

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU102622\  
 Data File : VU051517.D  
 Acq On : 26 Oct 2022 21:53  
 Operator : JC/MD  
 Sample : N5300-02  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BHA73

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 10/27/2022  
 Supervised By :Mahesh Dadoda 10/31/2022

Quant Time: Oct 27 08:24:03 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR100722WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Oct 27 08:11:03 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon           | Response  | Conc    | Units     | Dev(Min) |
|-------------------------------|--------|----------------|-----------|---------|-----------|----------|
| -----                         |        |                |           |         |           |          |
| Internal Standards            |        |                |           |         |           |          |
| 1) 1,4-Difluorobenzene        | 6.250  | 114            | 244034    | 5.000   | ug/L      | 0.00     |
| 28) Chlorobenzene-d5          | 9.417  | 117            | 247277    | 5.000   | ug/L      | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809 | 152            | 132180    | 5.000   | ug/L      | # 0.00   |
| System Monitoring Compounds   |        |                |           |         |           |          |
| 4) Vinyl Chloride-d3          | 1.597  | 65             | 89405     | 4.542   | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery  | =       | 90.800%   |          |
| 7) Chloroethane-d5            | 1.909  | 69             | 75631     | 4.472   | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery  | =       | 89.400%   |          |
| 11) 1,1-Dichloroethene-d2     | 2.562  | 65             | 30826     | 3.961   | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery  | =       | 79.200%   |          |
| 20) 2-Butanone-d5             | 4.620  | 46             | 223106    | 51.479  | ug/L      | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery  | =       | 102.960%  |          |
| 24) Chloroform-d              | 5.060  | 84             | 143588    | 3.913   | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery  | =       | 78.200%   |          |
| 26) 1,2-Dichloroethane-d4     | 5.710  | 65             | 81872     | 4.326   | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery  | =       | 86.600%   |          |
| 32) Benzene-d6                | 5.735  | 84             | 312973    | 4.601   | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery  | =       | 92.000%   |          |
| 36) 1,2-Dichloropropane-d6    | 6.690  | 67             | 99159     | 4.292   | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery  | =       | 85.800%   |          |
| 41) Toluene-d8                | 7.896  | 98             | 270241    | 4.440   | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery  | =       | 88.800%   |          |
| 43) trans-1,3-Dichloroprop... | 8.179  | 79             | 31725     | 4.180   | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery  | =       | 83.600%   |          |
| 46) 2-Hexanone-d5             | 8.629  | 63             | 204305    | 79.866  | ug/L      | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery  | =       | 159.740%# |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.754 | 84             | 105630    | 5.724   | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery  | =       | 114.400%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.192 | 152            | 107185    | 4.665   | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery  | =       | 93.400%   |          |
| Target Compounds              |        |                |           |         |           |          |
|                               |        |                |           |         | Qvalue    |          |
| 13) Acetone                   | 2.623  | 43             | 40856     | 12.569  | ug/L      | 100      |
| 14) Carbon disulfide          | 2.790  | 76             | 14971     | 0.275   | ug/L      | 96       |
| 18) trans-1,2-Dichloroethene  | 3.356  | 96             | 1746      | 0.093   | ug/L      | 87       |
| 19) 1,1-Dichloroethane        | 3.864  | 63             | 12499     | 0.324   | ug/L      | 95       |
| 22) cis-1,2-Dichloroethene    | 4.665  | 96             | 6032      | 0.291   | ug/L      | 94       |
| 30) Cyclohexane               | 5.388  | 56             | 105172    | 4.185   | ug/L      | 96       |
| 33) Benzene                   | 5.755  | 78             | 43349508m | 525.116 | ug/L      |          |
| 35) Methylcyclohexane         | 6.761  | 83             | 184306    | 7.093   | ug/L      | 98       |
| 42) Toluene                   | 7.967  | 91             | 292739    | 3.341   | ug/L      | 99       |
| 51) Chlorobenzene             | 9.446  | 112            | 6182183   | 118.079 | ug/L      | 99       |
| 52) Ethylbenzene              | 9.571  | 91             | 12372136  | 157.118 | ug/L      | 97       |
| 53) m,p-Xylene                | 9.690  | 106            | 1520078   | 49.774  | ug/L      | 100      |
| 54) o-Xylene                  | 10.099 | 106            | 337888    | 11.693  | ug/L      | 98       |
| 60) Isopropylbenzene          | 10.481 | 105            | 5411943   | 64.643  | ug/L      | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.086 | 105            | 349363m   | 15.731  | ug/L      |          |
| 63) 1,2,4-Trimethylbenzene    | 11.462 | 105            | 15847038m | 252.307 | ug/L      |          |
| 64) 1,3-Dichlorobenzene       | 11.745 | 146            | 153873    | 3.716   | ug/L      | 99       |
| 65) 1,4-Dichlorobenzene       | 11.835 | 146            | 786641    | 19.272  | ug/L      | 98       |
| 67) 1,2-Dichlorobenzene       | 12.211 | 146            | 480841    | 11.944  | ug/L      | 99       |

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 Sample : N5300-02  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BHA73

**Manual Integrations**  
**APPROVED**

Reviewed By :Krupa Patel 10/27/2022  
 Supervised By :Mahesh Dadoda 10/31/2022

Quant Time: Oct 27 08:24:03 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR100722WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Oct 27 08:11:03 2022  
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
| -----    |      |      |          |      |       |          |
| -----    |      |      |          |      |       |          |

