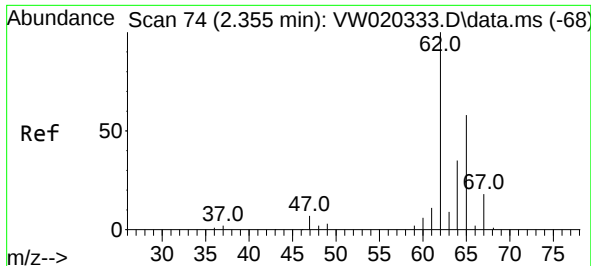
Instrument :  
MSVOA\_W  
ClientSampleId :  
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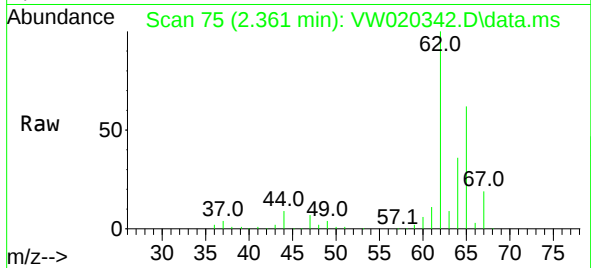
Quant Time: Oct 07 05:30:12 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM100621SMA.M  
Quant Title : SFAM01.0  
QLast Update : Thu Oct 07 05:04:04 2021  
Response via : Initial Calibration





#5  
 Vinyl chloride  
 Concen: 23.144 ug/L  
 RT: 2.361 min Scan# 75  
 Delta R.T. 0.006 min  
 Lab File: VW020342.D  
 Acq: 07 Oct 2021 03:27

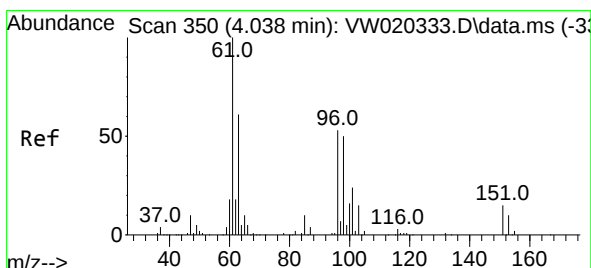
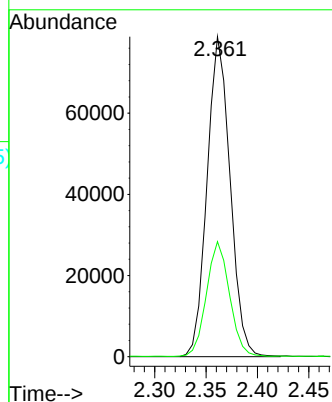
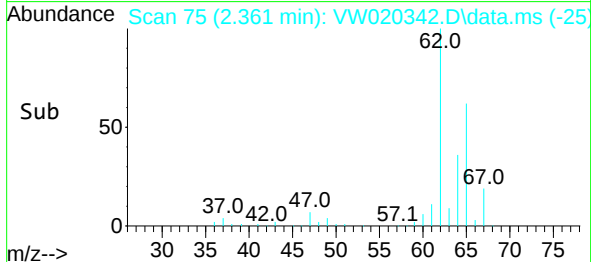
Instrument :  
 MSVOA\_W  
 ClientSampled :  
 EW909



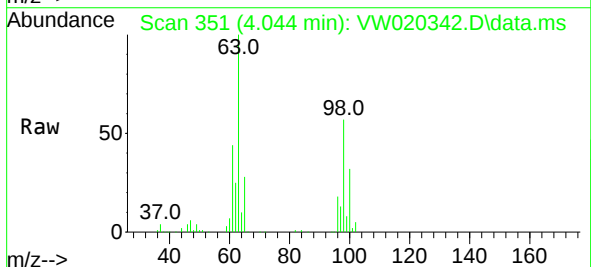
Tgt Ion: 62 Resp: 122944  
 Ion Ratio Lower Upper  
 62 100  
 64 35.9 24.6 45.6

