

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW101022\  
 Data File : VW028498.D  
 Acq On : 10 Oct 2022 16:31  
 Operator : SY/MD  
 Sample : N5079-01  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFYZ8

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 10/11/2022  
 Supervised By :Mahesh Dadoda 10/11/2022

Quant Time: Oct 11 02:56:47 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM100722WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Oct 11 02:53:11 2022  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.613          | 114  | 317577     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.847          | 117  | 290351     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.239         | 152  | 145488     | 50.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304          | 65   | 76205      | 31.098   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 62.200%  |        |          |
| 7) Chloroethane-d5            | 1.565          | 69   | 66436      | 34.192   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 68.380%# |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.105          | 63   | 153701     | 36.855   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 73.700%  |        |          |
| 21) 2-Butanone-d5             | 3.902          | 46   | 114824     | 53.528   | ug/L   | 0.02     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 53.530%  |        |          |
| 24) Chloroform-d              | 4.343          | 84   | 191004     | 42.500   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 85.000%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.027          | 65   | 127489     | 43.986   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 87.980%  |        |          |
| 32) Benzene-d6                | 5.043          | 84   | 386930     | 41.588   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 83.180%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.066          | 67   | 121182     | 39.949   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 79.900%  |        |          |
| 41) Toluene-d8                | 7.310          | 98   | 358341     | 43.019   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 86.040%  |        |          |
| 43) trans-1,3-Dichloroprop... | 7.619          | 79   | 63054      | 40.781   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 81.560%  |        |          |
| 47) 2-Hexanone-d5             | 8.085          | 63   | 121885     | 73.864   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 73.860%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.210         | 84   | 162775     | 39.214   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 78.420%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.616         | 152  | 136177     | 45.172   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 90.340%  |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 5) Vinyl chloride             | 1.307          | 62   | 15223      | 5.635    | ug/L # | 80       |
| 8) Chloroethane               | 1.584          | 64   | 12788m     | 7.798    | ug/L   |          |
| 12) 1,1-Dichloroethene        | 2.114          | 96   | 70200      | 37.792   | ug/L   | 96       |
| 17) trans-1,2-Dichloroethene  | 2.757          | 96   | 2318       | 1.070    | ug/L   | 88       |
| 19) 1,1-Dichloroethane        | 3.182          | 63   | 1280890    | 289.402  | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 3.905          | 96   | 30938      | 12.534   | ug/L   | 85       |
| 30) 1,1,1-Trichloroethane     | 4.603          | 97   | 5024921    | 1339.664 | ug/L   | 98       |
| 33) Benzene                   | 5.098          | 78   | 22462      | 2.352    | ug/L   | 100      |
| 51) Chlorobenzene             | 8.876          | 112  | 29686      | 4.807    | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.265         | 146  | 2282       | 0.499    | ug/L   | 95       |
| 67) 1,2-Dichlorobenzene       | 11.635         | 146  | 11438      | 2.472    | ug/L   | 98       |
| -----                         |                |      |            |          |        |          |