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

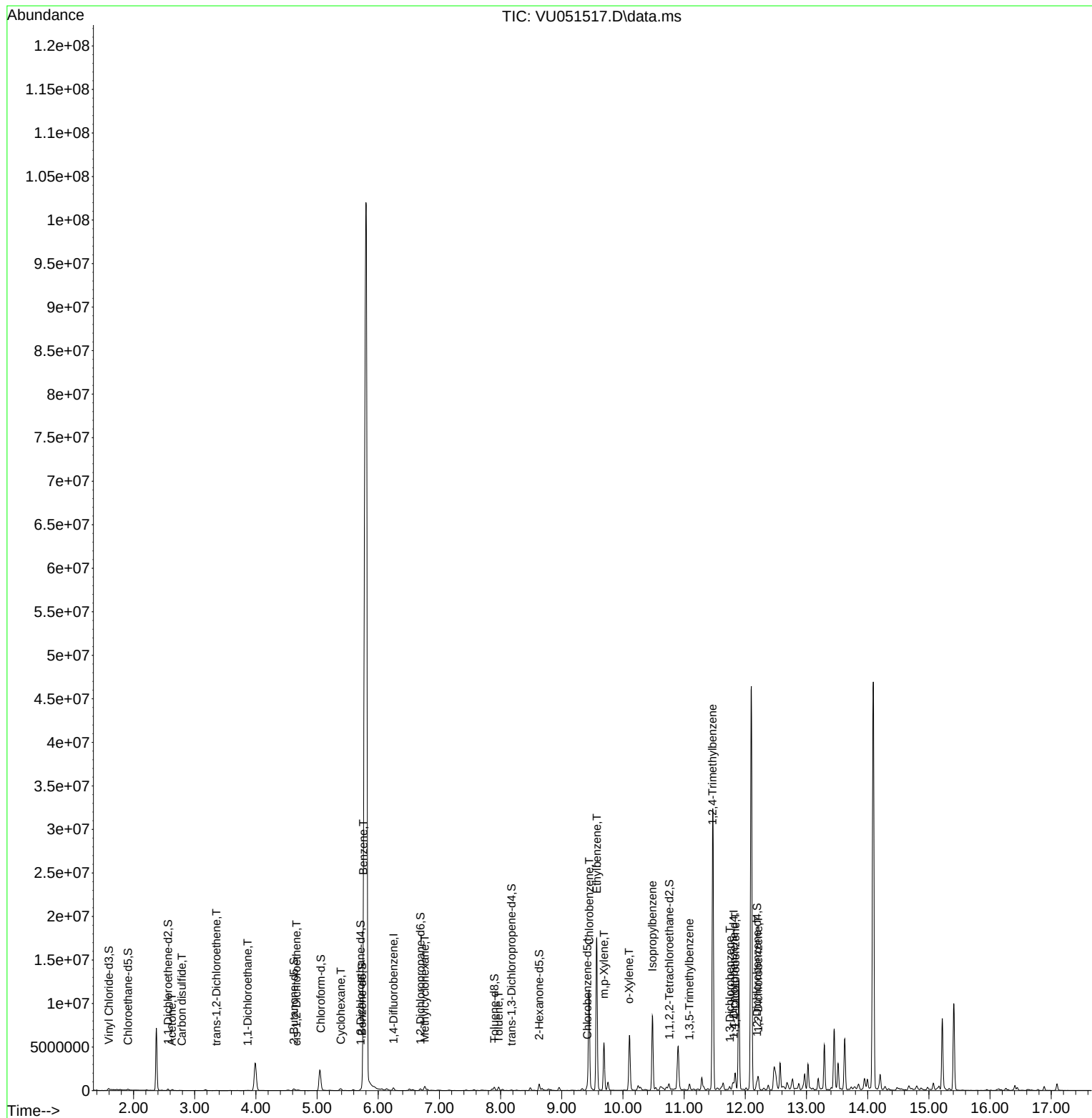
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU102622\  
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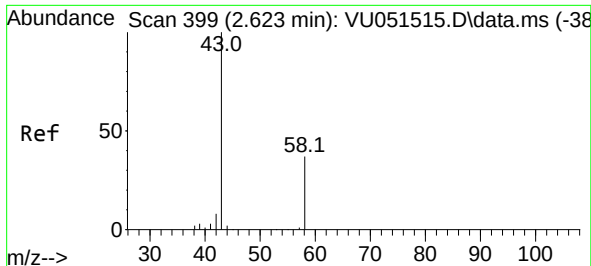
Instrument :  
 MSVOA\_U  
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#13

Acetone

Concen: 12.569 ug/L

RT: 2.623 min Scan# 399

Delta R.T. 0.000 min

Lab File: VU051517.D

Acq: 26 Oct 2022 21:53

Instrument :

MSVOA\_U

ClientSampleId :

BHA73

Tgt Ion: 43 Resp: 40856

Ion Ratio Lower Upper

43 100

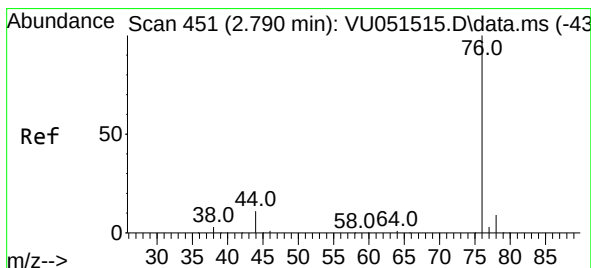
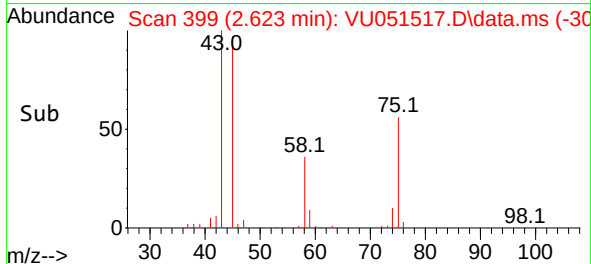
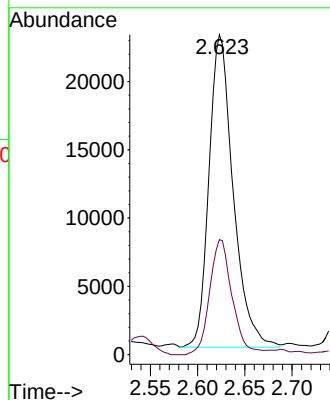
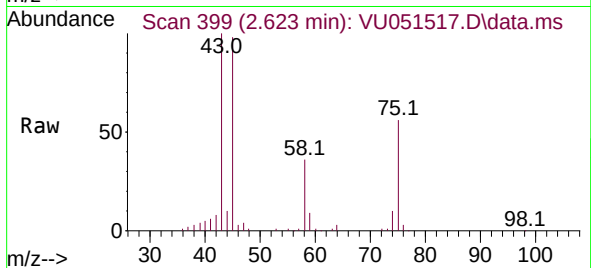
58 34.2 0.0 68.8

Manual Integrations

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Supervised By :Mahesh Dadoda 10/31/2022



#14

Carbon disulfide

Concen: 0.275 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU051517.D

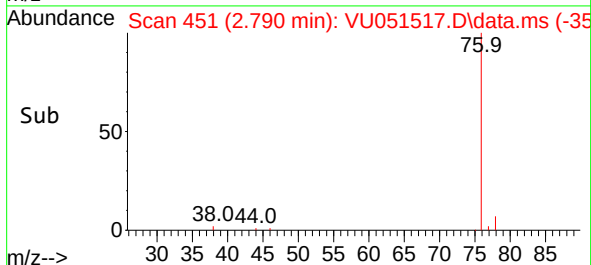
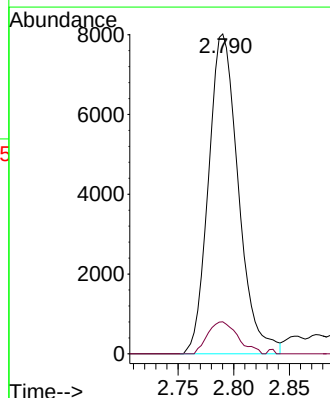
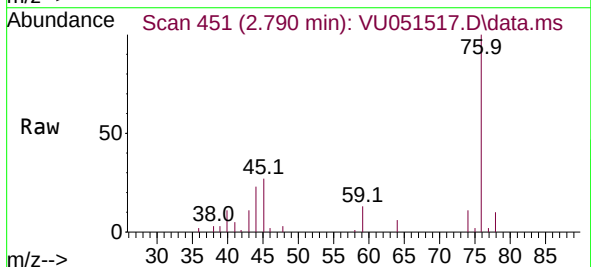
Acq: 26 Oct 2022 21:53

