

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU012825\  
 Data File : VU063073.D  
 Acq On : 28 Jan 2025 17:43  
 Operator : MD/SY  
 Sample : Q1196-01DL 5X  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 E2964DL

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 01/29/2025  
 Supervised By : Mahesh Dadoda 01/30/2025

Quant Time: Jan 29 09:39:45 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR012725WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Jan 29 08:16:38 2025  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.238          | 114  | 109582     | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.409          | 117  | 101877     | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804         | 152  | 63036      | 5.000    | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.589          | 65   | 12778      | 3.244    | ug/L   | 0.00     |
| Spiked Amount 5.000           | Range 40 - 130 |      | Recovery = | 64.800%  |        |          |
| 7) Chloroethane-d5            | 1.901          | 69   | 13745      | 4.596    | ug/L   | 0.00     |
| Spiked Amount 5.000           | Range 65 - 130 |      | Recovery = | 92.000%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.554          | 65   | 10330      | 4.385    | ug/L   | 0.00     |
| Spiked Amount 5.000           | Range 60 - 125 |      | Recovery = | 87.600%  |        |          |
| 20) 2-Butanone-d5             | 4.628          | 46   | 61929      | 54.167   | ug/L   | 0.03     |
| Spiked Amount 50.000          | Range 40 - 130 |      | Recovery = | 108.340% |        |          |
| 24) Chloroform-d              | 5.049          | 84   | 68061      | 4.350    | ug/L   | 0.00     |
| Spiked Amount 5.000           | Range 70 - 125 |      | Recovery = | 87.000%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.689          | 65   | 41991      | 4.701    | ug/L   | 0.00     |
| Spiked Amount 5.000           | Range 70 - 130 |      | Recovery = | 94.000%  |        |          |
| 32) Benzene-d6                | 5.714          | 84   | 109918     | 4.722    | ug/L   | 0.00     |
| Spiked Amount 5.000           | Range 70 - 125 |      | Recovery = | 94.400%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.679          | 67   | 30438      | 5.135    | ug/L   | 0.00     |
| Spiked Amount 5.000           | Range 60 - 140 |      | Recovery = | 102.600% |        |          |
| 41) Toluene-d8                | 7.888          | 98   | 109723     | 4.767    | ug/L   | 0.00     |
| Spiked Amount 5.000           | Range 70 - 130 |      | Recovery = | 95.400%  |        |          |
| 43) trans-1,3-Dichloroprop... | 8.171          | 79   | 18314      | 4.990    | ug/L   | 0.00     |
| Spiked Amount 5.000           | Range 55 - 130 |      | Recovery = | 99.800%  |        |          |
| 46) 2-Hexanone-d5             | 8.624          | 63   | 55859      | 61.006   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 45 - 130 |      | Recovery = | 122.020% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746         | 84   | 31415      | 5.581    | ug/L   | 0.00     |
| Spiked Amount 5.000           | Range 65 - 120 |      | Recovery = | 111.600% |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.184         | 152  | 52542      | 4.656    | ug/L   | 0.00     |
| Spiked Amount 5.000           | Range 80 - 120 |      | Recovery = | 93.200%  |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          | Qvalue |          |
| 13) Acetone                   | 2.641          | 43   | 8047m      | 10.885   | ug/L   |          |
| 33) Benzene                   | 5.759          | 78   | 5958       | 0.241    | ug/L   | 100      |
| 40) 4-Methyl-2-pentanone      | 7.788          | 43   | 3291       | 1.229    | ug/L # | 81       |
| 42) Toluene                   | 7.962          | 91   | 32862      | 1.120    | ug/L   | 96       |
| 47) Tetrachloroethene         | 8.541          | 164  | 53245      | 7.299    | ug/L   | 94       |
| 52) Ethylbenzene              | 9.563          | 91   | 11420      | 0.334    | ug/L   | 97       |
| 53) m,p-Xylene                | 9.685          | 106  | 12986      | 0.984    | ug/L   | 98       |
| 54) o-Xylene                  | 10.090         | 106  | 8178       | 0.676    | ug/L   | 89       |
| 63) 1,2,4-Trimethylbenzene    | 11.460         | 105  | 10378      | 0.313    | ug/L   | 95       |
| -----                         |                |      |            |          |        |          |

