

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW122221\  
 Data File : VW021558.D  
 Acq On : 22 Dec 2021 13:13  
 Operator : SY/VA  
 Sample : M5153-06  
 Misc : 4.70g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BGL71

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/24/2021  
 Supervised By : Mahesh Dadoda 01/02/2022

Quant Time: Dec 23 00:35:42 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120921SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Dec 23 00:34:33 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) 1,4-Difluorobenzene     | 8.841  | 114  | 154743   | 25.000 | ug/L  | # 0.00   |
| 28) Chlorobenzene-d5       | 11.634 | 117  | 148226   | 25.000 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 13.560 | 152  | 70324    | 25.000 | ug/L  | 0.00     |

## System Monitoring Compounds

|                               |        |       |          |          |      |         |
|-------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3          | 2.343  | 65    | 44034    | 15.624   | ug/L | 0.00    |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =    | 62.480% |
| 7) Chloroethane-d5            | 2.885  | 69    | 32166    | 17.265   | ug/L | 0.00    |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =    | 69.040% |
| 11) 1,1-Dichloroethene-d2     | 4.007  | 63    | 52998    | 14.105   | ug/L | -0.01   |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =    | 56.440% |
| 21) 2-Butanone-d5             | 7.098  | 46    | 17705    | 44.567   | ug/L | 0.02    |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =    | 89.140% |
| 24) Chloroform-d              | 7.646  | 84    | 94199    | 21.844   | ug/L | 0.00    |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =    | 87.360% |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 51328    | 22.376   | ug/L | 0.00    |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =    | 89.520% |
| 32) Benzene-d6                | 8.274  | 84    | 176630   | 21.740   | ug/L | 0.00    |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =    | 86.960% |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 50262    | 23.067   | ug/L | 0.00    |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =    | 92.280% |
| 41) Toluene-d8                | 10.323 | 98    | 174321   | 20.999   | ug/L | 0.00    |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =    | 84.000% |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 20714    | 20.646   | ug/L | 0.00    |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =    | 82.600% |
| 47) 2-Hexanone-d5             | 10.926 | 63    | 15352    | 47.646   | ug/L | 0.00    |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =    | 95.300% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84    | 35297    | 18.844   | ug/L | 0.00    |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =    | 75.360% |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 54508    | 20.000   | ug/L | 0.00    |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =    | 80.000% |

| Target Compounds           |        |     |        |        | Qvalue |
|----------------------------|--------|-----|--------|--------|--------|
| 13) Acetone                | 4.171  | 43  | 11087m | 31.131 | ug/L   |
| 16) Methylene chloride     | 4.909  | 84  | 15913  | 6.224  | ug/L   |
| 22) 2-Butanone             | 7.201  | 43  | 2261m  | 4.861  | ug/L   |
| 51) Chlorobenzene          | 11.658 | 112 | 169789 | 26.854 | ug/L   |
| 52) Ethylbenzene           | 11.731 | 91  | 40806  | 3.781  | ug/L   |
| 53) m,p-Xylene             | 11.835 | 106 | 18849  | 4.330  | ug/L   |
| 54) o-Xylene               | 12.164 | 106 | 27808  | 6.730  | ug/L   |
| 60) Isopropylbenzene       | 12.463 | 105 | 28904  | 3.025  | ug/L   |
| 62) 1,3,5-Trimethylbenzene | 12.938 | 105 | 31371  | 3.858  | ug/L   |
| 63) 1,2,4-Trimethylbenzene | 13.249 | 105 | 288097 | 35.916 | ug/L   |
| 64) 1,3-Dichlorobenzene    | 13.499 | 146 | 6824   | 1.514  | ug/L   |
| 65) 1,4-Dichlorobenzene    | 13.572 | 146 | 32492  | 7.256  | ug/L   |
| 67) 1,2-Dichlorobenzene    | 13.871 | 146 | 41777  | 10.528 | ug/L   |
| 70) 1,2,4-trichlorobenzene | 15.127 | 180 | 101861 | 37.593 | ug/L   |
| 72) 1,2,3-Trichlorobenzene | 15.554 | 180 | 28816  | 12.868 | ug/L   |