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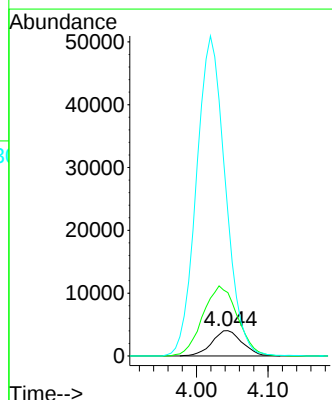
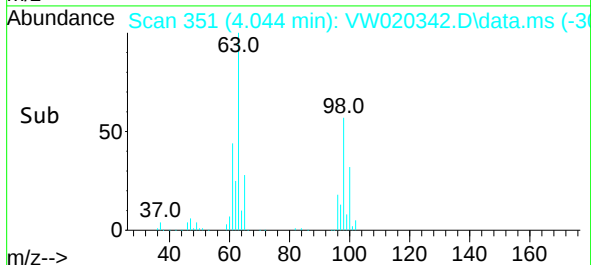
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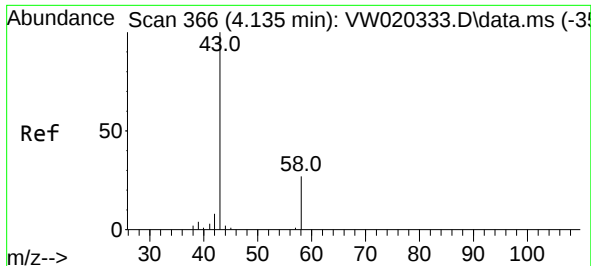


#12  
 1,1-Dichloroethene  
 Concen: 2.913 ug/L  
 RT: 4.044 min Scan# 351  
 Delta R.T. 0.006 min  
 Lab File: VW020342.D  
 Acq: 07 Oct 2021 03:27

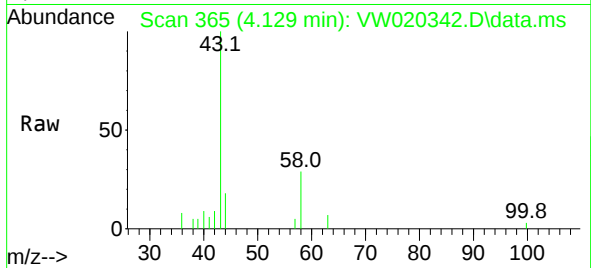


Tgt Ion: 96 Resp: 11816  
 Ion Ratio Lower Upper  
 96 100  
 61 250.7 133.9 248.7#  
 63 566.8 77.3 143.7#

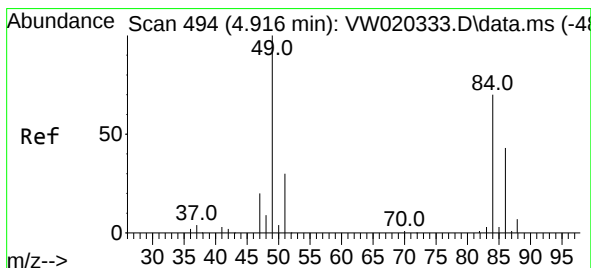
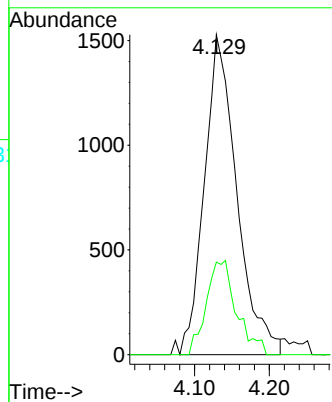
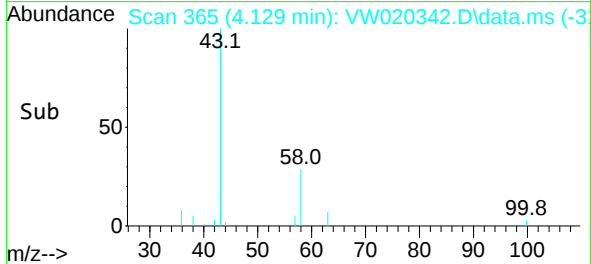




