

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW042424\  
 Data File : VW035397.D  
 Acq On : 24 Apr 2024 19:02  
 Operator : SY/MD  
 Sample : P2182-06  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 MC0RC8

Quant Time: Apr 25 02:03:07 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM032624WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Apr 25 01:57:41 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/25/2024  
 Supervised By :Semsettin Yesilyurt 04/25/2024

| Compound                      | R.T.           | QIon | Response   | Conc     | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|-------|----------|
| -----                         |                |      |            |          |       |          |
| Internal Standards            |                |      |            |          |       |          |
| 1) 1,4-Difluorobenzene        | 5.535          | 114  | 416634     | 50.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.799          | 117  | 456062     | 50.000   | ug/L  | 0.02     |
| 58) 1,4-Dichlorobenzene-d4    | 11.194         | 152  | 296918m    | 50.000   | ug/L  | 0.01     |
|                               |                |      |            |          |       |          |
| System Monitoring Compounds   |                |      |            |          |       |          |
| 4) Vinyl Chloride-d3          | 1.278          | 65   | 153496     | 38.148   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 76.300%  |       |          |
| 7) Chloroethane-d5            | 1.532          | 69   | 135678     | 38.823   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 77.640%  |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.056          | 65   | 68181      | 38.656   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 77.320%  |       |          |
| 21) 2-Butanone-d5             | 3.793          | 46   | 204705     | 85.782   | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 85.780%  |       |          |
| 24) Chloroform-d              | 4.246          | 84   | 317252     | 46.896   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 93.800%  |       |          |
| 26) 1,2-Dichloroethane-d4     | 4.947          | 65   | 205605     | 47.870   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 95.740%  |       |          |
| 32) Benzene-d6                | 4.966          | 84   | 627201     | 40.942   | ug/L  | 0.01     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 81.880%  |       |          |
| 36) 1,2-Dichloropropane-d6    | 5.989          | 67   | 198238     | 40.751   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 81.500%  |       |          |
| 41) Toluene-d8                | 7.243          | 98   | 517156     | 37.485   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 74.960%# |       |          |
| 43) trans-1,3-Dichloroprop... | 7.555          | 79   | 87691      | 37.080   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 74.160%  |       |          |
| 47) 2-Hexanone-d5             | 8.027          | 63   | 130901     | 71.171   | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 71.170%  |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149         | 84   | 305394     | 45.588   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 91.180%  |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.574         | 152  | 286275     | 42.943   | ug/L  | 0.02     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 85.880%  |       |          |
|                               |                |      |            |          |       |          |
| Target Compounds              |                |      |            |          |       | Qvalue   |
| 25) Chloroform                | 4.278          | 83   | 83780      | 13.669   | ug/L  | 97       |
| 29) Cyclohexane               | 4.584          | 56   | 14317      | 2.506    | ug/L  | 95       |
| 31) Carbon tetrachloride      | 4.735          | 117  | 73151      | 14.518   | ug/L  | 100      |
| 33) Benzene                   | 4.995          | 78   | 35597163m  | 2393.644 | ug/L  |          |
| 35) Methylcyclohexane         | 6.050          | 83   | 8963m      | 1.479    | ug/L  |          |
| 46) Tetrachloroethene         | 7.915          | 164  | 2928       | 1.044    | ug/L  | 91       |
| 51) Chlorobenzene             | 8.808          | 112  | 35977413m  | 3565.328 | ug/L  |          |
| 64) 1,3-Dichlorobenzene       | 11.117         | 146  | 4388860    | 438.749  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.207         | 146  | 26773543m  | 2631.966 | ug/L  |          |
| 67) 1,2-Dichlorobenzene       | 11.580         | 146  | 23631563m  | 2371.482 | ug/L  |          |
| 70) 1,2,4-trichlorobenzene    | 13.197         | 180  | 5195136    | 784.497  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.676         | 180  | 652320     | 99.931   | ug/L  | 99       |
| -----                         |                |      |            |          |       |          |

