

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW110921\  
 Data File : VW023337.D  
 Acq On : 10 Nov 2021 17:16  
 Operator : SY/MD  
 Sample : M4558-08  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GB870

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 11/11/2021  
 Supervised By : Mahesh Dadoda 11/11/2021

Quant Time: Nov 11 00:44:01 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR110421WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Nov 11 00:38:57 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response  | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|-----------|----------|--------|-----------|
| -----                         |        |       |           |          |        |           |
| Internal Standards            |        |       |           |          |        |           |
| 1) 1,4-Difluorobenzene        | 5.619  | 114   | 135463    | 5.000    | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 8.853  | 117   | 126702    | 5.000    | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 69616     | 5.000    | ug/L   | 0.00      |
|                               |        |       |           |          |        |           |
| System Monitoring Compounds   |        |       |           |          |        |           |
| 4) Vinyl Chloride-d3          | 1.307  | 65    | 26245     | 3.093    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 40 - 130  | Recovery | =      | 61.800%   |
| 7) Chloroethane-d5            | 1.568  | 69    | 26392     | 3.816    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 130  | Recovery | =      | 76.400%   |
| 11) 1,1-Dichloroethene-d2     | 2.111  | 63    | 38941     | 2.451    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 125  | Recovery | =      | 49.000%#  |
| 20) 2-Butanone-d5             | 3.886  | 46    | 99613     | 68.133   | ug/L   | -0.01     |
| Spiked Amount                 | 50.000 | Range | 40 - 130  | Recovery | =      | 136.260%# |
| 24) Chloroform-d              | 4.352  | 84    | 75222     | 4.159    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125  | Recovery | =      | 83.200%   |
| 26) 1,2-Dichloroethane-d4     | 5.040  | 65    | 36669     | 4.509    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130  | Recovery | =      | 90.200%   |
| 32) Benzene-d6                | 5.056  | 84    | 146165    | 4.496    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125  | Recovery | =      | 90.000%   |
| 36) 1,2-Dichloropropane-d6    | 6.072  | 67    | 45638     | 4.769    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 140  | Recovery | =      | 95.400%   |
| 41) Toluene-d8                | 7.317  | 98    | 126045    | 4.137    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130  | Recovery | =      | 82.800%   |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79    | 14022     | 3.864    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 55 - 130  | Recovery | =      | 77.200%   |
| 46) 2-Hexanone-d5             | 8.088  | 63    | 79190     | 59.314   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 45 - 130  | Recovery | =      | 118.620%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84    | 34349     | 4.991    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 120  | Recovery | =      | 99.800%   |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152   | 56143     | 4.843    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 80 - 120  | Recovery | =      | 96.800%   |
|                               |        |       |           |          |        |           |
| Target Compounds              |        |       |           |          |        |           |
| 5) Vinyl chloride             | 1.310  | 62    | 1539      | 0.137    | ug/L # | 75        |
| 8) Chloroethane               | 1.587  | 64    | 2256      | 0.349    | ug/L   | 97        |
| 13) Acetone                   | 2.178  | 43    | 11503     | 12.876   | ug/L   | 96        |
| 22) cis-1,2-Dichloroethene    | 3.918  | 96    | 17298     | 1.810    | ug/L # | 81        |
| 30) Cyclohexane               | 4.680  | 56    | 759038    | 55.047   | ug/L   | 99        |
| 33) Benzene                   | 5.098  | 78    | 26432760m | 746.403  | ug/L   |           |
| 35) Methylcyclohexane         | 6.133  | 83    | 122038    | 8.210    | ug/L   | 87        |
| 42) Toluene                   | 7.390  | 91    | 152683    | 4.031    | ug/L   | 99        |
| 52) Ethylbenzene              | 9.014  | 91    | 212613    | 5.322    | ug/L   | 98        |
| 53) m,p-xylene                | 9.140  | 106   | 495542    | 31.607   | ug/L   | 96        |
| 54) o-xylene                  | 9.548  | 106   | 2803      | 0.191    | ug/L   | 100       |
| 60) Isopropylbenzene          | 9.934  | 105   | 285646    | 7.150    | ug/L   | 99        |
| 62) 1,3,5-Trimethylbenzene    | 10.541 | 105   | 44802     | 1.353    | ug/L   | 100       |
| 63) 1,2,4-Trimethylbenzene    | 10.914 | 105   | 253291    | 7.683    | ug/L   | 99        |
| -----                         |        |       |           |          |        |           |

