

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV081222\  
 Data File : VV027355.D  
 Acq On : 13 Aug 2022 03:03  
 Operator : SY/MD  
 Sample : N4115-13  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F5D78

### Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 08/14/2022  
 Supervised By : Mahesh Dadoda 08/14/2022

Quant Time: Aug 13 04:20:28 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR081122WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Aug 13 02:46:03 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 5.616  | 114            | 144684   | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 8.850  | 117            | 155288   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152            | 68246    | 5.000  | ug/L     | 0.00     |
|                               |        |                |          |        |          |          |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.301  | 65             | 47348    | 3.767  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 75.400%  |          |
| 7) Chloroethane-d5            | 1.564  | 69             | 39293    | 4.304  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 86.000%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.101  | 63             | 67151m   | 2.946  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 59.000%# |          |
| 20) 2-Butanone-d5             | 3.889  | 46             | 110438   | 51.877 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 103.760% |          |
| 24) Chloroform-d              | 4.346  | 84             | 102687   | 4.454  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 89.000%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.031  | 65             | 49716    | 4.527  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 90.600%  |          |
| 32) Benzene-d6                | 5.047  | 84             | 178987   | 3.907  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 78.200%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.066  | 67             | 63447    | 4.480  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 89.600%  |          |
| 41) Toluene-d8                | 7.313  | 98             | 144001   | 3.434  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 68.600%# |          |
| 43) trans-1,3-Dichloroprop... | 7.622  | 79             | 15674    | 3.195  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 63.800%  |          |
| 46) 2-Hexanone-d5             | 8.088  | 63             | 82405    | 43.402 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 86.800%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214 | 84             | 47865    | 4.671  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 93.400%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152            | 56387    | 4.787  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 95.800%  |          |
|                               |        |                |          |        |          |          |
| Target Compounds              |        |                |          |        |          |          |
| 5) Vinyl chloride             | 1.307  | 62             | 9572     | 0.597  | ug/L #   | 64       |
| 18) trans-1,2-Dichloroethene  | 2.757  | 96             | 2356     | 0.184  | ug/L     | 92       |
| 22) cis-1,2-Dichloroethene    | 3.908  | 96             | 3437     | 0.273  | ug/L     | 96       |
| 33) Benzene                   | 5.098  | 78             | 28235    | 0.532  | ug/L     | 100      |
| 52) Ethylbenzene              | 9.017  | 91             | 7934     | 0.149  | ug/L     | 95       |
| 53) m,p-Xylene                | 9.140  | 106            | 12247    | 0.604  | ug/L     | 98       |
| 54) o-Xylene                  | 9.548  | 106            | 2873     | 0.145  | ug/L     | 97       |
| 63) 1,2,4-Trimethylbenzene    | 10.918 | 105            | 4173     | 0.123  | ug/L     | 96       |
| -----                         |        |                |          |        |          |          |