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

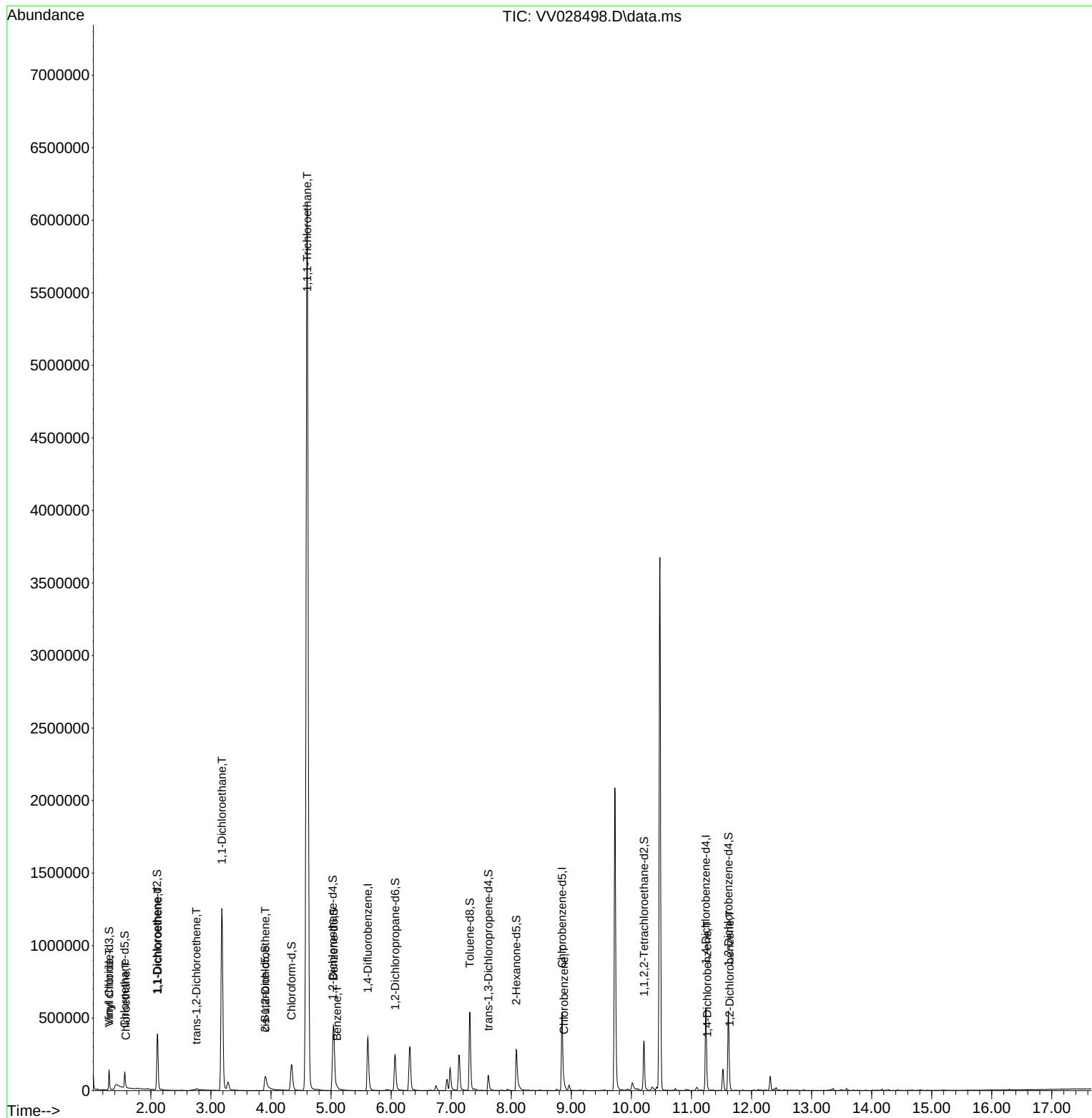
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV101022\  
Data File : VV028498.D  
Acq On : 10 Oct 2022 16:31  
Operator : SY/MD  
Sample : N5079-01  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 10 Sample Multiplier: 1

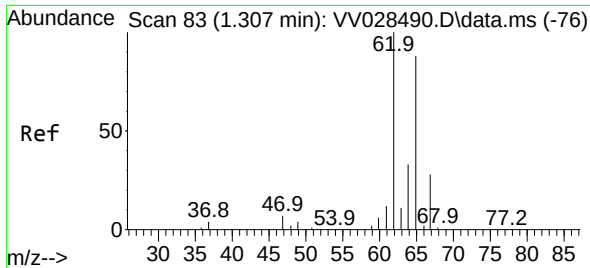
Instrument :  
MSVOA\_V  
ClientSampleId :  
BFYZ8

Manual Integrations  
APPROVED

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Supervised By :Mahesh Dadoda 10/11/2022

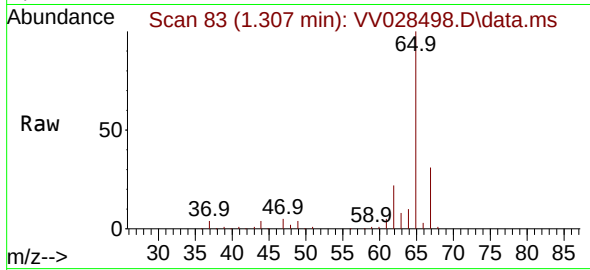
Quant Time: Oct 11 02:56:47 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM100722WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Oct 11 02:53:11 2022  
Response via : Initial Calibration





#5  
 Vinyl chloride  
 Concen: 5.635 ug/L  
 RT: 1.307 min Scan# 81  
 Delta R.T. -0.000 min  
 Lab File: VV028498.D  
 Acq: 10 Oct 2022 16:31