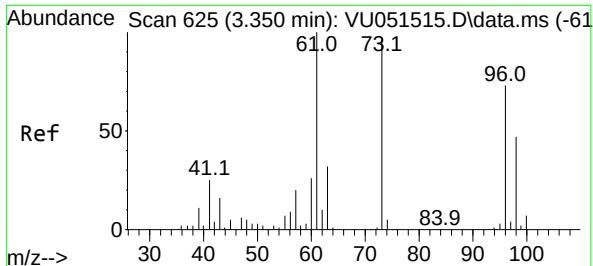
Tgt Ion: 76 Resp: 14971

Ion Ratio Lower Upper

76 100

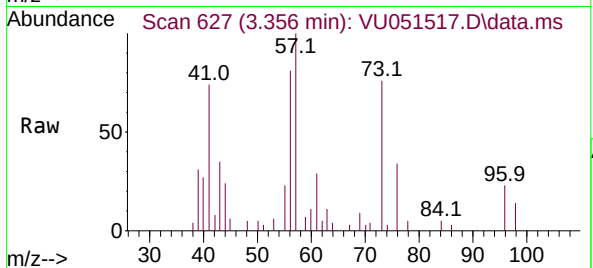
78 10.0 7.0 10.4





#18  
trans-1,2-Dichloroethene  
Concen: 0.093 ug/L  
RT: 3.356 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VU051517.D  
Acq: 26 Oct 2022 21:53

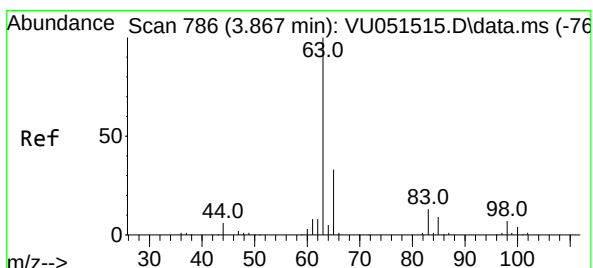
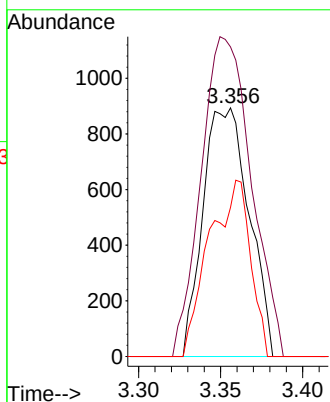
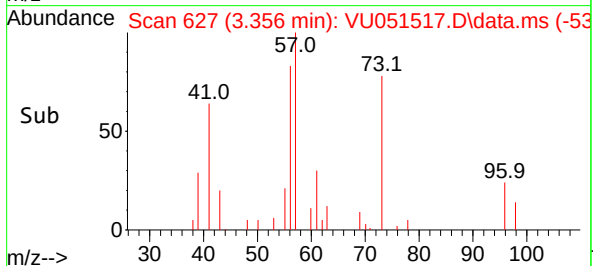
Instrument :  
MSVOA\_U  
ClientSampleId :  
BHA73



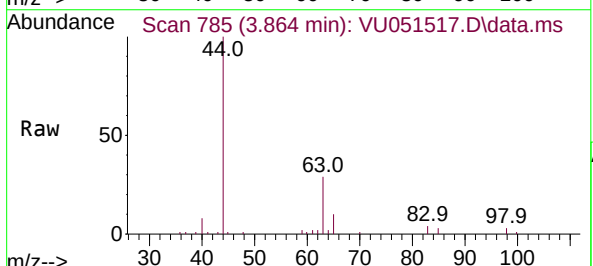
Tgt Ion: 96 Resp: 1746  
Ion Ratio Lower Upper  
96 100  
61 124.5 101.4 188.2  
98 60.0 44.9 83.5

Manual Integrations  
APPROVED

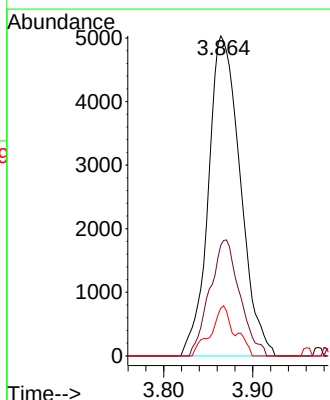
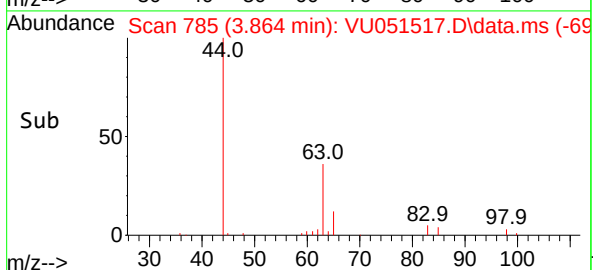
Reviewed By :Krupa Patel 10/27/2022  
Supervised By :Mahesh Dadoda 10/31/2022

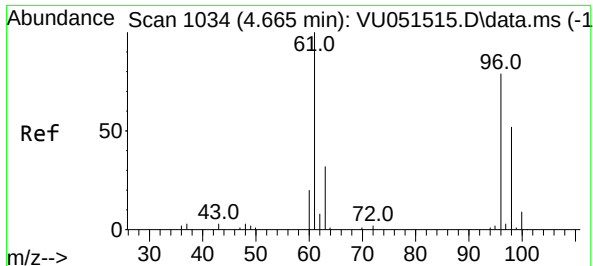


#19  
1,1-Dichloroethane  
Concen: 0.324 ug/L  
RT: 3.864 min Scan# 785  
Delta R.T. -0.003 min  
Lab File: VU051517.D  
Acq: 26 Oct 2022 21:53



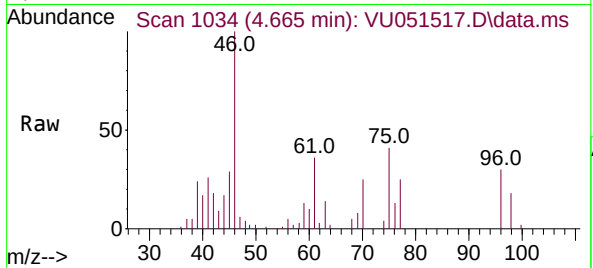
Tgt Ion: 63 Resp: 12499  
Ion Ratio Lower Upper  
63 100  
65 34.6 22.0 41.0  
83 14.9 9.0 16.6





#22  
 cis-1,2-Dichloroethene  
 Concen: 0.291 ug/L  
 RT: 4.665 min Scan# 1034  
 Delta R.T. 0.000 min  
 Lab File: VU051517.D  
 Acq: 26 Oct 2022 21:53

