

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120321\  
 Data File : VW021096.D  
 Acq On : 04 Dec 2021 04:52  
 Operator : SY/VA  
 Sample : M4883-08  
 Misc : 3.51g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EW9G4

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/05/2021  
 Supervised By : Amit Patel 12/06/2021

Quant Time: Dec 04 05:45:47 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120321SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Dec 04 04:50:24 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response             | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|----------------------|--------|--------|----------|
| -----                         |                |      |                      |        |        |          |
| Internal Standards            |                |      |                      |        |        |          |
| 1) 1,4-Difluorobenzene        | 8.842          | 114  | 33634                | 25.000 | ug/L   | # 0.00   |
| 28) Chlorobenzene-d5          | 11.634         | 117  | 31389                | 25.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554         | 152  | 14898                | 25.000 | ug/L   | 0.00     |
|                               |                |      |                      |        |        |          |
| System Monitoring Compounds   |                |      |                      |        |        |          |
| 4) Vinyl Chloride-d3          | 2.355          | 65   | 15713                | 33.531 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = 134.120%  |        |        |          |
| 7) Chloroethane-d5            | 2.885          | 69   | 12818                | 40.861 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = 163.440%# |        |        |          |
| 11) 1,1-Dichloroethene-d2     | 4.019          | 63   | 19428                | 25.952 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = 103.800%  |        |        |          |
| 21) 2-Butanone-d5             | 7.086          | 46   | 6214                 | 58.136 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = 116.280%  |        |        |          |
| 24) Chloroform-d              | 7.653          | 84   | 30943                | 36.736 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = 146.960%  |        |        |          |
| 26) 1,2-Dichloroethane-d4     | 8.305          | 65   | 16438                | 35.672 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = 142.680%# |        |        |          |
| 32) Benzene-d6                | 8.275          | 84   | 53854                | 33.555 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = 134.240%  |        |        |          |
| 36) 1,2-Dichloropropane-d6    | 9.275          | 67   | 17426                | 39.071 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = 156.280%# |        |        |          |
| 41) Toluene-d8                | 10.329         | 98   | 50241                | 30.529 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = 122.120%  |        |        |          |
| 43) trans-1,3-Dichloroprop... | 10.579         | 79   | 5073                 | 25.049 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = 100.200%  |        |        |          |
| 47) 2-Hexanone-d5             | 10.927         | 63   | 4497                 | 52.699 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = 105.400%  |        |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.689         | 84   | 11176                | 27.085 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = 108.360%  |        |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.853         | 152  | 14721                | 27.578 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = 110.320%  |        |        |          |
|                               |                |      |                      |        |        |          |
| Target Compounds              |                |      |                      |        | Qvalue |          |
| 13) Acetone                   | 4.141          | 43   | 942m                 | 9.675  | ug/L   |          |
| 34) Trichloroethene           | 9.092          | 95   | 39408                | 80.025 | ug/L   | 89       |
| 35) Methylcyclohexane         | 9.335          | 83   | 472                  | 0.569  | ug/L   | 90       |
| 42) Toluene                   | 10.390         | 91   | 5773                 | 2.832  | ug/L   | 96       |
| 46) Tetrachloroethene         | 10.866         | 164  | 1571                 | 3.484  | ug/L   | 89       |
| 53) m,p-Xylene                | 11.829         | 106  | 3563                 | 3.753  | ug/L   | 81       |
| 54) o-Xylene                  | 12.170         | 106  | 2394                 | 2.674  | ug/L   | 82       |
| 62) 1,3,5-Trimethylbenzene    | 12.945         | 105  | 12043                | 6.946  | ug/L   | 96       |
| 63) 1,2,4-Trimethylbenzene    | 13.249         | 105  | 22782                | 13.064 | ug/L   | 95       |
| -----                         |                |      |                      |        |        |          |

