

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121324\  
 Data File : VX044278.D  
 Acq On : 13 Dec 2024 13:38  
 Operator : JC/MD  
 Sample : P5252-07MSD  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 F7J20MSD

Quant Time: Dec 13 22:48:43 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML120524WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Dec 07 03:56:15 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 12/16/2024  
 Supervised By : Mahesh Dadoda 12/17/2024

| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) 1,4-Difluorobenzene        | 6.757          | 114  | 206633     | 50.000  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.055         | 117  | 182352     | 50.000  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.018         | 152  | 84743      | 50.000  | ug/L   | 0.00     |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 4) Vinyl Chloride-d3          | 1.368          | 65   | 74426      | 39.359  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 78.720% |        |          |
| 7) Chloroethane-d5            | 1.648          | 69   | 60582m     | 41.359  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 82.720% |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.294          | 65   | 32582      | 40.290  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 80.580% |        |          |
| 21) 2-Butanone-d5             | 4.465          | 46   | 108095     | 93.368  | ug/L   | 0.01     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 93.370% |        |          |
| 24) Chloroform-d              | 5.050          | 84   | 167718     | 46.714  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 93.420% |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.952          | 65   | 113863     | 44.846  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 89.700% |        |          |
| 32) Benzene-d6                | 5.970          | 84   | 291696     | 46.295  | ug/L   | 0.01     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 92.580% |        |          |
| 36) 1,2-Dichloropropane-d6    | 7.305          | 67   | 91435      | 46.735  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 93.460% |        |          |
| 41) Toluene-d8                | 8.647          | 98   | 255669     | 43.885  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 87.760% |        |          |
| 43) trans-1,3-Dichloroprop... | 8.945          | 79   | 43133      | 45.877  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 91.760% |        |          |
| 47) 2-Hexanone-d5             | 9.384          | 63   | 73010      | 95.708  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 95.710% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 11.189         | 84   | 126999     | 48.410  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 96.820% |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.317         | 152  | 90779      | 45.976  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 91.960% |        |          |
| Target Compounds              |                |      |            |         |        |          |
|                               |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.166          | 85   | 78992      | 47.139  | ug/L   | 99       |
| 3) Chloromethane              | 1.294          | 50   | 75983      | 49.152  | ug/L   | 96       |
| 5) Vinyl chloride             | 1.374          | 62   | 79987      | 47.959  | ug/L   | 95       |
| 6) Bromomethane               | 1.593          | 94   | 56381      | 49.737  | ug/L   | 98       |
| 8) Chloroethane               | 1.660          | 64   | 49657      | 44.974  | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 1.867          | 101  | 139418     | 44.865  | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.319          | 101  | 66648      | 48.699  | ug/L   | 93       |
| 12) 1,1-Dichloroethene        | 2.306          | 96   | 60798      | 49.911  | ug/L # | 69       |
| 13) Acetone                   | 2.386          | 43   | 67878      | 65.890  | ug/L   | 92       |
| 14) Carbon disulfide          | 2.501          | 76   | 101259     | 43.881  | ug/L   | 97       |
| 15) Methyl Acetate            | 2.703          | 43   | 76165      | 45.593  | ug/L   | 96       |
| 16) Methylene chloride        | 2.782          | 84   | 70684      | 50.424  | ug/L   | 90       |
| 17) trans-1,2-Dichloroethene  | 3.087          | 96   | 61456      | 48.441  | ug/L   | 96       |
| 18) Methyl tert-butyl Ether   | 3.117          | 73   | 245362     | 47.929  | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.599          | 63   | 134749     | 50.629  | ug/L   | 96       |
| 20) cis-1,2-Dichloroethene    | 4.483          | 96   | 77534      | 49.992  | ug/L   | 93       |
| 22) 2-Butanone                | 4.562          | 43   | 103503     | 83.244  | ug/L   | 97       |
| 23) Bromochloromethane        | 4.897          | 128  | 39153      | 51.766  | ug/L   | 90       |
| 25) Chloroform                | 5.092          | 83   | 150038     | 50.088  | ug/L   | 95       |

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 Sample : P5252-07MSD  
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 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 F7J20MSD

Quant Time: Dec 13 22:48:43 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM120524WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Dec 07 03:56:15 2024  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 12/16/2024  
 Supervised By :Mahesh Dadoda 12/17/2024

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 27) 1,2-Dichloroethane        | 6.080  | 62   | 122624   | 49.241  | ug/L   | 96       |
| 29) Cyclohexane               | 5.458  | 56   | 110415   | 48.802  | ug/L   | 96       |
| 30) 1,1,1-Trichloroethane     | 5.379  | 97   | 125615   | 50.746  | ug/L   | 97       |
| 31) Carbon tetrachloride      | 5.672  | 117  | 98850    | 50.984  | ug/L   | 98       |
| 33) Benzene                   | 6.031  | 78   | 284389   | 51.357  | ug/L   | 100      |
| 34) Trichloroethene           | 7.123  | 95   | 282352   | 186.761 | ug/L   | 96       |
| 35) Methylcyclohexane         | 7.373  | 83   | 108394   | 49.493  | ug/L   | 96       |
| 37) 1,2-Dichloropropane       | 7.427  | 63   | 76974    | 51.767  | ug/L   | 100      |
| 38) Bromodichloromethane      | 7.818  | 83   | 98460    | 50.542  | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 8.366  | 75   | 119617   | 51.361  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 8.574  | 43   | 213920   | 92.929  | ug/L   | 94       |
| 42) Toluene                   | 8.714  | 91   | 296789   | 50.583  | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 8.976  | 75   | 109103   | 49.425  | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 9.153  | 97   | 76030    | 49.896  | ug/L   | 99       |
| 46) Tetrachloroethene         | 9.269  | 164  | 67134    | 66.568  | ug/L   | 94       |
| 48) 2-Hexanone                | 9.433  | 43   | 158518   | 87.459  | ug/L   | 94       |
| 49) Dibromochloromethane      | 9.518  | 129  | 67359    | 50.012  | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 9.610  | 107  | 78987    | 50.195  | ug/L   | 96       |
| 51) Chlorobenzene             | 10.079 | 112  | 184790   | 49.090  | ug/L   | 99       |
| 52) Ethylbenzene              | 10.189 | 91   | 323653   | 50.078  | ug/L   | 99       |
| 53) m,p-Xylene                | 10.299 | 106  | 120323   | 51.400  | ug/L   | 96       |
| 54) o-Xylene                  | 10.640 | 106  | 120481   | 50.050  | ug/L   | 99       |
| 55) Styrene                   | 10.652 | 104  | 197505   | 50.306  | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 11.207 | 83   | 118929   | 50.313  | ug/L # | 97       |
| 59) Bromoform                 | 10.799 | 173  | 40045    | 47.095  | ug/L   | 97       |
| 60) Isopropylbenzene          | 10.957 | 105  | 317892   | 48.613  | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 11.238 | 75   | 90055    | 45.882  | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 261977   | 48.275  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 260485   | 48.909  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.969 | 146  | 131659   | 48.548  | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 12.036 | 146  | 132971   | 48.997  | ug/L   | 100      |
| 67) 1,2-Dichlorobenzene       | 12.335 | 146  | 136203   | 49.464  | ug/L   | 95       |
| 68) 1,2-Dibromo-3-chloropr... | 12.939 | 75   | 20115    | 45.093  | ug/L   | 93       |
| 69) 1,3,5-Trichlorobenzene    | 13.109 | 180  | 80659    | 47.670  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.585 | 180  | 72755    | 48.272  | ug/L   | 98       |
| 71) Naphthalene               | 13.774 | 128  | 278217   | 45.278  | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 77434    | 48.363  | ug/L   | 99       |

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

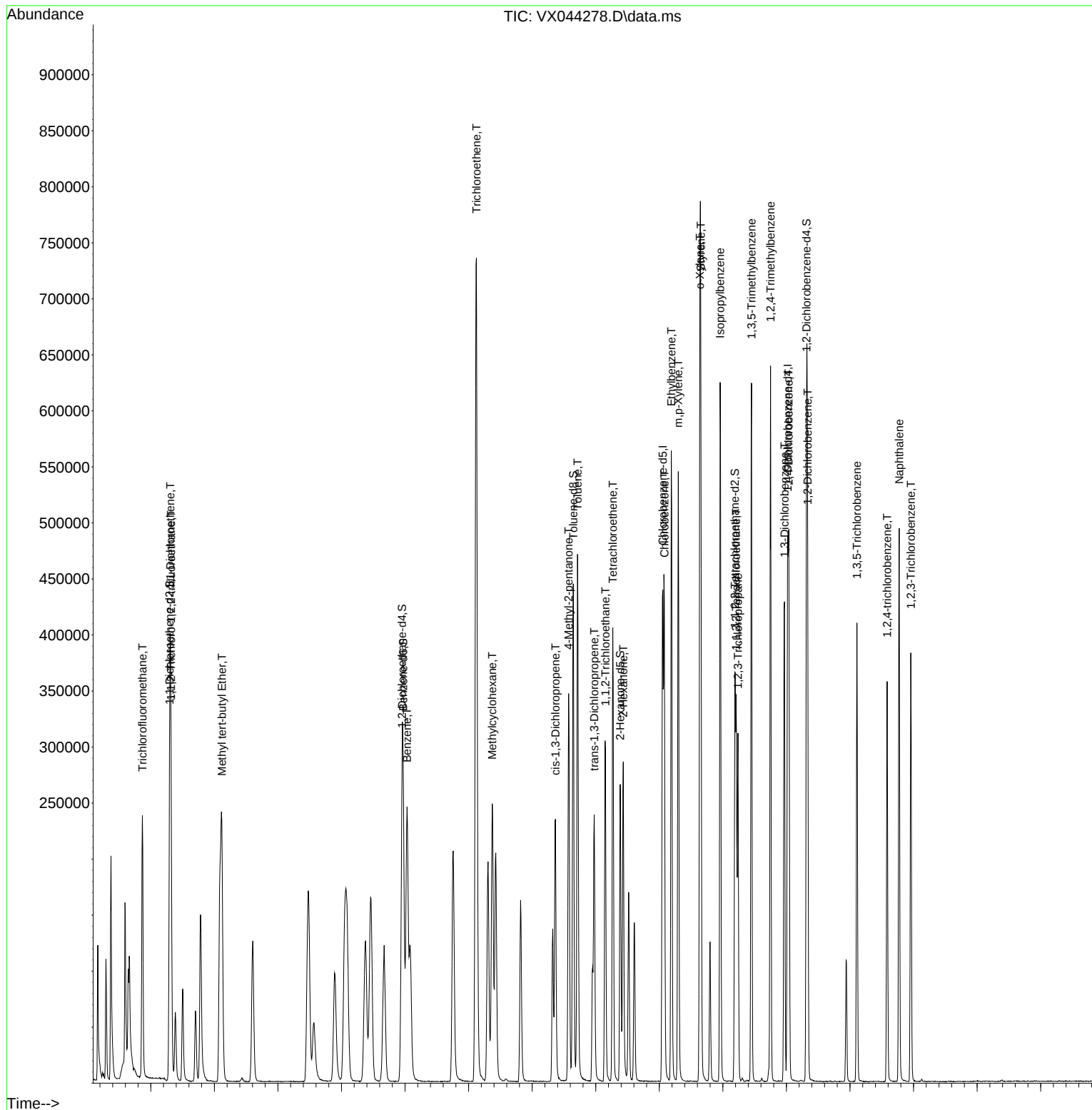
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Data File : VX044278.D  
Acq On : 13 Dec 2024 13:38  
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Sample : P5252-07MSD  
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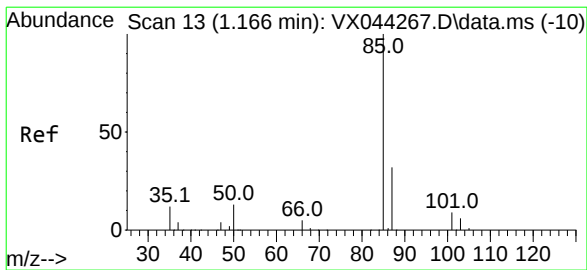
Instrument :  
MSVOA\_X  
ClientSampleId :  
F7J20MSD

Quant Time: Dec 13 22:48:43 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM120524WMA.M  
Quant Title : VOC Analysis  
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Response via : Initial Calibration