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

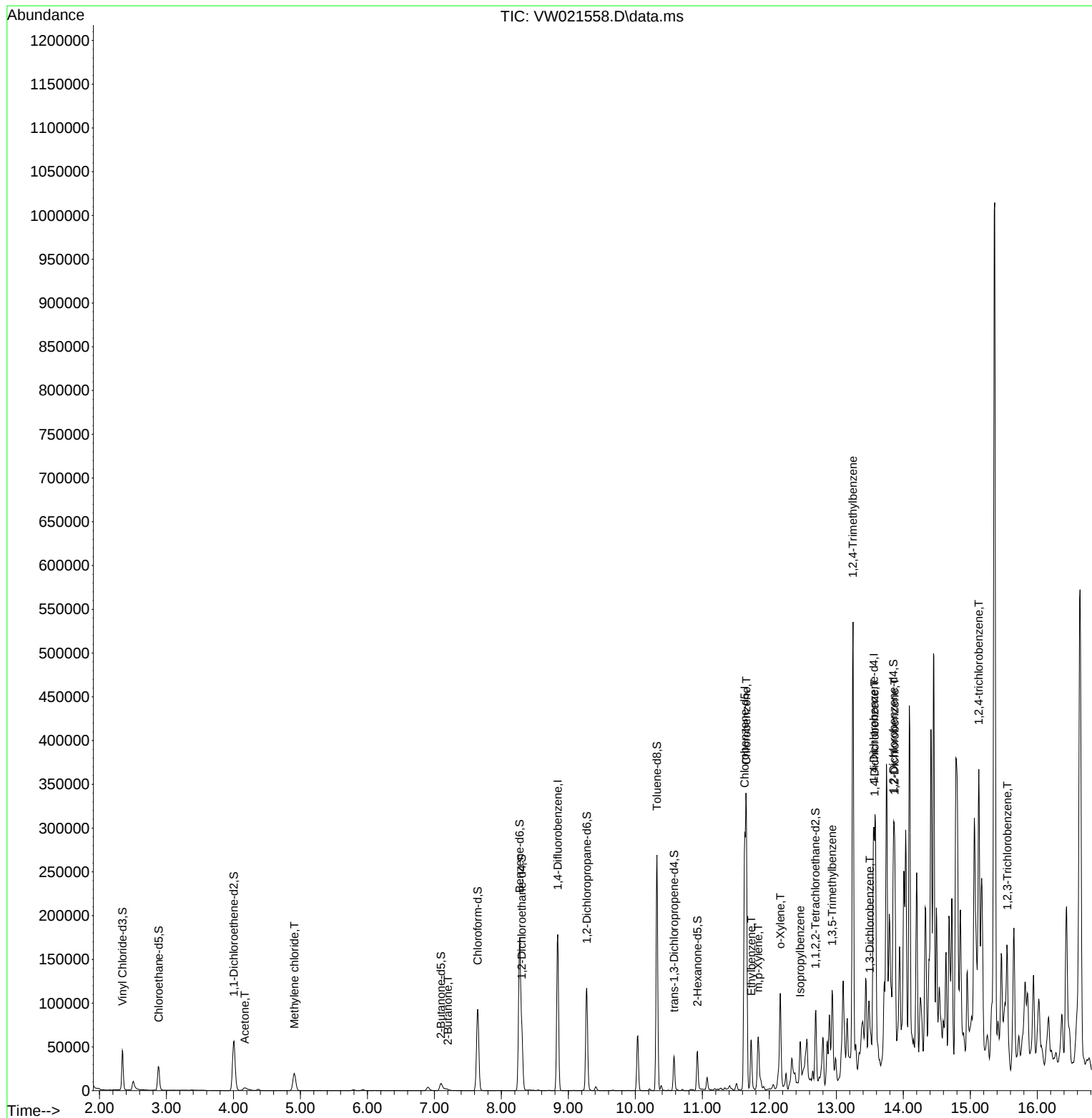
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Data File : VW021558.D  
Acq On : 22 Dec 2021 13:13  
Operator : SY/VA  
Sample : M5153-06  
Misc : 4.70g/10.0mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

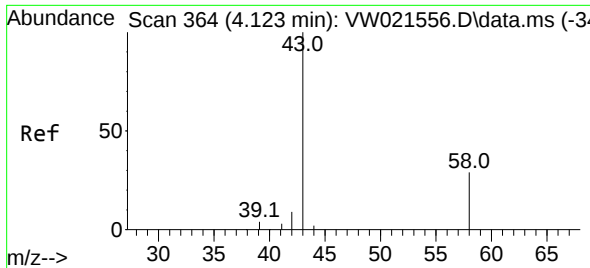
Instrument :  
MSVOA\_W  
ClientSampleId :  
BGL71

Manual Integrations  
APPROVED

Reviewed By : Semsettin Yesilyurt 12/24/2021  
Supervised By : Mahesh Dadoda 01/02/2022

Quant Time: Dec 23 00:35:42 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120921SMA.M  
Quant Title : SFAM01.0  
QLast Update : Thu Dec 23 00:34:33 2021  
Response via : Initial Calibration





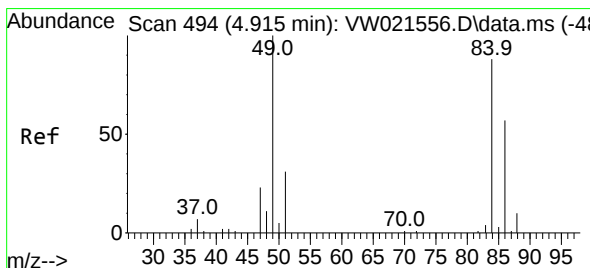
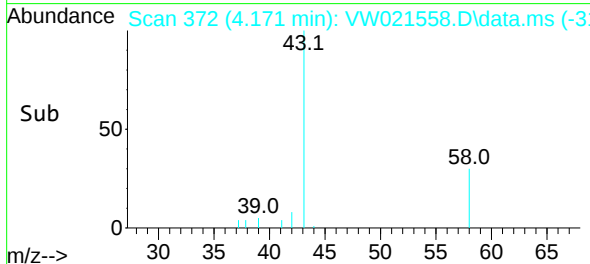
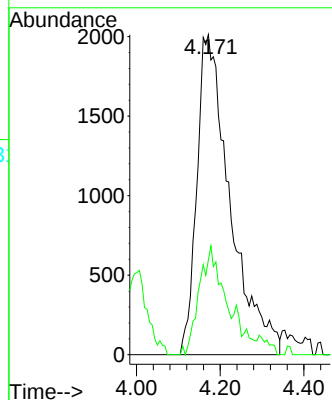
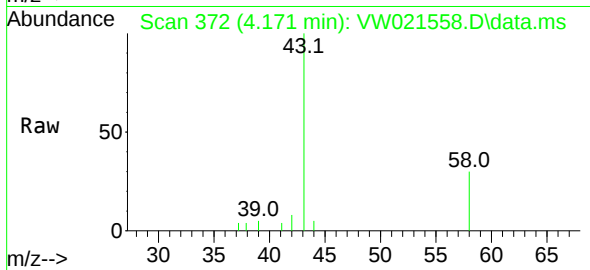
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Acetone  
Concen: 31.131 ug/L m  
RT: 4.171 min Scan# 31  
Delta R.T. 0.049 min  
Lab File: VW021558.D  
Acq: 22 Dec 2021 13:13