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

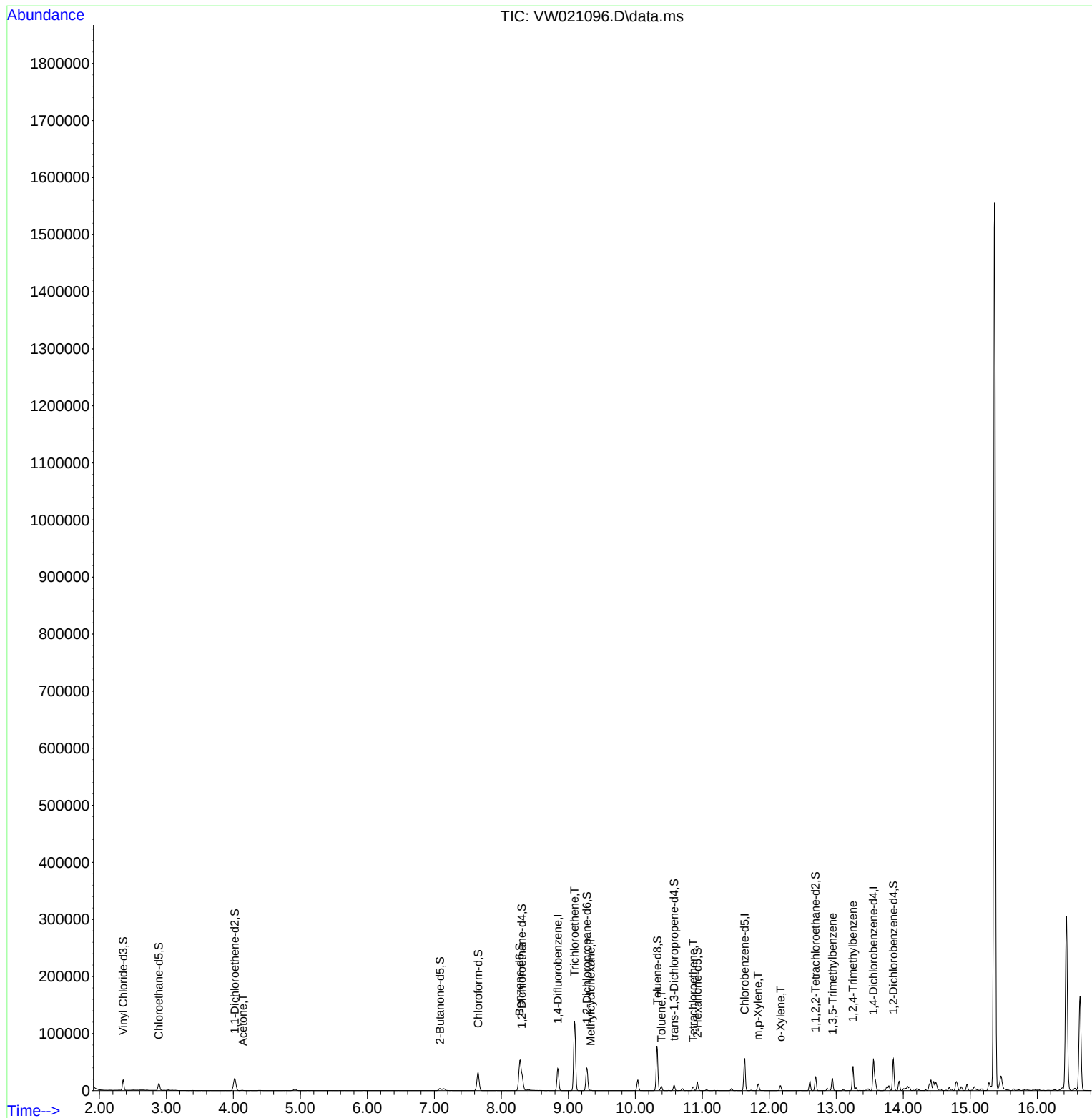
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120321\  
Data File : VW021096.D  
Acq On : 04 Dec 2021 04:52  
Operator : SY/VA  
Sample : M4883-08  
Misc : 3.51g/10.0mL/MSVOA\_W/SOIL  
ALS Vial : 46 Sample Multiplier: 1

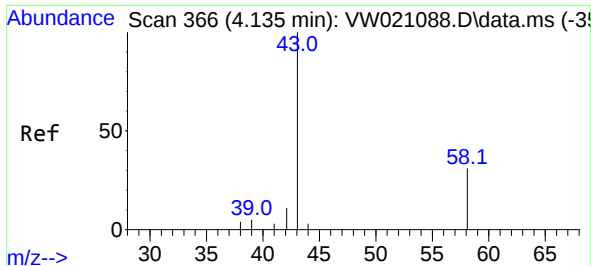
Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9G4

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Supervised By :Amit Patel 12/06/2021

Quant Time: Dec 04 05:45:47 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120321SMA.M  
Quant Title : SFAM01.0  
QLast Update : Sat Dec 04 04:50:24 2021  
Response via : Initial Calibration