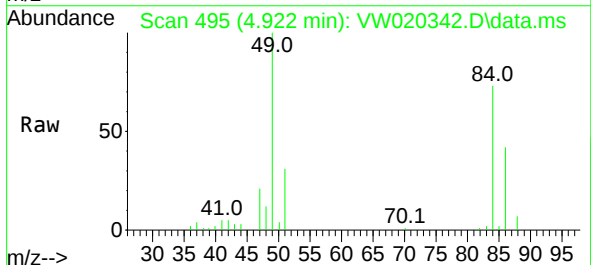
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Acetone  
Concen: 4.387 ug/L  
RT: 4.129 min Scan# 365  
Delta R.T. -0.006 min  
Lab File: VW020342.D  
Acq: 07 Oct 2021 03:27



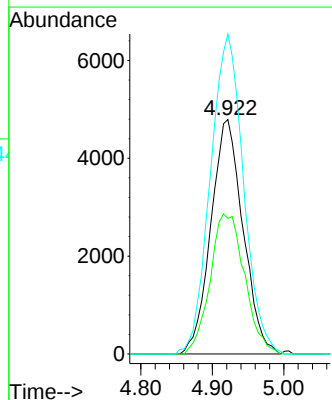
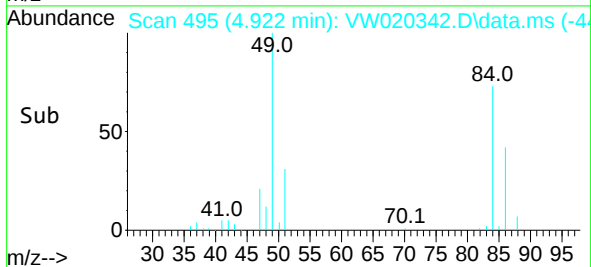
Tgt Ion: 43 Resp: 4603  
Ion Ratio Lower Upper  
43 100  
58 23.8 0.0 58.4



#16  
Methylene chloride  
Concen: 2.876 ug/L  
RT: 4.922 min Scan# 495  
Delta R.T. 0.006 min  
Lab File: VW020342.D  
Acq: 07 Oct 2021 03:27



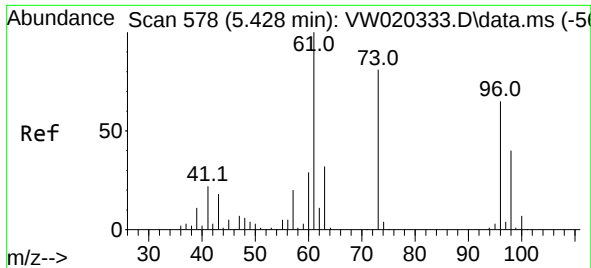
Tgt Ion: 84 Resp: 14974  
Ion Ratio Lower Upper  
84 100  
86 57.8 44.7 83.1  
49 136.5 101.7 188.9