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

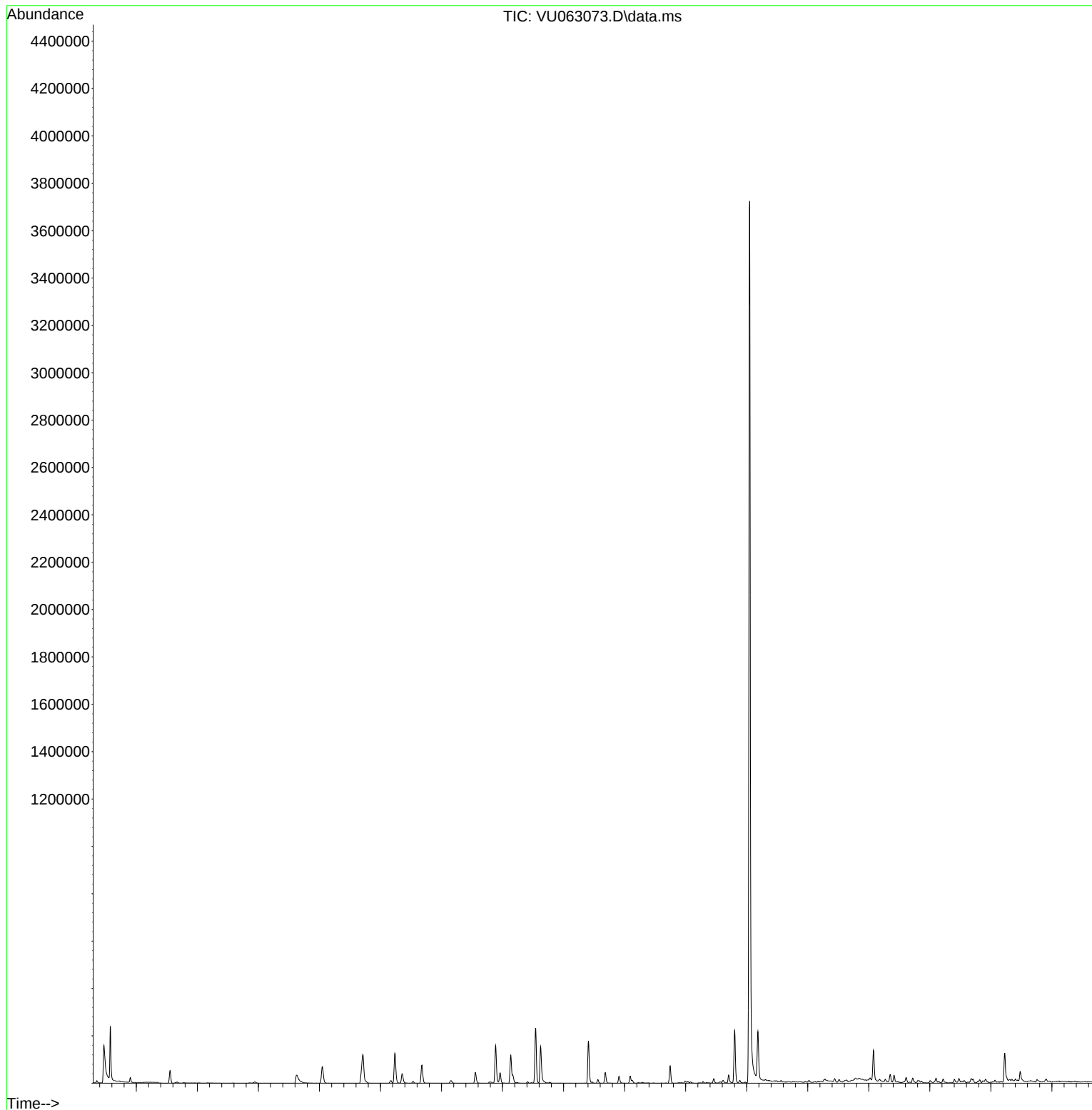
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU012825\  
Data File : VU063073.D  
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ALS Vial : 17 Sample Multiplier: 1