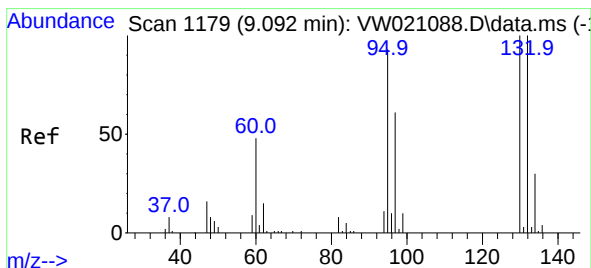
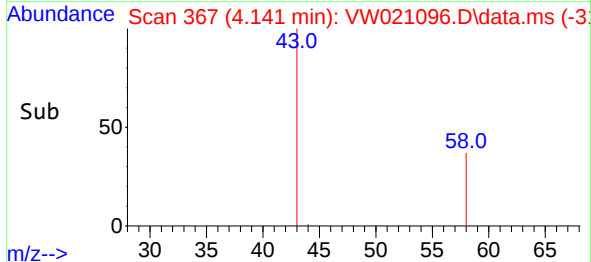
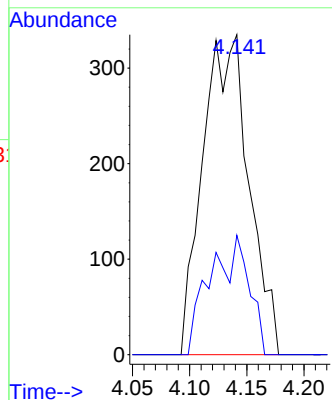
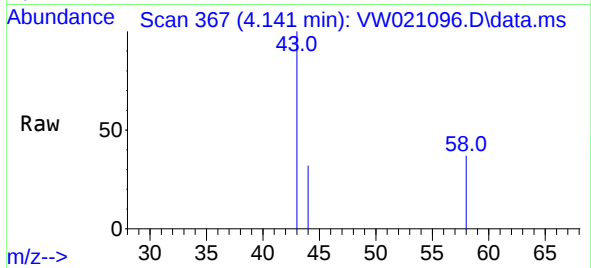
#13  
Acetone  
Concen: 9.675 ug/L m  
RT: 4.141 min Scan# 366  
Delta R.T. 0.006 min  
Lab File: VW021096.D  
Acq: 04 Dec 2021 04:52

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9G4

Tgt Ion: 43 Resp: 94  
Ion Ratio Lower Upper  
43 100  
58 13.2 0.0 52.8

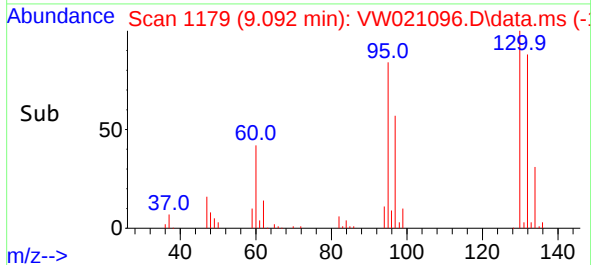
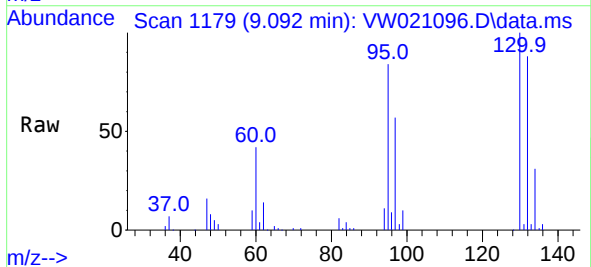
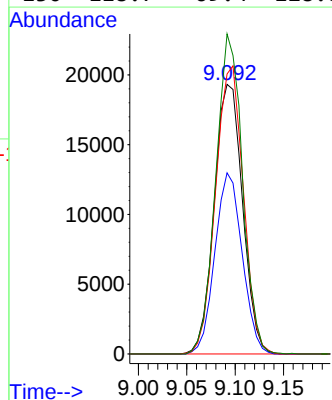
Manual Integrations  
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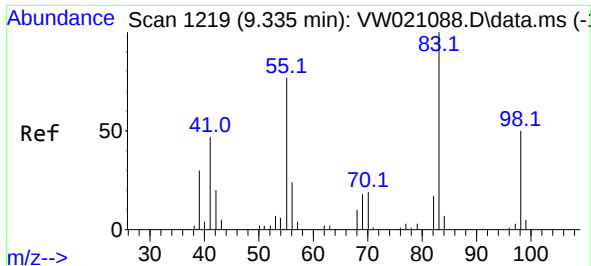
Reviewed By :Semsettin Yesilyurt 12/05/2021  
Supervised By :Amit Patel 12/06/2021