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

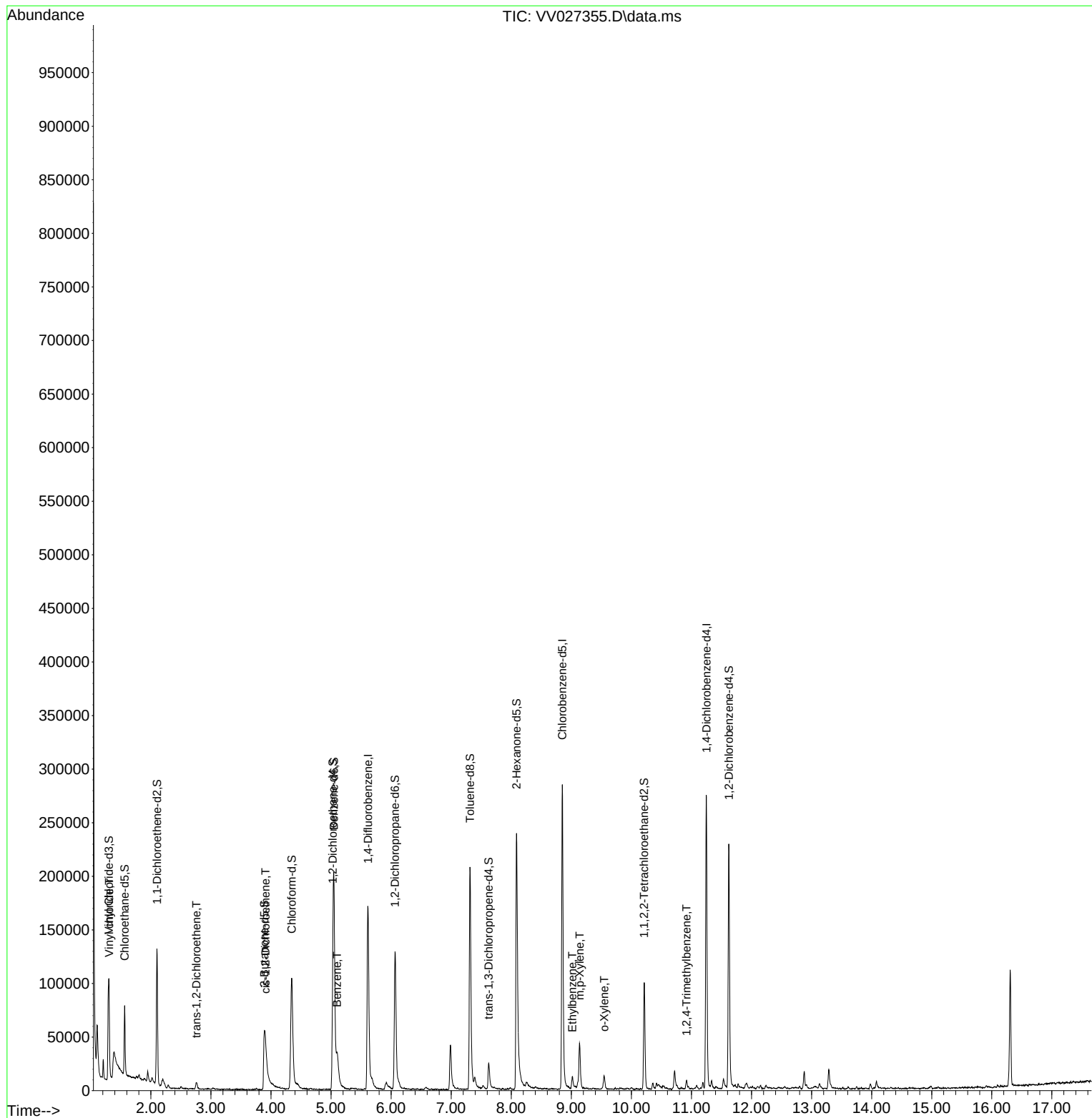
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV081222\  
Data File : VV027355.D  
Acq On : 13 Aug 2022 03:03  
Operator : SY/MD  
Sample : N4115-13  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 1 Sample Multiplier: 1

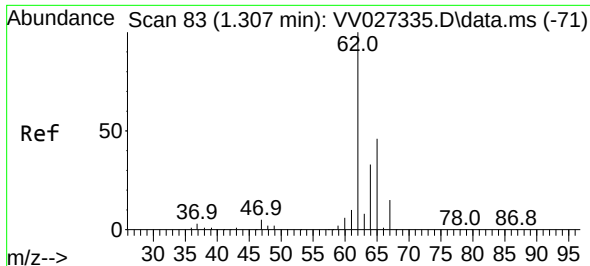
Instrument :  
MSVOA\_V  
ClientSampleId :  
F5D78

Manual Integrations  
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Supervised By :Mahesh Dadoda 08/14/2022

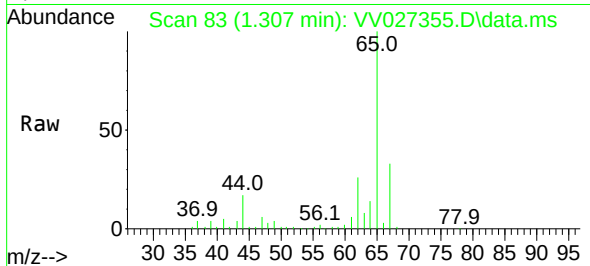
Quant Time: Aug 13 04:20:28 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR081122WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Sat Aug 13 02:46:03 2022  
Response via : Initial Calibration





#5  
 Vinyl chloride  
 Concen: 0.597 ug/L  
 RT: 1.307 min Scan# 81  
 Delta R.T. -0.000 min  
 Lab File: VV027355.D  
 Acq: 13 Aug 2022 03:03