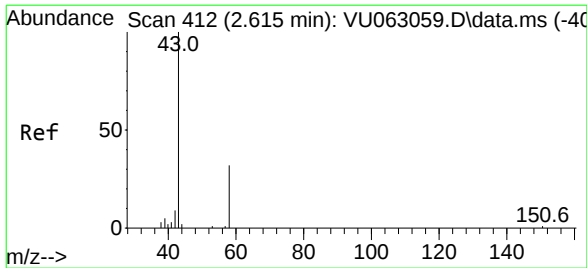
Instrument :  
MSVOA\_U  
ClientSampleId :  
E2964DL

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR012725WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Wed Jan 29 08:16:38 2025  
Response via : Initial Calibration





#13

Acetone

Concen: 10.885 ug/L m

RT: 2.641 min Scan# 42

Delta R.T. 0.029 min

Lab File: VU063073.D

Acq: 28 Jan 2025 17:43

Instrument :

MSVOA\_U

ClientSampleId :

E2964DL

Tgt Ion: 43 Resp: 8047

Ion Ratio Lower Upper

43 100

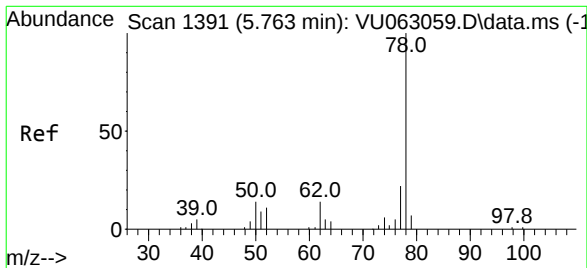
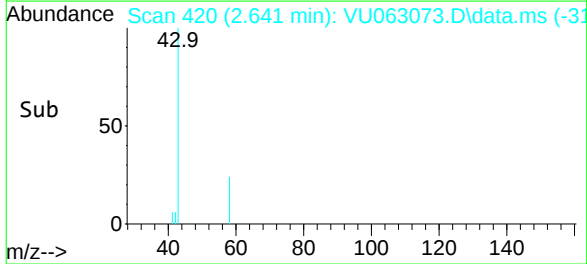
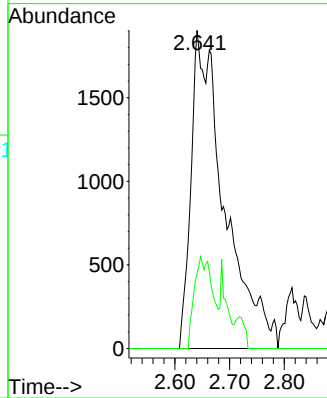
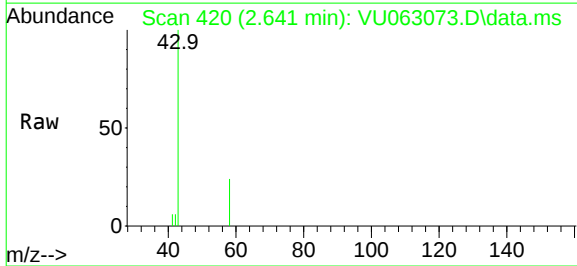
58 8.6 0.0 64.4

Manual Integrations

APPROVED

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#33

Benzene

Concen: 0.241 ug/L

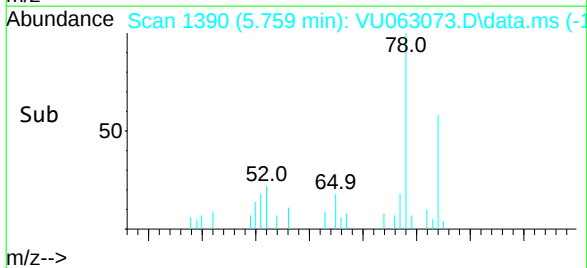
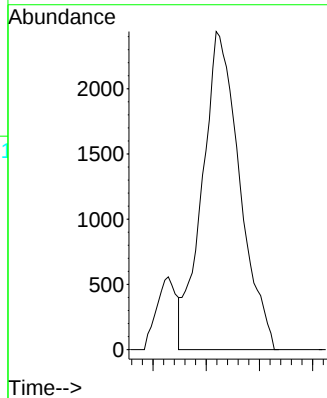
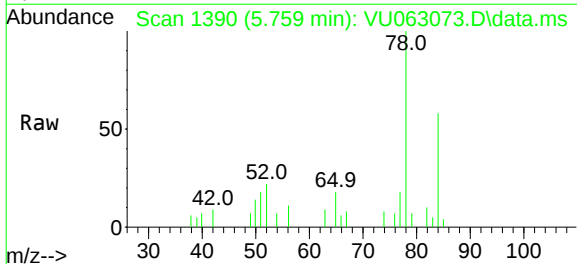
RT: 5.759 min Scan# 1390