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

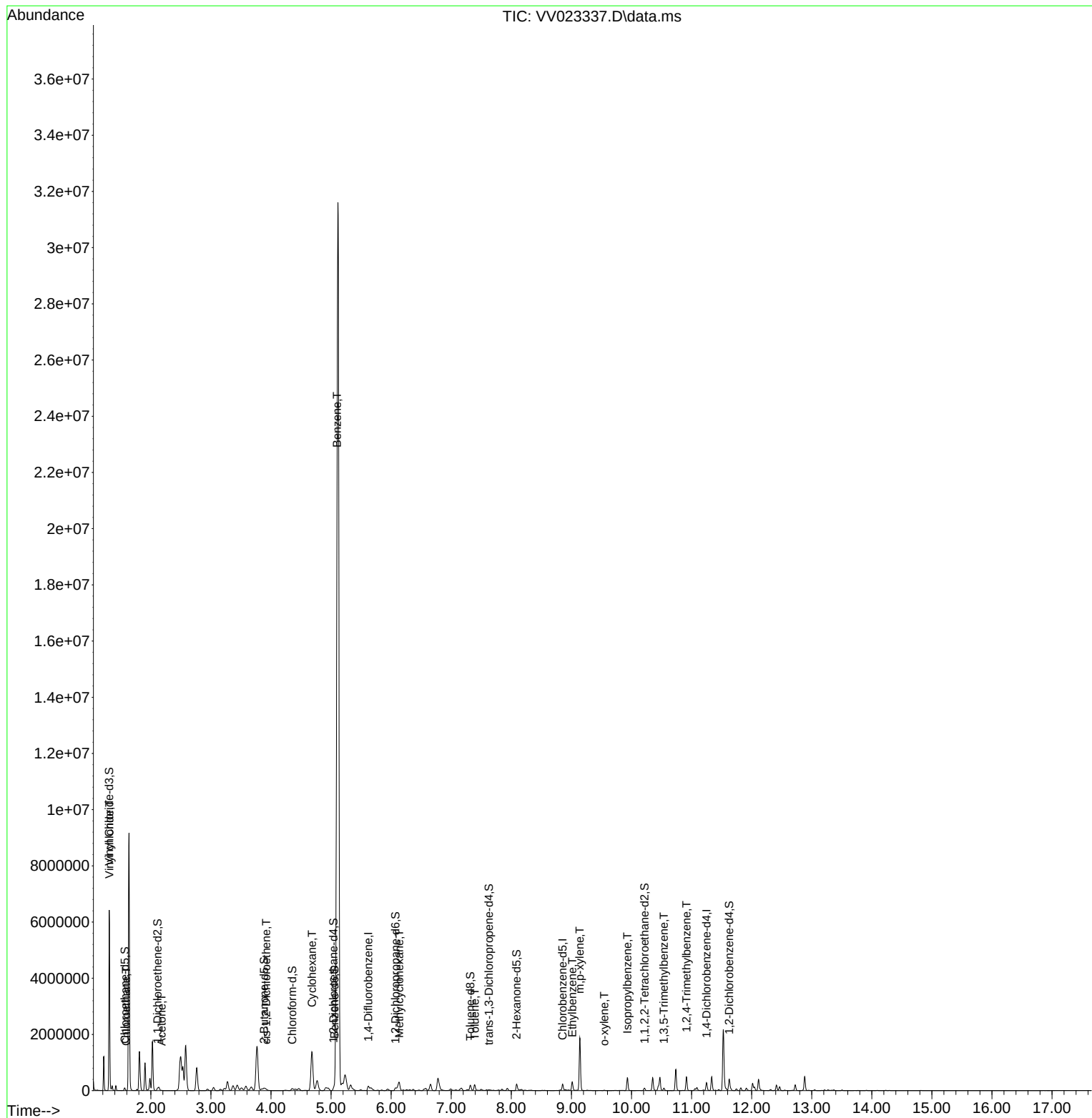
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV110921\  
Data File : VV023337.D  
Acq On : 10 Nov 2021 17:16  
Operator : SY/MD  
Sample : M4558-08  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 20 Sample Multiplier: 1

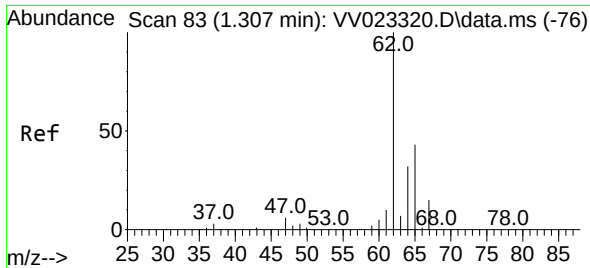
Instrument :  
MSVOA\_V  
ClientSampleId :  
GB870

Manual Integrations  
APPROVED

Reviewed By : John Carlone 11/11/2021  
Supervised By : Mahesh Dadoda 11/11/2021

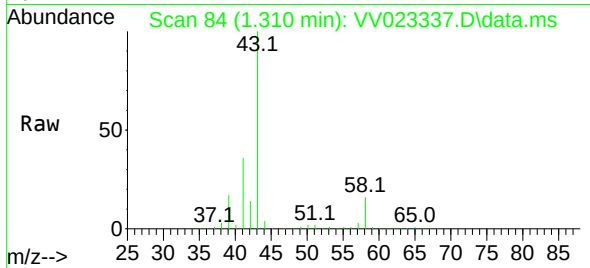
Quant Time: Nov 11 00:44:01 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR110421WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Nov 11 00:38:57 2021  
Response via : Initial Calibration





#5  
 Vinyl chloride  
 Concen: 0.137 ug/L  
 RT: 1.310 min Scan# 84  
 Delta R.T. 0.003 min  
 Lab File: VV023337.D  
 Acq: 10 Nov 2021 17:16