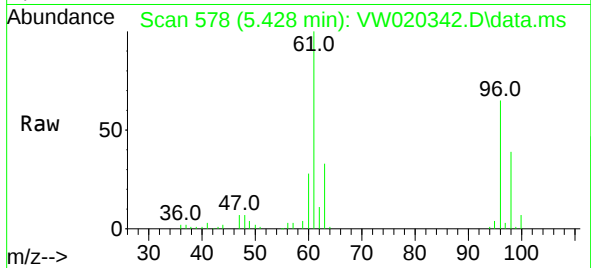
Instrument :  
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ClientSampled :  
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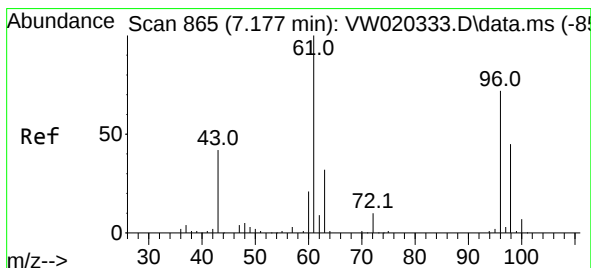
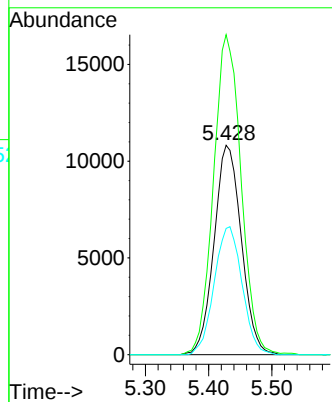
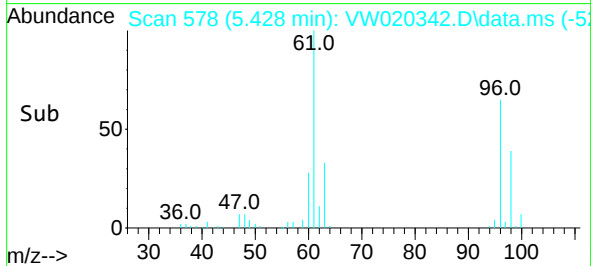
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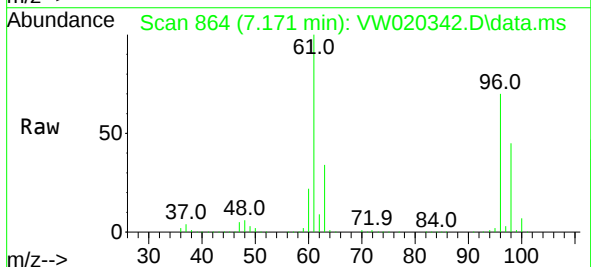
#17  
trans-1,2-Dichloroethene  
Concen: 7.625 ug/L  
RT: 5.428 min Scan# 578  
Delta R.T. 0.000 min  
Lab File: VW020342.D  
Acq: 07 Oct 2021 03:27



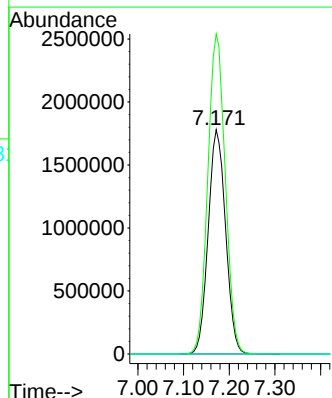
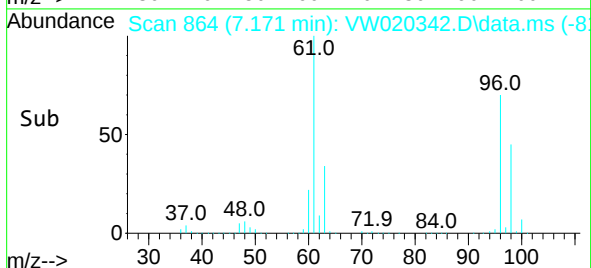
Tgt Ion: 96 Resp: 32380  
Ion Ratio Lower Upper  
96 100  
61 152.8 110.7 205.5  
98 60.2 43.9 81.5



#20  
cis-1,2-Dichloroethene  
Concen: 1081.453 ug/L  
RT: 7.171 min Scan# 864  
Delta R.T. -0.006 min  
Lab File: VW020342.D  
Acq: 07 Oct 2021 03:27