Manual Integrations  
APPROVED

Reviewed By : John Carlone 12/16/2024  
Supervised By : Mahesh Dadoda 12/17/2024





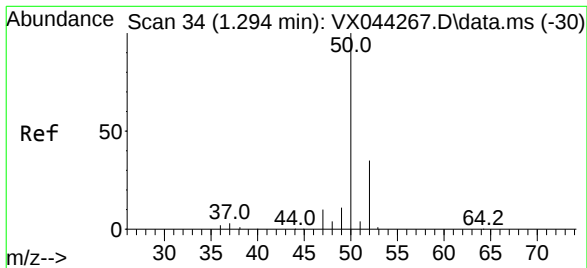
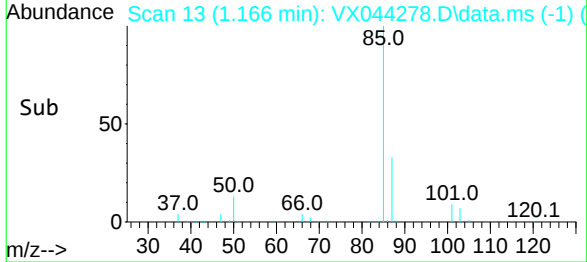
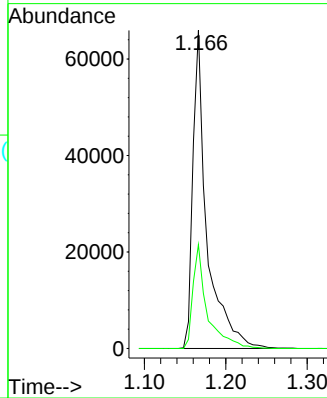
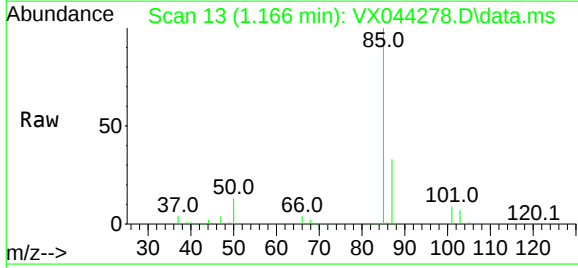
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Dichlorodifluoromethane  
Concen: 47.139 ug/L  
RT: 1.166 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VX044278.D  
Acq: 13 Dec 2024 13:38

Instrument :  
MSVOA\_X  
ClientSampleId :  
F7J20MSD

Tgt Ion: 85 Resp: 78992  
Ion Ratio Lower Upper  
85 100  
87 33.2 26.1 39.1

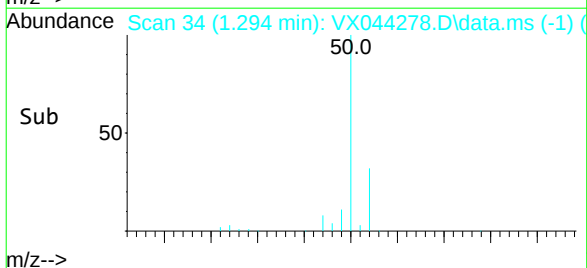
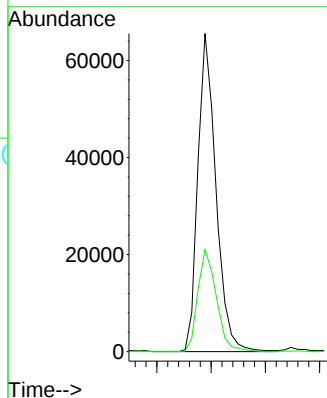
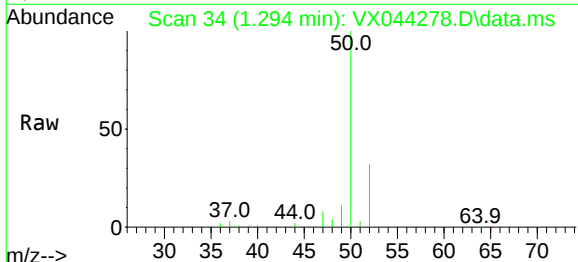
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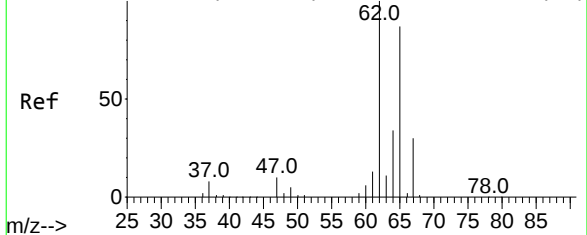


#3  
Chloromethane  
Concen: 49.152 ug/L  
RT: 1.294 min Scan# 34  
Delta R.T. -0.000 min  
Lab File: VX044278.D  
Acq: 13 Dec 2024 13:38

Tgt Ion: 50 Resp: 75983  
Ion Ratio Lower Upper  
50 100  
52 32.0 23.9 44.3



Abundance Scan 47 (1.374 min): VX044267.D\data.ms (-43)



#5

Vinyl chloride

Concen: 47.959 ug/L

RT: 1.374 min Scan# 47

Delta R.T. -0.000 min

Lab File: VX044278.D

Acq: 13 Dec 2024 13:38

Instrument :

MSVOA\_X

ClientSampleId :

F7J20MSD

Tgt Ion: 62 Resp: 79987

Ion Ratio Lower Upper

62 100

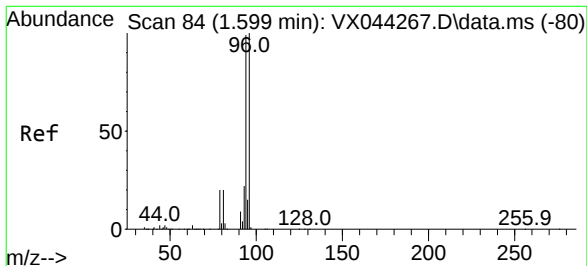
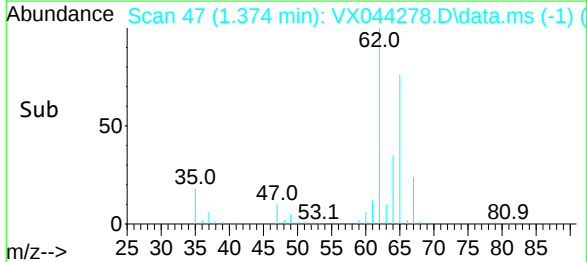
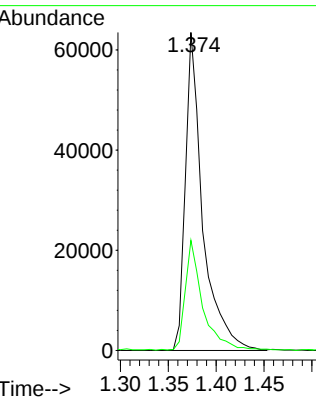
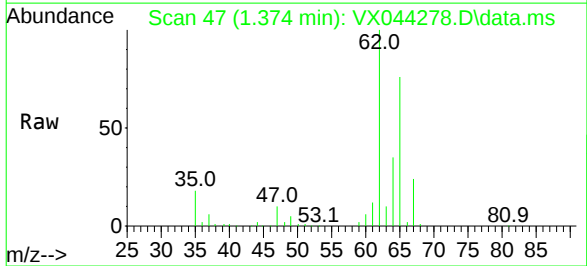
64 34.6 22.2 41.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2024

Supervised By :Mahesh Dadoda 12/17/2024



#6

Bromomethane

Concen: 49.737 ug/L

RT: 1.593 min Scan# 83

Delta R.T. -0.000 min

Lab File: VX044278.D

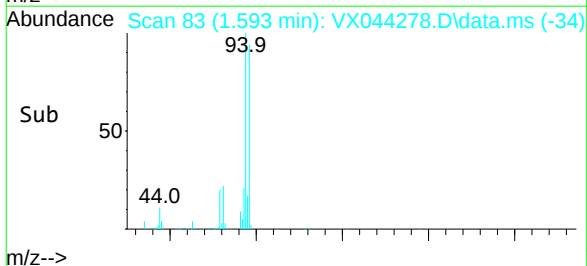
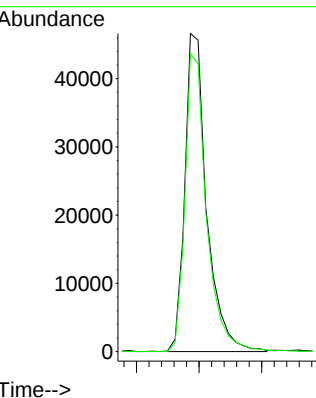
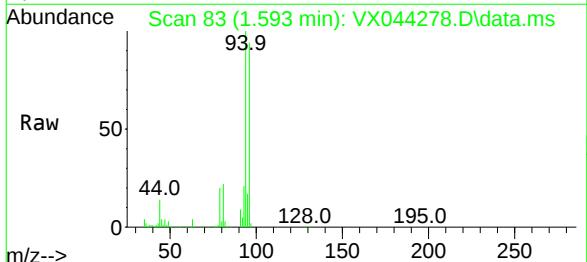
Acq: 13 Dec 2024 13:38

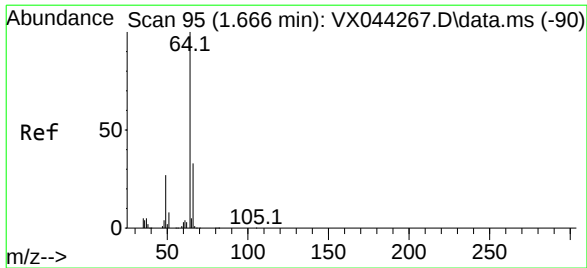
Tgt Ion: 94 Resp: 56381

Ion Ratio Lower Upper

94 100

96 93.7 64.2 119.2





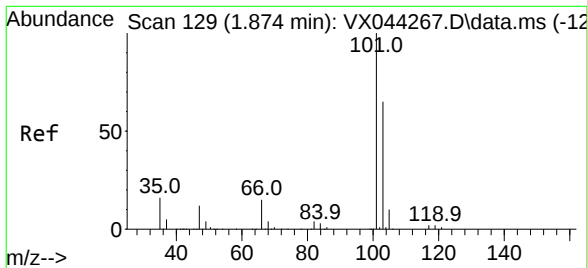
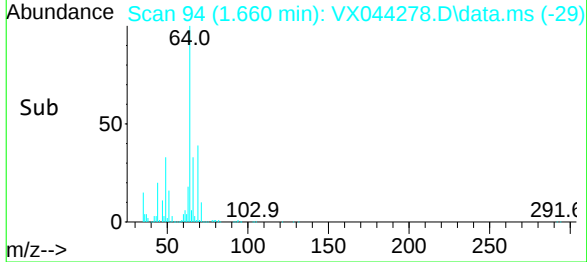
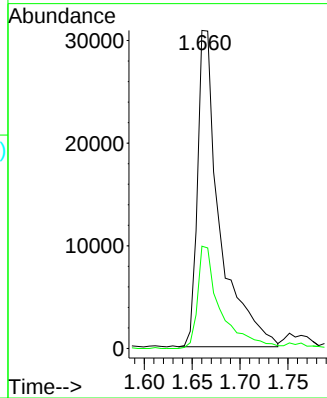
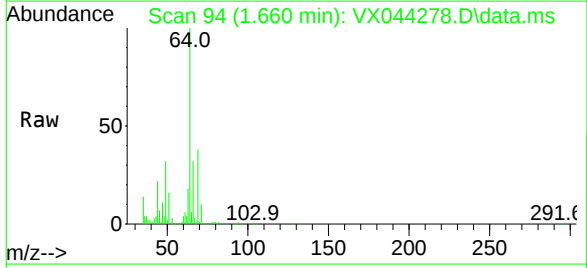
#8  
Chloroethane  
Concen: 44.974 ug/L  
RT: 1.660 min Scan# 94  
Delta R.T. -0.006 min  
Lab File: VX044278.D  
Acq: 13 Dec 2024 13:38

Instrument :  
MSVOA\_X  
ClientSampleId :  
F7J20MSD

Tgt Ion: 64 Resp: 49657  
Ion Ratio Lower Upper  
64 100  
66 32.2 21.5 39.9

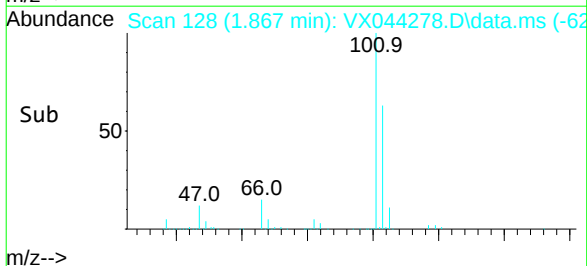
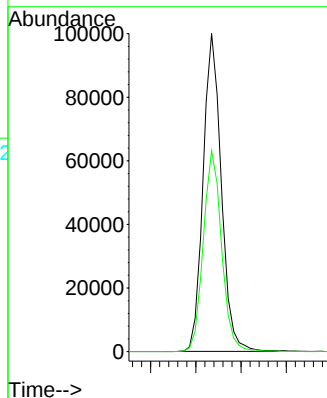
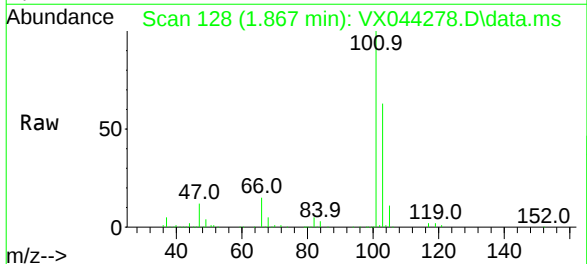
Manual Integrations  
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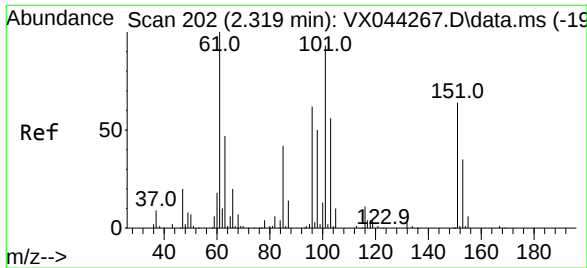
Reviewed By :John Carlone 12/16/2024  
Supervised By :Mahesh Dadoda 12/17/2024