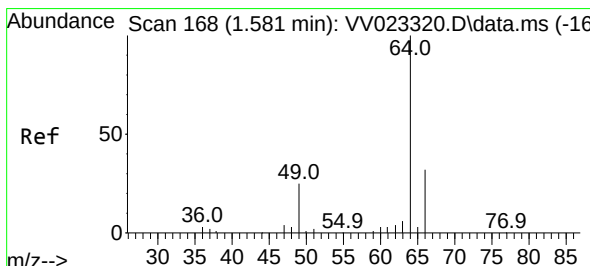
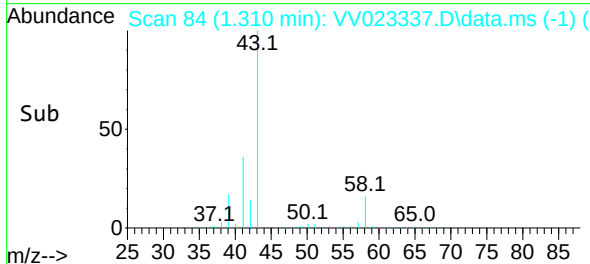
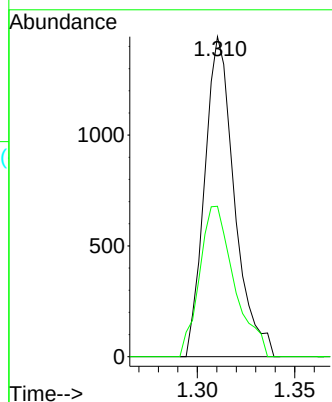
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GB870



Tgt Ion: 62 Resp: 1539  
 Ion Ratio Lower Upper  
 62 100  
 64 47.0 23.1 42.9

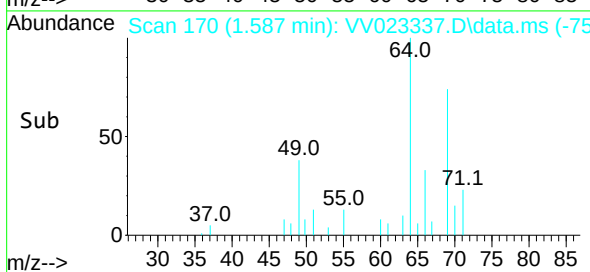
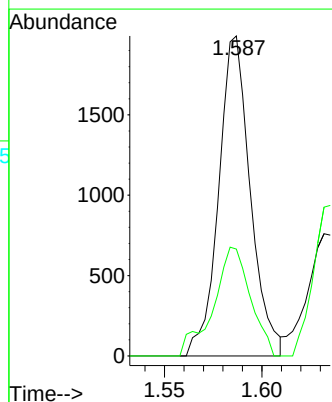
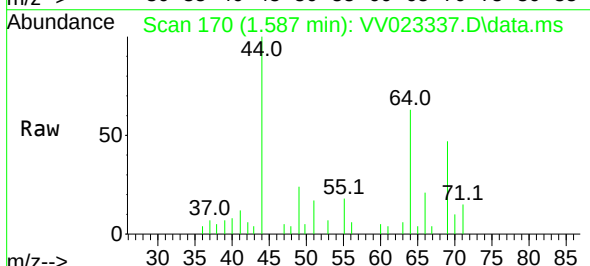
Manual Integrations  
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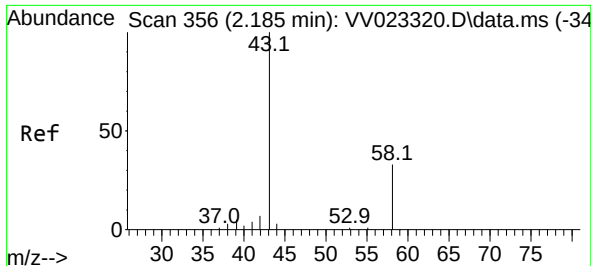
Reviewed By :John Carlone 11/11/2021  
 Supervised By :Mahesh Dadoda 11/11/2021



#8  
 Chloroethane  
 Concen: 0.349 ug/L  
 RT: 1.587 min Scan# 170  
 Delta R.T. 0.006 min  
 Lab File: VV023337.D  
 Acq: 10 Nov 2021 17:16

Tgt Ion: 64 Resp: 2256  
 Ion Ratio Lower Upper  
 64 100  
 66 33.4 22.1 41.1





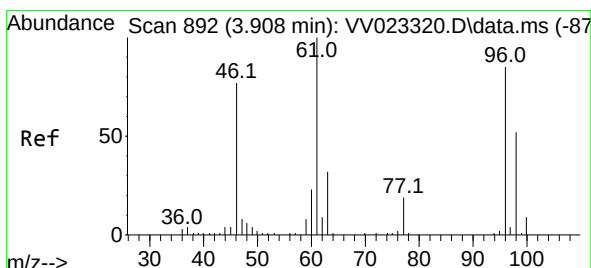
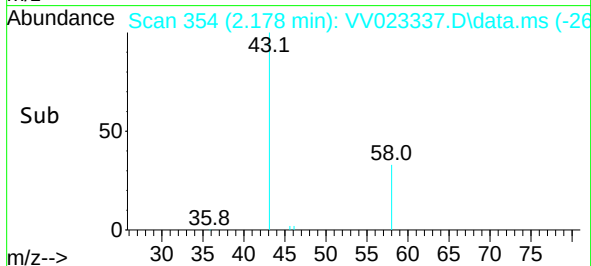
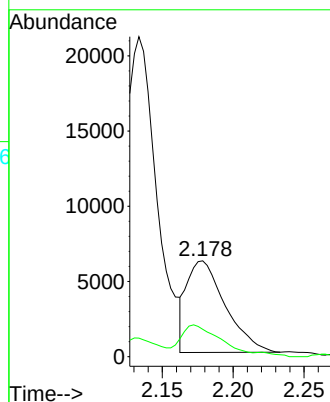
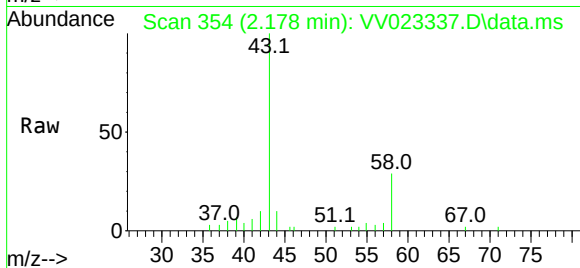
#13  
Acetone  
Concen: 12.876 ug/L  
RT: 2.178 min Scan# 311  
Delta R.T. -0.007 min  
Lab File: VV023337.D  
Acq: 10 Nov 2021 17:16