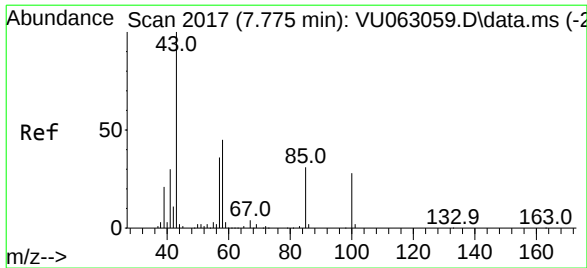
Delta R.T. -0.000 min

Lab File: VU063073.D

Acq: 28 Jan 2025 17:43

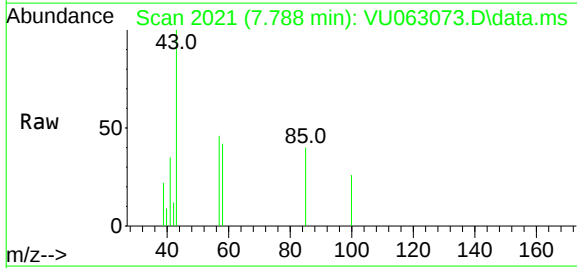
Tgt Ion: 78 Resp: 5958





#40  
4-Methyl-2-pentanone  
Concen: 1.229 ug/L  
RT: 7.788 min Scan# 2075  
Delta R.T. 0.013 min  
Lab File: VU063073.D  
Acq: 28 Jan 2025 17:43

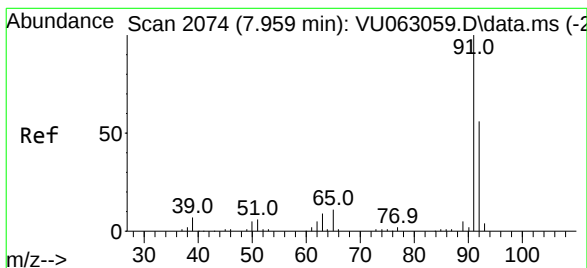
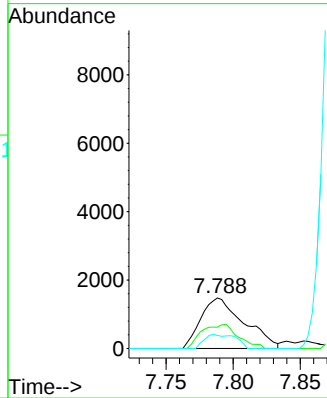
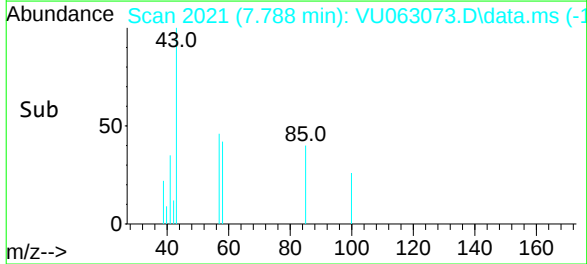
Instrument :  
MSVOA\_U  
ClientSampleId :  
E2964DL



Tgt Ion: 43 Resp: 3291  
Ion Ratio Lower Upper  
43 100  
58 40.4 35.8 53.8  
100 0.0 16.8 25.2#