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

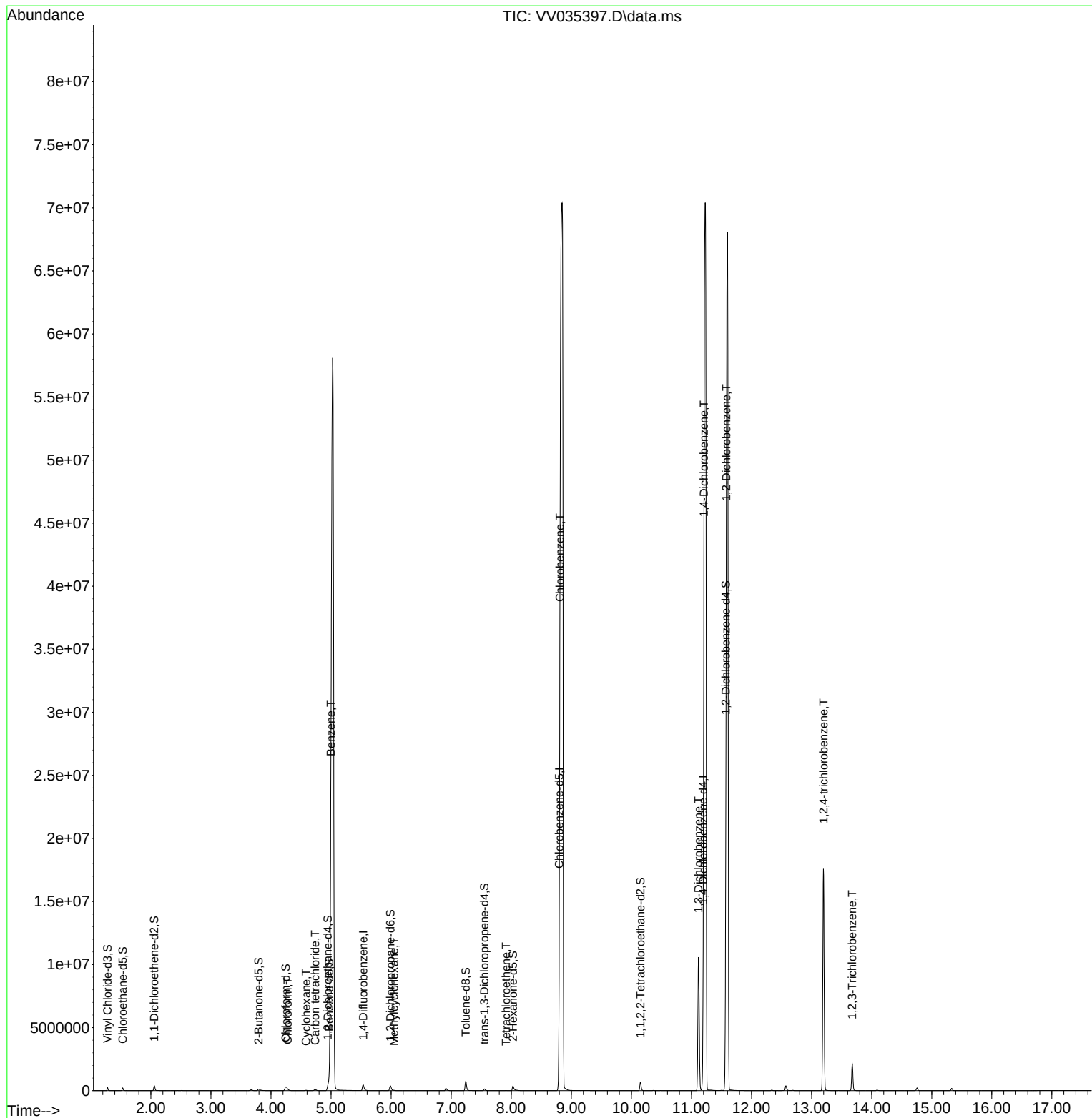
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV042424\  
Data File : VV035397.D  
Acq On : 24 Apr 2024 19:02  
Operator : SY/MD  
Sample : P2182-06  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 25 Sample Multiplier: 1

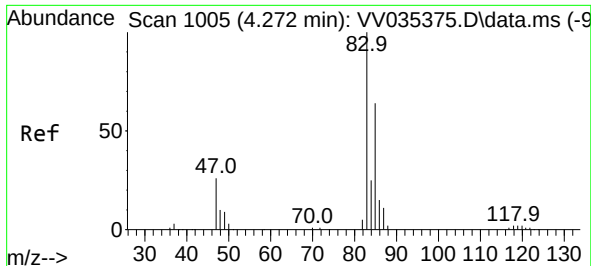
Instrument :  
MSVOA\_V  
ClientSampleId :  
MC0RC8

Manual Integrations  
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Reviewed By :Mahesh Dadoda 04/25/2024  
Supervised By :Semsettin Yesilyurt 04/25/2024

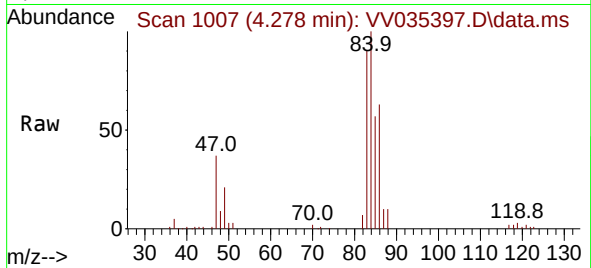
Quant Time: Apr 25 02:03:07 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM032624WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Apr 25 01:57:41 2024  
Response via : Initial Calibration