#9  
Trichlorofluoromethane  
Concen: 44.865 ug/L  
RT: 1.867 min Scan# 128  
Delta R.T. -0.000 min  
Lab File: VX044278.D  
Acq: 13 Dec 2024 13:38

Tgt Ion:101 Resp: 139418  
Ion Ratio Lower Upper  
101 100  
103 63.9 50.8 76.2





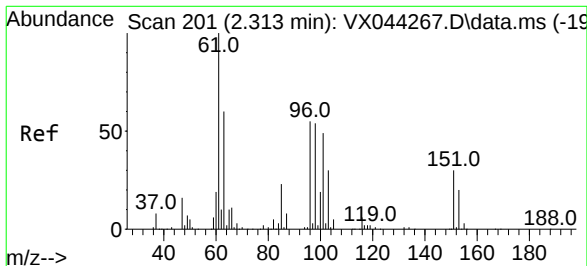
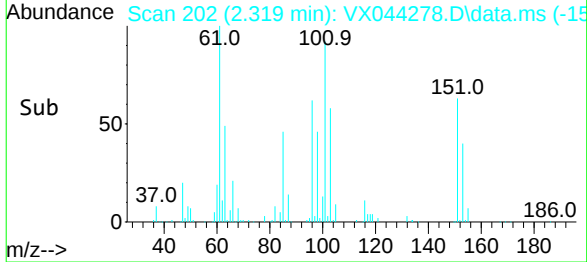
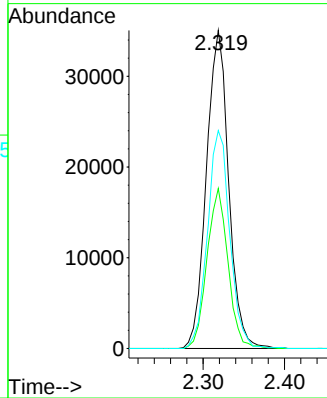
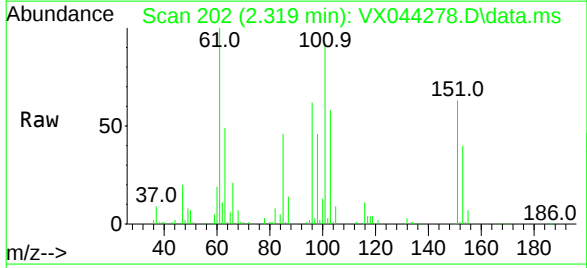
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1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 48.699 ug/L  
RT: 2.319 min Scan# 200  
Delta R.T. -0.000 min  
Lab File: VX044278.D  
Acq: 13 Dec 2024 13:38

Instrument :  
MSVOA\_X  
ClientSampleId :  
F7J20MSD

Tgt Ion:101 Resp: 66648  
Ion Ratio Lower Upper  
101 100  
85 47.6 33.9 50.9  
151 68.4 58.5 87.7

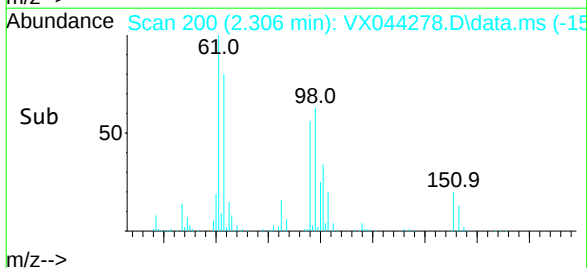
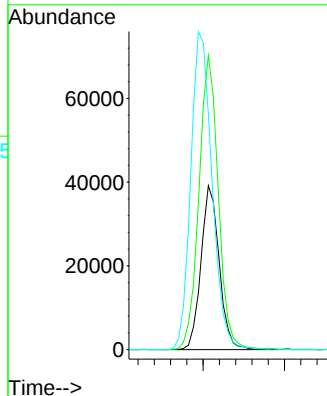
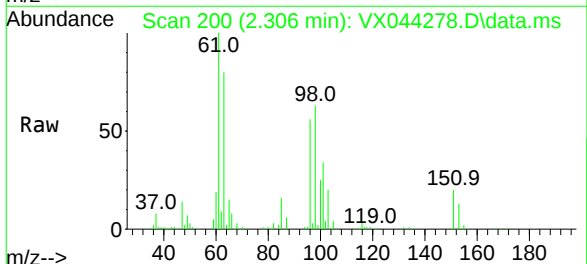
Manual Integrations  
APPROVED

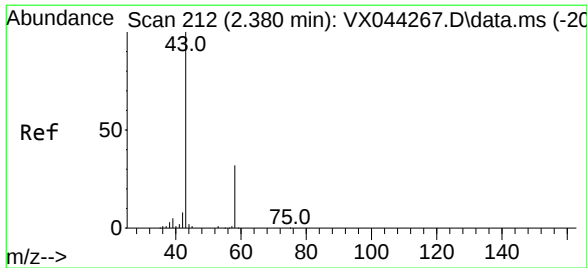
Reviewed By :John Carlone 12/16/2024  
Supervised By :Mahesh Dadoda 12/17/2024



#12  
1,1-Dichloroethene  
Concen: 49.911 ug/L  
RT: 2.306 min Scan# 200  
Delta R.T. -0.000 min  
Lab File: VX044278.D  
Acq: 13 Dec 2024 13:38

Tgt Ion: 96 Resp: 60798  
Ion Ratio Lower Upper  
96 100  
61 179.4 109.3 203.1  
63 143.8 65.7 122.1#





#13

Acetone

Concen: 65.890 ug/L

RT: 2.386 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX044278.D

Acq: 13 Dec 2024 13:38

Instrument :

MSVOA\_X

ClientSampleId :

F7J20MSD

Tgt Ion: 43 Resp: 67878

Ion Ratio Lower Upper

43 100

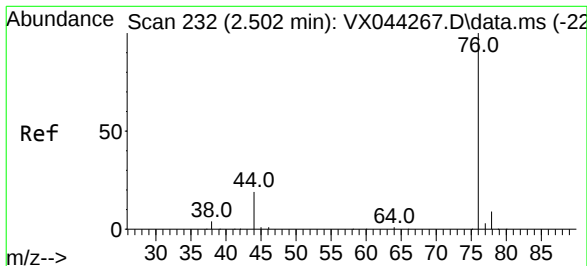
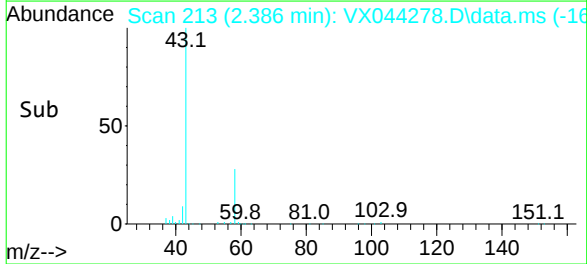
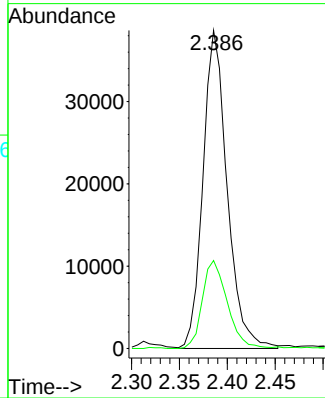
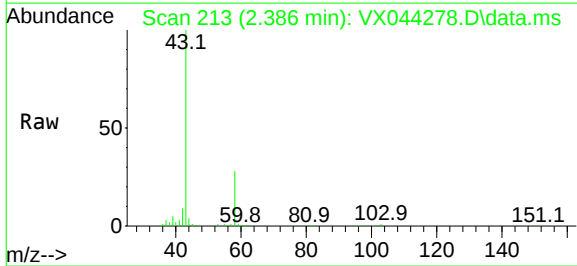
58 28.4 0.0 66.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2024

Supervised By :Mahesh Dadoda 12/17/2024



#14

Carbon disulfide

Concen: 43.881 ug/L

RT: 2.501 min Scan# 232

Delta R.T. -0.000 min

Lab File: VX044278.D

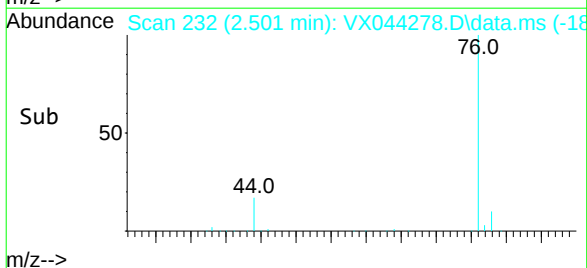
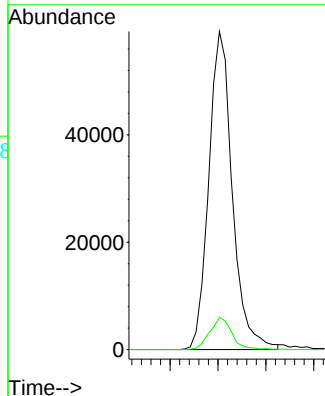
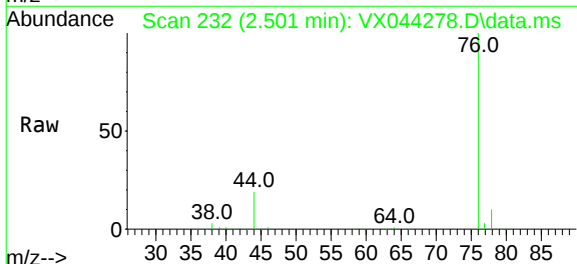
Acq: 13 Dec 2024 13:38

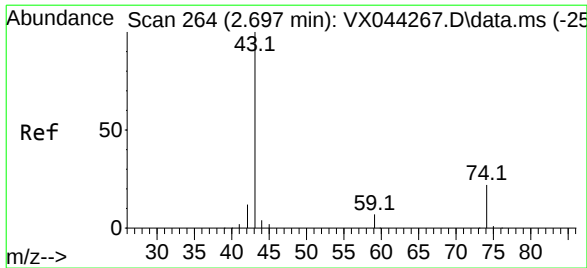
Tgt Ion: 76 Resp: 101259

Ion Ratio Lower Upper

76 100

78 10.2 7.2 10.8





#15

Methyl Acetate

Concen: 45.593 ug/L

RT: 2.703 min Scan# 264

Delta R.T. -0.000 min

Lab File: VX044278.D

Acq: 13 Dec 2024 13:38

Instrument :

MSVOA\_X

ClientSampleId :

F7J20MSD

Tgt Ion: 43 Resp: 76165

Ion Ratio Lower Upper

43 100

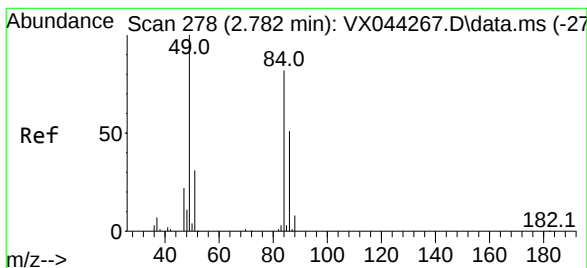
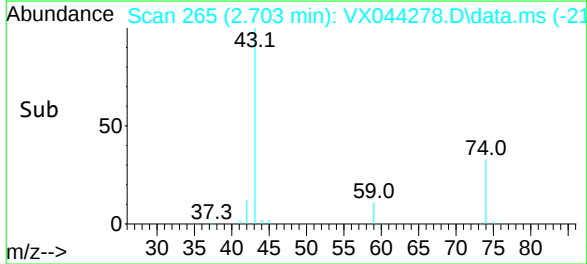
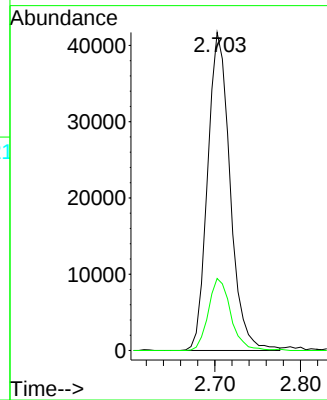
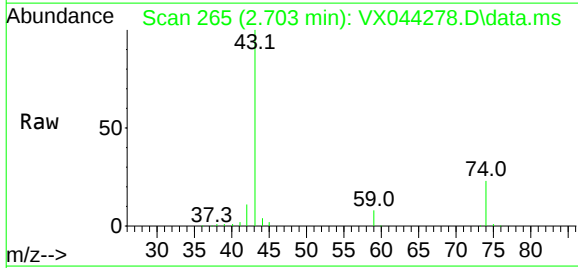
74 22.4 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2024