#34  
Trichloroethene  
Concen: 80.025 ug/L  
RT: 9.092 min Scan# 1179  
Delta R.T. 0.000 min  
Lab File: VW021096.D  
Acq: 04 Dec 2021 04:52

Tgt Ion: 95 Resp: 39408  
Ion Ratio Lower Upper  
95 100  
97 67.2 47.0 87.2  
132 103.9 65.5 121.6  
130 118.7 69.4 128.8





#35

Methylcyclohexane

Concen: 0.569 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VW021096.D

Acq: 04 Dec 2021 04:52

Instrument :

MSVOA\_W

ClientSampleId :

EW9G4

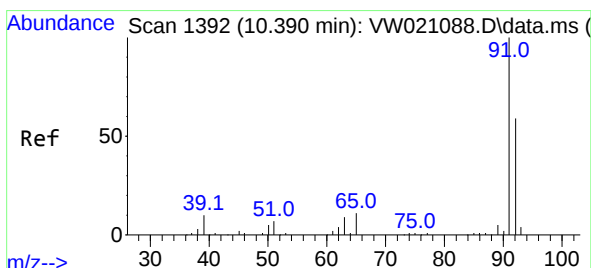
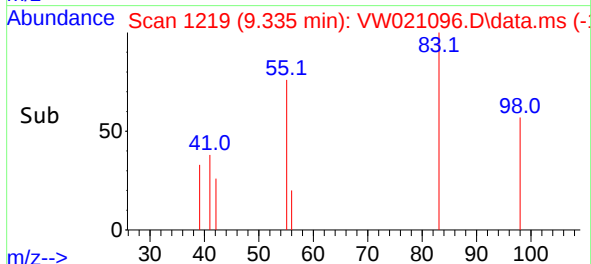
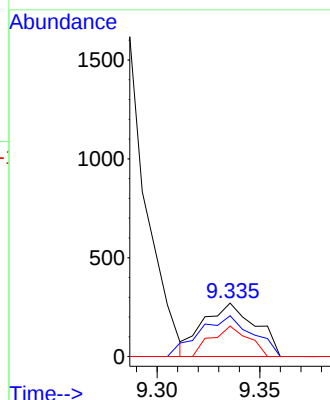
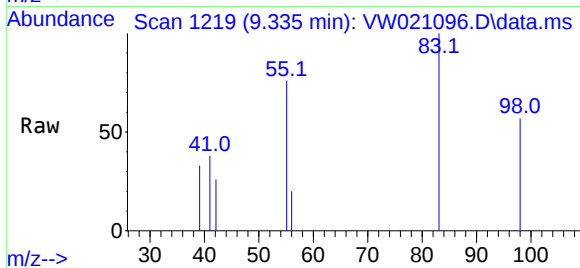
Tgt Ion: 83 Resp: 472

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 78.6  | 70.8  | 106.2 |
| 98  | 41.1  | 37.7  | 56.5  |

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#42

Toluene

Concen: 2.832 ug/L

RT: 10.390 min Scan# 1392

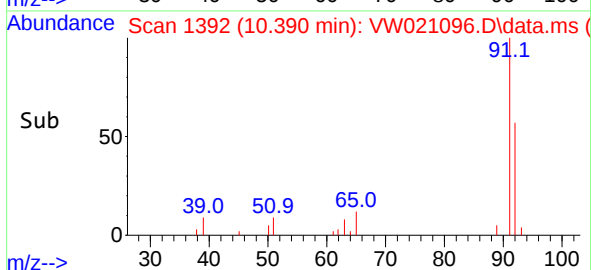
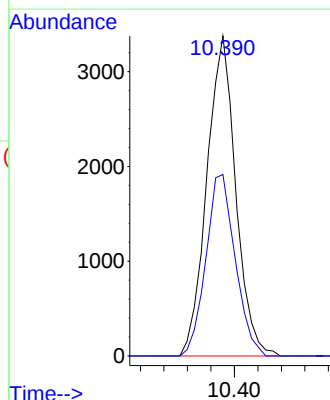
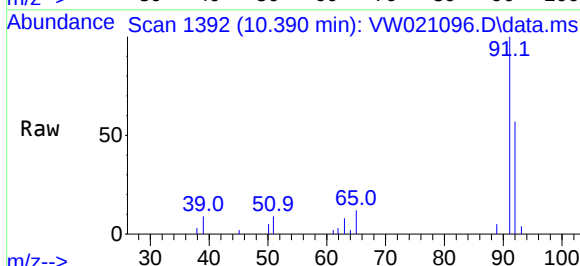
Delta R.T. -0.000 min