#25  
Chloroform  
Concen: 13.669 ug/L  
RT: 4.278 min Scan# 1005  
Delta R.T. 0.006 min  
Lab File: VV035397.D  
Acq: 24 Apr 2024 19:02

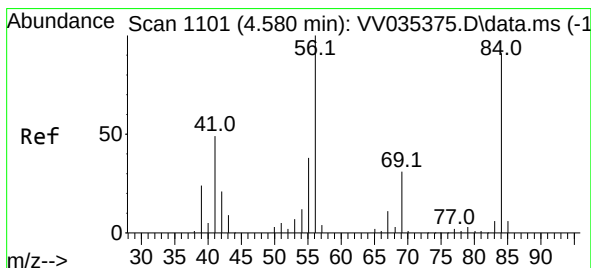
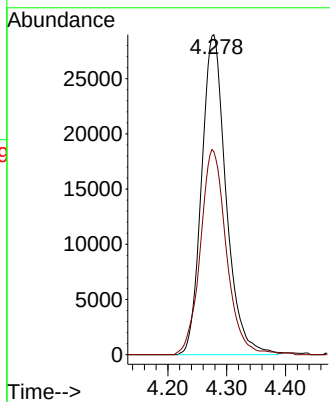
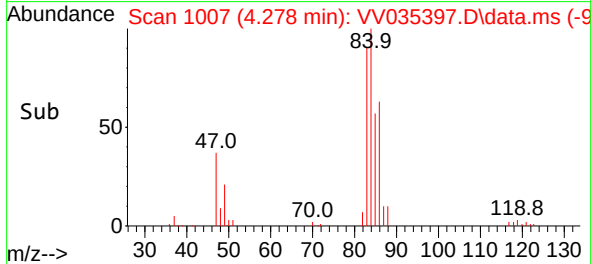
Instrument :  
MSVOA\_V  
ClientSampleId :  
MC0RC8



Tgt Ion: 83 Resp: 83780  
Ion Ratio Lower Upper  
83 100  
85 63.4 46.0 85.4

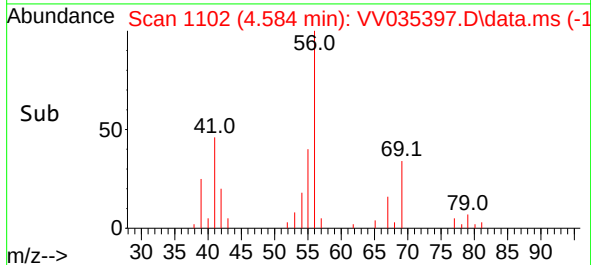
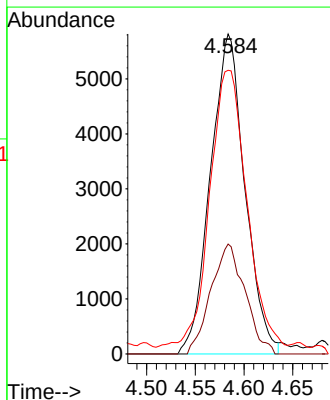
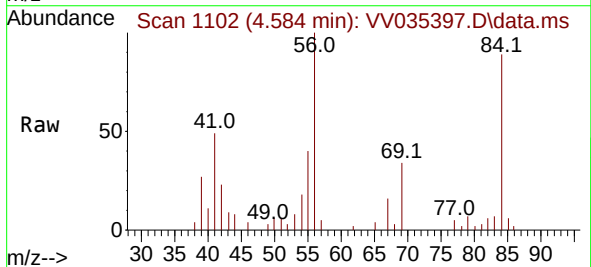
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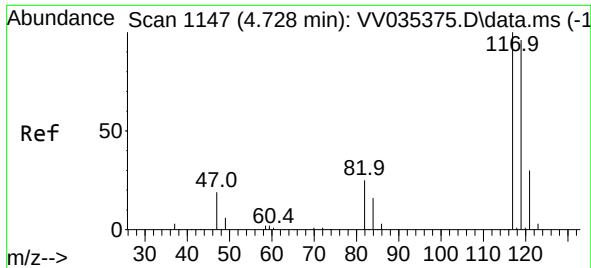
Reviewed By :Mahesh Dadoda 04/25/2024  
Supervised By :Semsettin Yesilyurt 04/25/2024



#29  
Cyclohexane  
Concen: 2.506 ug/L  
RT: 4.584 min Scan# 1102  
Delta R.T. 0.003 min  
Lab File: VV035397.D  
Acq: 24 Apr 2024 19:02

Tgt Ion: 56 Resp: 14317  
Ion Ratio Lower Upper  
56 100  
69 34.0 24.2 36.2  
84 91.8 69.8 104.8