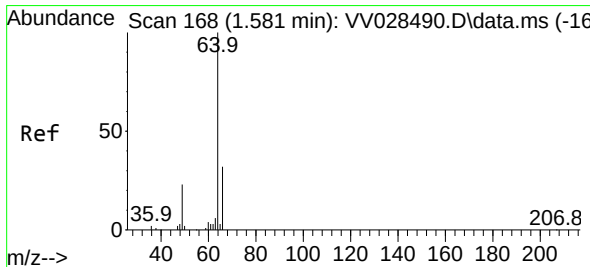
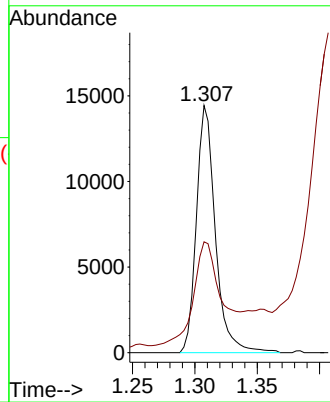
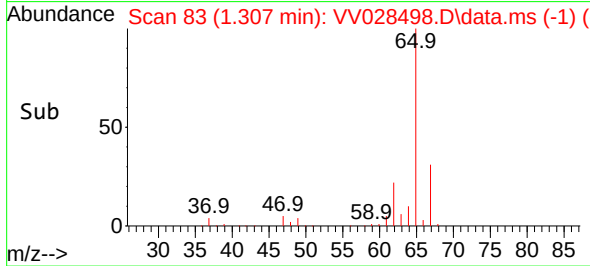
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFYZ8



Tgt Ion: 62 Resp: 1522  
 Ion Ratio Lower Upper  
 62 100  
 64 44.9 23.3 43.3

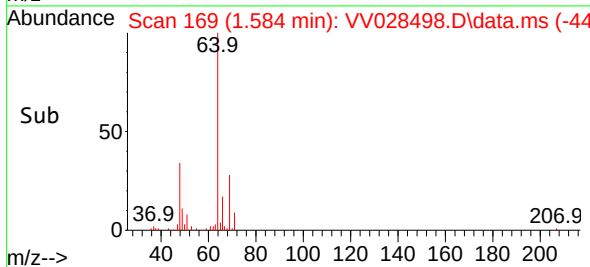
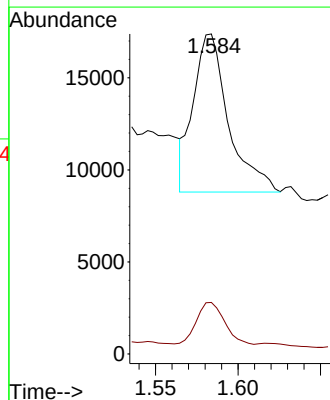
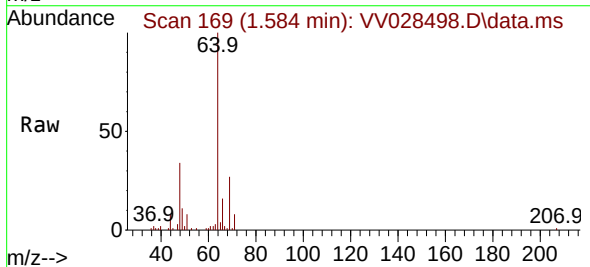
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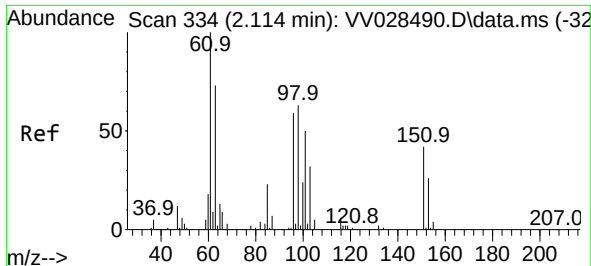
Reviewed By :Krupa Patel 10/11/2022  
 Supervised By :Mahesh Dadoda 10/11/2022



#8  
 Chloroethane  
 Concen: 7.798 ug/L m  
 RT: 1.584 min Scan# 169  
 Delta R.T. 0.003 min  
 Lab File: VV028498.D  
 Acq: 10 Oct 2022 16:31