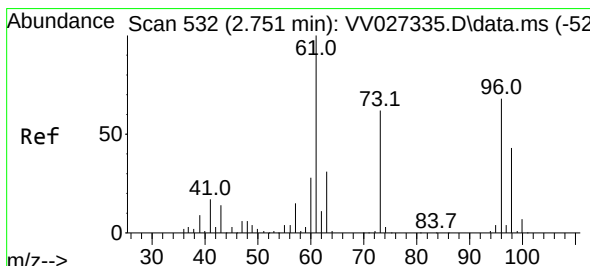
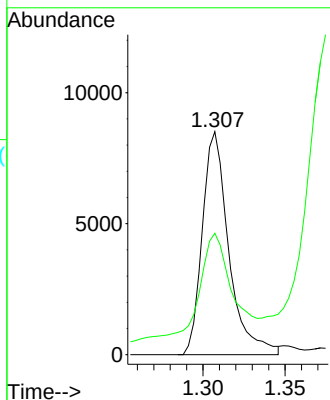
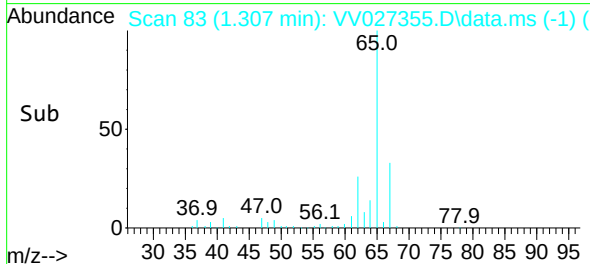
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
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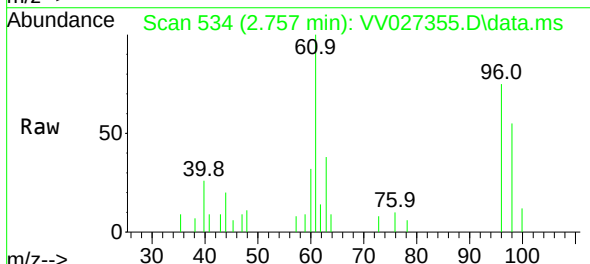
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 Ion Ratio Lower Upper  
 62 100  
 64 54.5 23.7 44.1

Manual Integrations  
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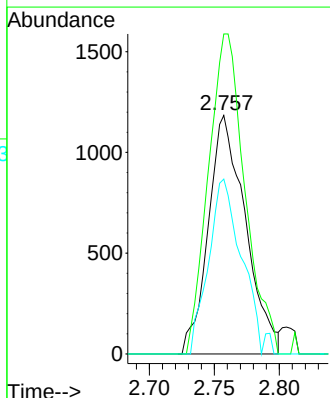
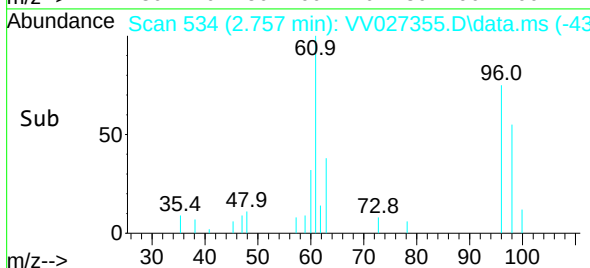
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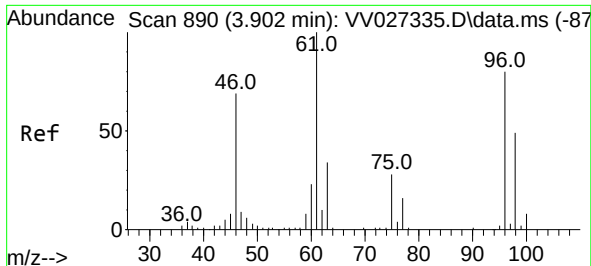


#18  
 trans-1,2-Dichloroethene  
 Concen: 0.184 ug/L  
 RT: 2.757 min Scan# 534  
 Delta R.T. 0.006 min  
 Lab File: VV027355.D  
 Acq: 13 Aug 2022 03:03