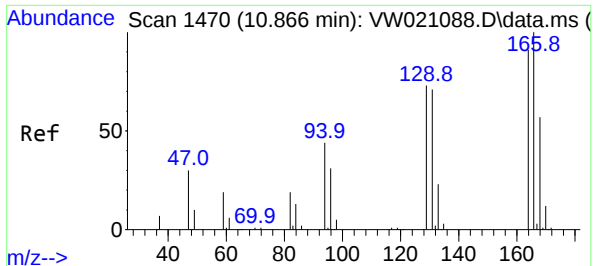
Lab File: VW021096.D

Acq: 04 Dec 2021 04:52

Tgt Ion: 91 Resp: 5773

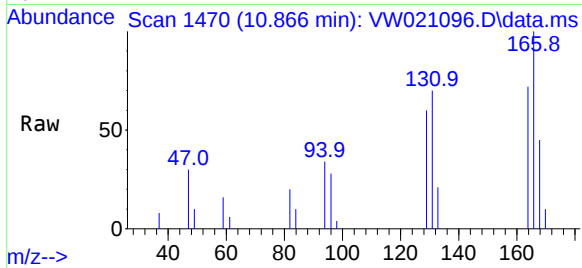
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 92  | 56.7  | 41.7  | 77.5  |





#46  
Tetrachloroethene  
Concen: 3.484 ug/L  
RT: 10.866 min Scan# 1470  
Delta R.T. 0.000 min  
Lab File: VW021096.D  
Acq: 04 Dec 2021 04:52

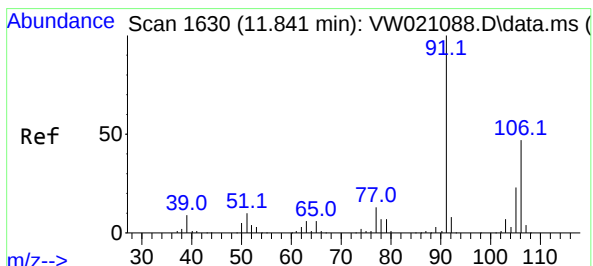
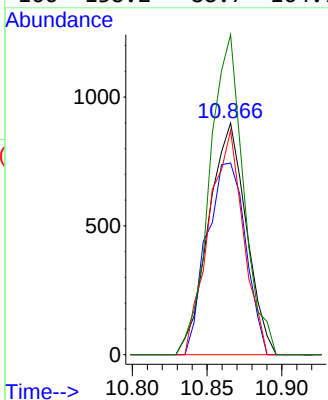
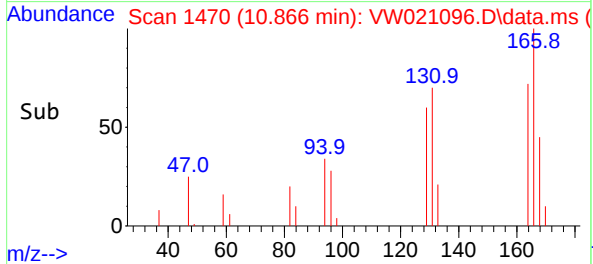
Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9G4



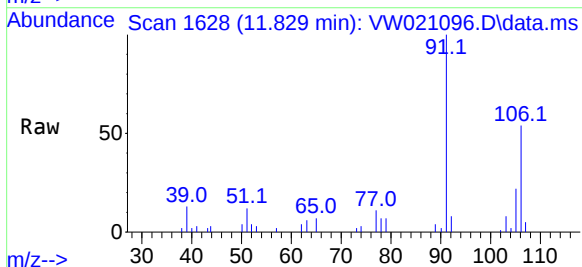
Tgt Ion:164 Resp: 157  
Ion Ratio Lower Upper  
164 100  
129 82.8 65.5 121.7  
131 96.8 59.7 110.9  
166 138.2 88.7 164.7