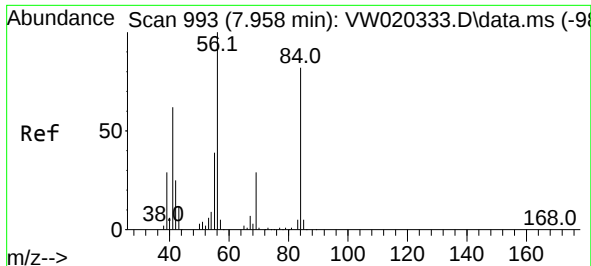
Tgt Ion: 96 Resp: 4696651  
Ion Ratio Lower Upper  
96 100  
61 142.7 100.3 186.3  
68 0.0 0.0 0.0



Instrument :  
MSVOA\_W  
ClientSampleId :  
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#29

Cyclohexane

Concen: 1.945 ug/L

RT: 7.964 min Scan# 994

Delta R.T. 0.006 min

Lab File: VW020342.D

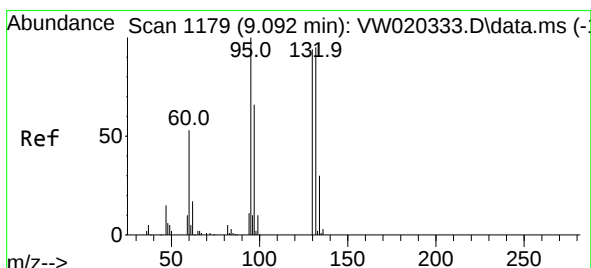
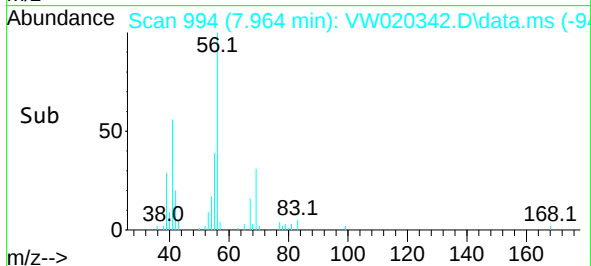
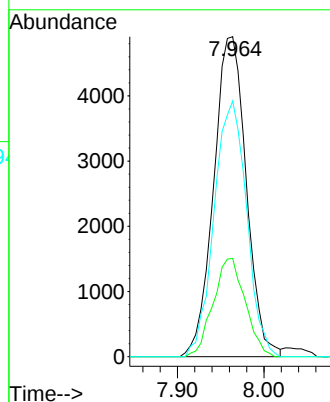
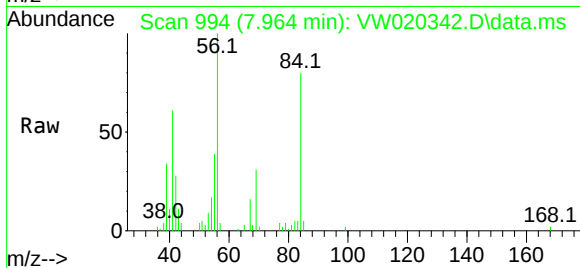
Acq: 07 Oct 2021 03:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 12843 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 30.2  | 23.2  | 34.8  |
| 84       | 79.7  | 63.7  | 95.5  |