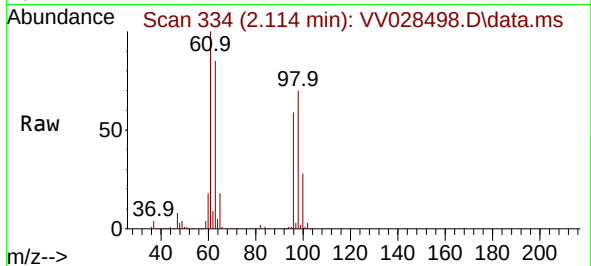
Tgt Ion: 64 Resp: 12788  
 Ion Ratio Lower Upper  
 64 100  
 66 16.1 22.2 41.2





#12  
1,1-Dichloroethene  
Concen: 37.792 ug/L  
RT: 2.114 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VV028498.D  
Acq: 10 Oct 2022 16:31

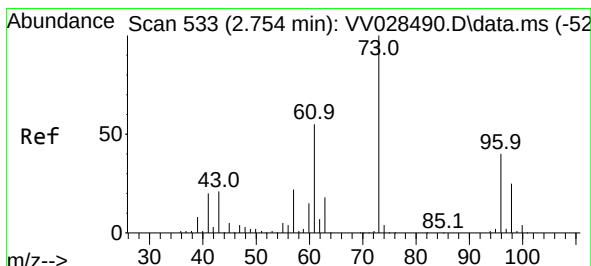
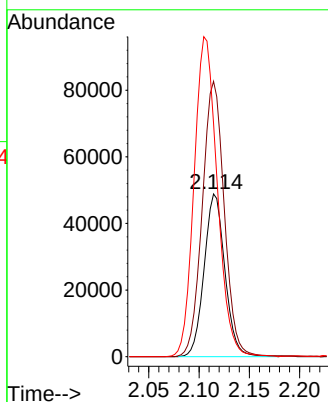
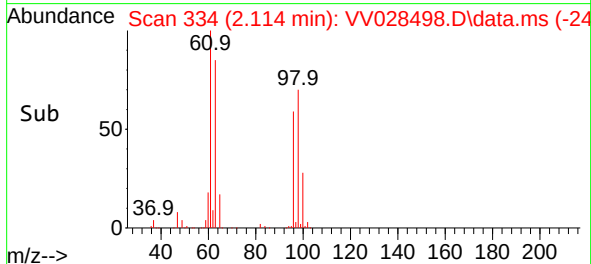
Instrument :  
MSVOA\_V  
ClientSampleId :  
BFYZ8



Tgt Ion: 96 Resp: 70200  
Ion Ratio Lower Upper  
96 100  
61 169.1 125.6 233.2  
63 143.3 100.0 185.6

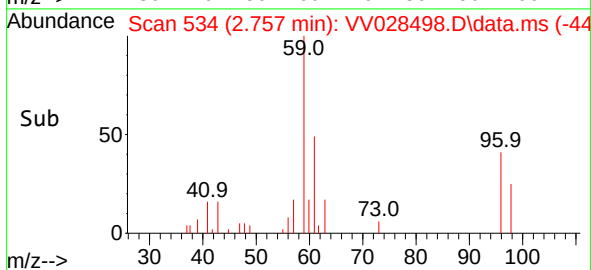
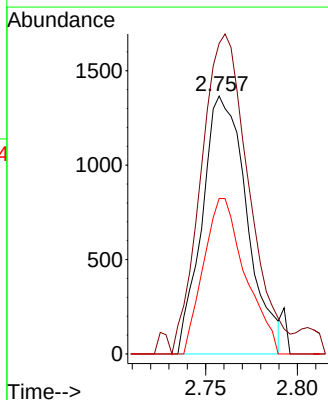
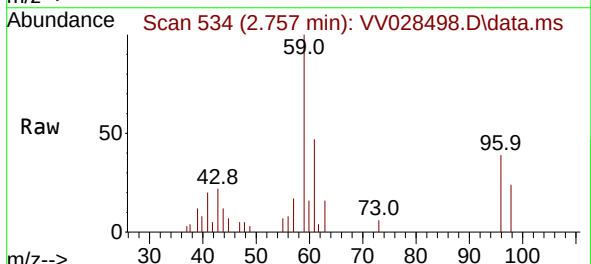
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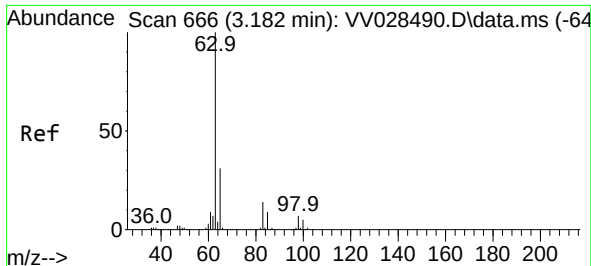
Reviewed By :Krupa Patel 10/11/2022  
Supervised By :Mahesh Dadoda 10/11/2022