Instrument :  
MSVOA\_V  
ClientSampleId :  
GB870

Tgt Ion: 43 Resp: 1150  
Ion Ratio Lower Upper  
43 100  
58 29.8 0.0 55.4

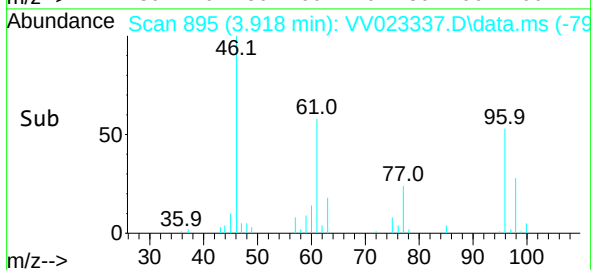
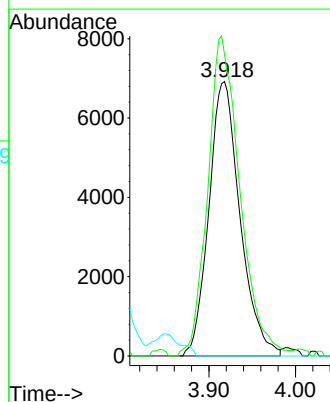
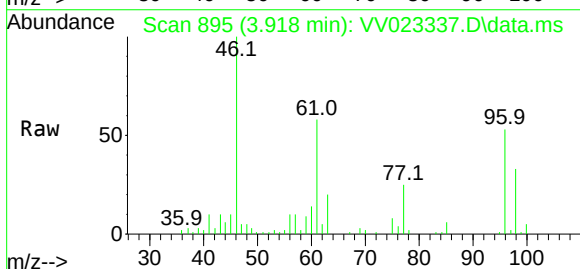
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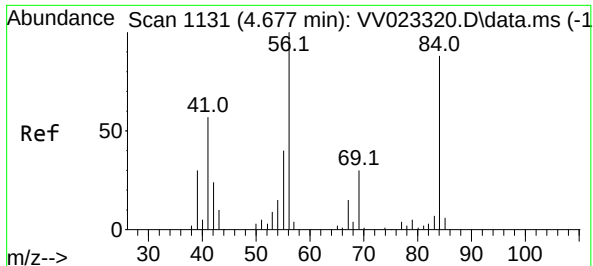
Reviewed By :John Carlone 11/11/2021  
Supervised By :Mahesh Dadoda 11/11/2021



#22  
cis-1,2-Dichloroethene  
Concen: 1.810 ug/L  
RT: 3.918 min Scan# 895  
Delta R.T. 0.010 min  
Lab File: VV023337.D  
Acq: 10 Nov 2021 17:16

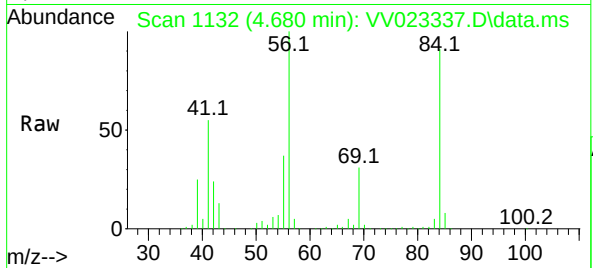
Tgt Ion: 96 Resp: 17298  
Ion Ratio Lower Upper  
96 100  
61 110.0 92.3 171.3  
68 0.0 0.4 0.8#





#30  
Cyclohexane  
Concen: 55.047 ug/L  
RT: 4.680 min Scan# 1131  
Delta R.T. 0.003 min  
Lab File: VV023337.D  
Acq: 10 Nov 2021 17:16

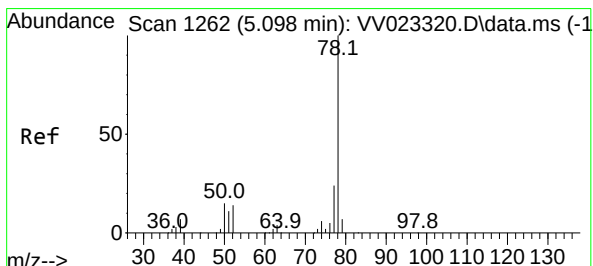
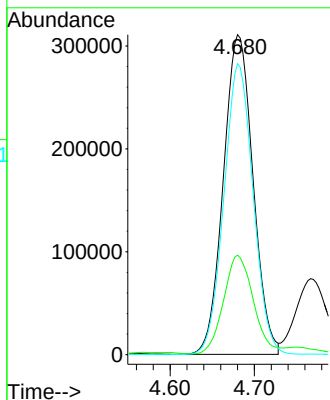
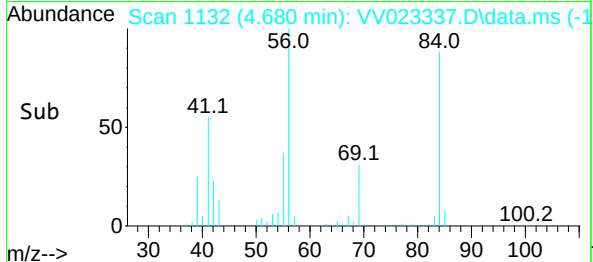
Instrument :  
MSVOA\_V  
ClientSampleId :  
GB870