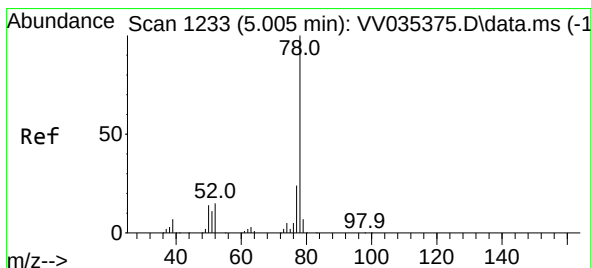
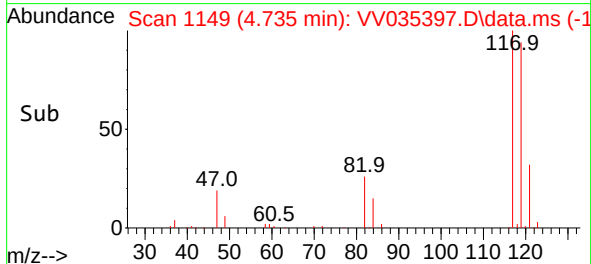
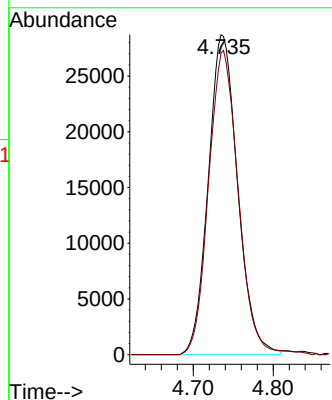
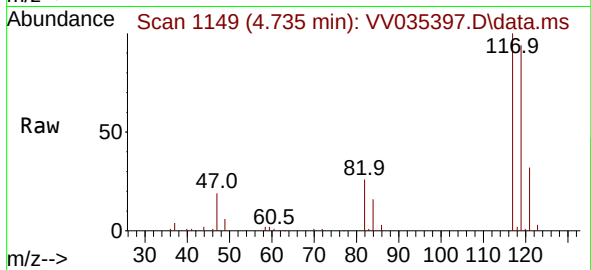
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Carbon tetrachloride  
Concen: 14.518 ug/L  
RT: 4.735 min Scan# 1147  
Delta R.T. 0.006 min  
Lab File: VV035397.D  
Acq: 24 Apr 2024 19:02

Instrument :  
MSVOA\_V  
ClientSampleId :  
MC0RC8

Tgt Ion:117 Resp: 7315  
Ion Ratio Lower Upper  
117 100  
119 96.2 77.1 115.7

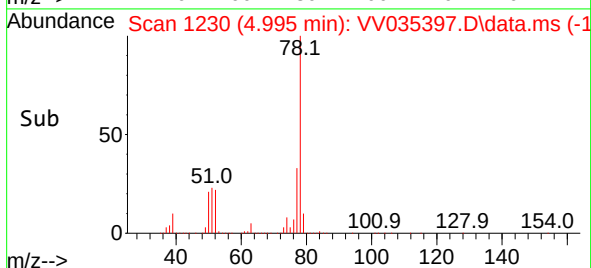
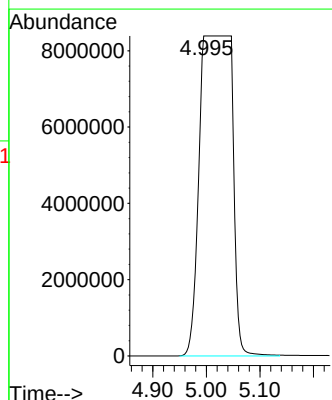
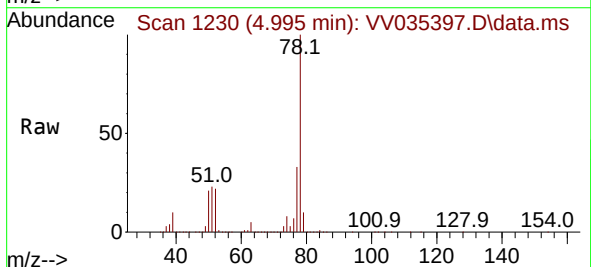
Manual Integrations  
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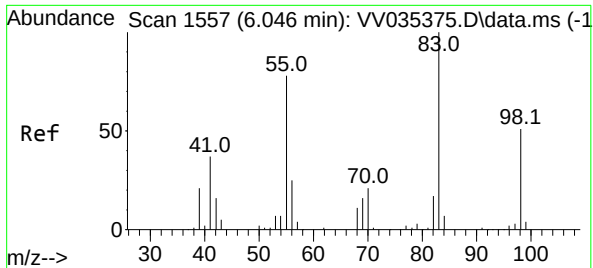
Reviewed By :Mahesh Dadoda 04/25/2024  
Supervised By :Semsettin Yesilyurt 04/25/2024