Supervised By :Mahesh Dadoda 12/17/2024



#16

Methylene chloride

Concen: 50.424 ug/L

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX044278.D

Acq: 13 Dec 2024 13:38

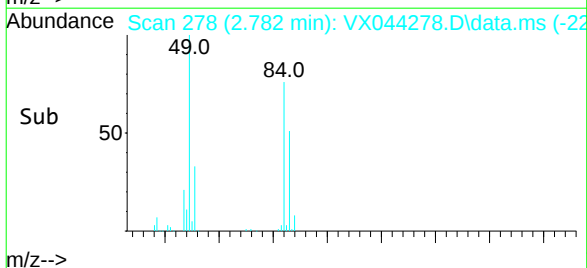
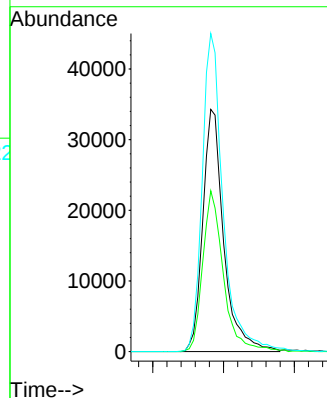
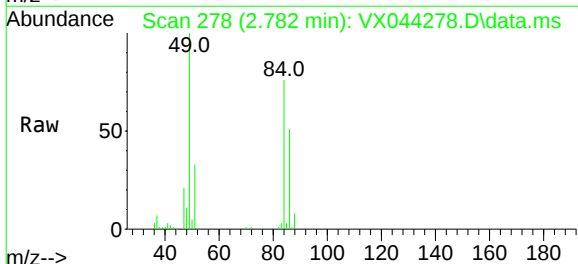
Tgt Ion: 84 Resp: 70684

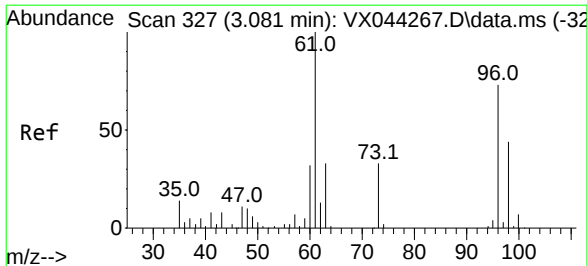
Ion Ratio Lower Upper

84 100

86 66.4 46.0 85.4

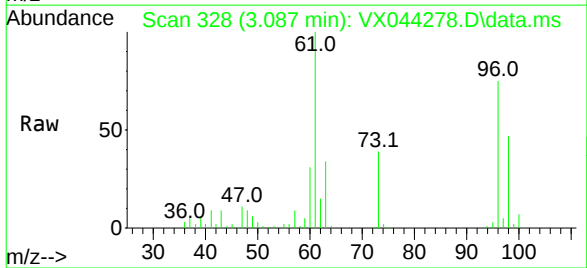
49 131.3 80.8 150.2





#17  
trans-1,2-Dichloroethene  
Concen: 48.441 ug/L  
RT: 3.087 min Scan# 327  
Delta R.T. -0.000 min  
Lab File: VX044278.D  
Acq: 13 Dec 2024 13:38

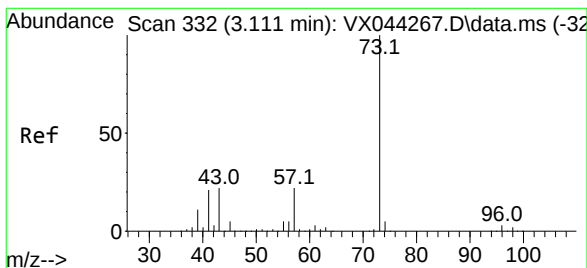
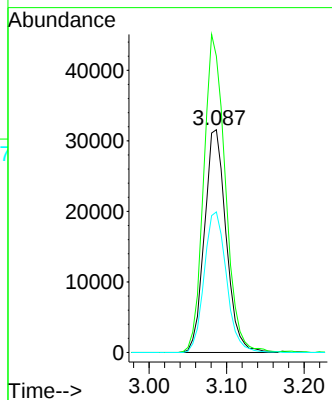
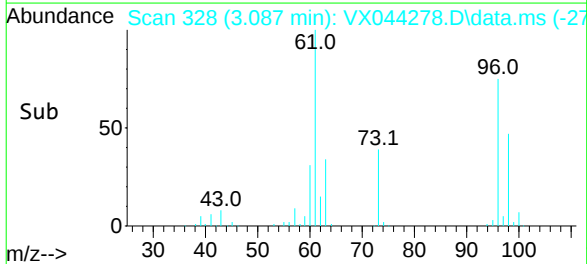
Instrument :  
MSVOA\_X  
ClientSampleId :  
F7J20MSD



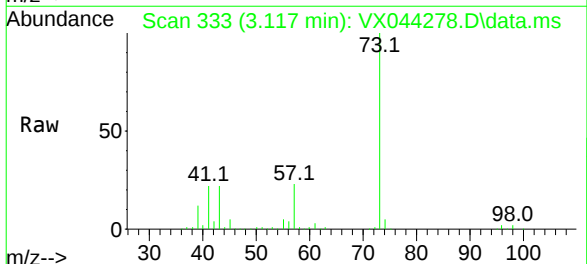
Tgt Ion: 96 Resp: 61456  
Ion Ratio Lower Upper  
96 100  
61 133.0 95.7 177.7  
98 63.1 47.2 87.6

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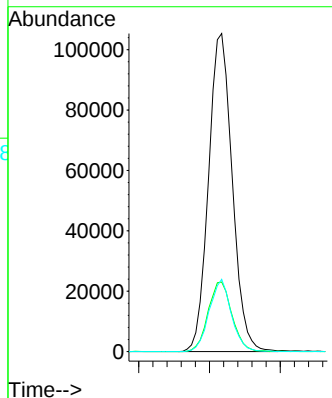
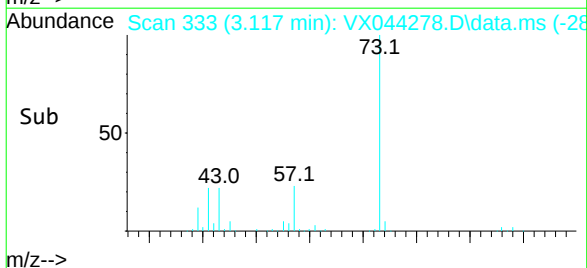
Reviewed By :John Carlone 12/16/2024  
Supervised By :Mahesh Dadoda 12/17/2024

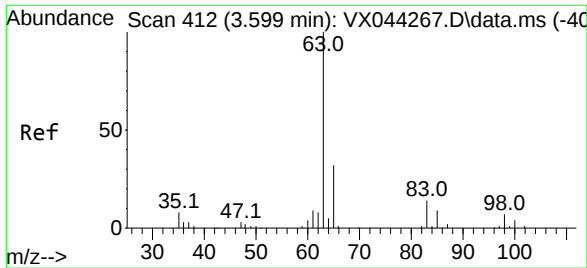


#18  
Methyl tert-butyl Ether  
Concen: 47.929 ug/L  
RT: 3.117 min Scan# 333  
Delta R.T. 0.006 min  
Lab File: VX044278.D  
Acq: 13 Dec 2024 13:38



Tgt Ion: 73 Resp: 245362  
Ion Ratio Lower Upper  
73 100  
43 21.9 15.2 22.8  
57 21.1 17.0 25.6





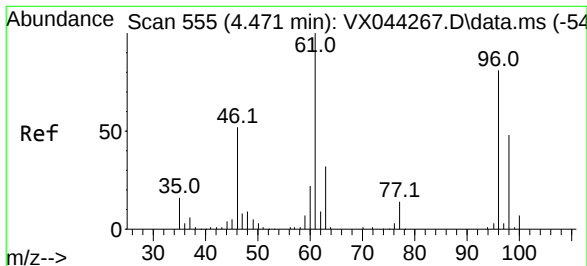
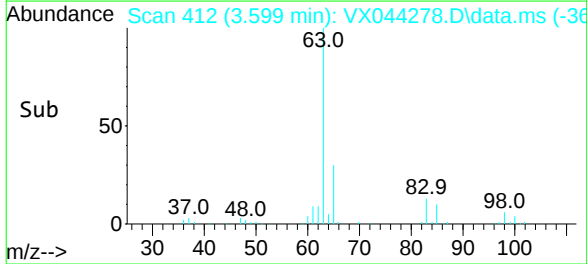
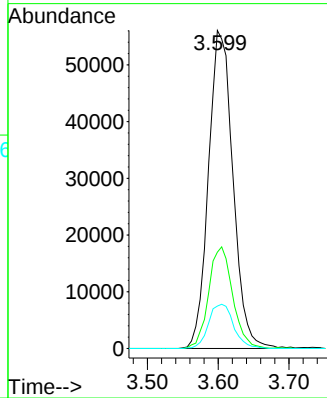
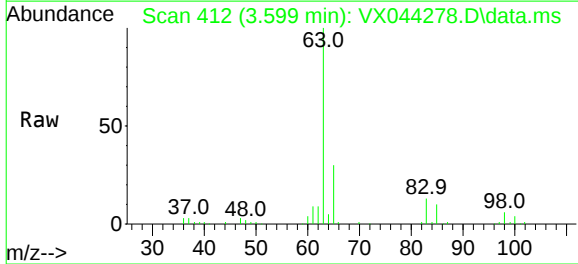
#19  
1,1-Dichloroethane  
Concen: 50.629 ug/L  
RT: 3.599 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VX044278.D  
Acq: 13 Dec 2024 13:38

Instrument :  
MSVOA\_X  
ClientSampleId :  
F7J20MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 63    | Resp: | 134749 |
| Ion      | Ratio | Lower | Upper  |
| 63       | 100   |       |        |
| 65       | 30.3  | 23.2  | 43.2   |
| 83       | 13.3  | 10.0  | 18.6   |

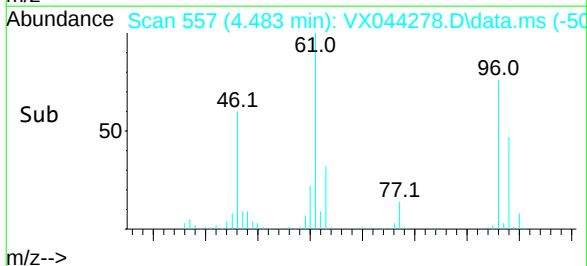
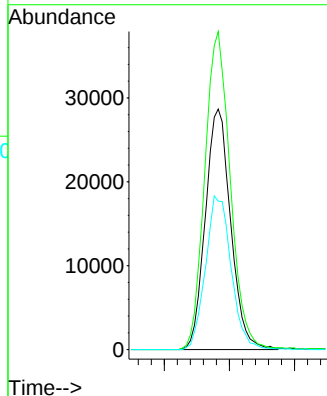
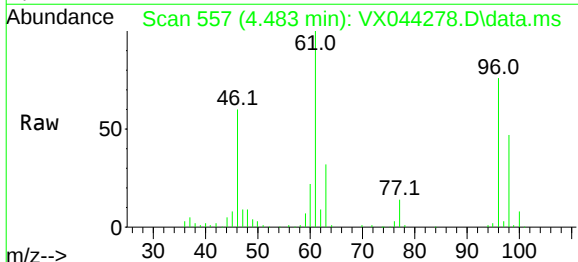
Manual Integrations  
APPROVED

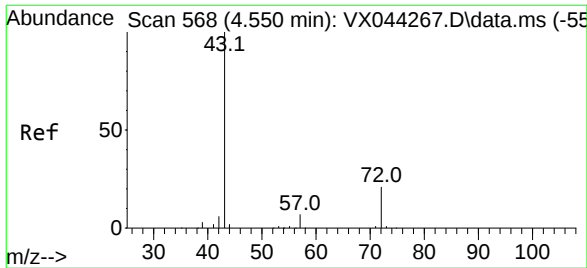
Reviewed By :John Carlone 12/16/2024  
Supervised By :Mahesh Dadoda 12/17/2024



#20  
cis-1,2-Dichloroethene  
Concen: 49.992 ug/L  
RT: 4.483 min Scan# 557  
Delta R.T. 0.006 min  
Lab File: VX044278.D  
Acq: 13 Dec 2024 13:38

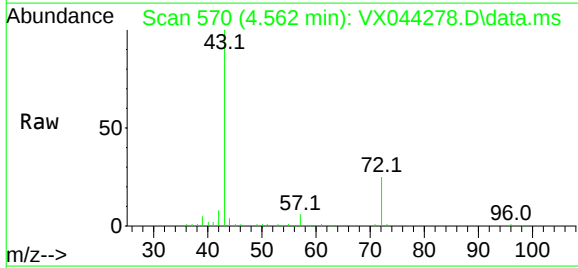
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 77534 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 132.2 | 85.0  | 158.0 |
| 98       | 61.7  | 44.6  | 82.8  |