Tgt Ion: 56 Resp: 759038  
Ion Ratio Lower Upper  
56 100  
69 31.0 23.5 35.3  
84 90.1 71.6 107.4

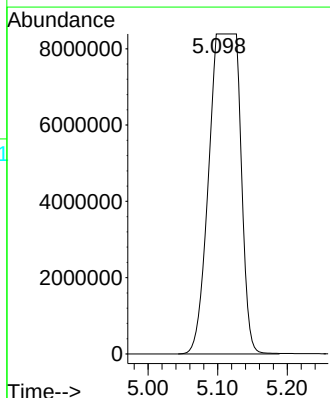
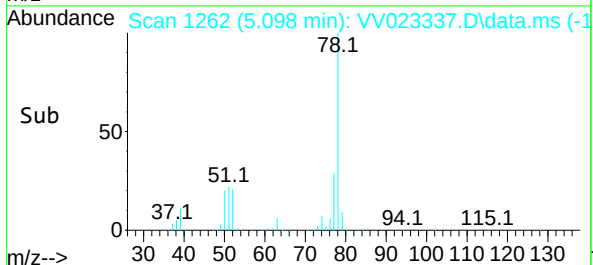
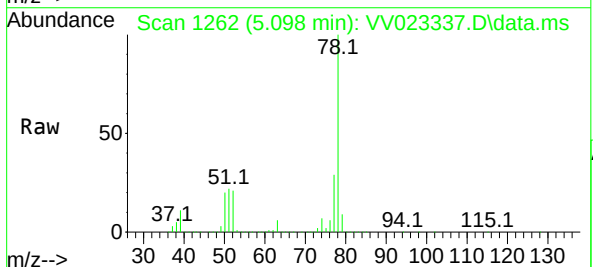
Manual Integrations  
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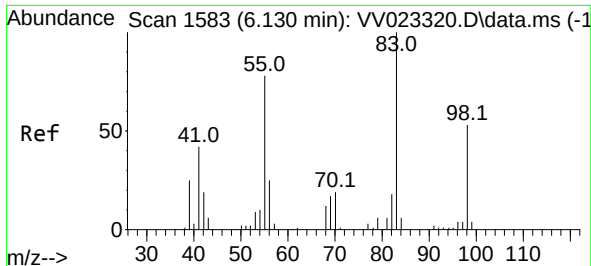
Reviewed By :John Carlone 11/11/2021  
Supervised By :Mahesh Dadoda 11/11/2021



#33  
Benzene  
Concen: 746.403 ug/L m  
RT: 5.098 min Scan# 1262  
Delta R.T. -0.000 min  
Lab File: VV023337.D  
Acq: 10 Nov 2021 17:16

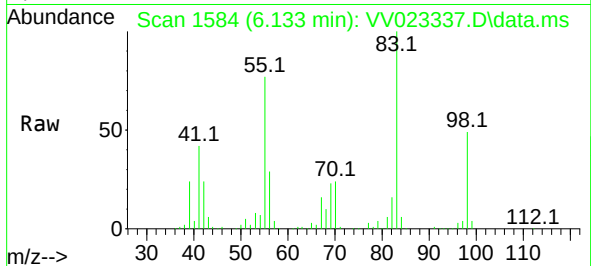
Tgt Ion: 78 Resp:26432760





#35  
Methylcyclohexane  
Concen: 8.210 ug/L  
RT: 6.133 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VV023337.D  
Acq: 10 Nov 2021 17:16

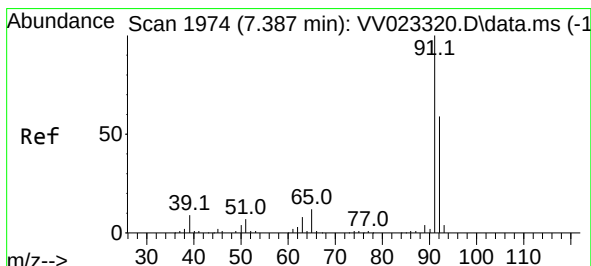
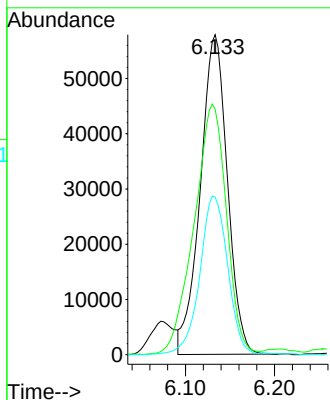
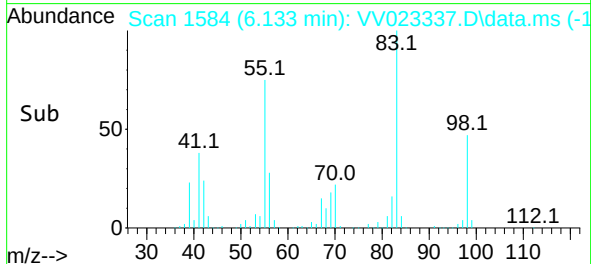
Instrument :  
MSVOA\_V  
ClientSampleId :  
GB870