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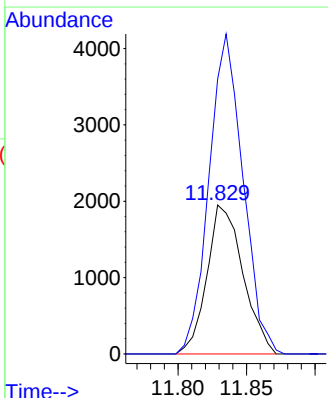
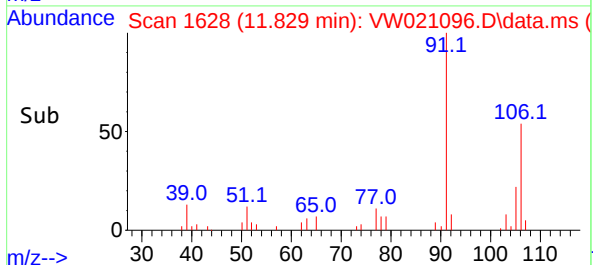
Reviewed By :Semsettin Yesilyurt 12/05/2021  
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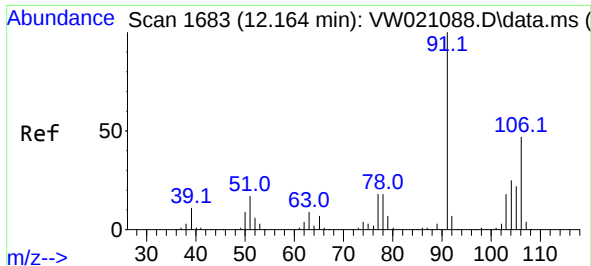


#53  
m,p-Xylene  
Concen: 3.753 ug/L  
RT: 11.829 min Scan# 1628  
Delta R.T. -0.012 min  
Lab File: VW021096.D  
Acq: 04 Dec 2021 04:52



Tgt Ion:106 Resp: 3563  
Ion Ratio Lower Upper  
106 100  
91 184.5 149.9 278.3





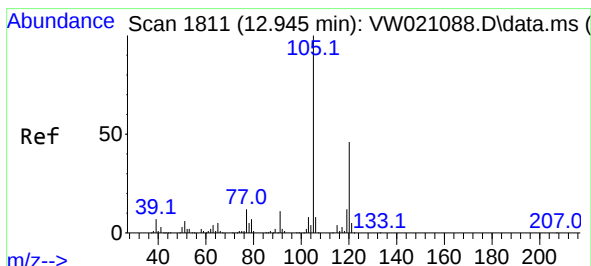
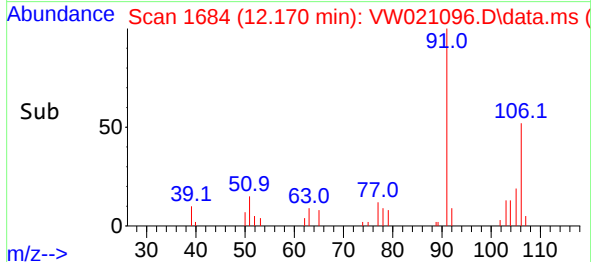
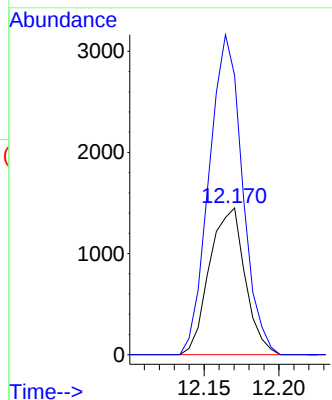
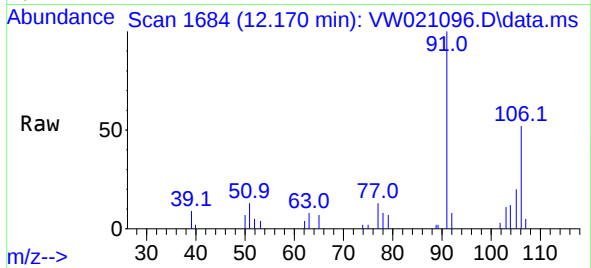
#54  
o-Xylene  
Concen: 2.674 ug/L  
RT: 12.170 min Scan# 106  
Delta R.T. 0.006 min  
Lab File: VW021096.D  
Acq: 04 Dec 2021 04:52