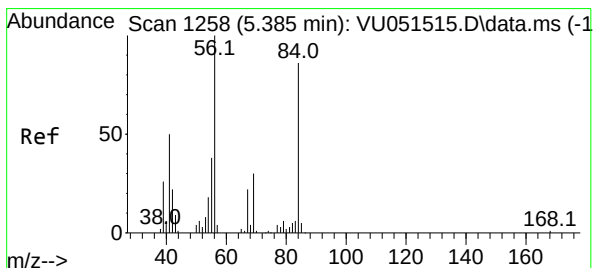
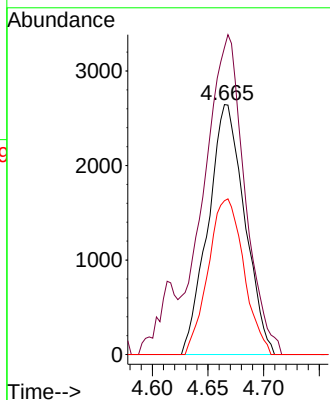
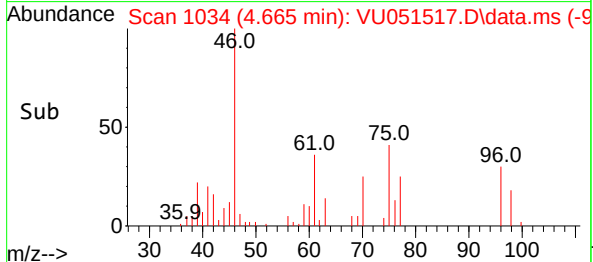
Instrument :  
 MSVOA\_U  
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 BHA73



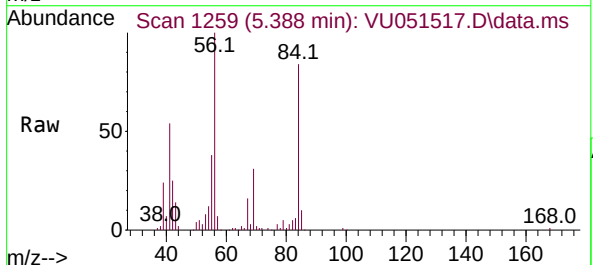
Tgt Ion: 96 Resp: 6032  
 Ion Ratio Lower Upper  
 96 100  
 61 122.8 90.6 168.2  
 98 61.6 47.5 88.3

Manual Integrations  
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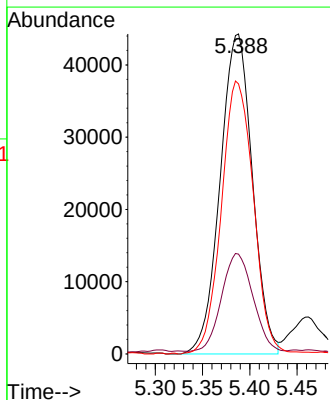
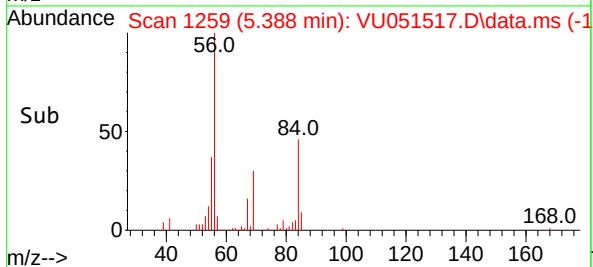
Reviewed By :Krupa Patel 10/27/2022  
 Supervised By :Mahesh Dadoda 10/31/2022

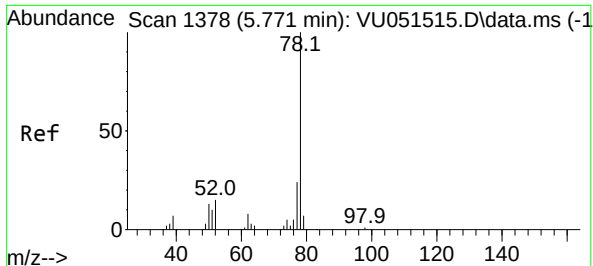


#30  
 Cyclohexane  
 Concen: 4.185 ug/L  
 RT: 5.388 min Scan# 1259  
 Delta R.T. 0.003 min  
 Lab File: VU051517.D  
 Acq: 26 Oct 2022 21:53



Tgt Ion: 56 Resp: 105172  
 Ion Ratio Lower Upper  
 56 100  
 69 29.8 25.1 37.7  
 84 84.9 70.9 106.3





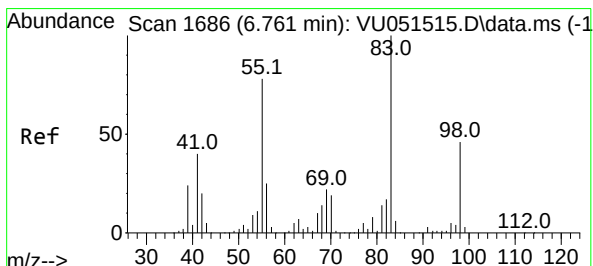
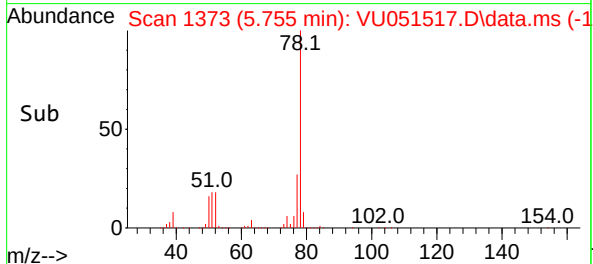
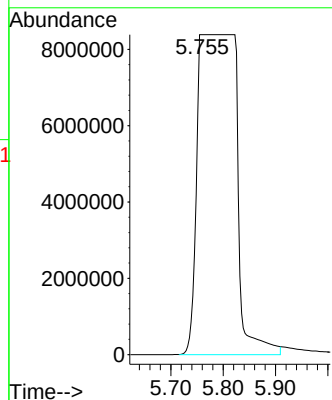
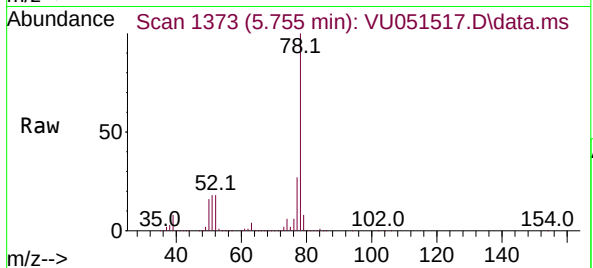
#33  
Benzene  
Concen: 525.116 ug/L m  
RT: 5.755 min Scan# 1378  
Delta R.T. -0.016 min  
Lab File: VU051517.D  
Acq: 26 Oct 2022 21:53

Instrument :  
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ClientSampleId :  
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Tgt Ion: 78 Resp:43349508