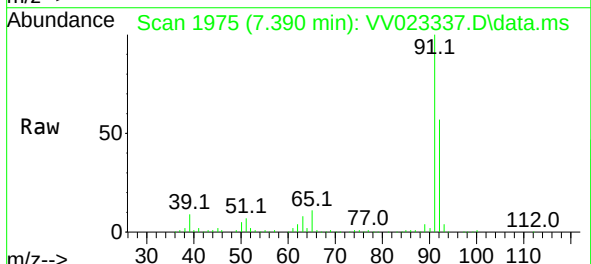
Tgt Ion: 83 Resp: 122038  
Ion Ratio Lower Upper  
83 100  
55 94.1 62.8 94.2  
98 51.2 37.9 56.9

Manual Integrations  
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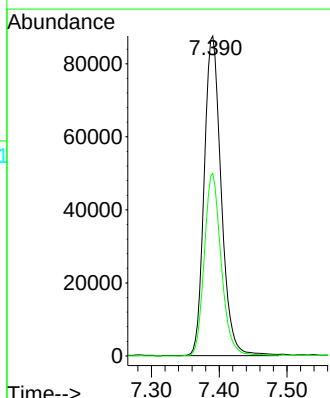
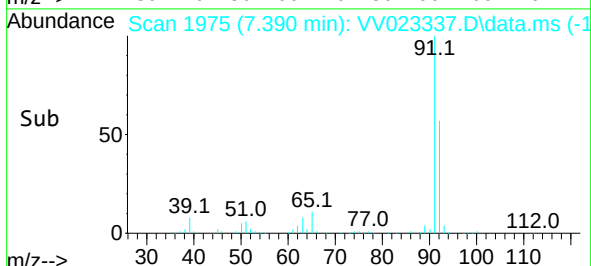
Reviewed By :John Carlone 11/11/2021  
Supervised By :Mahesh Dadoda 11/11/2021

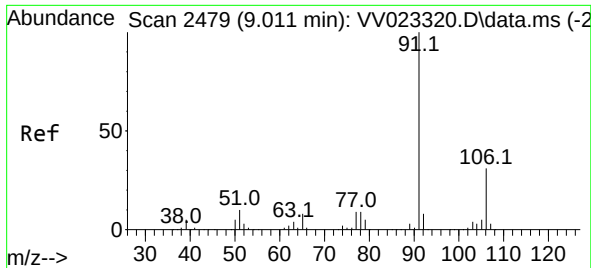


#42  
Toluene  
Concen: 4.031 ug/L  
RT: 7.390 min Scan# 1975  
Delta R.T. 0.003 min  
Lab File: VV023337.D  
Acq: 10 Nov 2021 17:16



Tgt Ion: 91 Resp: 152683  
Ion Ratio Lower Upper  
91 100  
92 57.0 39.3 72.9





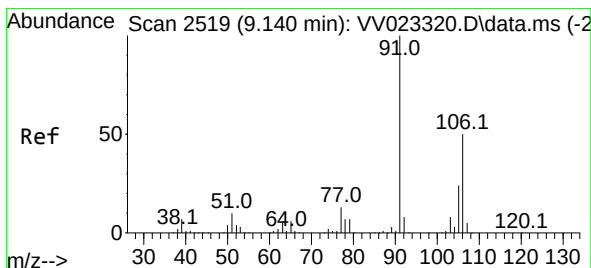
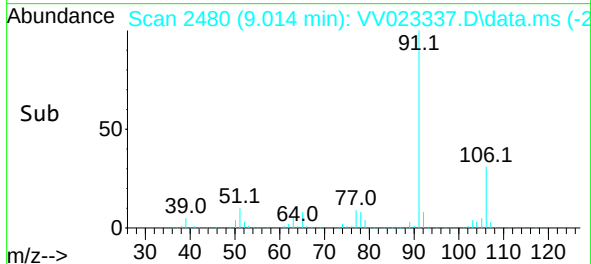
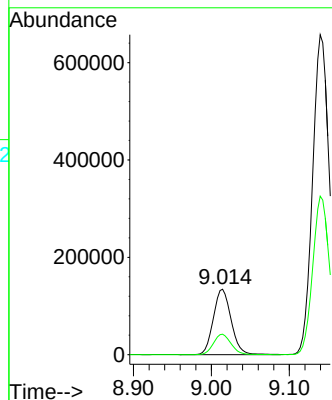
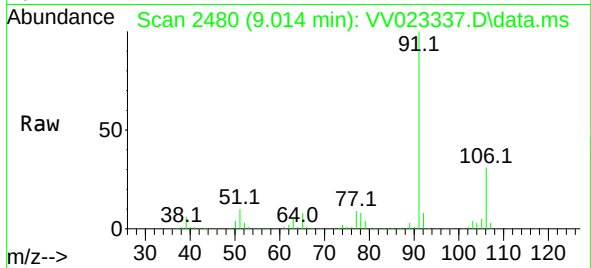
#52  
Ethylbenzene  
Concen: 5.322 ug/L  
RT: 9.014 min Scan# 2479  
Delta R.T. 0.003 min  
Lab File: VV023337.D  
Acq: 10 Nov 2021 17:16