Instrument :  
MSVOA\_W  
ClientSampleId :  
BGL71

Tgt Ion: 43 Resp: 1108  
Ion Ratio Lower Upper  
43 100  
58 15.0 0.0 52.8

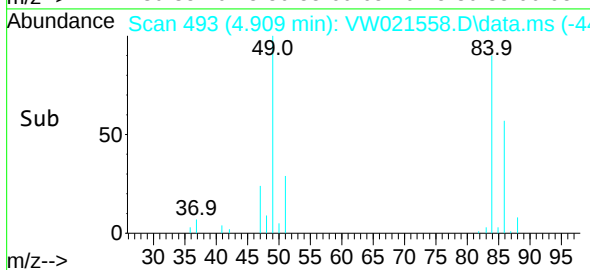
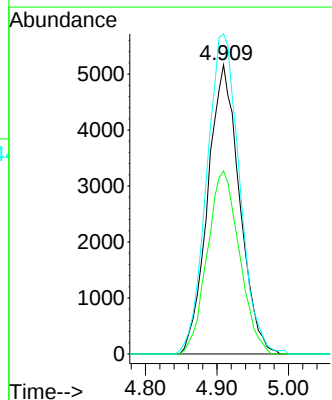
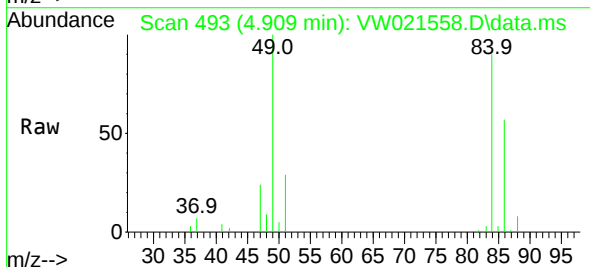
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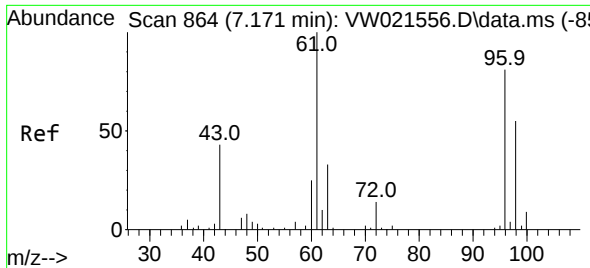
Reviewed By :Semsettin Yesilyurt 12/24/2021  
Supervised By :Mahesh Dadoda 01/02/2022



#16  
Methylene chloride  
Concen: 6.224 ug/L  
RT: 4.909 min Scan# 493  
Delta R.T. -0.006 min  
Lab File: VW021558.D  
Acq: 22 Dec 2021 13:13

Tgt Ion: 84 Resp: 15913  
Ion Ratio Lower Upper  
84 100  
86 63.2 45.5 84.5  
49 110.7 100.5 186.7





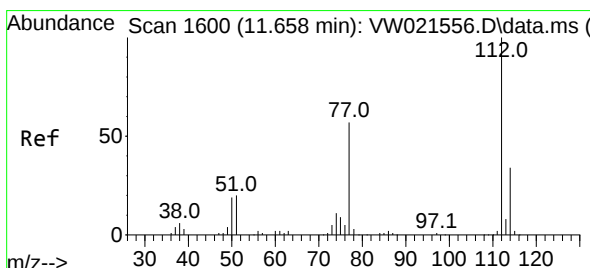
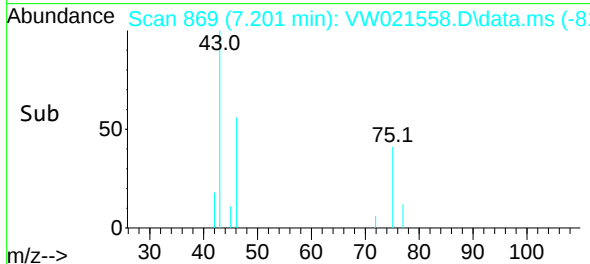
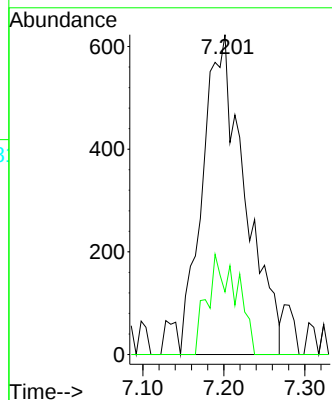
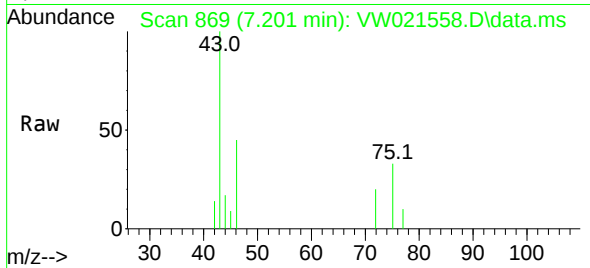
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2-Butanone  
Concen: 4.861 ug/L m  
RT: 7.201 min Scan# 869  
Delta R.T. 0.030 min  
Lab File: VW021558.D  
Acq: 22 Dec 2021 13:13