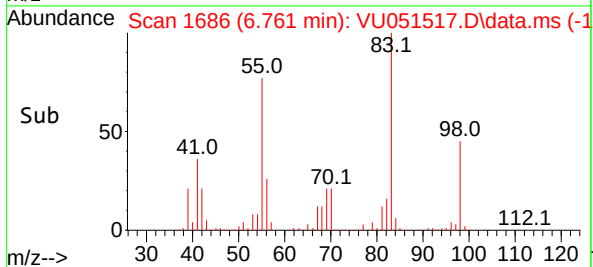
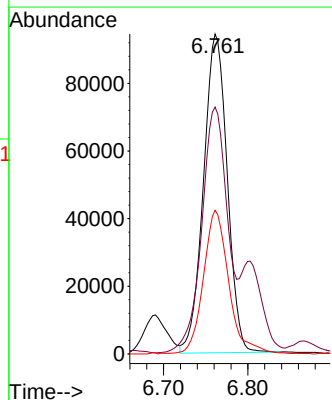
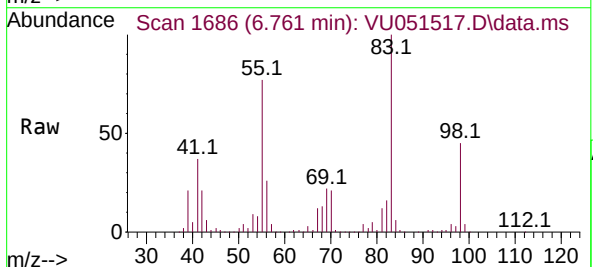
Manual Integrations  
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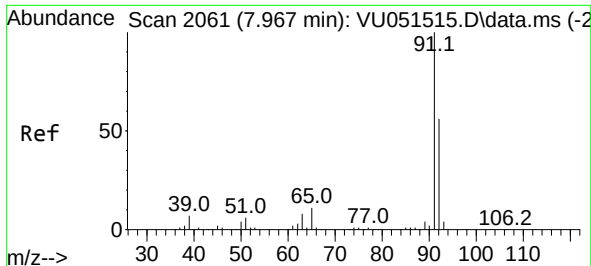
Reviewed By :Krupa Patel 10/27/2022  
Supervised By :Mahesh Dadoda 10/31/2022



#35  
Methylcyclohexane  
Concen: 7.093 ug/L  
RT: 6.761 min Scan# 1686  
Delta R.T. 0.000 min  
Lab File: VU051517.D  
Acq: 26 Oct 2022 21:53

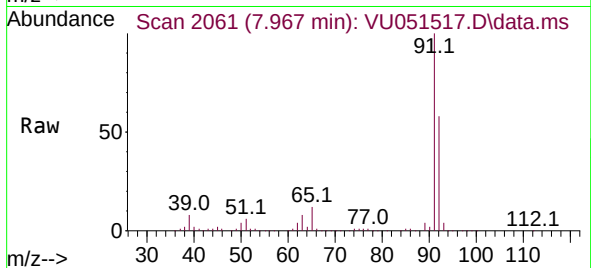
Tgt Ion: 83 Resp: 184306  
Ion Ratio Lower Upper  
83 100  
55 83.2 65.8 98.6  
98 47.6 35.9 53.9





#42  
Toluene  
Concen: 3.341 ug/L  
RT: 7.967 min Scan# 2061  
Delta R.T. 0.000 min  
Lab File: VU051517.D  
Acq: 26 Oct 2022 21:53

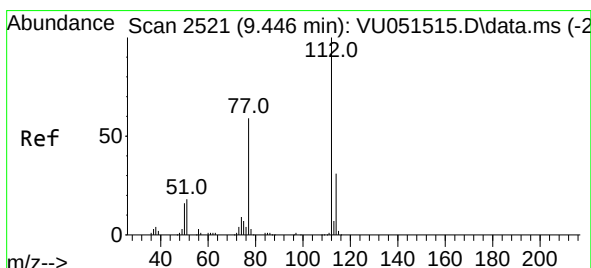
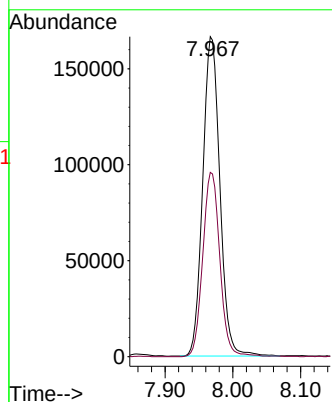
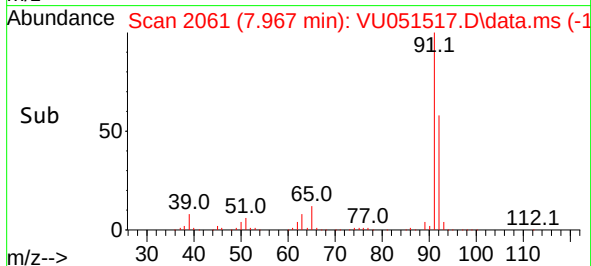
Instrument :  
MSVOA\_U  
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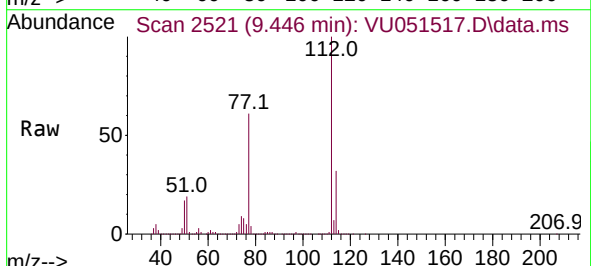
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Ion Ratio Lower Upper  
91 100  
92 57.6 39.9 74.1

Manual Integrations  
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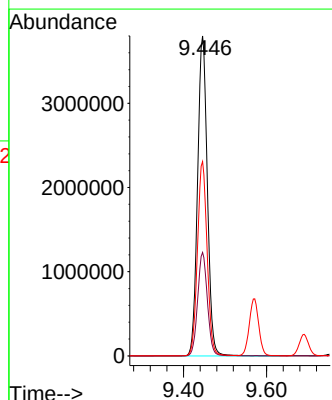
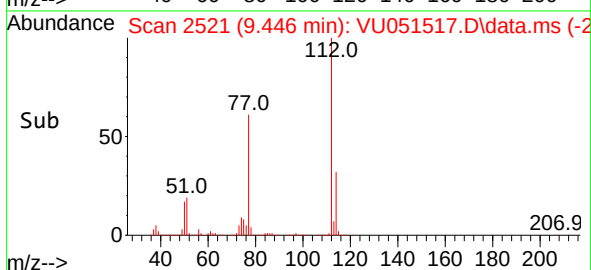
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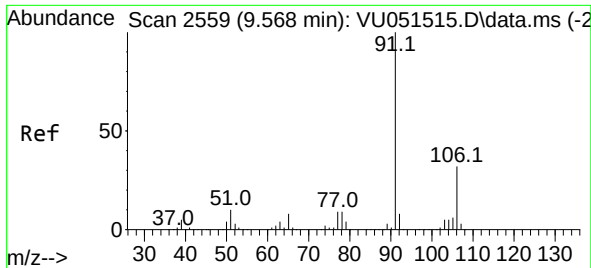
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Chlorobenzene  
Concen: 118.079 ug/L  
RT: 9.446 min Scan# 2521  
Delta R.T. 0.000 min  
Lab File: VU051517.D  
Acq: 26 Oct 2022 21:53



Tgt Ion:112 Resp: 6182183  
Ion Ratio Lower Upper  
112 100  
114 32.3 22.3 41.5  
77 60.7 48.1 72.1