#22  
2-Butanone  
Concen: 83.244 ug/L  
RT: 4.562 min Scan# 57  
Delta R.T. 0.006 min  
Lab File: VX044278.D  
Acq: 13 Dec 2024 13:38

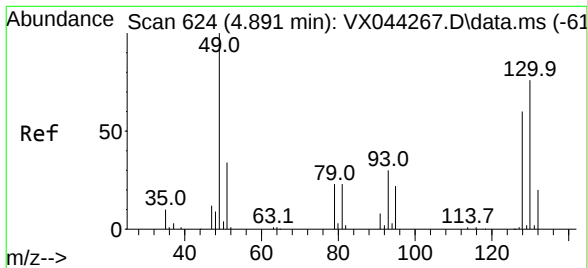
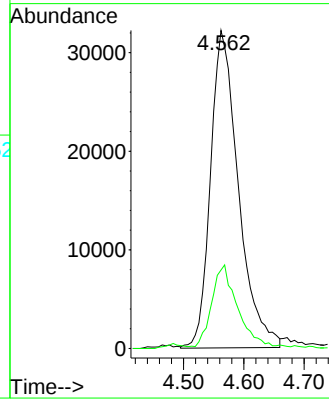
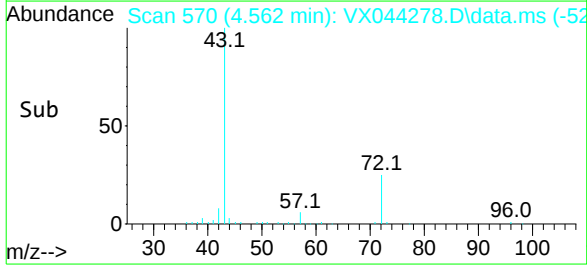
Instrument :  
MSVOA\_X  
ClientSampleId :  
F7J20MSD



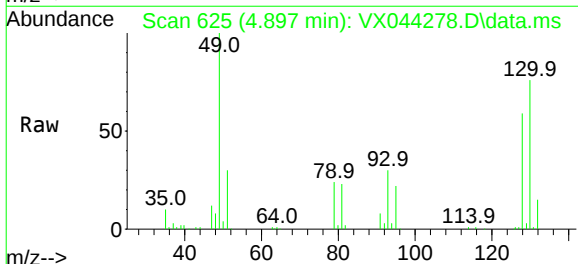
Tgt Ion: 43 Resp: 103503  
Ion Ratio Lower Upper  
43 100  
72 24.5 13.1 39.3

Manual Integrations  
APPROVED

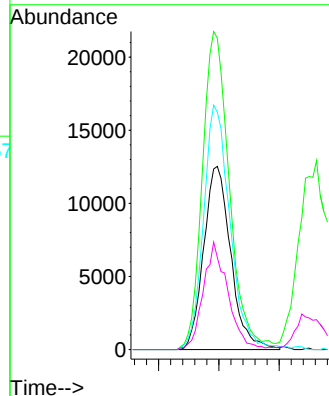
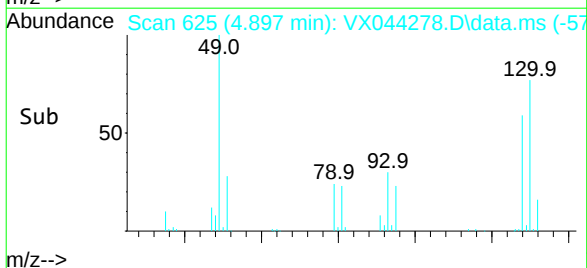
Reviewed By :John Carlone 12/16/2024  
Supervised By :Mahesh Dadoda 12/17/2024

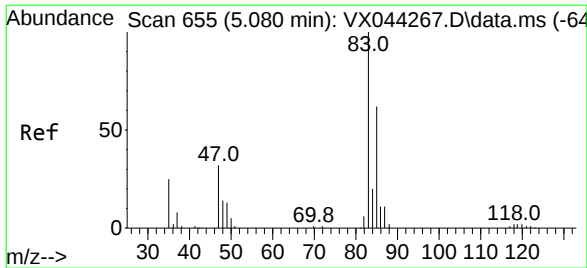


#23  
Bromochloromethane  
Concen: 51.766 ug/L  
RT: 4.897 min Scan# 625  
Delta R.T. 0.012 min  
Lab File: VX044278.D  
Acq: 13 Dec 2024 13:38



Tgt Ion:128 Resp: 39153  
Ion Ratio Lower Upper  
128 100  
49 170.1 103.7 192.5  
130 129.6 89.1 165.5  
51 50.3 36.6 55.0





#25

Chloroform

Concen: 50.088 ug/L

RT: 5.092 min Scan# 655

Delta R.T. 0.012 min

Lab File: VX044278.D

Acq: 13 Dec 2024 13:38

Instrument :

MSVOA\_X

ClientSampleId :

F7J20MSD

Tgt Ion: 83 Resp: 150038

Ion Ratio Lower Upper

83 100

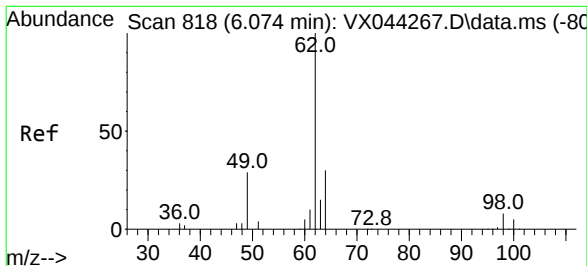
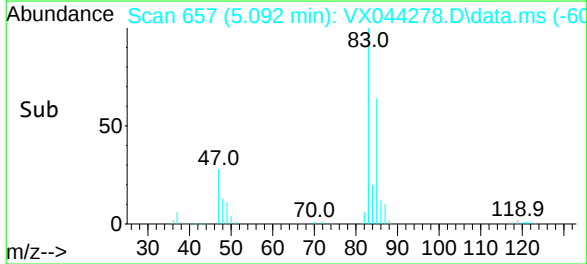
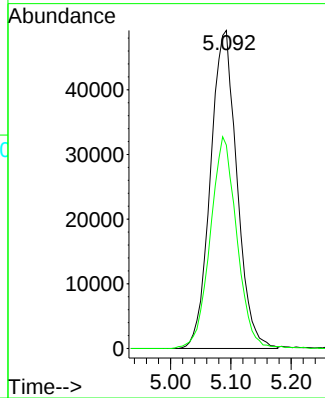
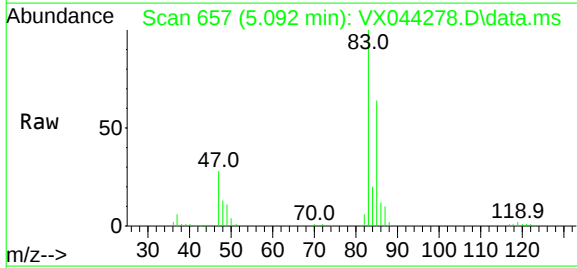
85 63.9 47.7 88.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2024

Supervised By :Mahesh Dadoda 12/17/2024



#27

1,2-Dichloroethane

Concen: 49.241 ug/L

RT: 6.080 min Scan# 819

Delta R.T. -0.000 min

Lab File: VX044278.D

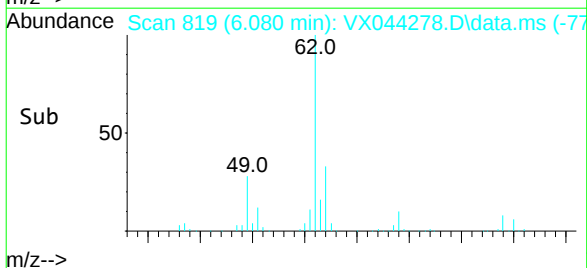
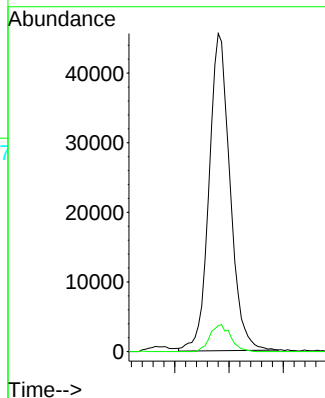
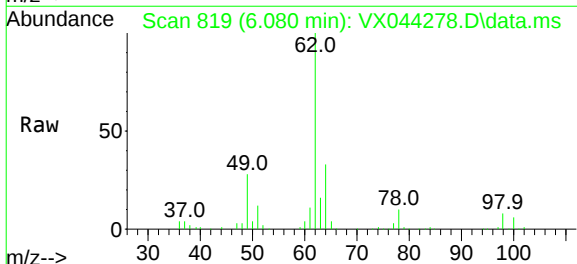
Acq: 13 Dec 2024 13:38

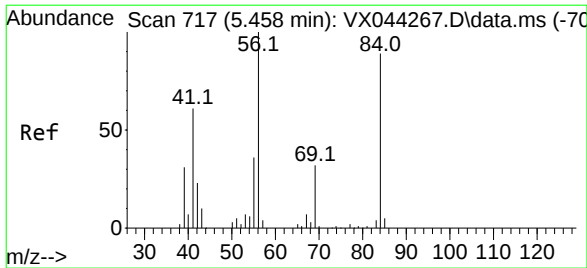
Tgt Ion: 62 Resp: 122624

Ion Ratio Lower Upper

62 100

98 8.1 7.7 11.5





#29

Cyclohexane

Concen: 48.802 ug/L

RT: 5.458 min Scan# 717

Delta R.T. -0.000 min

Lab File: VX044278.D

Acq: 13 Dec 2024 13:38

Instrument :

MSVOA\_X

ClientSampleId :

F7J20MSD

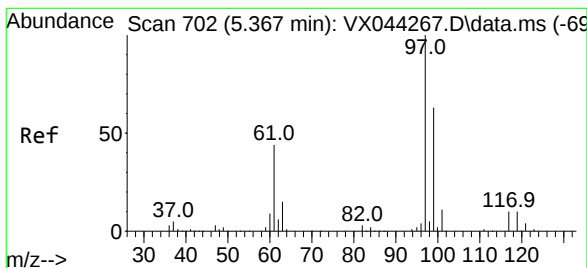
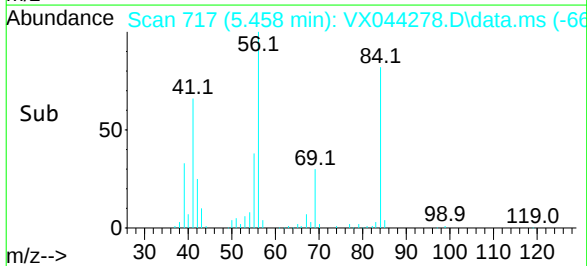
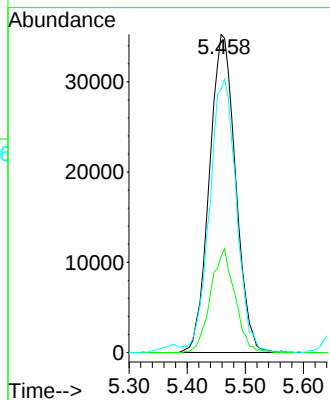
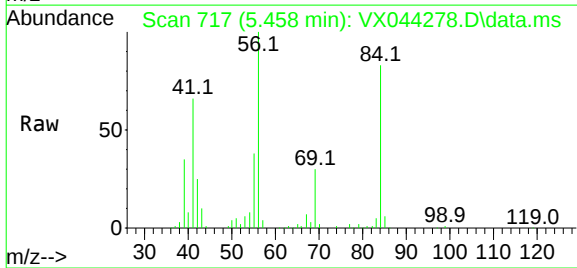
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 110415 |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 30.2  | 25.1  | 37.7   |
| 84       | 87.0  | 72.9  | 109.3  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2024

Supervised By :Mahesh Dadoda 12/17/2024



#30

1,1,1-Trichloroethane

Concen: 50.746 ug/L

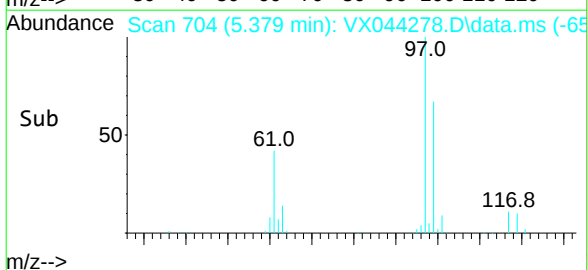
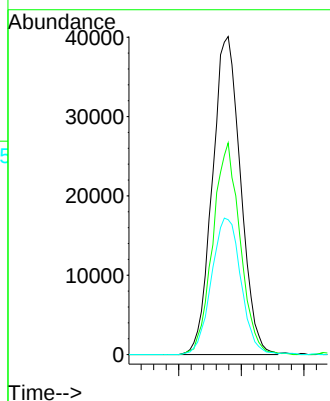
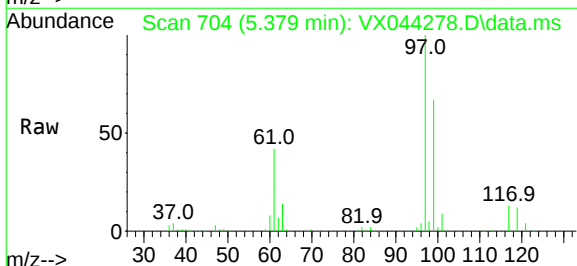
RT: 5.379 min Scan# 704