#17  
trans-1,2-Dichloroethene  
Concen: 1.070 ug/L  
RT: 2.757 min Scan# 534  
Delta R.T. 0.003 min  
Lab File: VV028498.D  
Acq: 10 Oct 2022 16:31

Tgt Ion: 96 Resp: 2318  
Ion Ratio Lower Upper  
96 100  
61 130.5 104.8 194.6  
98 60.3 44.5 82.7





#19

1,1-Dichloroethane

Concen: 289.402 ug/L

RT: 3.182 min Scan# 61

Delta R.T. -0.000 min

Lab File: VV028498.D

Acq: 10 Oct 2022 16:31

Instrument :

MSVOA\_V

ClientSampleId :

BFYZ8

Tgt Ion: 63 Resp: 1280890

Ion Ratio Lower Upper

63 100

65 32.2 22.6 42.0

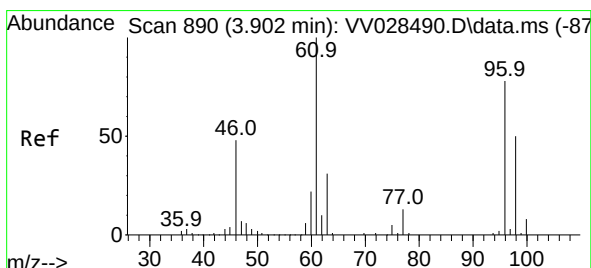
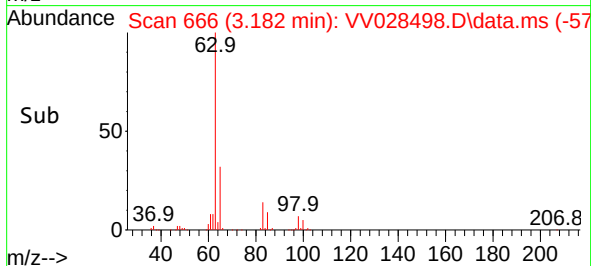
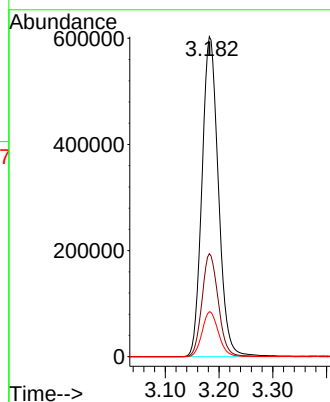
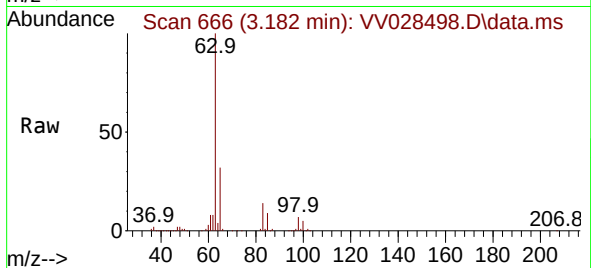
83 14.0 9.2 17.0

Manual Integrations

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Supervised By :Mahesh Dadoda 10/11/2022