#33  
Benzene  
Concen: 2393.644 ug/L m  
RT: 4.995 min Scan# 1230  
Delta R.T. -0.010 min  
Lab File: VV035397.D  
Acq: 24 Apr 2024 19:02

Tgt Ion: 78 Resp:35597163





#35

Methylcyclohexane

Concen: 1.479 ug/L m

RT: 6.050 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV035397.D

Acq: 24 Apr 2024 19:02

Instrument :

MSVOA\_V

ClientSampleId :

MC0RC8

Tgt Ion: 83 Resp: 896

Ion Ratio Lower Upper

83 100

55 1.4 60.0 90.0

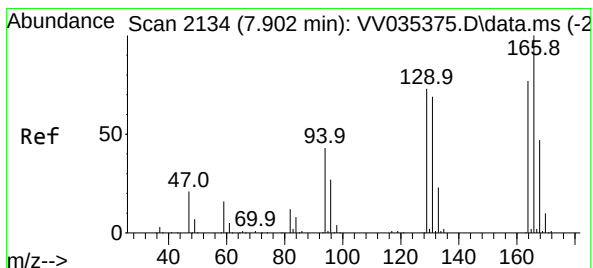
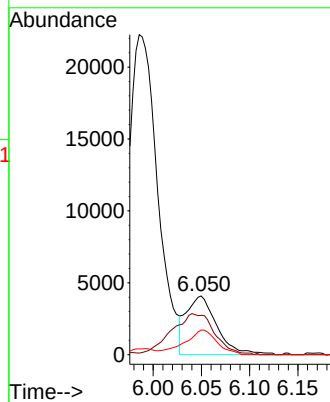
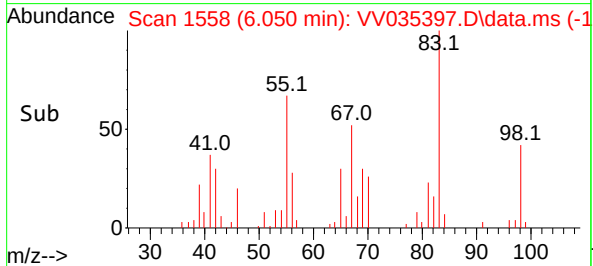
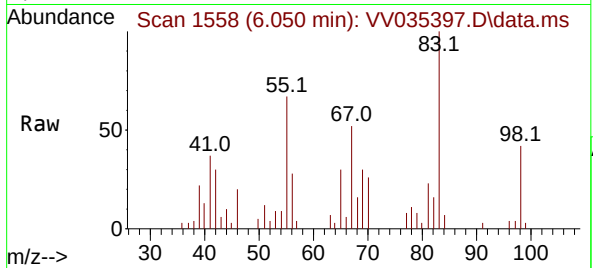
98 3.8 37.6 56.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 04/25/2024

Supervised By :Semsettin Yesilyurt 04/25/2024



#46

Tetrachloroethene

Concen: 1.044 ug/L

RT: 7.915 min Scan# 2138

Delta R.T. 0.013 min

Lab File: VV035397.D

Acq: 24 Apr 2024 19:02

Tgt Ion:164 Resp: 2928

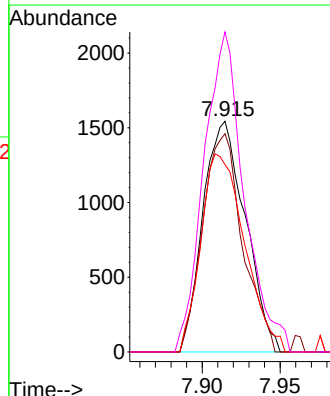
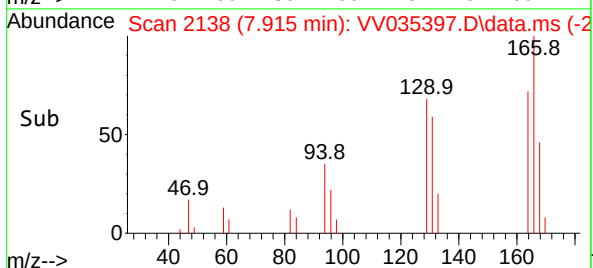
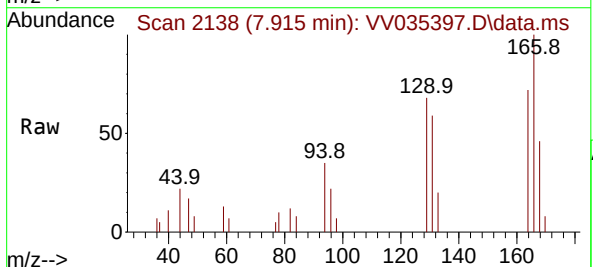
Ion Ratio Lower Upper