Instrument :  
MSVOA\_W  
ClientSampled :  
EW909

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#34

Trichloroethene

Concen: 5884.970 ug/L m

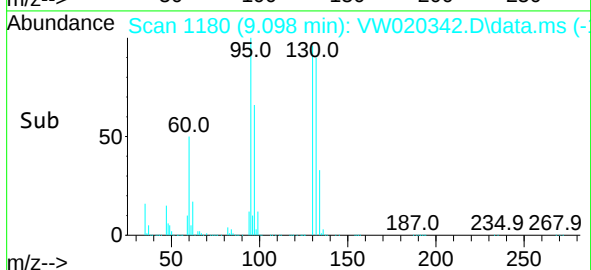
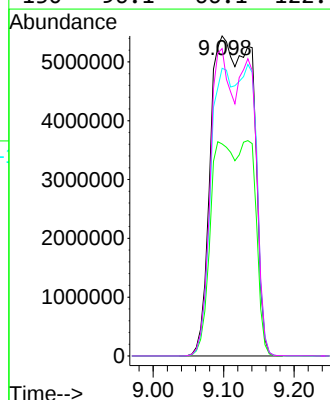
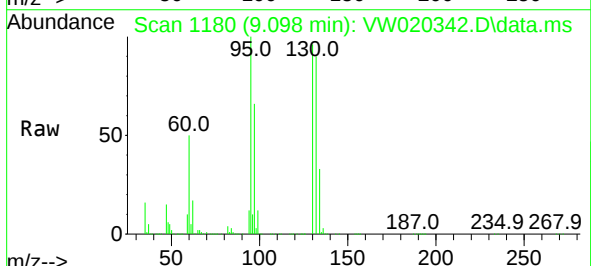
RT: 9.098 min Scan# 1180

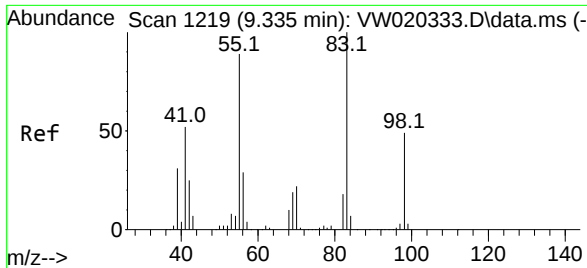
Delta R.T. 0.006 min

Lab File: VW020342.D

Acq: 07 Oct 2021 03:27

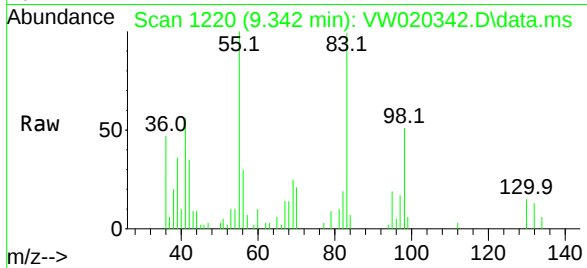
|          |       |       |          |
|----------|-------|-------|----------|
| Tgt Ion: | 95    | Resp: | 22355221 |
| Ion      | Ratio | Lower | Upper    |
| 95       | 100   |       |          |
| 97       | 66.2  | 43.2  | 80.2     |
| 132      | 89.9  | 62.3  | 115.7    |
| 130      | 96.1  | 66.1  | 122.7    |





#35  
Methylcyclohexane  
Concen: 0.961 ug/L  
RT: 9.342 min Scan# 1220  
Delta R.T. 0.006 min  
Lab File: VW020342.D  
Acq: 07 Oct 2021 03:27

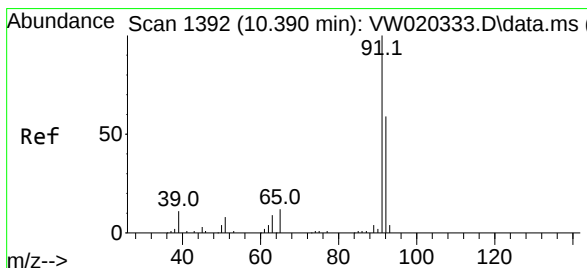
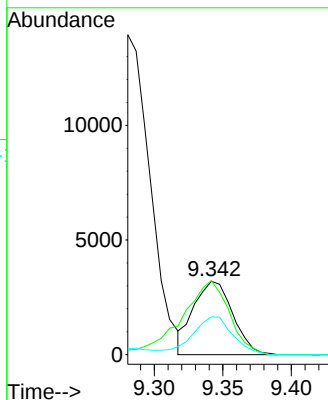
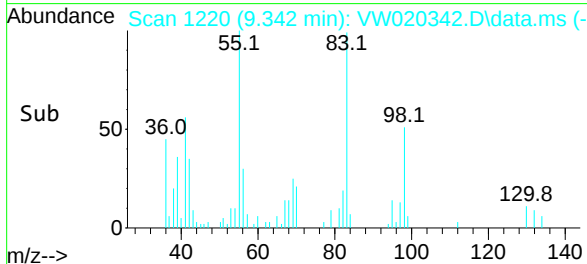
Instrument :  
MSVOA\_W  
ClientSampled :  
EW909