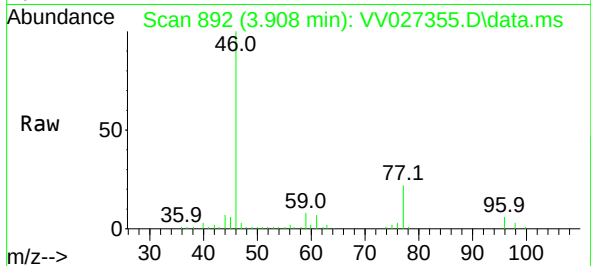
Tgt Ion: 96 Resp: 2356  
 Ion Ratio Lower Upper  
 96 100  
 61 134.1 99.6 185.0  
 98 73.3 45.1 83.7





#22  
 cis-1,2-Dichloroethene  
 Concen: 0.273 ug/L  
 RT: 3.908 min Scan# 890  
 Delta R.T. 0.006 min  
 Lab File: VV027355.D  
 Acq: 13 Aug 2022 03:03

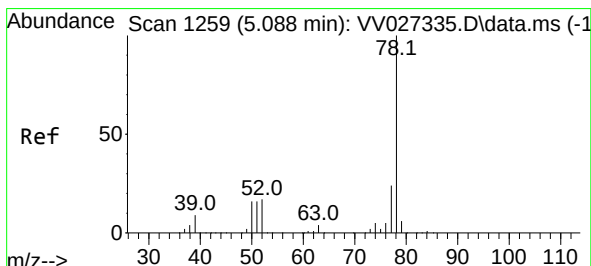
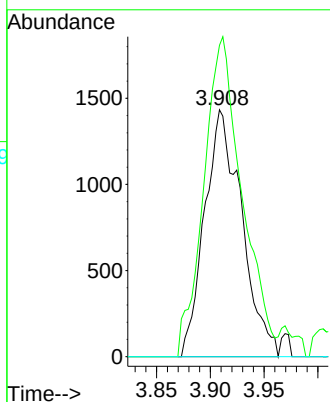
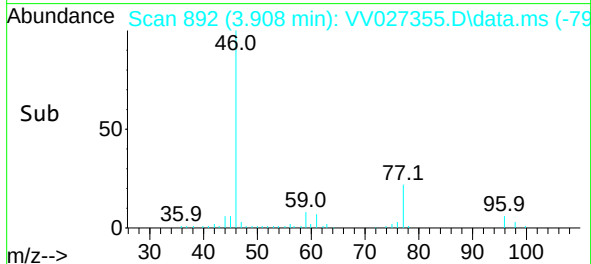
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F5D78



Tgt Ion: 96 Resp: 343  
 Ion Ratio Lower Upper  
 96 100  
 61 126.2 91.3 169.5  
 68 0.0 0.0 0.0

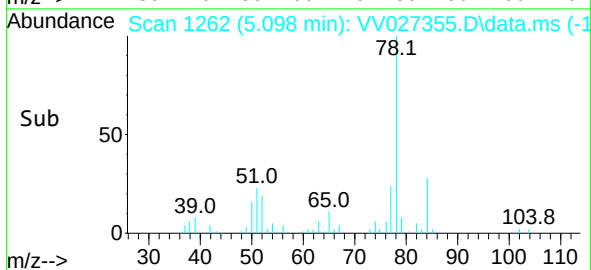
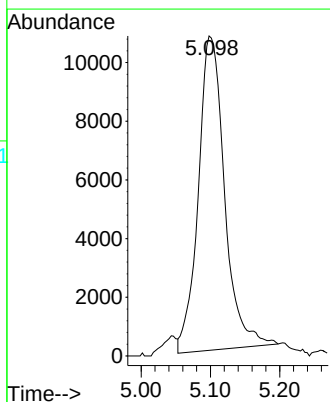
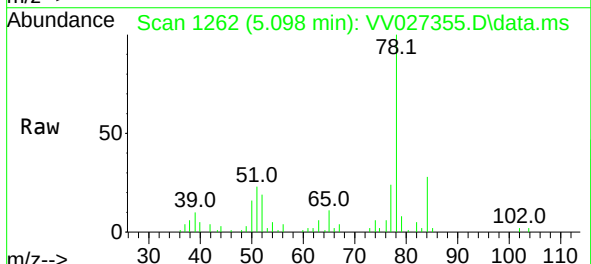
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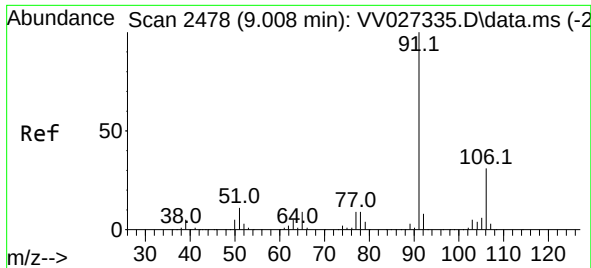
Reviewed By :Semsettin Yesilyurt 08/14/2022  
 Supervised By :Mahesh Dadoda 08/14/2022