Instrument :  
MSVOA\_V  
ClientSampleId :  
GB870

Tgt Ion: 91 Resp: 21261  
Ion Ratio Lower Upper  
91 100  
106 31.2 22.5 41.9

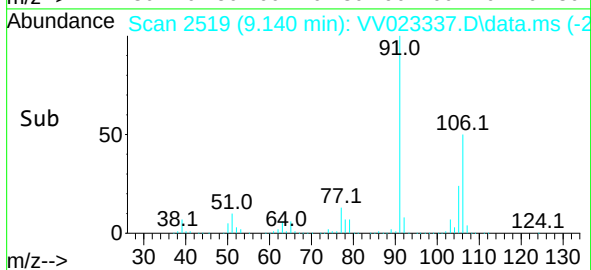
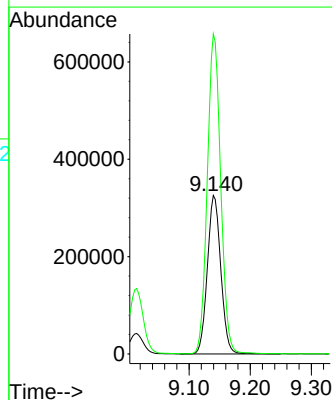
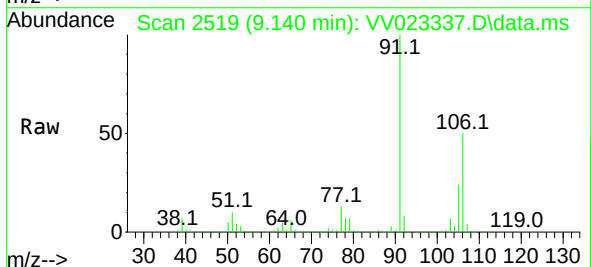
Manual Integrations  
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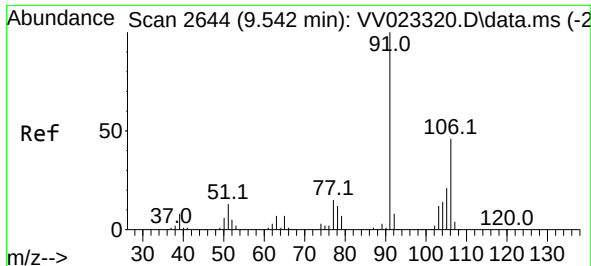
Reviewed By :John Carlone 11/11/2021  
Supervised By :Mahesh Dadoda 11/11/2021



#53  
m,p-xylene  
Concen: 31.607 ug/L  
RT: 9.140 min Scan# 2519  
Delta R.T. -0.000 min  
Lab File: VV023337.D  
Acq: 10 Nov 2021 17:16

Tgt Ion:106 Resp: 495542  
Ion Ratio Lower Upper  
106 100  
91 201.9 137.2 254.8





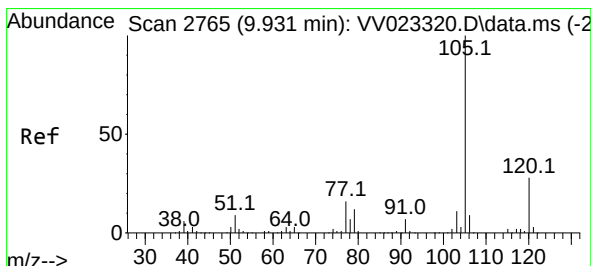
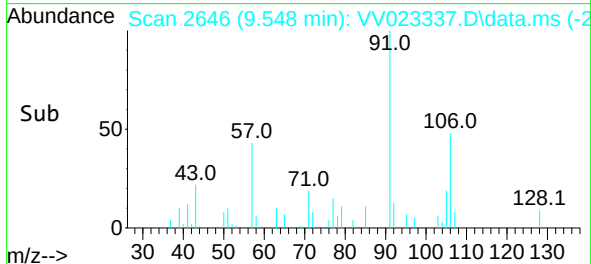
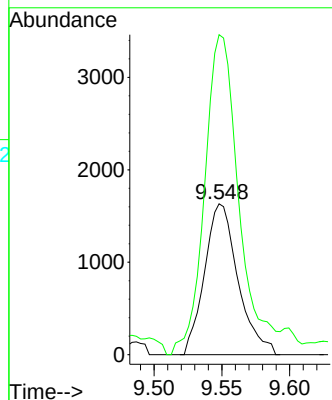
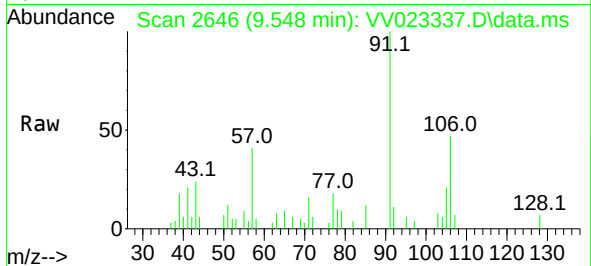
#54  
o-xylene  
Concen: 0.191 ug/L  
RT: 9.548 min Scan# 20  
Delta R.T. 0.006 min  
Lab File: VV023337.D  
Acq: 10 Nov 2021 17:16