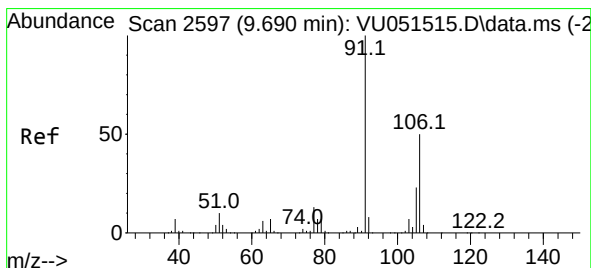
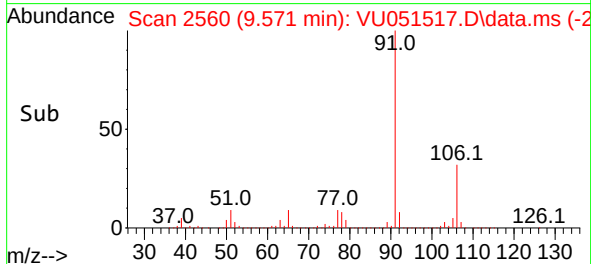
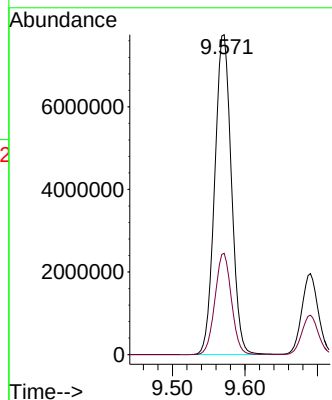
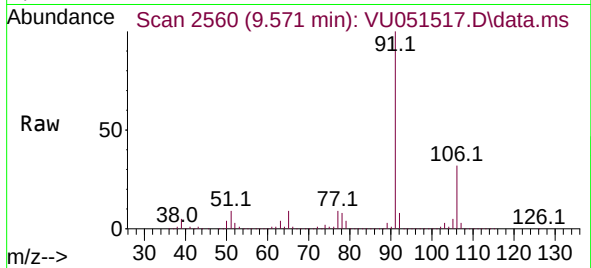
#52  
Ethylbenzene  
Concen: 157.118 ug/L  
RT: 9.571 min Scan# 2559  
Delta R.T. 0.003 min  
Lab File: VU051517.D  
Acq: 26 Oct 2022 21:53

Instrument :  
MSVOA\_U  
ClientSampleId :  
BHA73

Tgt Ion: 91 Resp:12372136  
Ion Ratio Lower Upper  
91 100  
106 31.6 20.9 38.7

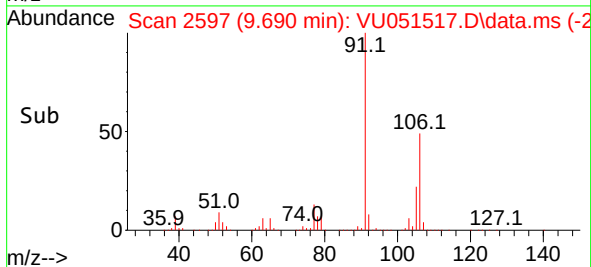
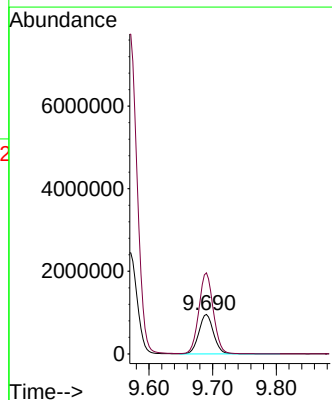
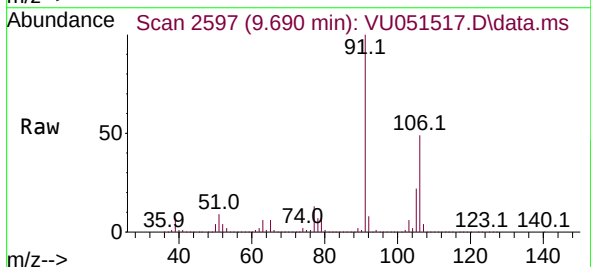
Manual Integrations  
APPROVED

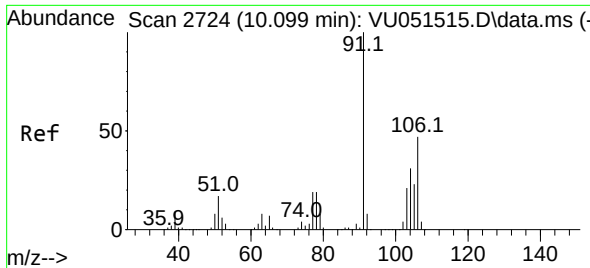
Reviewed By :Krupa Patel 10/27/2022  
Supervised By :Mahesh Dadoda 10/31/2022



#53  
m,p-Xylene  
Concen: 49.774 ug/L  
RT: 9.690 min Scan# 2597  
Delta R.T. -0.000 min  
Lab File: VU051517.D  
Acq: 26 Oct 2022 21:53

Tgt Ion:106 Resp: 1520078  
Ion Ratio Lower Upper  
106 100  
91 205.1 143.9 267.3





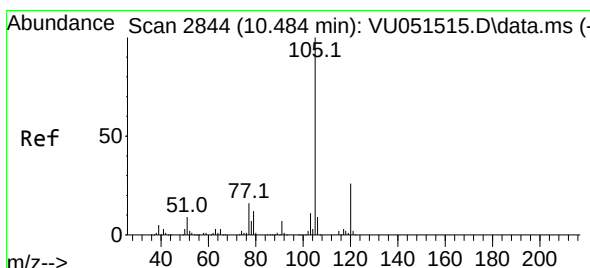
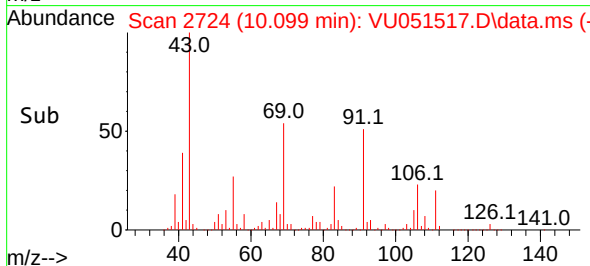
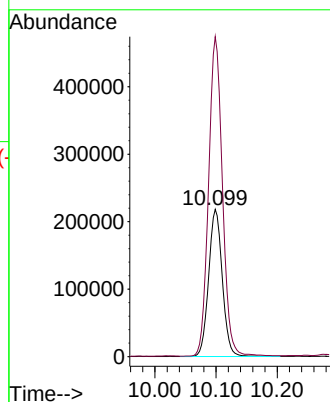
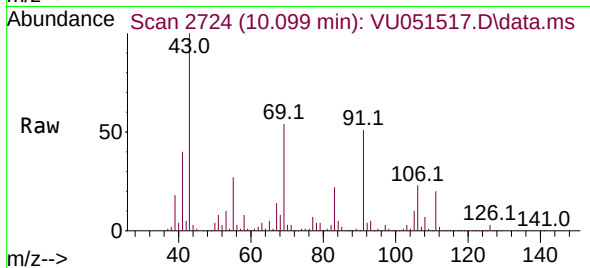
#54  
o-Xylene  
Concen: 11.693 ug/L  
RT: 10.099 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU051517.D  
Acq: 26 Oct 2022 21:53

Instrument :  
MSVOA\_U  
ClientSampleId :  
BHA73

Tgt Ion:106 Resp: 337888  
Ion Ratio Lower Upper  
106 100  
91 217.3 154.4 286.8