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9G4

Tgt Ion:106 Resp: 2394  
Ion Ratio Lower Upper  
106 100  
91 190.6 153.6 285.3

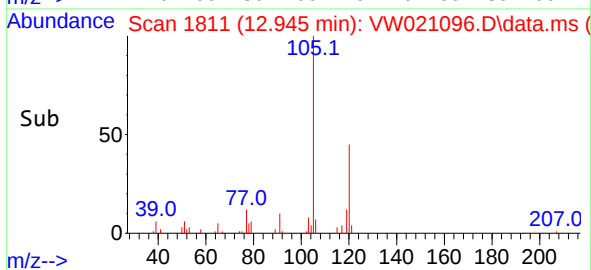
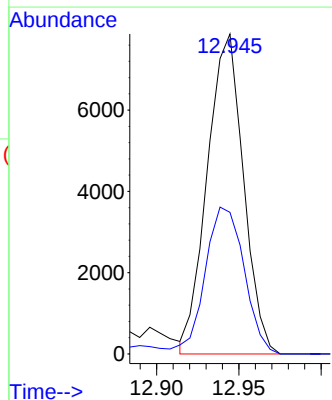
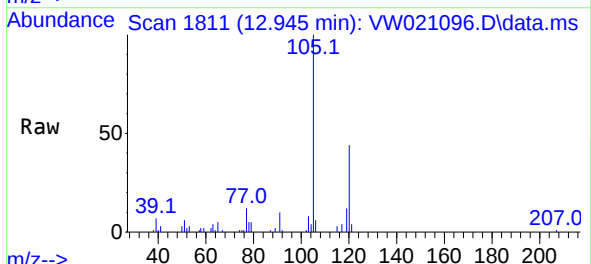
Manual Integrations  
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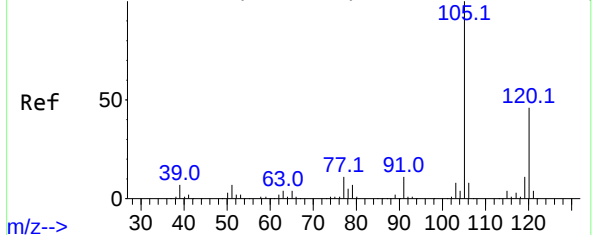


#62  
1,3,5-Trimethylbenzene  
Concen: 6.946 ug/L  
RT: 12.945 min Scan# 1811  
Delta R.T. -0.000 min  
Lab File: VW021096.D  
Acq: 04 Dec 2021 04:52

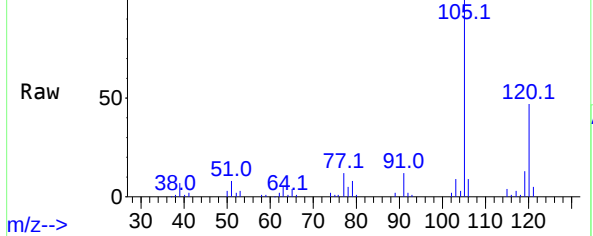
Tgt Ion:105 Resp: 12043  
Ion Ratio Lower Upper  
105 100  
120 49.4 37.4 56.2



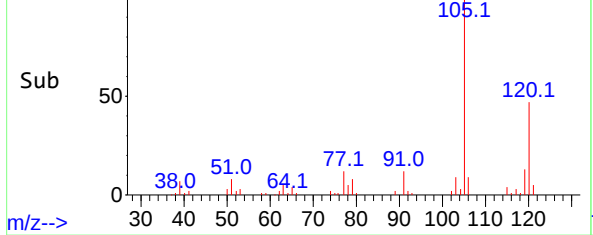
Abundance Scan 1861 (13.249 min): VW021088.D\data.ms (



Abundance Scan 1861 (13.249 min): VW021096.D\data.ms



Abundance Scan 1861 (13.249 min): VW021096.D\data.ms (



#63  
1,2,4-Trimethylbenzene  
Concen: 13.064 ug/L  
RT: 13.249 min Scan# 1861  
Delta R.T. 0.000 min  
Lab File: VW021096.D  
Acq: 04 Dec 2021 04:52

Tgt Ion:105 Resp: 2278  
Ion Ratio Lower Upper  
105 100  
120 47.3 35.0 52.6

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