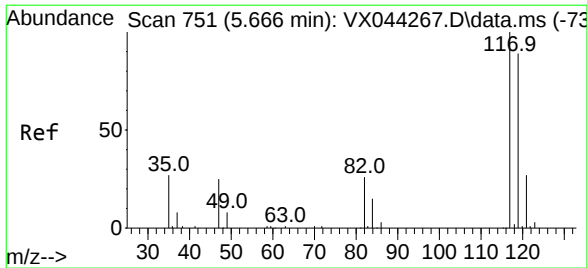
Delta R.T. 0.012 min

Lab File: VX044278.D

Acq: 13 Dec 2024 13:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 125615 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 64.3  | 52.2  | 78.2   |
| 61       | 44.7  | 32.8  | 49.2   |





#31

Carbon tetrachloride

Concen: 50.984 ug/L

RT: 5.672 min Scan# 751

Delta R.T. 0.006 min

Lab File: VX044278.D

Acq: 13 Dec 2024 13:38

Instrument :

MSVOA\_X

ClientSampleId :

F7J20MSD

Tgt Ion:117 Resp: 98850

Ion Ratio Lower Upper

117 100

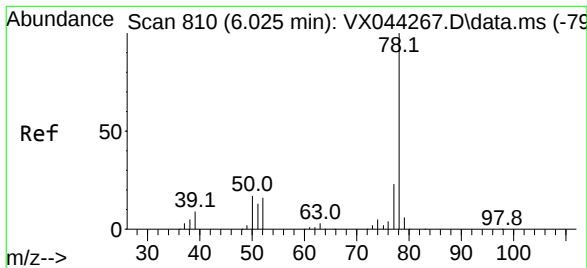
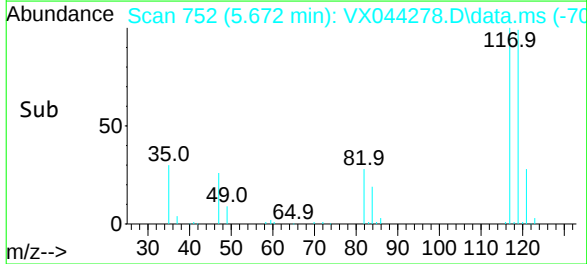
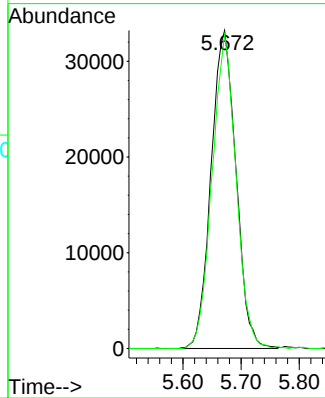
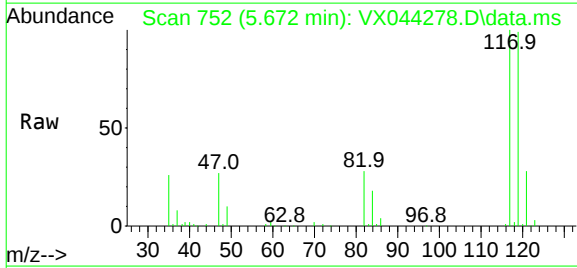
119 95.0 77.7 116.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2024

Supervised By :Mahesh Dadoda 12/17/2024



#33

Benzene

Concen: 51.357 ug/L

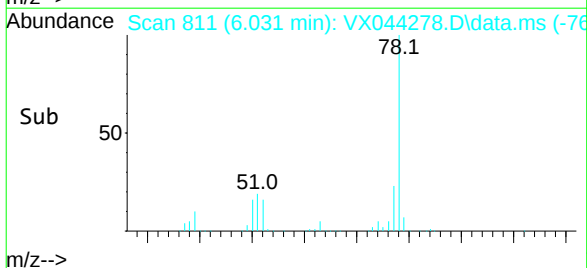
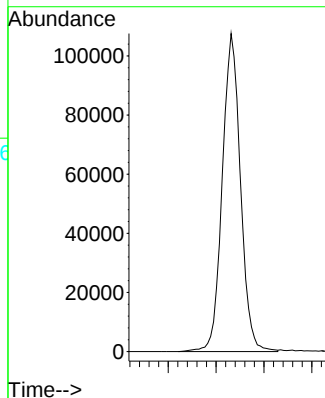
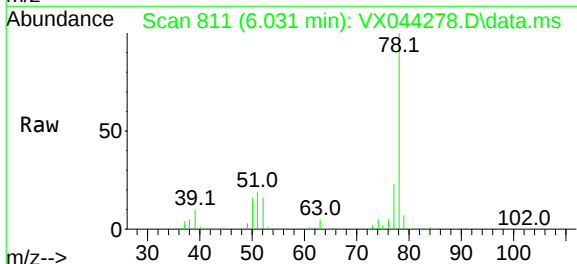
RT: 6.031 min Scan# 811

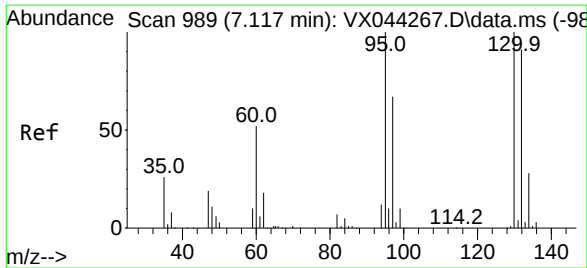
Delta R.T. 0.006 min

Lab File: VX044278.D

Acq: 13 Dec 2024 13:38

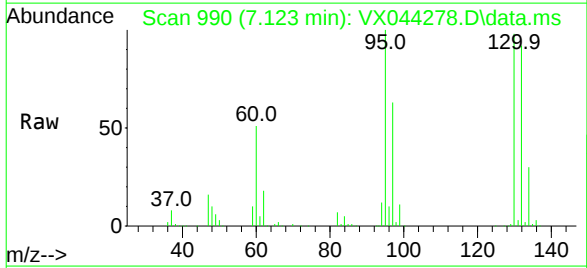
Tgt Ion: 78 Resp: 284389





#34  
Trichloroethene  
Concen: 186.761 ug/L  
RT: 7.123 min Scan# 99  
Delta R.T. 0.006 min  
Lab File: VX044278.D  
Acq: 13 Dec 2024 13:38

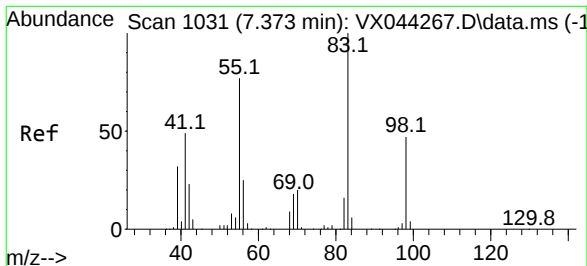
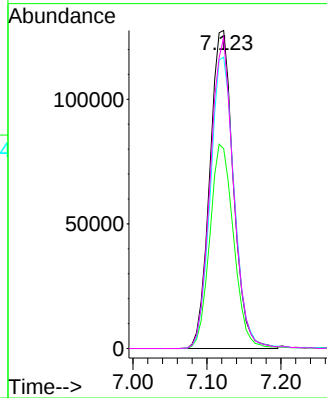
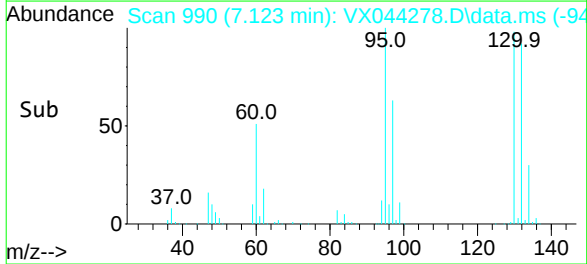
Instrument :  
MSVOA\_X  
ClientSampleId :  
F7J20MSD



Tgt Ion: 95 Resp: 282352  
Ion Ratio Lower Upper  
95 100  
97 62.8 45.0 83.6  
132 91.6 66.6 123.8  
130 97.7 72.4 134.5

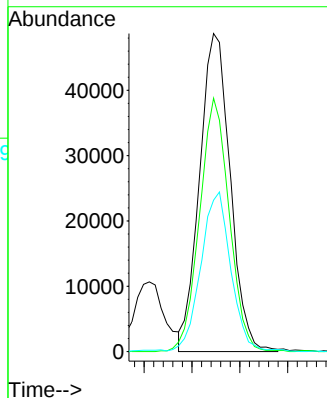
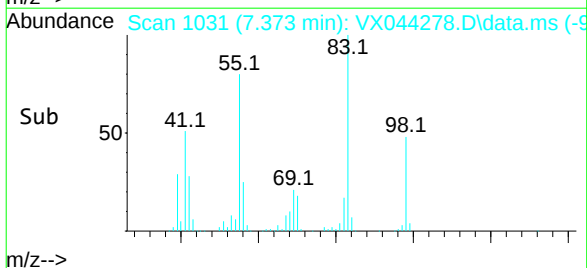
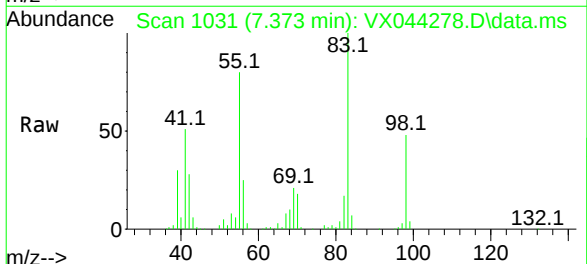
Manual Integrations  
APPROVED

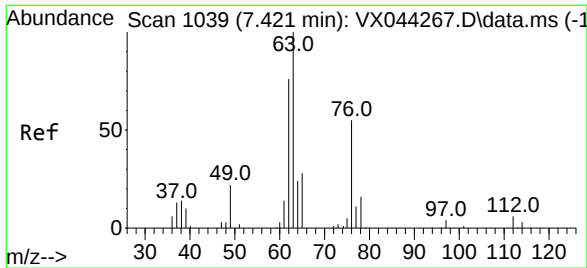
Reviewed By :John Carlone 12/16/2024  
Supervised By :Mahesh Dadoda 12/17/2024



#35  
Methylcyclohexane  
Concen: 49.493 ug/L  
RT: 7.373 min Scan# 1031  
Delta R.T. 0.006 min  
Lab File: VX044278.D  
Acq: 13 Dec 2024 13:38

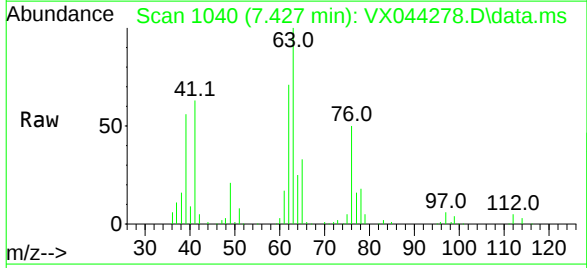
Tgt Ion: 83 Resp: 108394  
Ion Ratio Lower Upper  
83 100  
55 76.6 58.5 87.7  
98 48.8 40.5 60.7





#37  
1,2-Dichloropropane  
Concen: 51.767 ug/L  
RT: 7.427 min Scan# 1039  
Delta R.T. 0.006 min  
Lab File: VX044278.D  
Acq: 13 Dec 2024 13:38

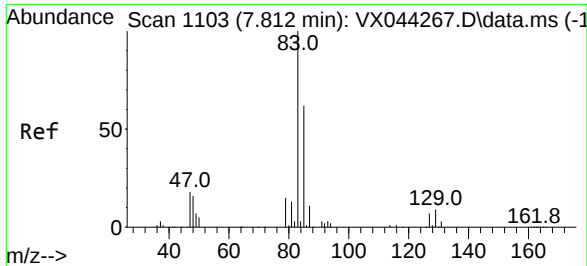
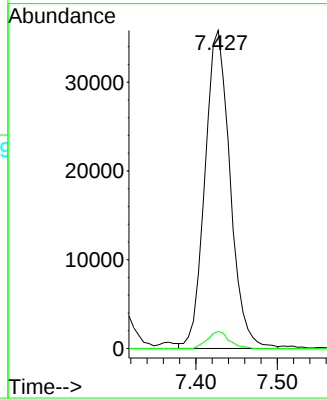
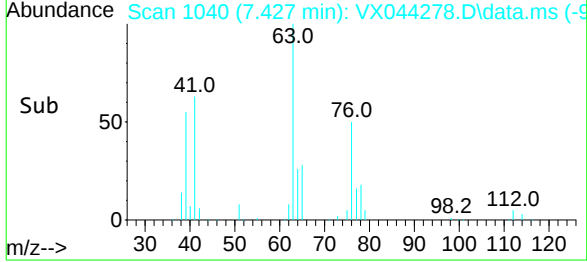
Instrument :  
MSVOA\_X  
ClientSampleId :  
F7J20MSD