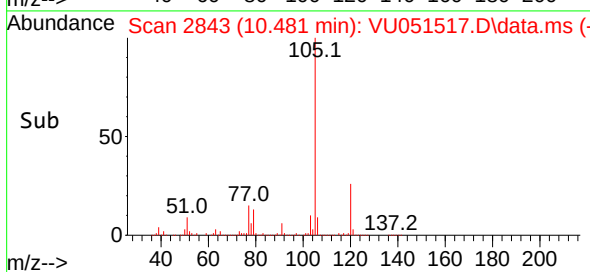
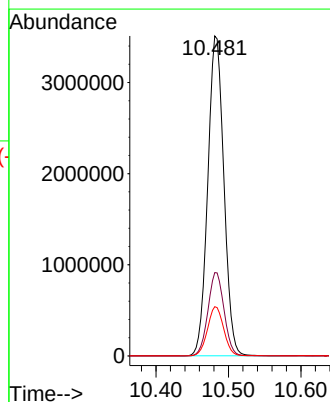
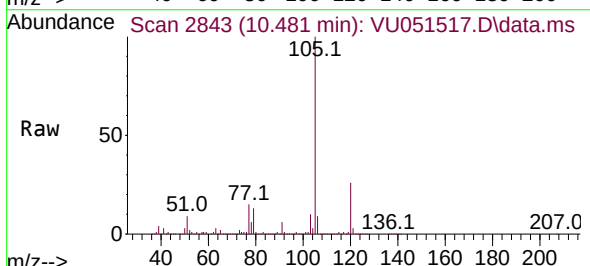
Manual Integrations  
APPROVED

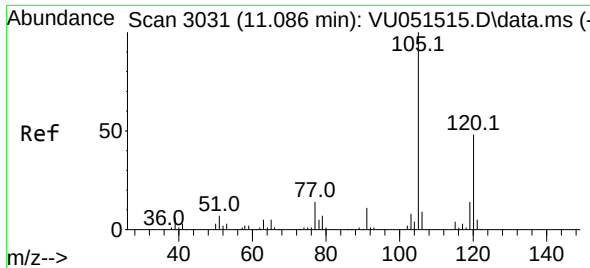
Reviewed By :Krupa Patel 10/27/2022  
Supervised By :Mahesh Dadoda 10/31/2022



#60  
Isopropylbenzene  
Concen: 64.643 ug/L  
RT: 10.481 min Scan# 2843  
Delta R.T. -0.003 min  
Lab File: VU051517.D  
Acq: 26 Oct 2022 21:53

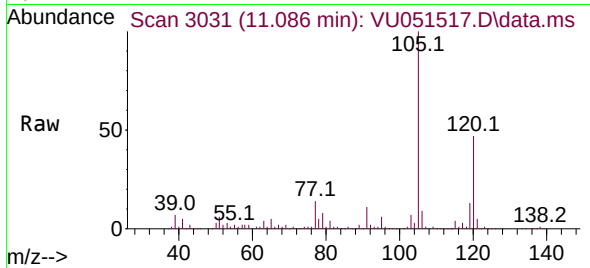
Tgt Ion:105 Resp: 5411943  
Ion Ratio Lower Upper  
105 100  
120 26.1 20.6 30.8  
77 15.5 13.5 20.3





#62  
1,3,5-Trimethylbenzene  
Concen: 15.731 ug/L m  
RT: 11.086 min Scan# 3031  
Delta R.T. 0.000 min  
Lab File: VU051517.D  
Acq: 26 Oct 2022 21:53

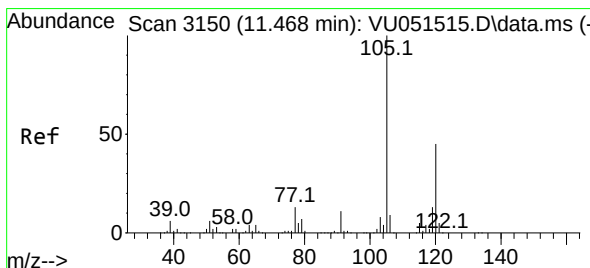
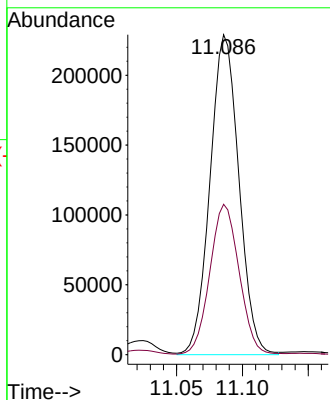
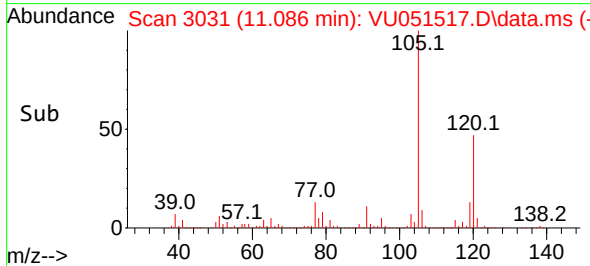
Instrument :  
MSVOA\_U  
ClientSampleId :  
BHA73



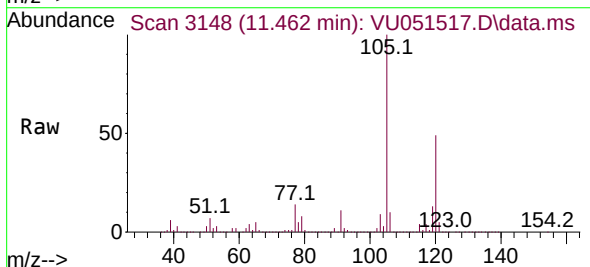
Tgt Ion:105 Resp: 349363  
Ion Ratio Lower Upper  
105 100  
120 830.9 37.7 56.5

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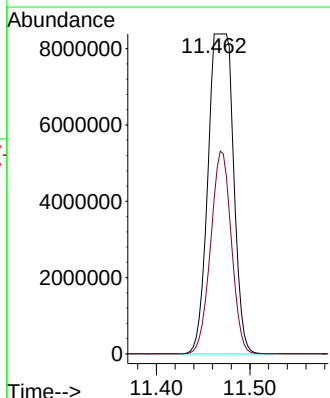
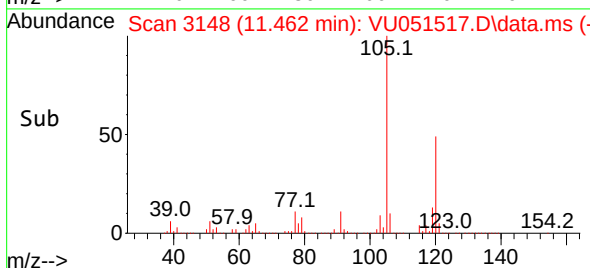
Reviewed By :Krupa Patel 10/27/2022  
Supervised By :Mahesh Dadoda 10/31/2022