Instrument :  
MSVOA\_W  
ClientSampleId :  
BGL71

Tgt Ion: 43 Resp: 226  
Ion Ratio Lower Upper  
43 100  
72 7.7 11.8 35.4

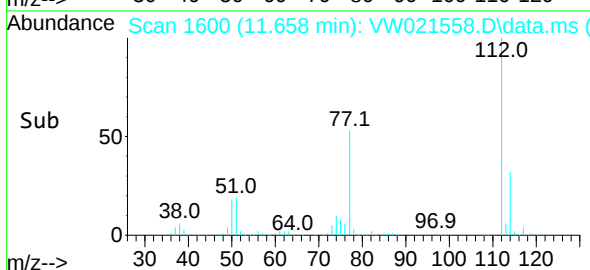
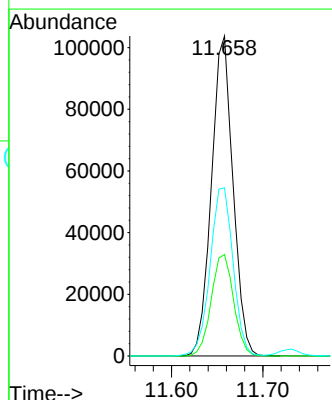
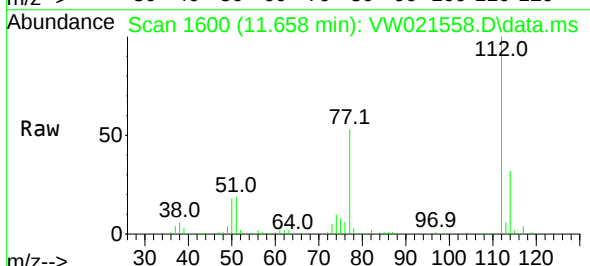
Manual Integrations  
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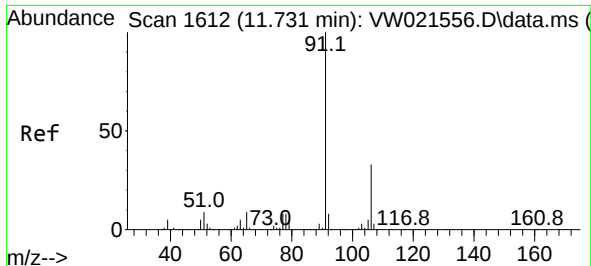
Reviewed By :Semsettin Yesilyurt 12/24/2021  
Supervised By :Mahesh Dadoda 01/02/2022



#51  
Chlorobenzene  
Concen: 26.854 ug/L  
RT: 11.658 min Scan# 1600  
Delta R.T. -0.000 min  
Lab File: VW021558.D  
Acq: 22 Dec 2021 13:13

Tgt Ion:112 Resp: 169789  
Ion Ratio Lower Upper  
112 100  
114 31.7 22.4 41.6  
77 52.6 50.2 75.4





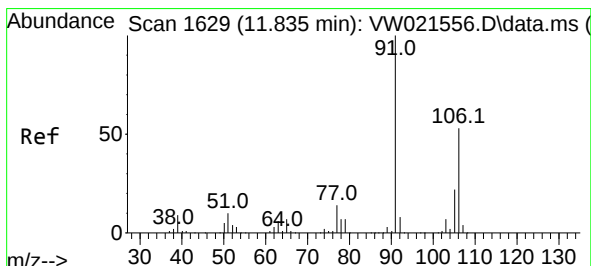
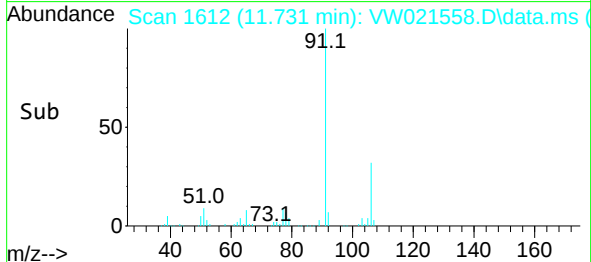
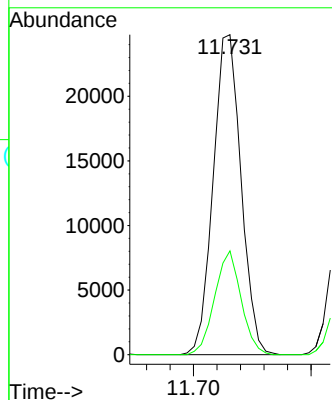
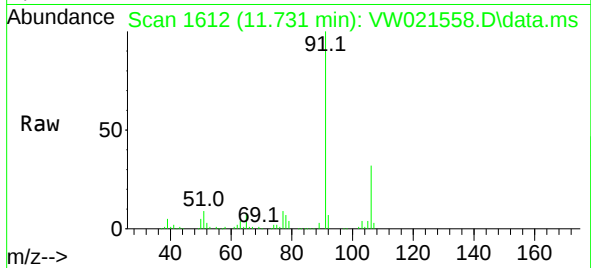
#52  
Ethylbenzene  
Concen: 3.781 ug/L  
RT: 11.731 min Scan# 1612  
Delta R.T. -0.000 min  
Lab File: VW021558.D  
Acq: 22 Dec 2021 13:13