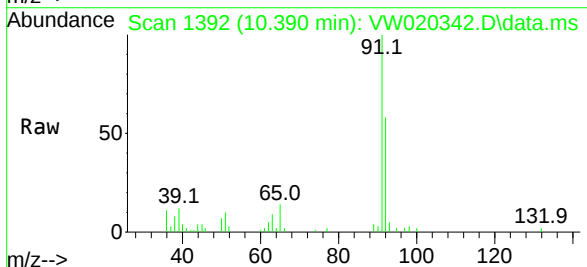
Tgt Ion: 83 Resp: 6368  
Ion Ratio Lower Upper  
83 100  
55 125.0 69.7 104.5#  
98 53.1 38.2 57.2

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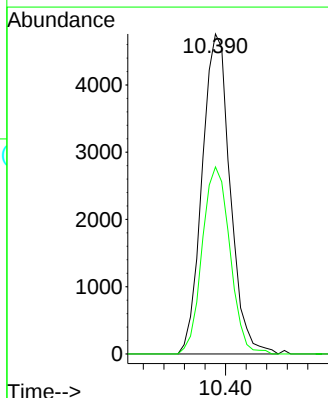
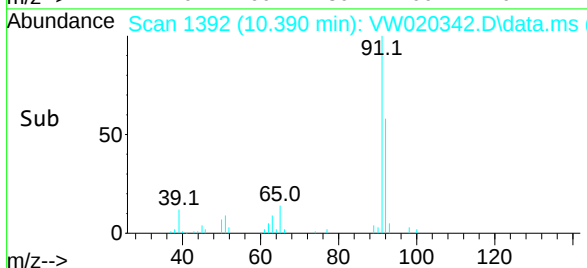
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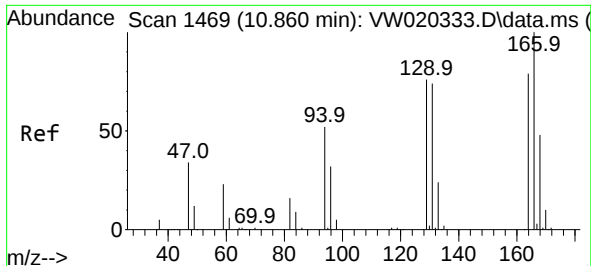


#42  
Toluene  
Concen: 0.580 ug/L  
RT: 10.390 min Scan# 1392  
Delta R.T. 0.000 min  
Lab File: VW020342.D  
Acq: 07 Oct 2021 03:27



Tgt Ion: 91 Resp: 9012  
Ion Ratio Lower Upper  
91 100  
92 58.4 41.5 77.1





#46  
Tetrachloroethene  
Concen: 6.584 ug/L  
RT: 10.866 min Scan# 1470  
Delta R.T. 0.006 min  
Lab File: VW020342.D  
Acq: 07 Oct 2021 03:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 18409 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 96.6  | 69.1  | 128.3 |
| 131      | 105.3 | 58.3  | 108.3 |
| 166      | 128.8 | 90.4  | 168.0 |

Instrument :  
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ClientSampled :  
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