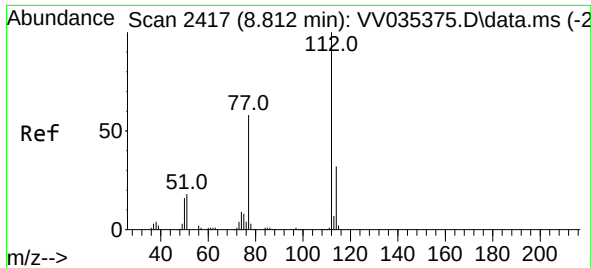
164 100

129 94.6 68.6 127.4

131 81.2 65.7 122.1

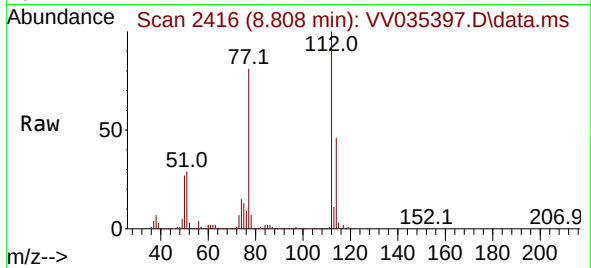
166 138.7 89.0 165.2





#51  
Chlorobenzene  
Concen: 3565.328 ug/L m  
RT: 8.808 min Scan# 2416  
Delta R.T. -0.003 min  
Lab File: VV035397.D  
Acq: 24 Apr 2024 19:02

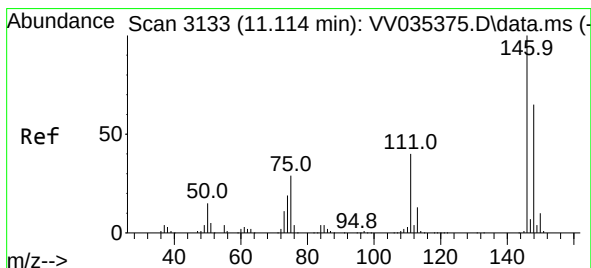
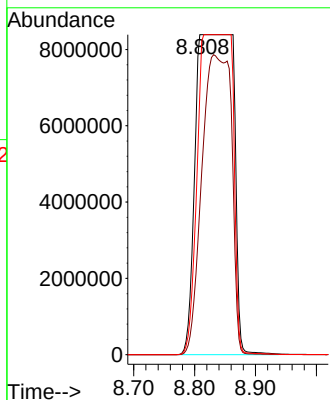
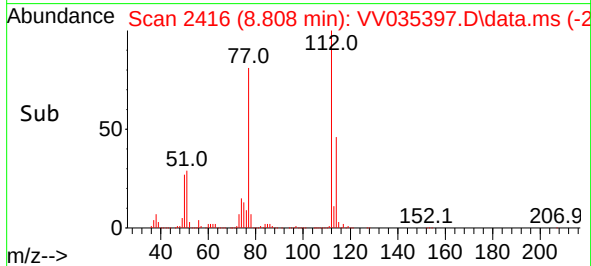
Instrument :  
MSVOA\_V  
ClientSampleId :  
MC0RC8



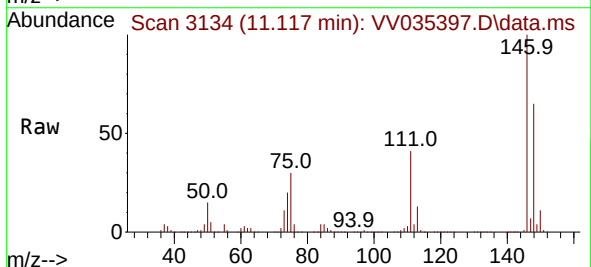
Tgt Ion:112 Resp:3597741  
Ion Ratio Lower Upper  
112 100  
114 46.2 22.0 41.0  
77 81.4 47.4 71.2

Manual Integrations  
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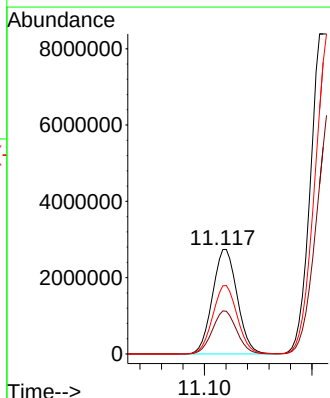
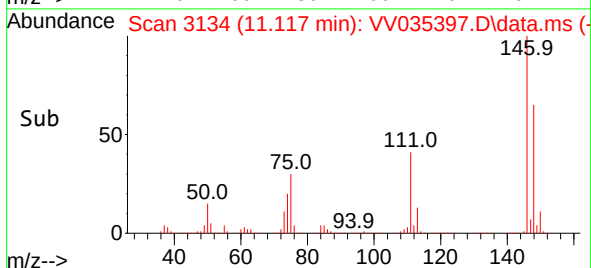
Reviewed By :Mahesh Dadoda 04/25/2024  
Supervised By :Semsettin Yesilyurt 04/25/2024