Instrument :  
MSVOA\_W  
ClientSampleId :  
BGL71

Tgt Ion: 91 Resp: 40800  
Ion Ratio Lower Upper  
91 100  
106 32.4 21.5 39.9

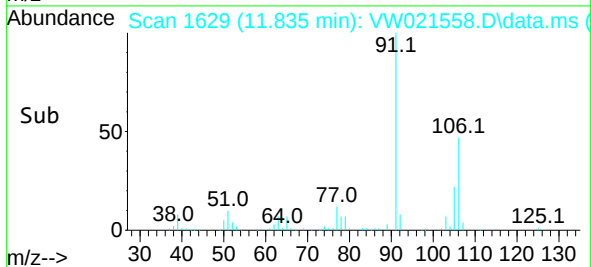
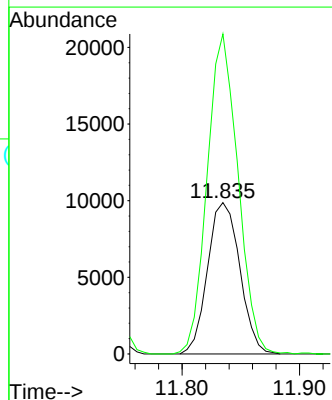
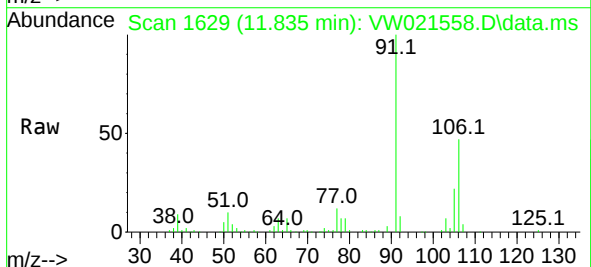
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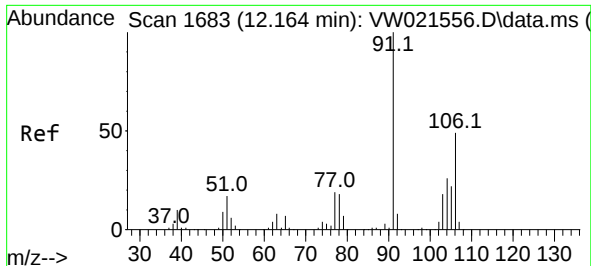
Reviewed By :Semsettin Yesilyurt 12/24/2021  
Supervised By :Mahesh Dadoda 01/02/2022



#53  
m,p-Xylene  
Concen: 4.330 ug/L  
RT: 11.835 min Scan# 1629  
Delta R.T. -0.000 min  
Lab File: VW021558.D  
Acq: 22 Dec 2021 13:13

Tgt Ion:106 Resp: 18849  
Ion Ratio Lower Upper  
106 100  
91 211.3 149.9 278.3





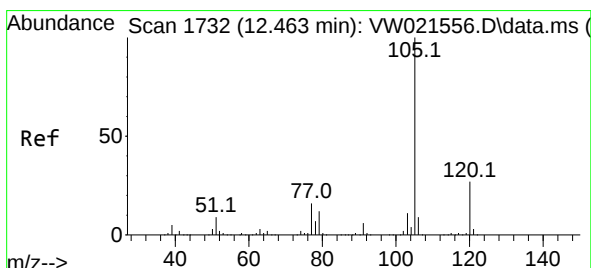
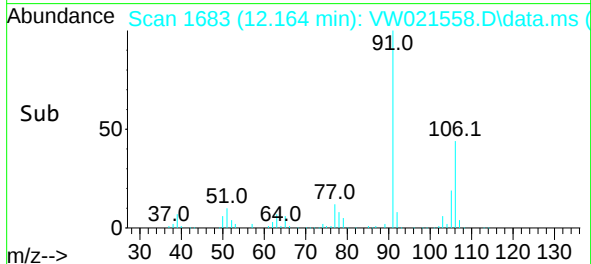
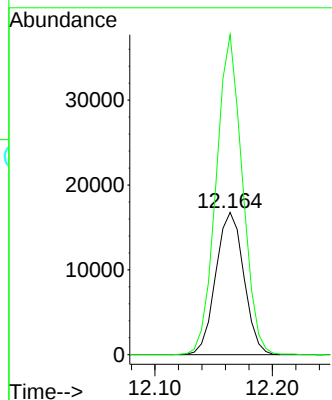
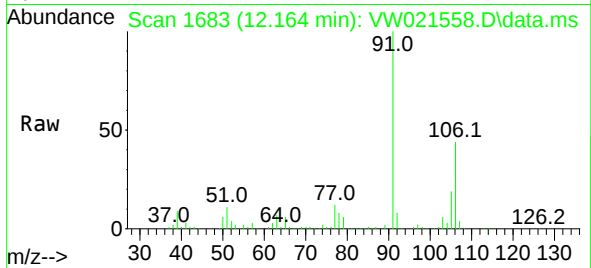
#54  
o-Xylene  
Concen: 6.730 ug/L  
RT: 12.164 min Scan# 1683  
Delta R.T. -0.000 min  
Lab File: VW021558.D  
Acq: 22 Dec 2021 13:13

Instrument :  
MSVOA\_W  
ClientSampleId :  
BGL71

Tgt Ion:106 Resp: 27808  
Ion Ratio Lower Upper  
106 100  
91 225.1 153.6 285.3

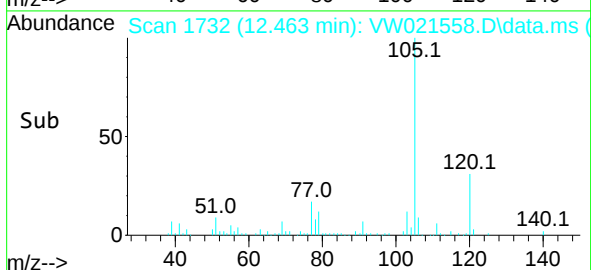
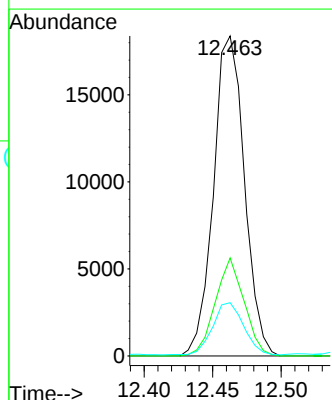
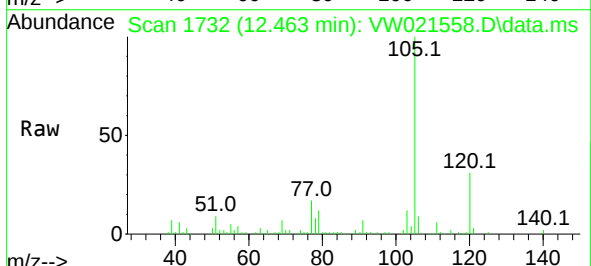
Manual Integrations  
APPROVED