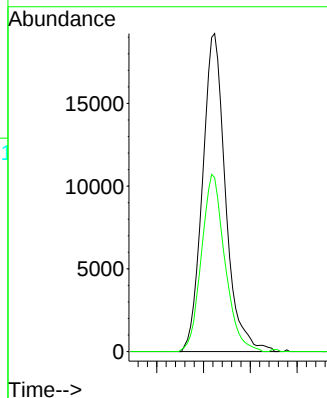
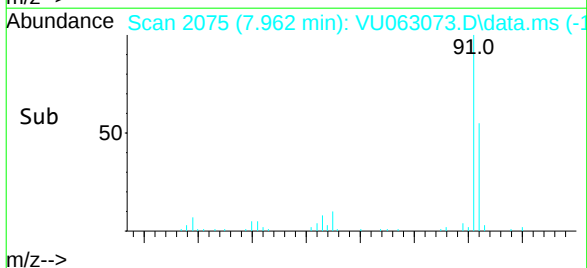
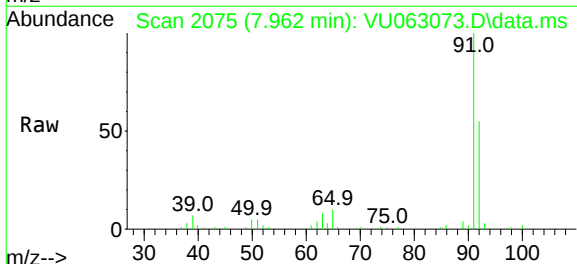
Manual Integrations  
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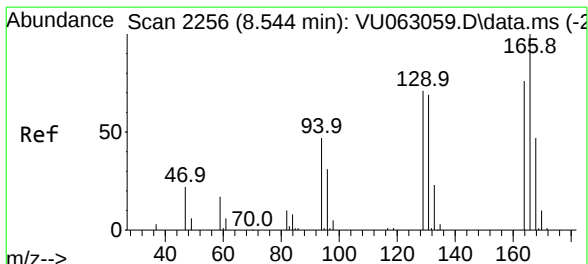
Reviewed By :John Carlone 01/29/2025  
Supervised By :Mahesh Dadoda 01/30/2025



#42  
Toluene  
Concen: 1.120 ug/L  
RT: 7.962 min Scan# 2075  
Delta R.T. 0.003 min  
Lab File: VU063073.D  
Acq: 28 Jan 2025 17:43

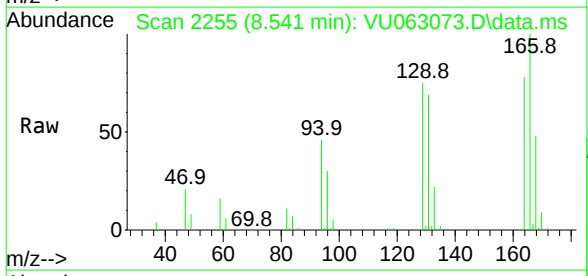
Tgt Ion: 91 Resp: 32862  
Ion Ratio Lower Upper  
91 100  
92 54.7 40.4 75.0





#47  
 Tetrachloroethene  
 Concen: 7.299 ug/L  
 RT: 8.541 min Scan# 2256  
 Delta R.T. -0.000 min  
 Lab File: VU063073.D  
 Acq: 28 Jan 2025 17:43

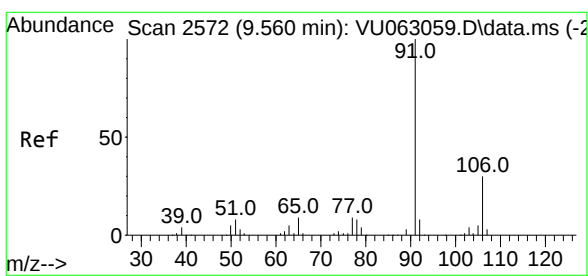
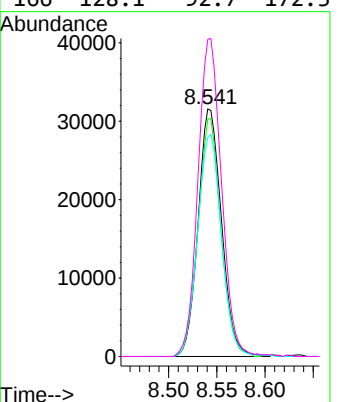
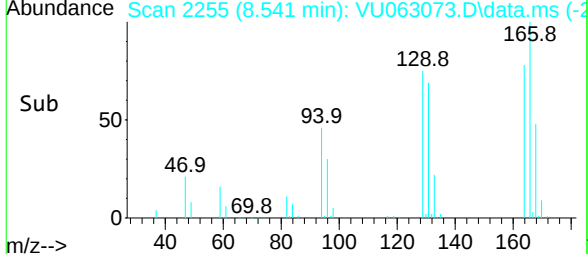
Instrument : MSVOA\_U  
 ClientSampleId : E2964DL