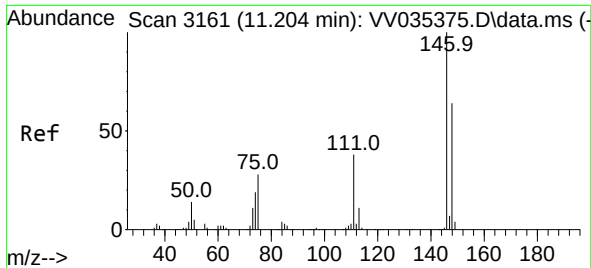


#64  
1,3-Dichlorobenzene  
Concen: 438.749 ug/L  
RT: 11.117 min Scan# 3134  
Delta R.T. 0.003 min  
Lab File: VV035397.D  
Acq: 24 Apr 2024 19:02



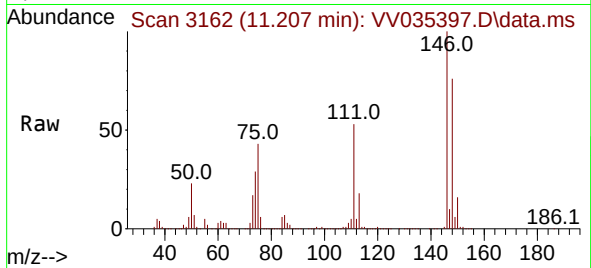
Tgt Ion:146 Resp: 4388860  
Ion Ratio Lower Upper  
146 100  
111 41.2 28.7 53.3  
148 65.2 44.0 81.8





#65  
1,4-Dichlorobenzene  
Concen: 2631.966 ug/L m  
RT: 11.207 min Scan# 3161  
Delta R.T. 0.003 min  
Lab File: VV035397.D  
Acq: 24 Apr 2024 19:02

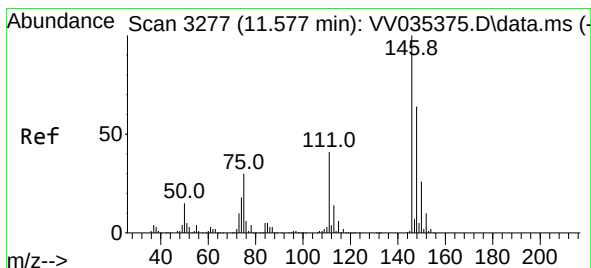
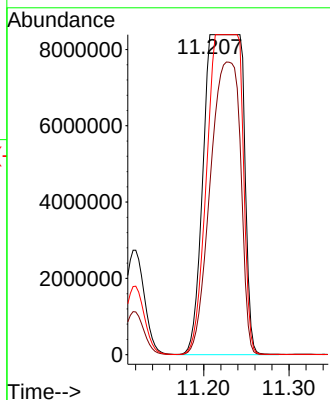
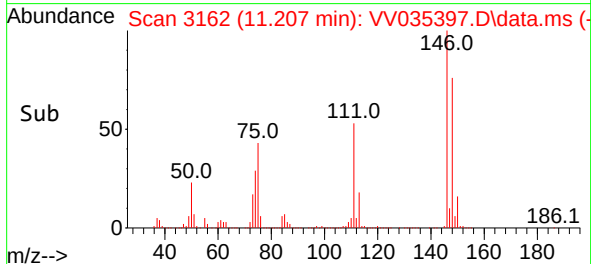
Instrument :  
MSVOA\_V  
ClientSampleId :  
MC0RC8



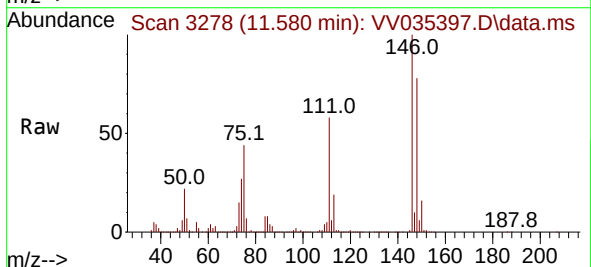
Tgt Ion:146 Resp:2677354  
Ion Ratio Lower Upper  
146 100  
111 53.1 27.4 50.8  
148 76.4 44.2 82.2