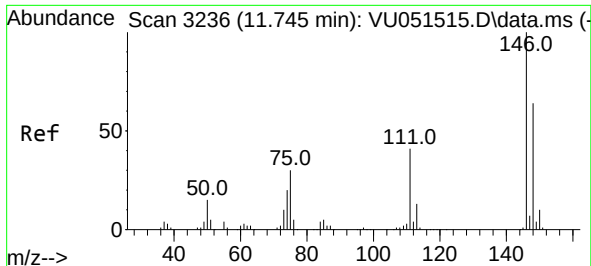


#63  
1,2,4-Trimethylbenzene  
Concen: 252.307 ug/L m  
RT: 11.462 min Scan# 3148  
Delta R.T. -0.006 min  
Lab File: VU051517.D  
Acq: 26 Oct 2022 21:53



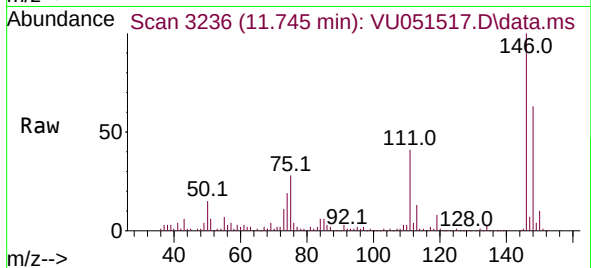
Tgt Ion:105 Resp:15847038  
Ion Ratio Lower Upper  
105 100  
120 18.3 35.6 53.4#





#64  
1,3-Dichlorobenzene  
Concen: 3.716 ug/L  
RT: 11.745 min Scan# 3236  
Delta R.T. 0.000 min  
Lab File: VU051517.D  
Acq: 26 Oct 2022 21:53

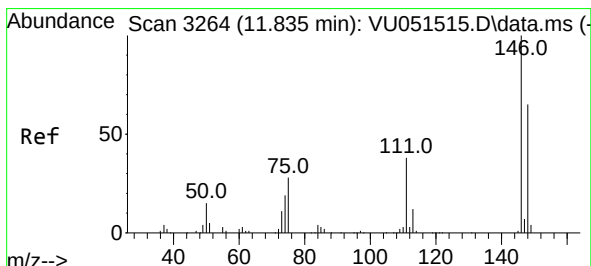
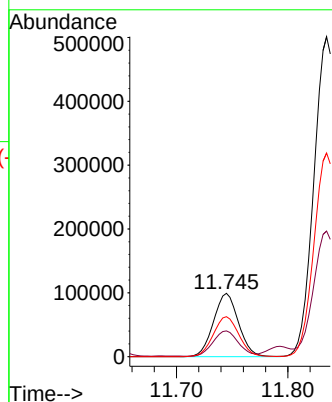
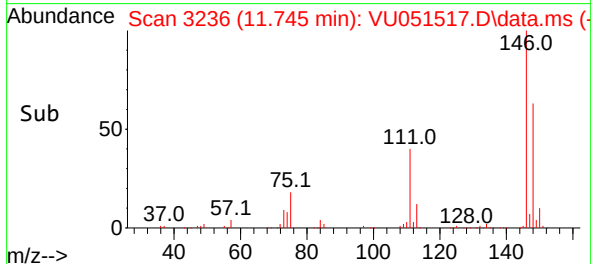
Instrument :  
MSVOA\_U  
ClientSampleId :  
BHA73



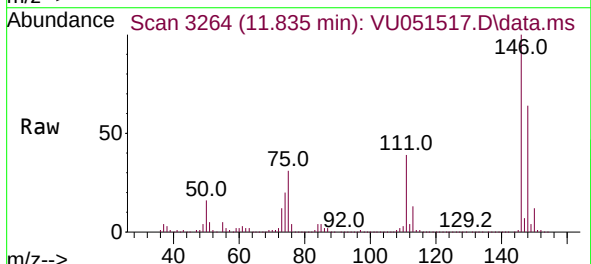
Tgt Ion:146 Resp: 153873  
Ion Ratio Lower Upper  
146 100  
111 40.7 28.3 52.7  
148 63.3 43.8 81.4

Manual Integrations  
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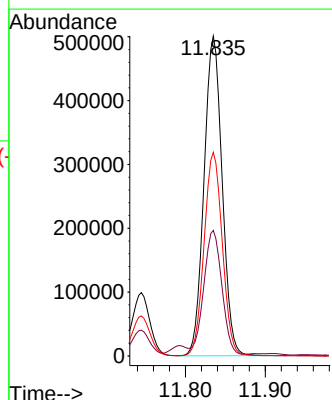
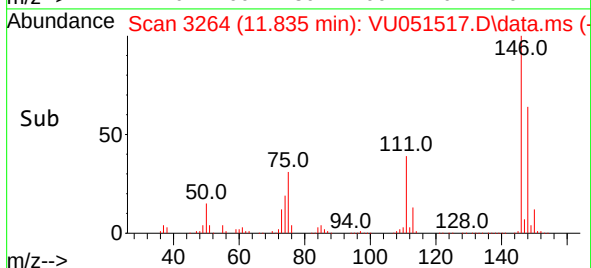
Reviewed By :Krupa Patel 10/27/2022  
Supervised By :Mahesh Dadoda 10/31/2022

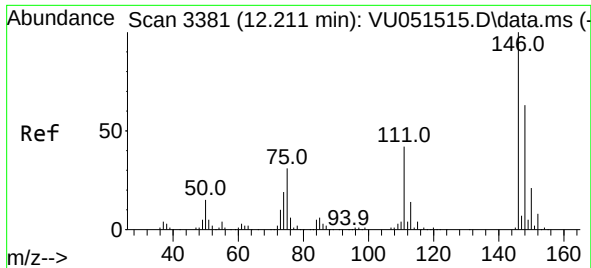


#65  
1,4-Dichlorobenzene  
Concen: 19.272 ug/L  
RT: 11.835 min Scan# 3264  
Delta R.T. 0.000 min  
Lab File: VU051517.D  
Acq: 26 Oct 2022 21:53



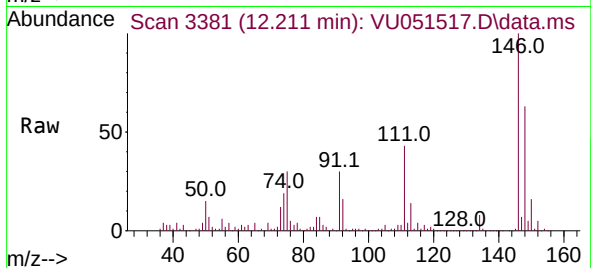
Tgt Ion:146 Resp: 786641  
Ion Ratio Lower Upper  
146 100  
111 39.2 29.1 54.1  
148 63.6 44.2 82.0





#67  
 1,2-Dichlorobenzene  
 Concen: 11.944 ug/L  
 RT: 12.211 min Scan# 3381  
 Delta R.T. -0.000 min  
 Lab File: VU051517.D  
 Acq: 26 Oct 2022 21:53

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BHA73



Tgt Ion:146 Resp: 480841  
 Ion Ratio Lower Upper  
 146 100  
 111 42.8 35.5 53.3  
 148 63.5 50.9 76.3

Manual Integrations  
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Reviewed By :Krupa Patel 10/27/2022  
 Supervised By :Mahesh Dadoda 10/31/2022