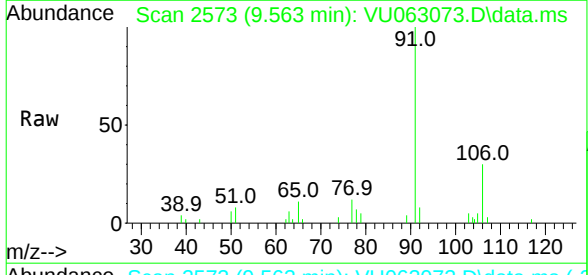
Tgt Ion: 164 Resp: 53245

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 95.9  | 71.0  | 131.9 |
| 131 | 88.6  | 69.4  | 129.0 |
| 166 | 128.1 | 92.7  | 172.3 |

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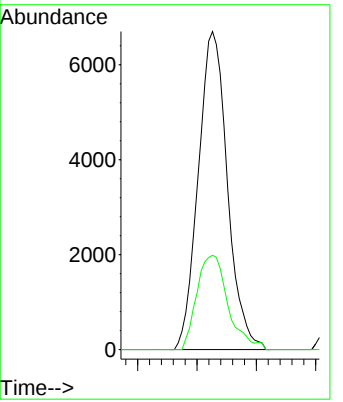
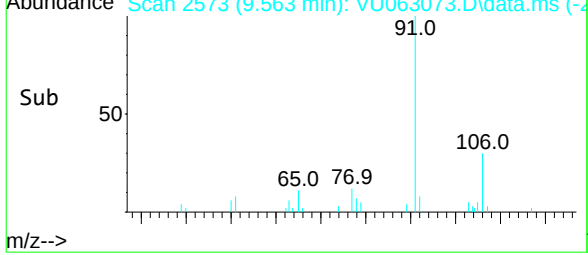


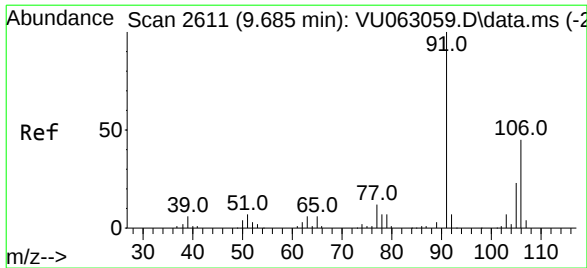
#52  
 Ethylbenzene  
 Concen: 0.334 ug/L  
 RT: 9.563 min Scan# 2573  
 Delta R.T. 0.003 min  
 Lab File: VU063073.D  
 Acq: 28 Jan 2025 17:43



Tgt Ion: 91 Resp: 11420

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 106 | 29.6  | 21.9  | 40.7  |





#53

m,p-Xylene

Concen: 0.984 ug/L

RT: 9.685 min Scan# 2611

Delta R.T. 0.003 min

Lab File: VU063073.D

Acq: 28 Jan 2025 17:43

Instrument :

MSVOA\_U

ClientSampleId :

E2964DL

Tgt Ion:106 Resp: 12986

Ion Ratio Lower Upper

106 100

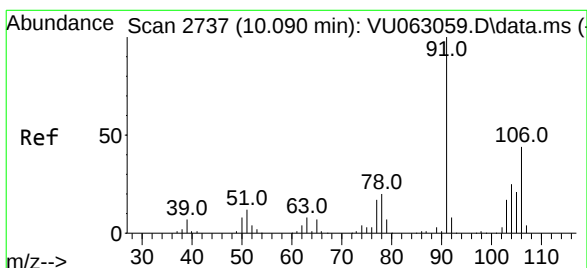
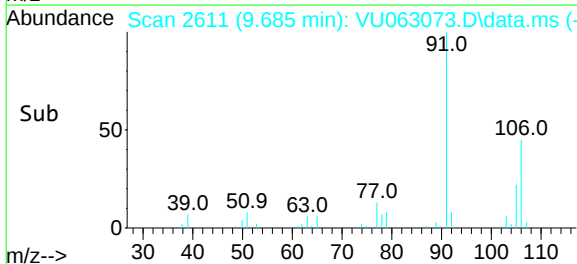
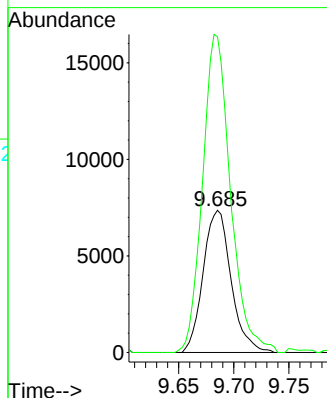
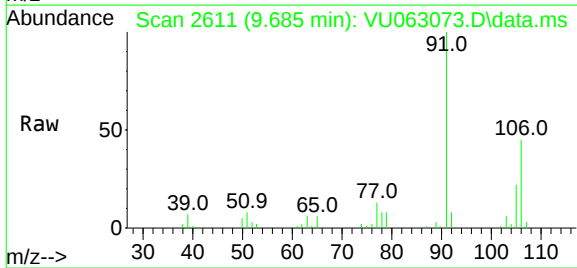
91 222.0 153.1 284.3