Manual Integrations  
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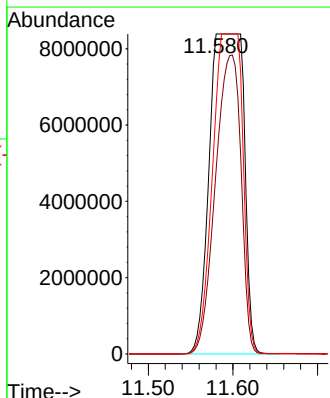
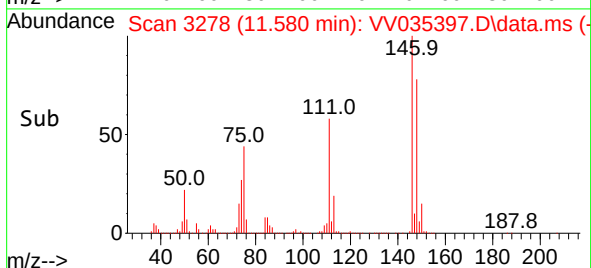
Reviewed By :Mahesh Dadoda 04/25/2024  
Supervised By :Semsettin Yesilyurt 04/25/2024

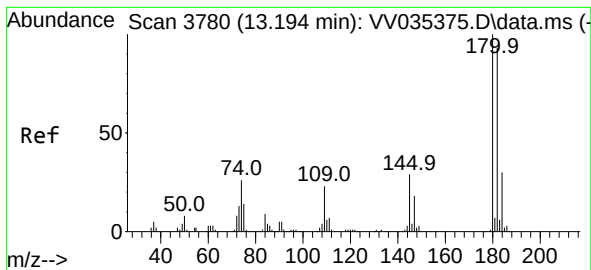


#67  
1,2-Dichlorobenzene  
Concen: 2371.482 ug/L m  
RT: 11.580 min Scan# 3278  
Delta R.T. 0.003 min  
Lab File: VV035397.D  
Acq: 24 Apr 2024 19:02



Tgt Ion:146 Resp:23631563  
Ion Ratio Lower Upper  
146 100  
111 57.6 34.6 52.0#  
148 77.5 51.5 77.3#





#70

1,2,4-trichlorobenzene

Concen: 784.497 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.003 min

Lab File: VV035397.D

Acq: 24 Apr 2024 19:02

Instrument :

MSVOA\_V

ClientSampleId :

MC0RC8

Tgt Ion:180 Resp: 5195130

Ion Ratio Lower Upper

180 100

182 95.9 75.6 113.4

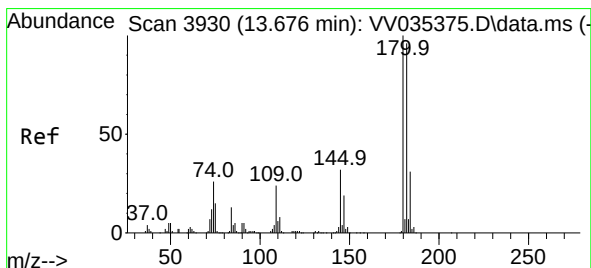
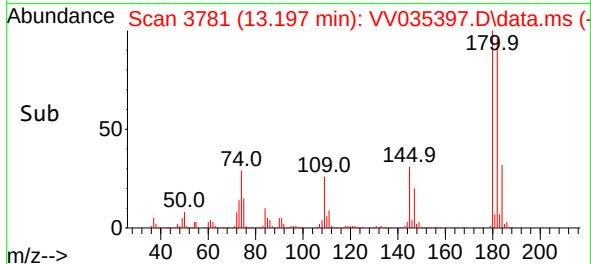
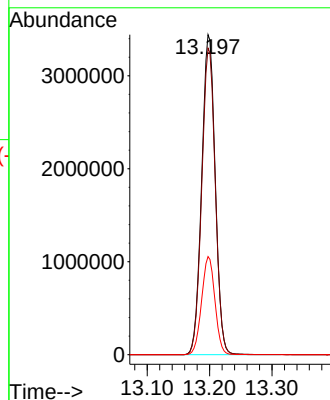
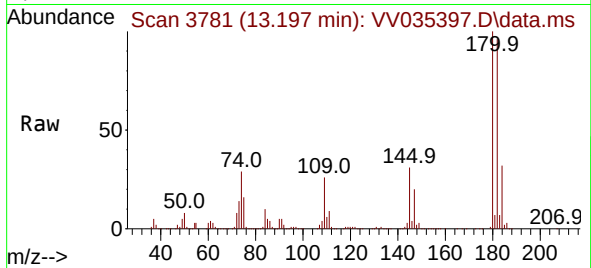
145 30.2 24.1 36.1

Manual Integrations

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Supervised By :Semsettin Yesilyurt 04/25/2024



#72

1,2,3-Trichlorobenzene

Concen: 99.931 ug/L

RT: 13.676 min Scan# 3930

Delta R.T. 0.000 min

Lab File: VV035397.D

Acq: 24 Apr 2024 19:02

Tgt Ion:180 Resp: 652320

Ion Ratio Lower Upper

180 100

182 95.8 76.2 114.2

145 30.7 25.8 38.6