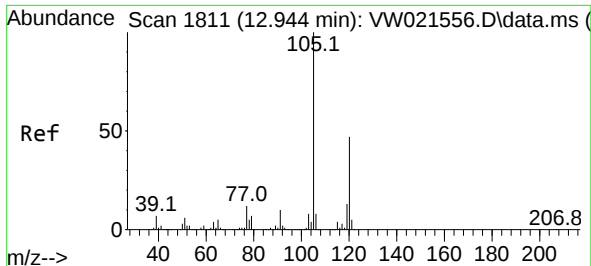
Reviewed By :Semsettin Yesilyurt 12/24/2021  
Supervised By :Mahesh Dadoda 01/02/2022



#60  
Isopropylbenzene  
Concen: 3.025 ug/L  
RT: 12.463 min Scan# 1732  
Delta R.T. -0.000 min  
Lab File: VW021558.D  
Acq: 22 Dec 2021 13:13

Tgt Ion:105 Resp: 28904  
Ion Ratio Lower Upper  
105 100  
120 28.5 20.1 30.1  
77 16.1 13.8 20.8





#62

1,3,5-Trimethylbenzene

Concen: 3.858 ug/L

RT: 12.938 min Scan# 1811

Delta R.T. -0.006 min

Lab File: VW021558.D

Acq: 22 Dec 2021 13:13

Instrument :

MSVOA\_W

ClientSampleId :

BGL71

Tgt Ion:105 Resp: 3137

Ion Ratio Lower Upper

105 100

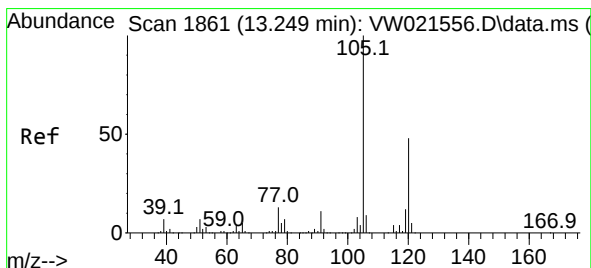
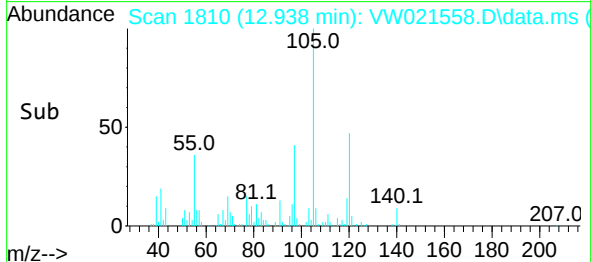
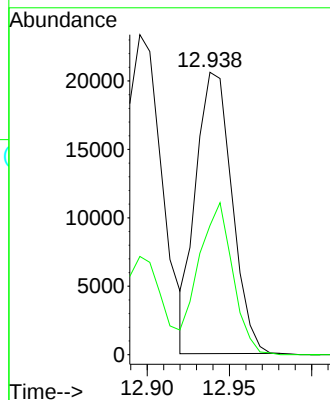
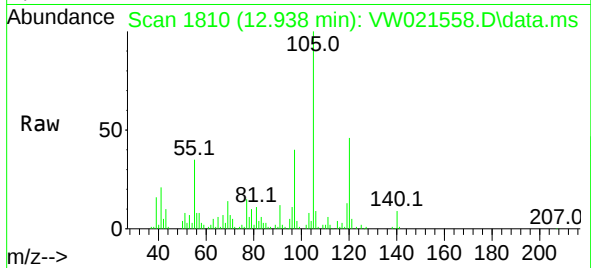
120 50.8 37.4 56.2

Manual Integrations

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Supervised By :Mahesh Dadoda 01/02/2022



#63

1,2,4-Trimethylbenzene

Concen: 35.916 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VW021558.D

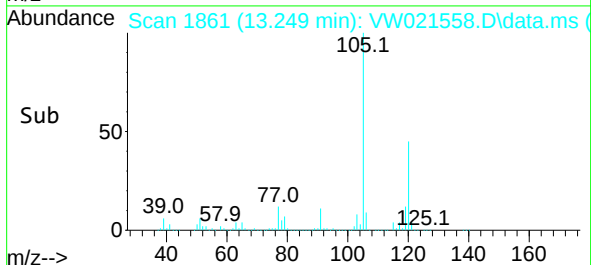
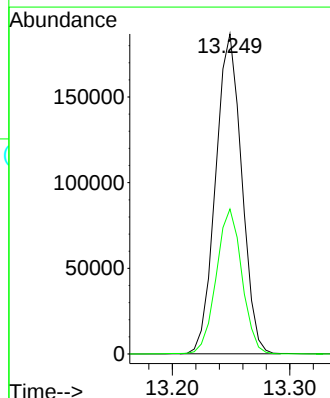
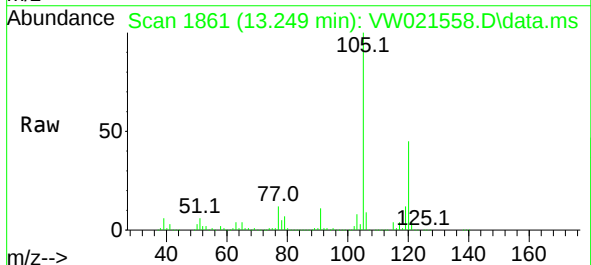
Acq: 22 Dec 2021 13:13

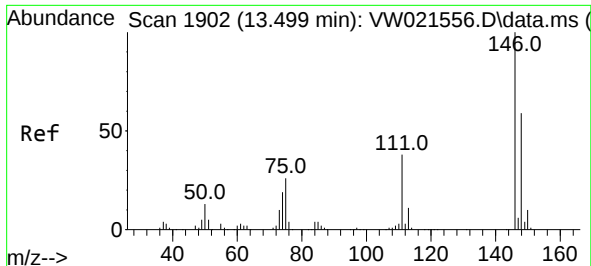
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Ion Ratio Lower Upper