#20

cis-1,2-Dichloroethene

Concen: 12.534 ug/L

RT: 3.905 min Scan# 891

Delta R.T. 0.003 min

Lab File: VV028498.D

Acq: 10 Oct 2022 16:31

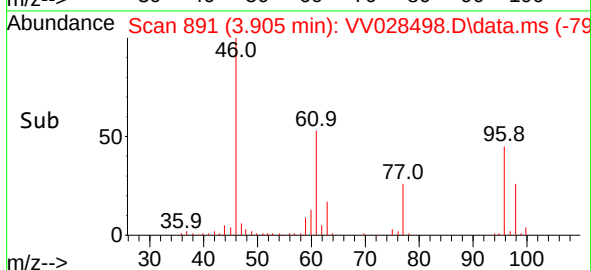
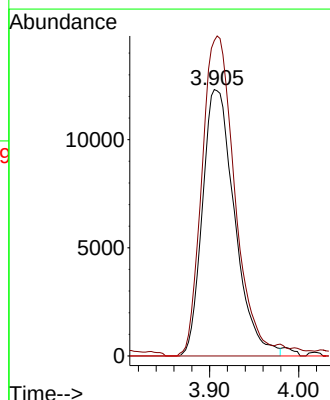
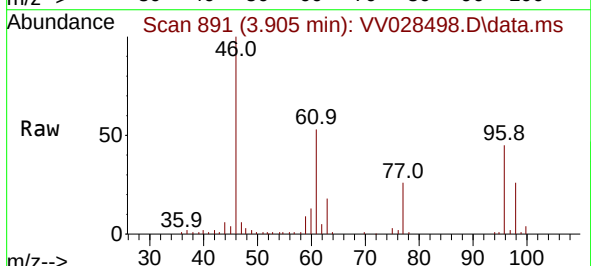
Tgt Ion: 96 Resp: 30938

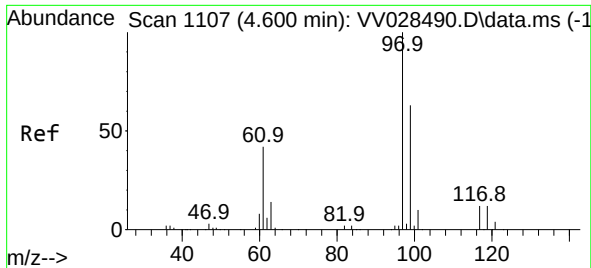
Ion Ratio Lower Upper

96 100

61 118.4 95.0 176.4

68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 1339.664 ug/L

RT: 4.603 min Scan# 1107

Delta R.T. 0.003 min

Lab File: VV028498.D

Acq: 10 Oct 2022 16:31

Instrument :

MSVOA\_V

ClientSampleId :

BFYZ8

Tgt Ion: 97 Resp: 502492

Ion Ratio Lower Upper

97 100

99 64.6 50.2 75.2

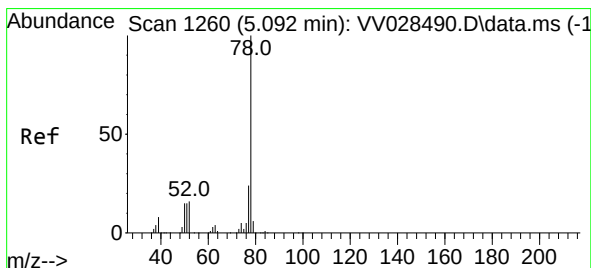
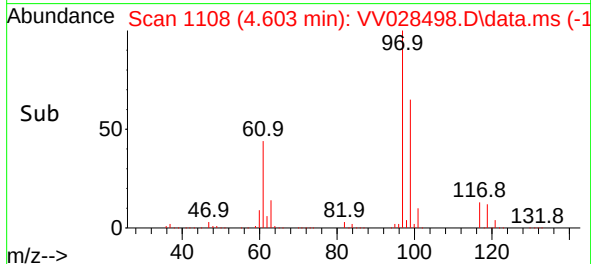
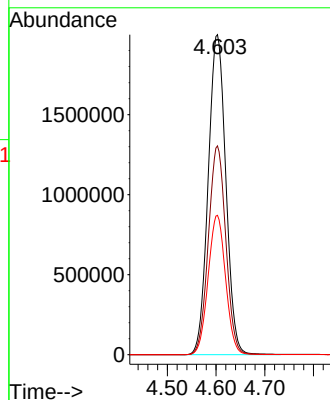
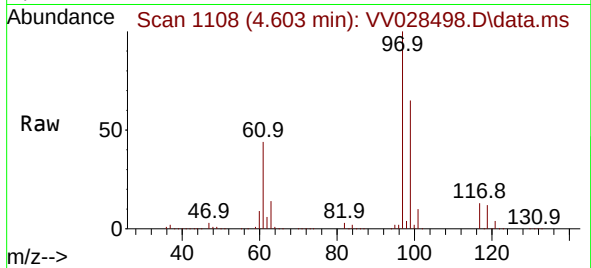
61 43.2 35.8 53.6