#33  
 Benzene  
 Concen: 0.532 ug/L  
 RT: 5.098 min Scan# 1262  
 Delta R.T. 0.010 min  
 Lab File: VV027355.D  
 Acq: 13 Aug 2022 03:03

Tgt Ion: 78 Resp: 28235





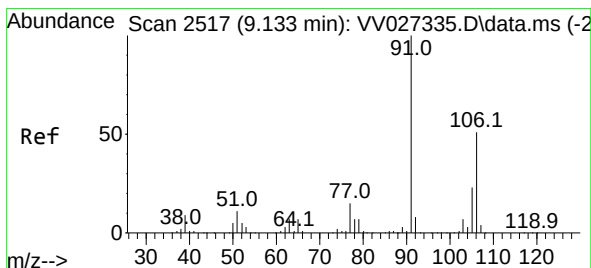
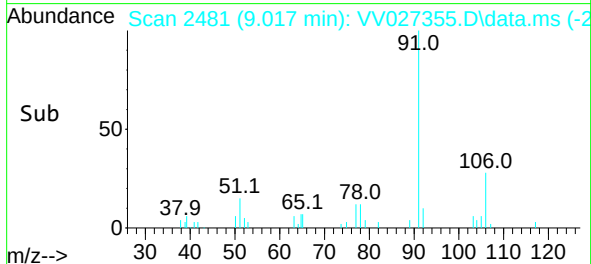
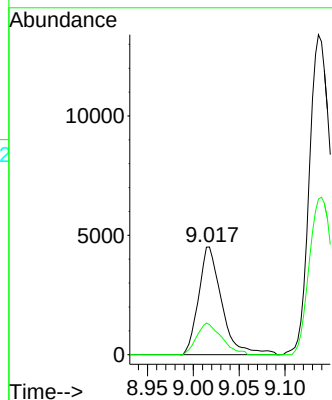
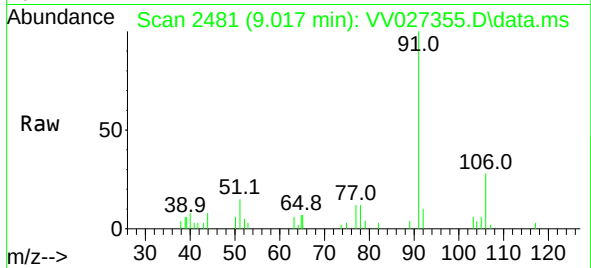
#52  
Ethylbenzene  
Concen: 0.149 ug/L  
RT: 9.017 min Scan# 2478  
Delta R.T. 0.010 min  
Lab File: VV027355.D  
Acq: 13 Aug 2022 03:03