105 100

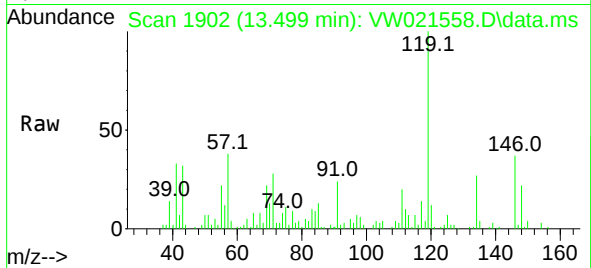
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#64  
1,3-Dichlorobenzene  
Concen: 1.514 ug/L  
RT: 13.499 min Scan# 1902  
Delta R.T. -0.000 min  
Lab File: VW021558.D  
Acq: 22 Dec 2021 13:13

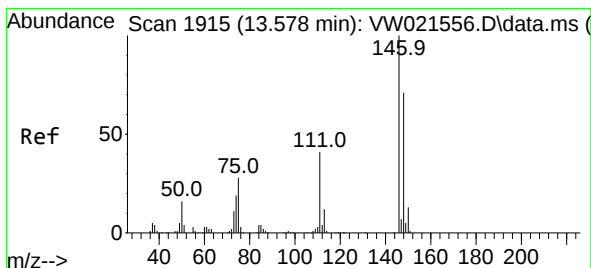
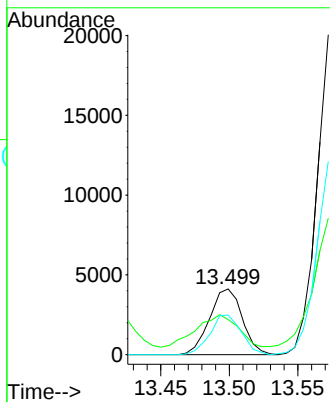
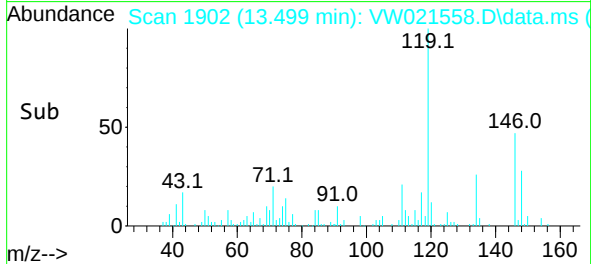
Instrument :  
MSVOA\_W  
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BGL71



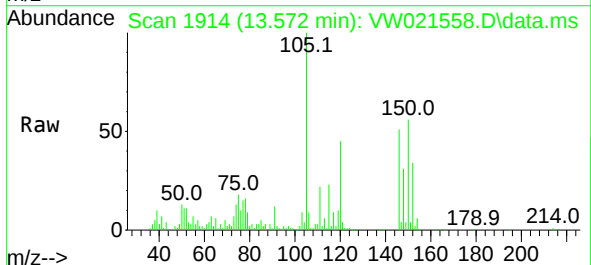
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Manual Integrations  
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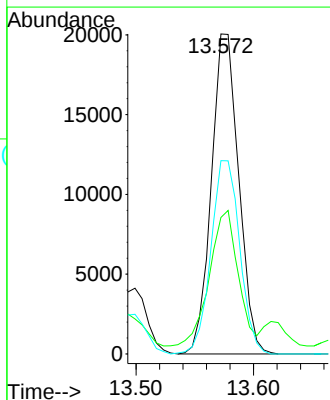
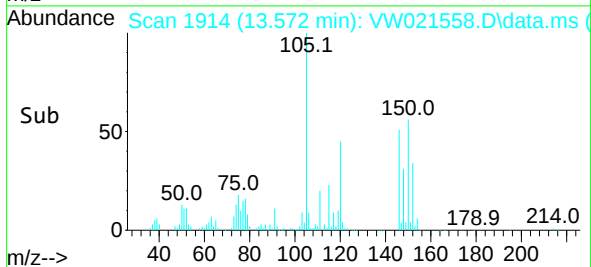
Reviewed By :Semsettin Yesilyurt 12/24/2021  
Supervised By :Mahesh Dadoda 01/02/2022

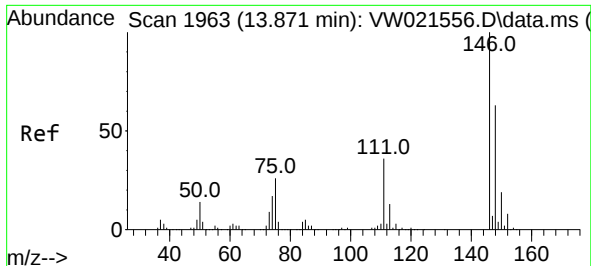


#65  
1,4-Dichlorobenzene  
Concen: 7.256 ug/L  
RT: 13.572 min Scan# 1914  
Delta R.T. -0.006 min  
Lab File: VW021558.D  
Acq: 22 Dec 2021 13:13



Tgt Ion:146 Resp: 32492  
Ion Ratio Lower Upper  
146 100  
111 42.7 29.0 53.9  
148 60.4 46.9 87.1





#67

1,2-Dichlorobenzene

Concen: 10.528 ug/L

RT: 13.871 min Scan# 1963

Delta R.T. -0.000 min

Lab File: VW021558.D

Acq: 22 Dec 2021 13:13

Instrument :

MSVOA\_W

ClientSampleId :