Tgt Ion: 63 Resp: 76974  
Ion Ratio Lower Upper  
63 100  
112 4.6 3.6 5.4

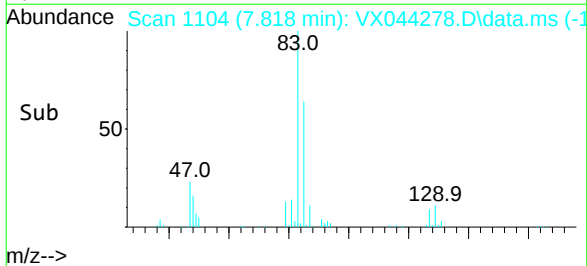
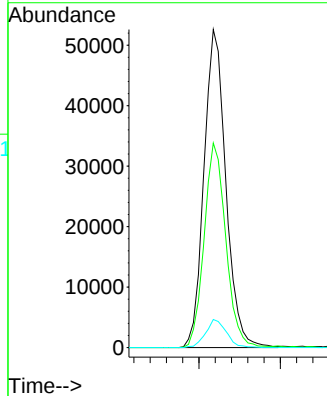
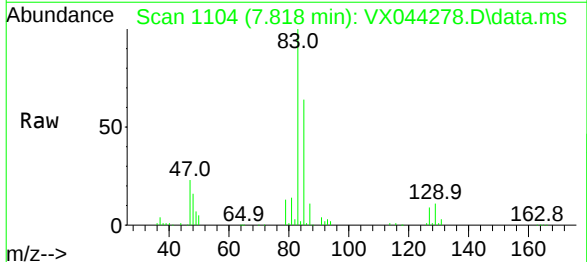
Manual Integrations  
APPROVED

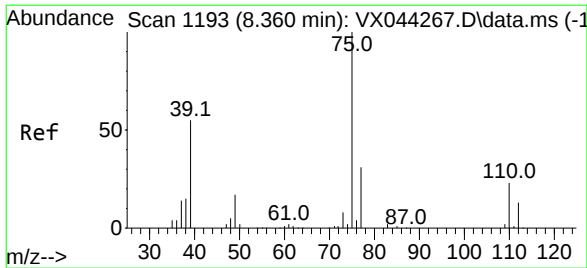
Reviewed By :John Carlone 12/16/2024  
Supervised By :Mahesh Dadoda 12/17/2024



#38  
Bromodichloromethane  
Concen: 50.542 ug/L  
RT: 7.818 min Scan# 1104  
Delta R.T. -0.000 min  
Lab File: VX044278.D  
Acq: 13 Dec 2024 13:38

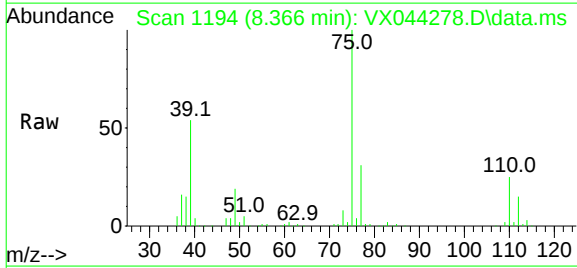
Tgt Ion: 83 Resp: 98460  
Ion Ratio Lower Upper  
83 100  
85 64.3 44.1 81.9  
127 8.8 7.0 10.4





#39  
cis-1,3-Dichloropropene  
Concen: 51.361 ug/L  
RT: 8.366 min Scan# 1193  
Delta R.T. 0.006 min  
Lab File: VX044278.D  
Acq: 13 Dec 2024 13:38

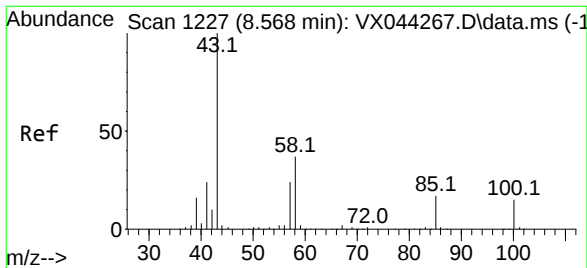
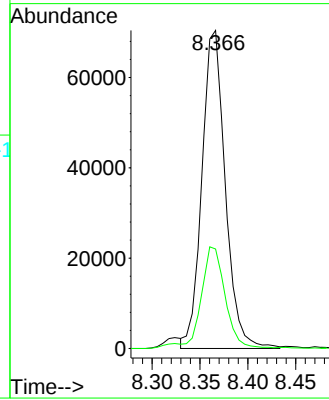
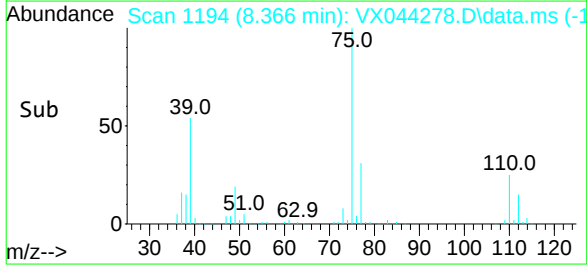
Instrument :  
MSVOA\_X  
ClientSampleId :  
F7J20MSD



Tgt Ion: 75 Resp: 119617  
Ion Ratio Lower Upper  
75 100  
77 31.3 21.6 40.0

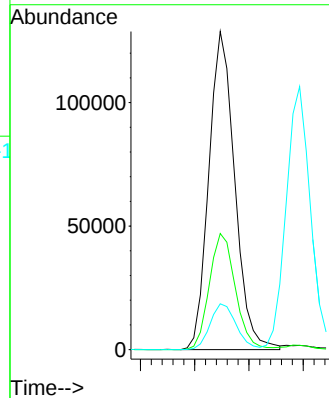
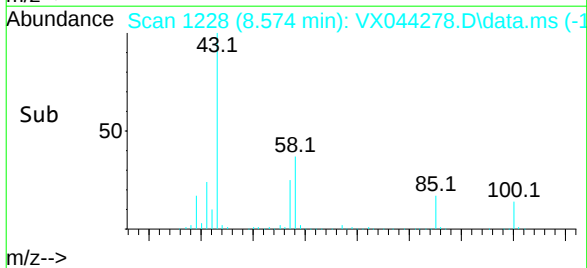
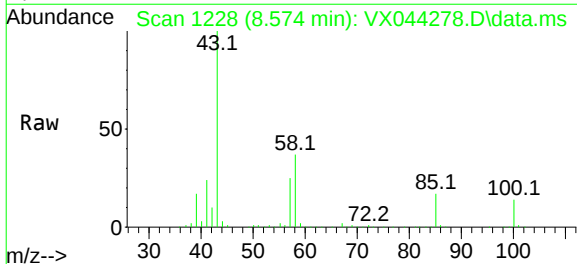
Manual Integrations  
APPROVED

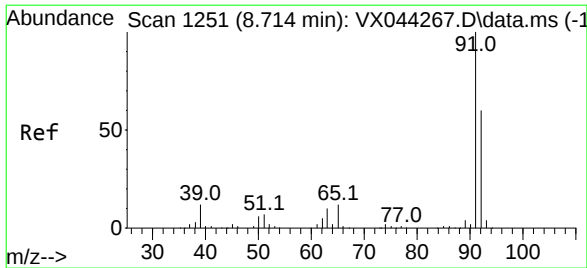
Reviewed By :John Carlone 12/16/2024  
Supervised By :Mahesh Dadoda 12/17/2024



#40  
4-Methyl-2-pentanone  
Concen: 92.929 ug/L  
RT: 8.574 min Scan# 1228  
Delta R.T. -0.000 min  
Lab File: VX044278.D  
Acq: 13 Dec 2024 13:38

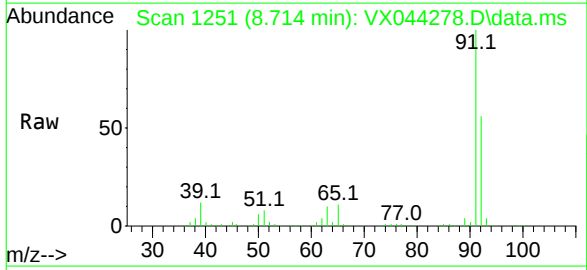
Tgt Ion: 43 Resp: 213920  
Ion Ratio Lower Upper  
43 100  
58 36.6 32.4 48.6  
100 14.5 13.7 20.5





#42  
Toluene  
Concen: 50.583 ug/L  
RT: 8.714 min Scan# 1251  
Delta R.T. -0.000 min  
Lab File: VX044278.D  
Acq: 13 Dec 2024 13:38

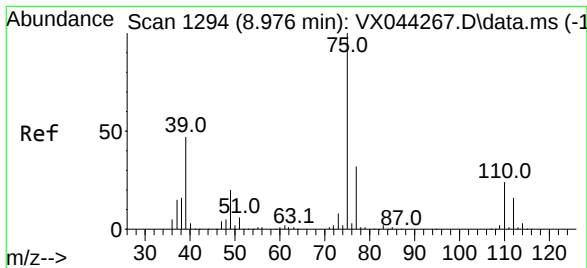
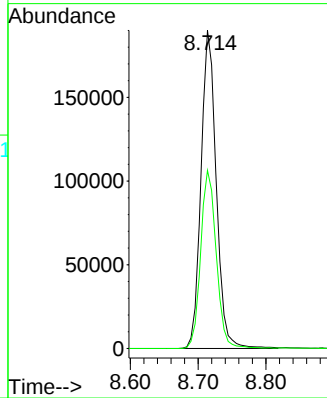
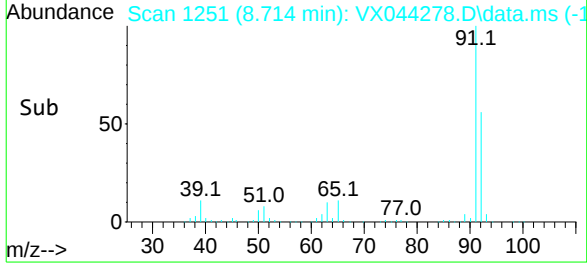
Instrument :  
MSVOA\_X  
ClientSampleId :  
F7J20MSD



Tgt Ion: 91 Resp: 296789  
Ion Ratio Lower Upper  
91 100  
92 56.0 40.7 75.5

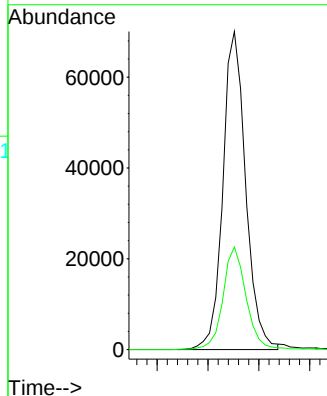
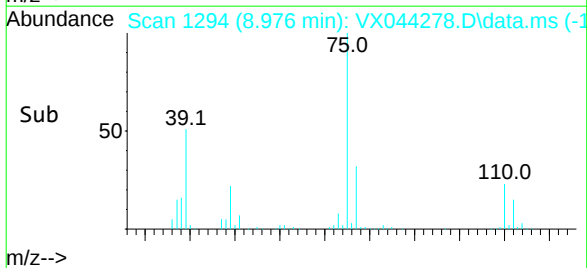
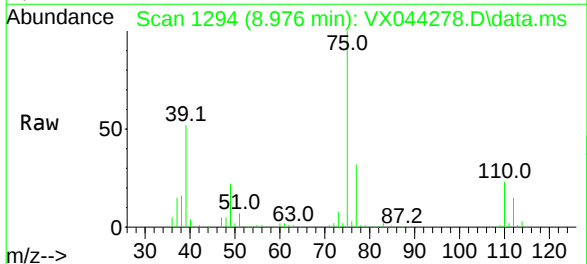
Manual Integrations  
APPROVED

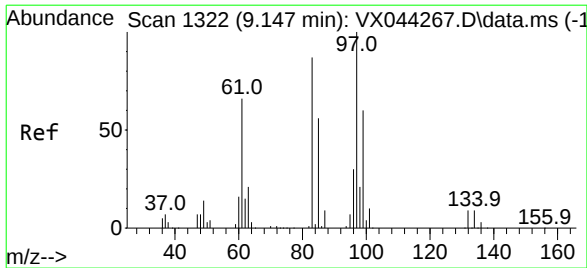
Reviewed By :John Carlone 12/16/2024  
Supervised By :Mahesh Dadoda 12/17/2024