Instrument :  
MSVOA\_V  
ClientSampleId :  
F5D78

Tgt Ion: 91 Resp: 7934  
Ion Ratio Lower Upper  
91 100  
106 27.9 21.5 39.9

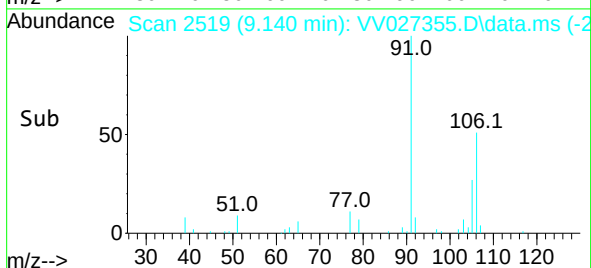
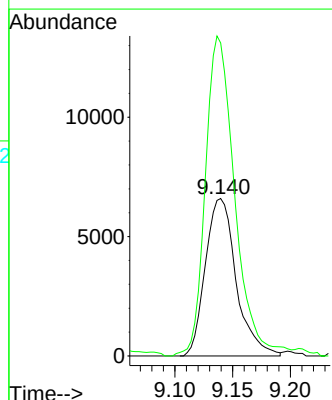
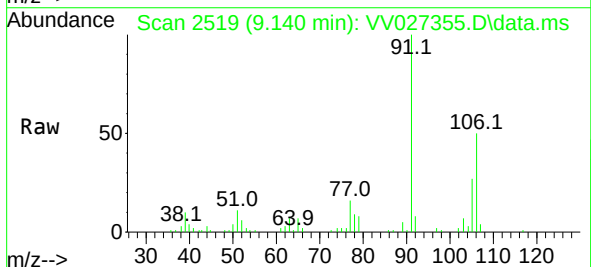
Manual Integrations  
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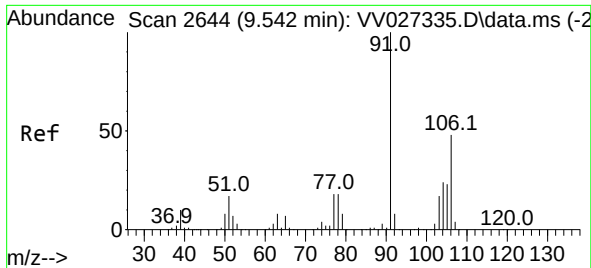
Reviewed By :Semsettin Yesilyurt 08/14/2022  
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#53  
m,p-Xylene  
Concen: 0.604 ug/L  
RT: 9.140 min Scan# 2519  
Delta R.T. 0.006 min  
Lab File: VV027355.D  
Acq: 13 Aug 2022 03:03

Tgt Ion:106 Resp: 12247  
Ion Ratio Lower Upper  
106 100  
91 198.8 141.5 262.9





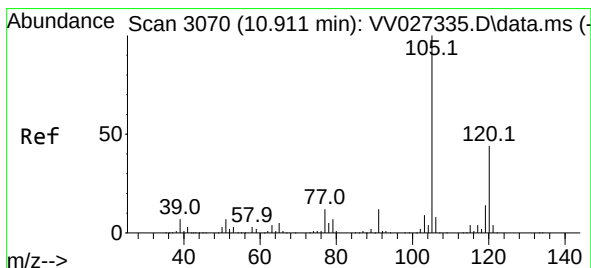
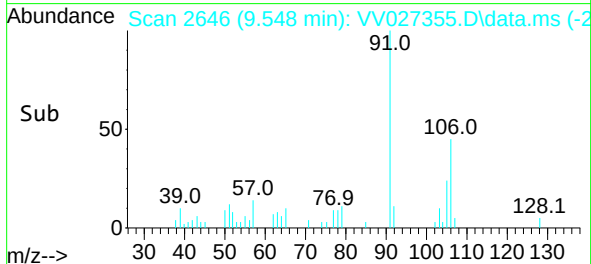
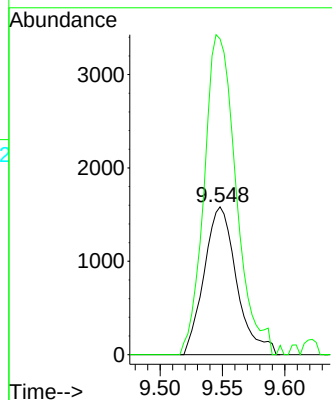
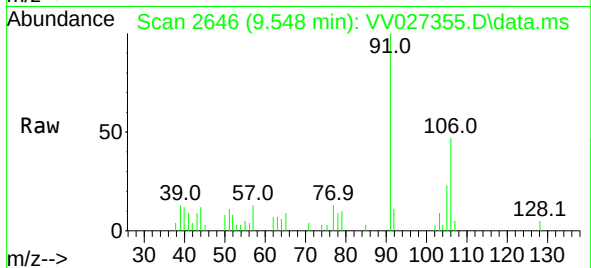
#54  
o-Xylene  
Concen: 0.145 ug/L  
RT: 9.548 min Scan# 2646  
Delta R.T. 0.006 min  
Lab File: VV027355.D  
Acq: 13 Aug 2022 03:03

Instrument :  
MSVOA\_V  
ClientSampleId :  
F5D78

Tgt Ion:106 Resp: 287  
Ion Ratio Lower Upper  
106 100  
91 213.6 153.2 284.4

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#63  
1,2,4-Trimethylbenzene  
Concen: 0.123 ug/L  
RT: 10.918 min Scan# 3072  
Delta R.T. 0.006 min  
Lab File: VV027355.D  
Acq: 13 Aug 2022 03:03

Tgt Ion:105 Resp: 4173  
Ion Ratio Lower Upper  
105 100  
120 42.8 36.2 54.2