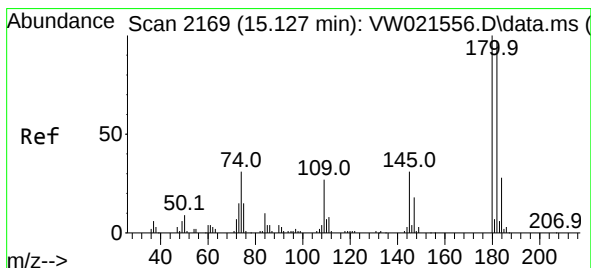
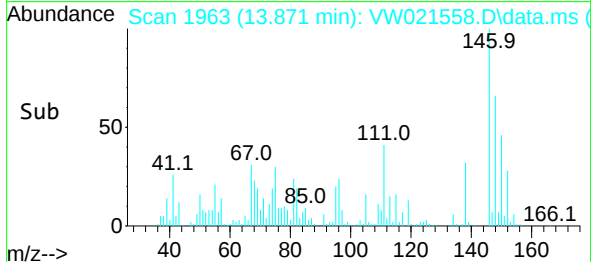
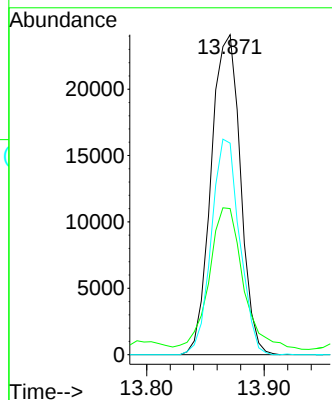
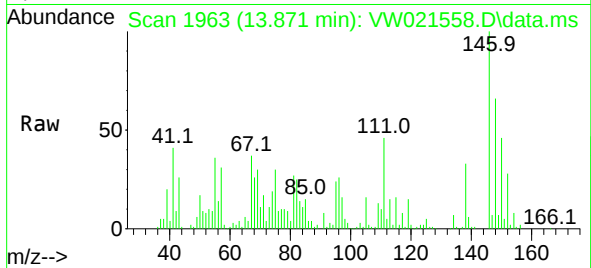
BGL71

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:146 | Resp: | 4177      |
| Ion Ratio   | Lower | Upper     |
| 146         | 100   |           |
| 111         | 45.7  | 33.1 49.7 |
| 148         | 66.1  | 47.4 71.2 |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/24/2021  
Supervised By :Mahesh Dadoda 01/02/2022



#70

1,2,4-trichlorobenzene

Concen: 37.593 ug/L

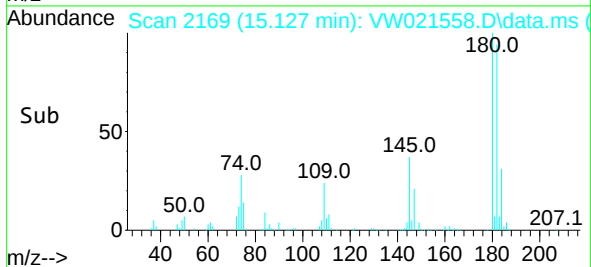
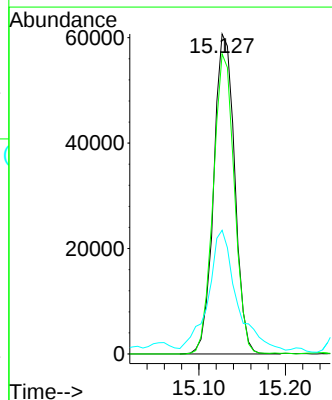
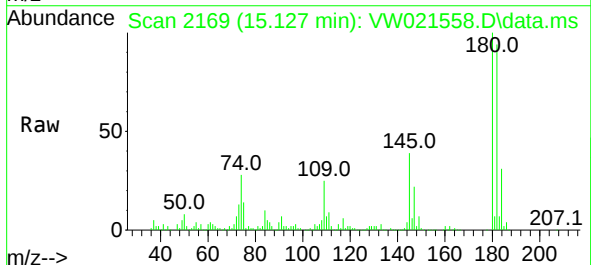
RT: 15.127 min Scan# 2169

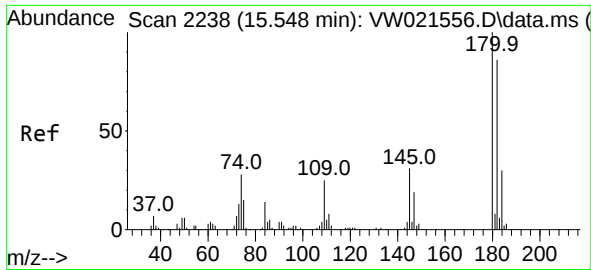
Delta R.T. -0.000 min

Lab File: VW021558.D

Acq: 22 Dec 2021 13:13

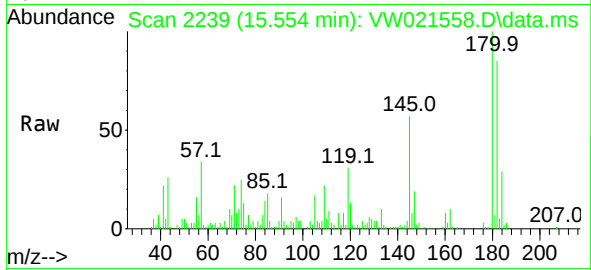
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 101861     |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 94.6  | 79.0 118.6 |
| 145         | 51.6  | 26.0 39.0  |





#72  
1,2,3-Trichlorobenzene  
Concen: 12.868 ug/L  
RT: 15.554 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VW021558.D  
Acq: 22 Dec 2021 13:13

Instrument :  
MSVOA\_W  
ClientSampleId :  
BGL71



Tgt Ion:180 Resp: 28810  
Ion Ratio Lower Upper  
180 100  
182 89.8 76.6 114.8  
145 70.3 27.4 41.0

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 12/24/2021  
Supervised By :Mahesh Dadoda 01/02/2022