Instrument :  
MSVOA\_V  
ClientSampleId :  
GB870

Tgt Ion:106 Resp: 280  
Ion Ratio Lower Upper  
106 100  
91 212.0 148.3 275.5

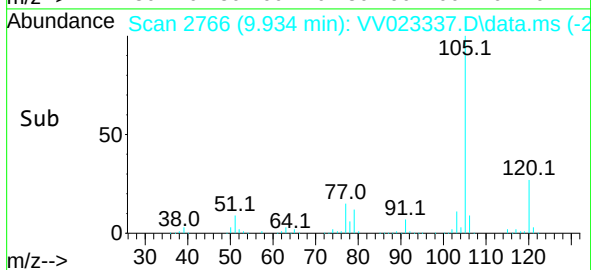
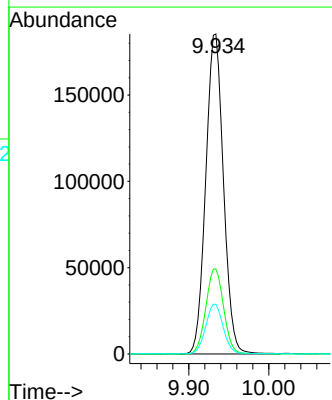
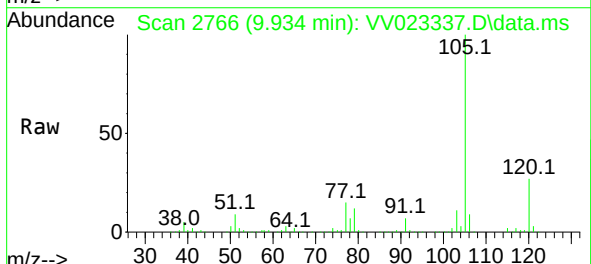
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Supervised By :Mahesh Dadoda 11/11/2021

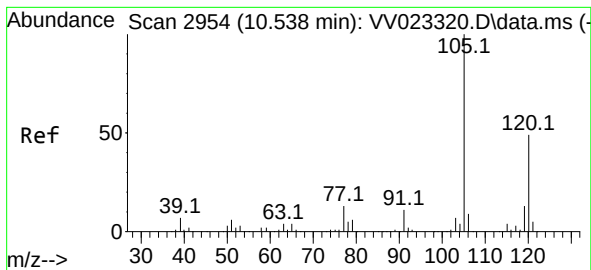


#60  
Isopropylbenzene  
Concen: 7.150 ug/L  
RT: 9.934 min Scan# 2766  
Delta R.T. 0.003 min  
Lab File: VV023337.D  
Acq: 10 Nov 2021 17:16

Tgt Ion:105 Resp: 285646  
Ion Ratio Lower Upper  
105 100  
120 26.7 21.7 32.5  
77 15.6 12.6 19.0







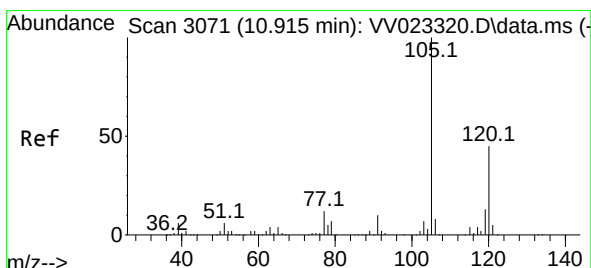
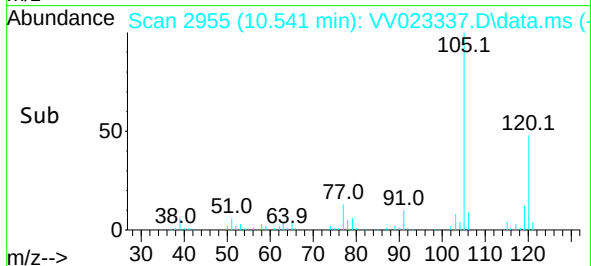
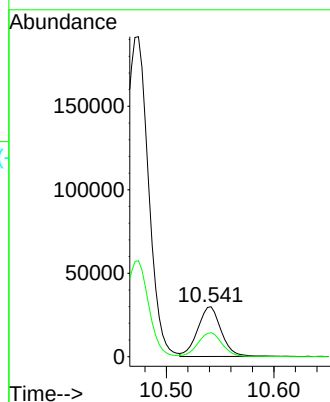
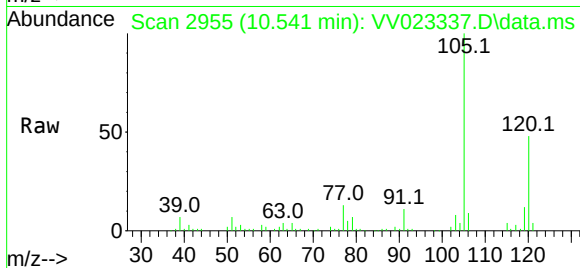
#62  
1,3,5-Trimethylbenzene  
Concen: 1.353 ug/L  
RT: 10.541 min Scan# 2954  
Delta R.T. 0.003 min  
Lab File: VV023337.D  
Acq: 10 Nov 2021 17:16

Instrument :  
MSVOA\_V  
ClientSampleId :  
GB870

Tgt Ion:105 Resp: 44802  
Ion Ratio Lower Upper  
105 100  
120 49.7 39.7 59.5

Manual Integrations  
APPROVED

Reviewed By :John Carlone 11/11/2021  
Supervised By :Mahesh Dadoda 11/11/2021



#63  
1,2,4-Trimethylbenzene  
Concen: 7.683 ug/L  
RT: 10.914 min Scan# 3071  
Delta R.T. -0.000 min  
Lab File: VV023337.D  
Acq: 10 Nov 2021 17:16

Tgt Ion:105 Resp: 253291  
Ion Ratio Lower Upper  
105 100  
120 45.9 37.4 56.2