Manual Integrations

APPROVED

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#54

o-Xylene

Concen: 0.676 ug/L

RT: 10.090 min Scan# 2737

Delta R.T. -0.000 min

Lab File: VU063073.D

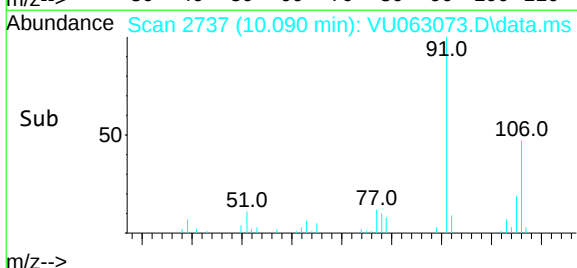
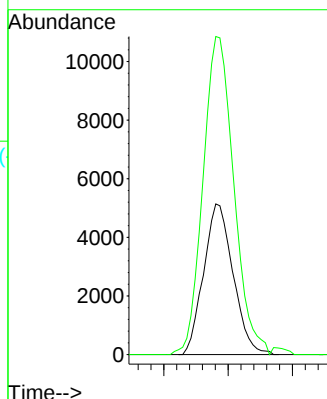
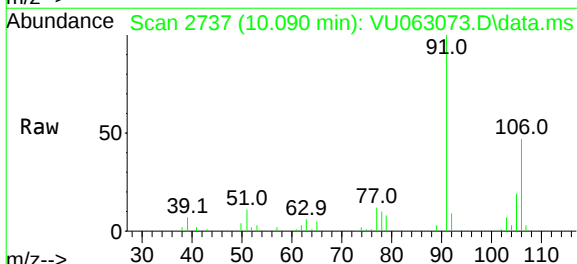
Acq: 28 Jan 2025 17:43

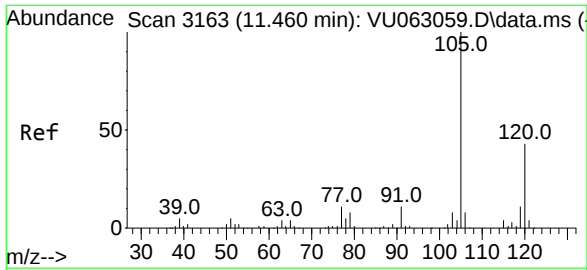
Tgt Ion:106 Resp: 8178

Ion Ratio Lower Upper

106 100

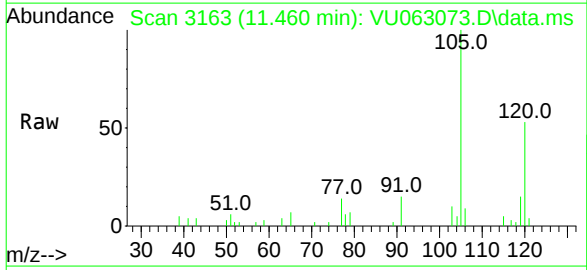
91 211.1 160.4 297.8





#63  
1,2,4-Trimethylbenzene  
Concen: 0.313 ug/L  
RT: 11.460 min Scan# 3163  
Delta R.T. 0.003 min  
Lab File: VU063073.D  
Acq: 28 Jan 2025 17:43

Instrument :  
MSVOA\_U  
ClientSampleId :  
E2964DL



Tgt Ion:105 Resp: 10378  
Ion Ratio Lower Upper  
105 100  
120 46.1 34.2 51.2

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