Manual Integrations

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Reviewed By :Krupa Patel 10/11/2022

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#33

Benzene

Concen: 2.352 ug/L

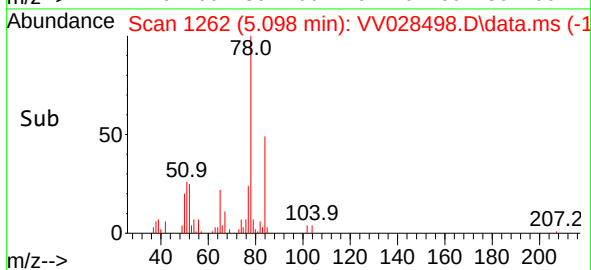
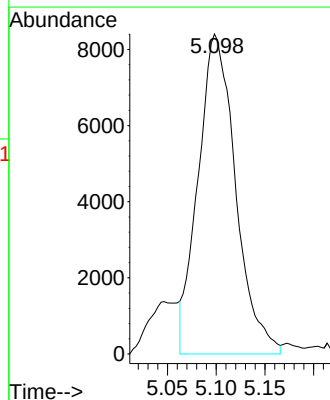
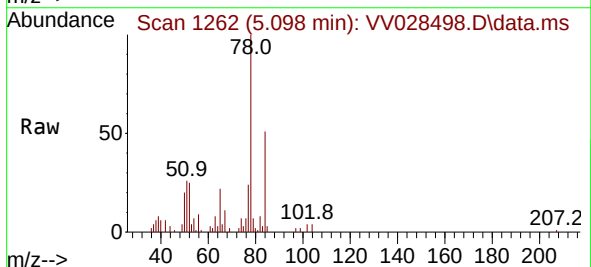
RT: 5.098 min Scan# 1262

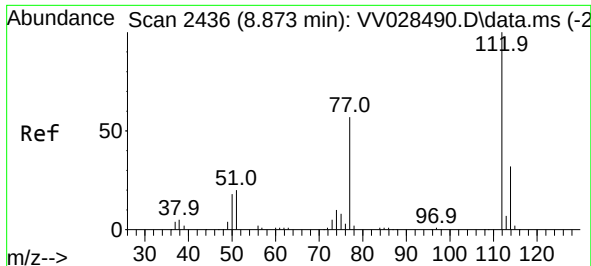
Delta R.T. 0.006 min

Lab File: VV028498.D

Acq: 10 Oct 2022 16:31

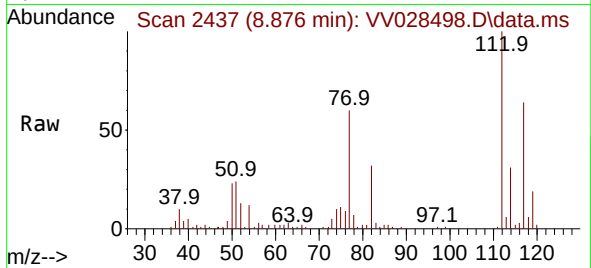
Tgt Ion: 78 Resp: 22462





#51  
Chlorobenzene  
Concen: 4.807 ug/L  
RT: 8.876 min Scan# 2436  
Delta R.T. 0.003 min  
Lab File: VV028498.D  
Acq: 10 Oct 2022 16:31

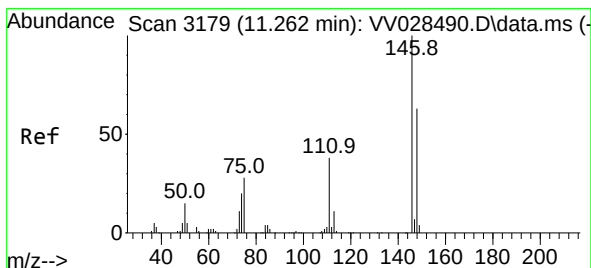
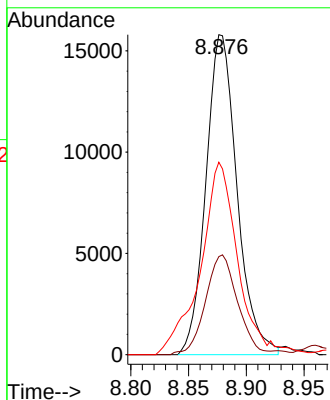
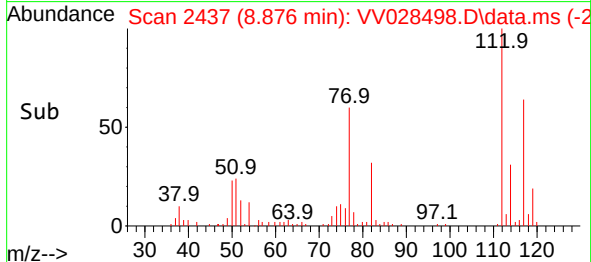
Instrument :  
MSVOA\_V  
ClientSampleId :  
BFYZ8



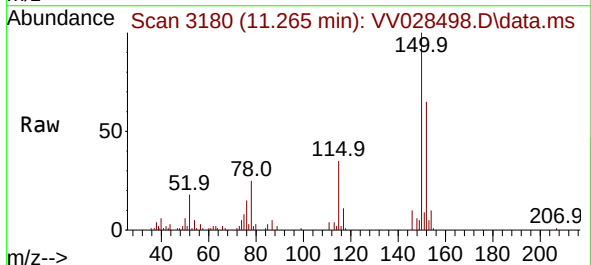
Tgt Ion:112 Resp: 29680  
Ion Ratio Lower Upper  
112 100  
114 30.7 21.7 40.3  
77 60.1 48.7 73.1

Manual Integrations  
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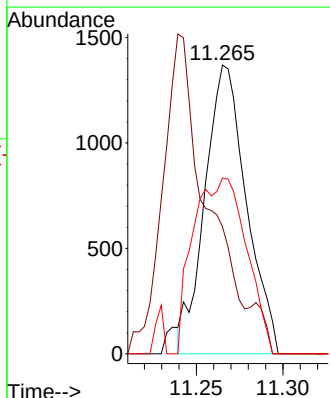
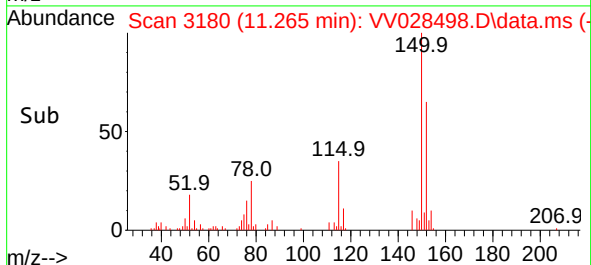
Reviewed By :Krupa Patel 10/11/2022  
Supervised By :Mahesh Dadoda 10/11/2022

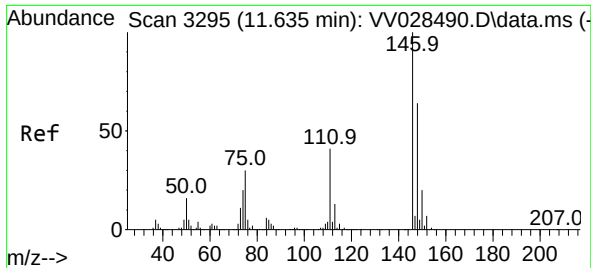


#65  
1,4-Dichlorobenzene  
Concen: 0.499 ug/L  
RT: 11.265 min Scan# 3180  
Delta R.T. 0.003 min  
Lab File: VV028498.D  
Acq: 10 Oct 2022 16:31



Tgt Ion:146 Resp: 2282  
Ion Ratio Lower Upper  
146 100  
111 43.9 26.6 49.4  
148 60.9 43.4 80.6





#67

1,2-Dichlorobenzene

Concen: 2.472 ug/L

RT: 11.635 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV028498.D

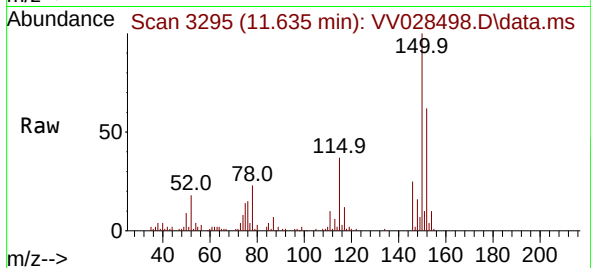
Acq: 10 Oct 2022 16:31

Instrument :

MSVOA\_V

ClientSampleId :

BFYZ8



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 11438 |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 39.5  | 33.9  | 50.9  |
| 148      | 62.5  | 50.6  | 75.8  |

Manual Integrations

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