#44  
trans-1,3-Dichloropropene  
Concen: 49.425 ug/L  
RT: 8.976 min Scan# 1294  
Delta R.T. -0.000 min  
Lab File: VX044278.D  
Acq: 13 Dec 2024 13:38

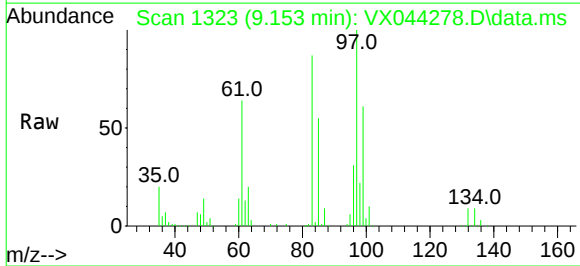
Tgt Ion: 75 Resp: 109103  
Ion Ratio Lower Upper  
75 100  
77 32.3 21.8 40.6





#45  
1,1,2-Trichloroethane  
Concen: 49.896 ug/L  
RT: 9.153 min Scan# 1323  
Delta R.T. 0.006 min  
Lab File: VX044278.D  
Acq: 13 Dec 2024 13:38

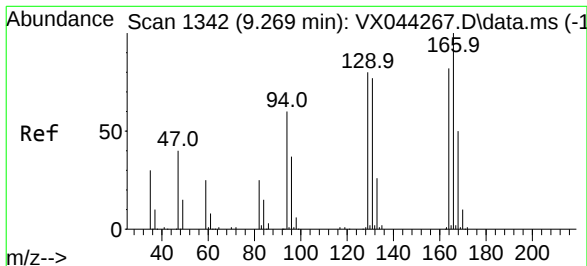
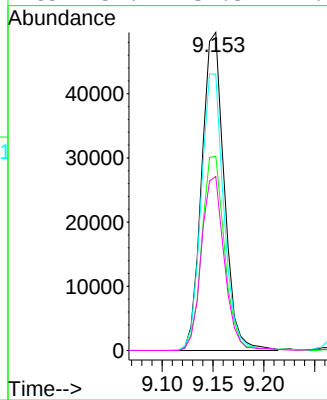
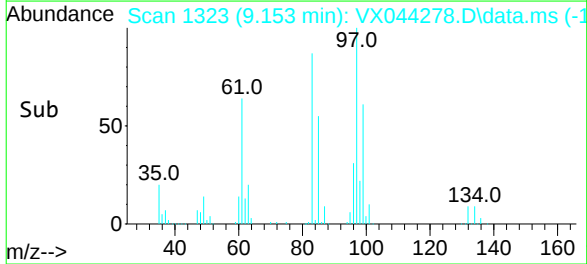
Instrument :  
MSVOA\_X  
ClientSampleId :  
F7J20MSD



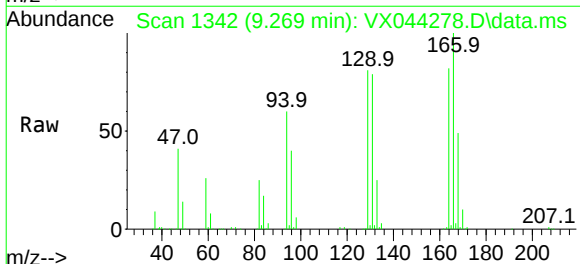
Tgt Ion: 97 Resp: 76036  
Ion Ratio Lower Upper  
97 100  
99 61.1 43.4 80.6  
83 86.9 60.2 111.8  
85 54.7 39.3 72.9

Manual Integrations  
APPROVED

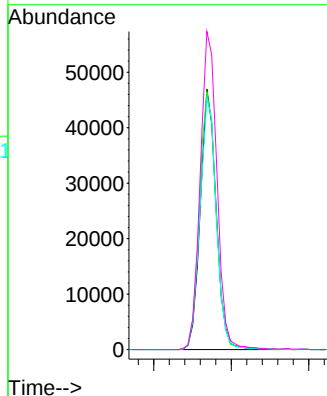
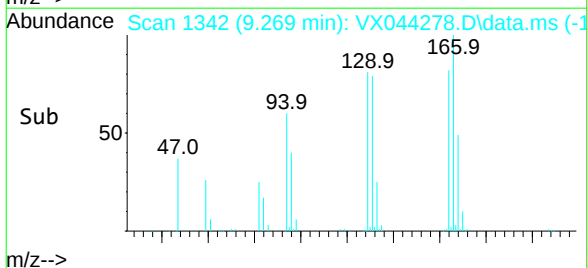
Reviewed By :John Carlone 12/16/2024  
Supervised By :Mahesh Dadoda 12/17/2024

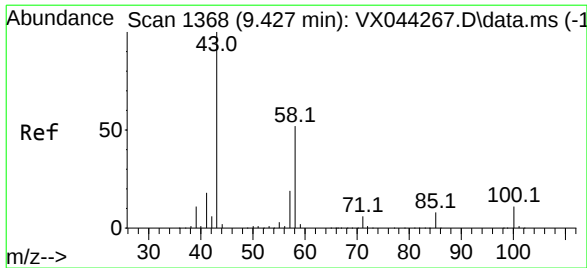


#46  
Tetrachloroethene  
Concen: 66.568 ug/L  
RT: 9.269 min Scan# 1342  
Delta R.T. -0.000 min  
Lab File: VX044278.D  
Acq: 13 Dec 2024 13:38



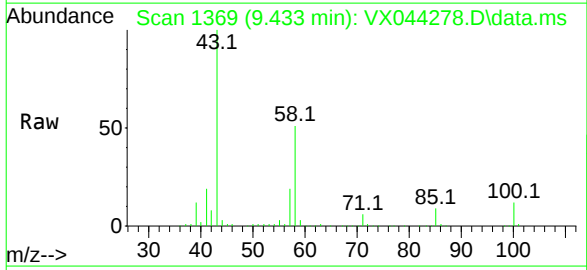
Tgt Ion:164 Resp: 67134  
Ion Ratio Lower Upper  
164 100  
129 99.1 73.6 136.6  
131 96.3 70.2 130.4  
166 122.2 92.0 170.8





#48  
2-Hexanone  
Concen: 87.459 ug/L  
RT: 9.433 min Scan# 1368  
Delta R.T. 0.006 min  
Lab File: VX044278.D  
Acq: 13 Dec 2024 13:38

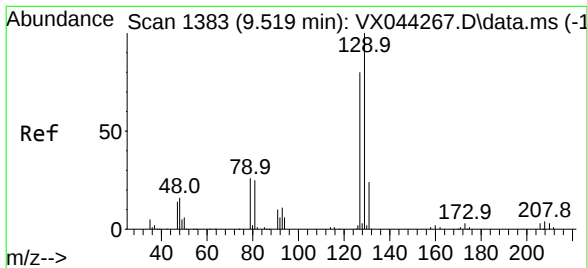
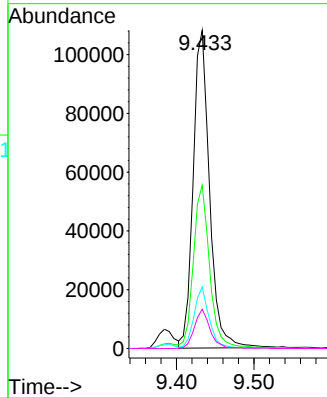
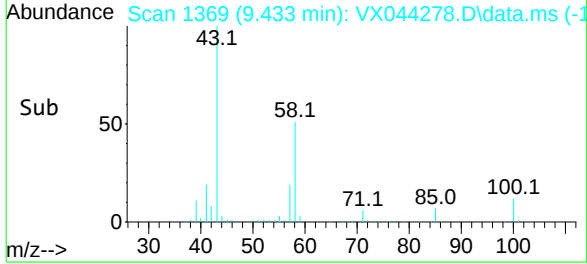
Instrument :  
MSVOA\_X  
ClientSampleId :  
F7J20MSD



Tgt Ion: 43 Resp: 158518  
Ion Ratio Lower Upper  
43 100  
58 51.3 45.4 68.2  
57 18.0 15.4 23.0  
100 11.9 10.6 15.8

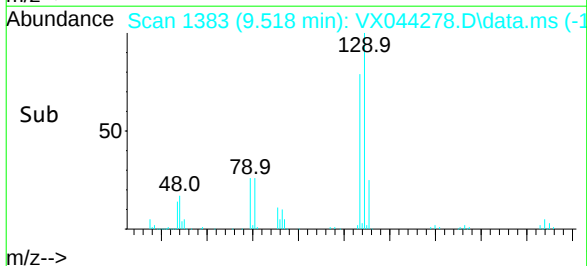
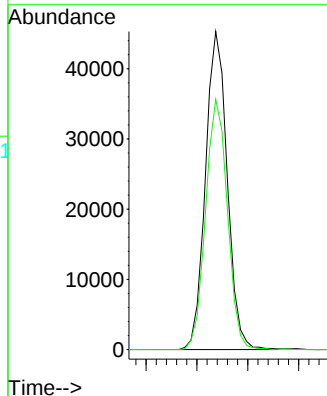
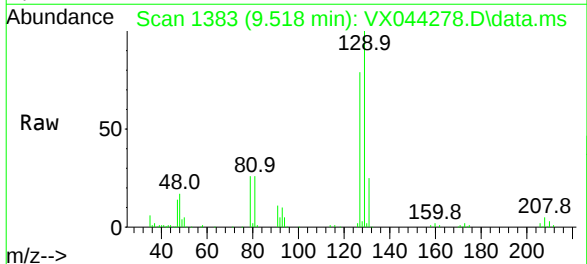
Manual Integrations  
APPROVED

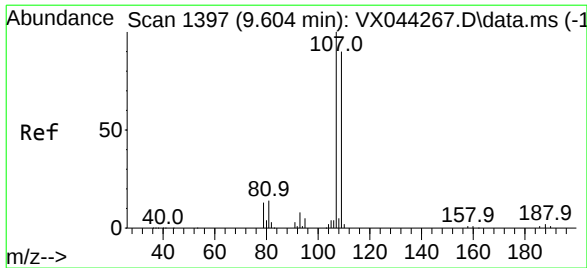
Reviewed By :John Carlone 12/16/2024  
Supervised By :Mahesh Dadoda 12/17/2024



#49  
Dibromochloromethane  
Concen: 50.012 ug/L  
RT: 9.518 min Scan# 1383  
Delta R.T. -0.000 min  
Lab File: VX044278.D  
Acq: 13 Dec 2024 13:38

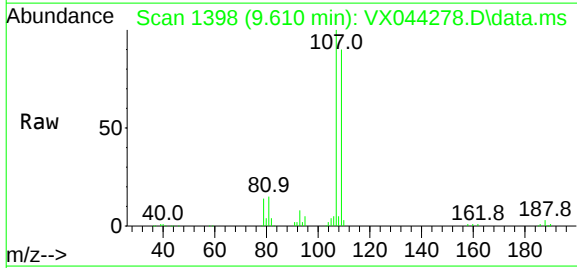
Tgt Ion:129 Resp: 67359  
Ion Ratio Lower Upper  
129 100  
127 78.7 53.5 99.5





#50  
1,2-Dibromoethane  
Concen: 50.195 ug/L  
RT: 9.610 min Scan# 1397  
Delta R.T. 0.006 min  
Lab File: VX044278.D  
Acq: 13 Dec 2024 13:38

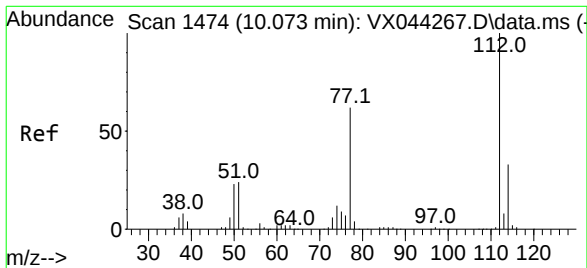
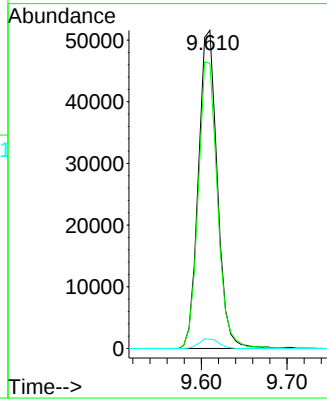
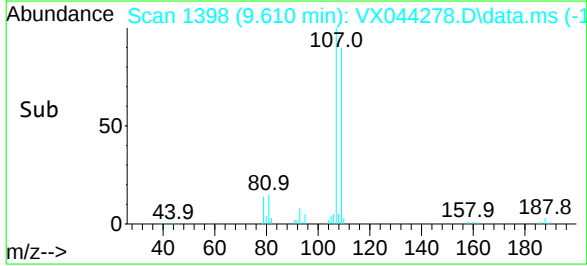
Instrument :  
MSVOA\_X  
ClientSampleId :  
F7J20MSD



Tgt Ion:107 Resp: 78987  
Ion Ratio Lower Upper  
107 100  
109 89.7 65.5 121.7  
188 3.1 2.6 4.0

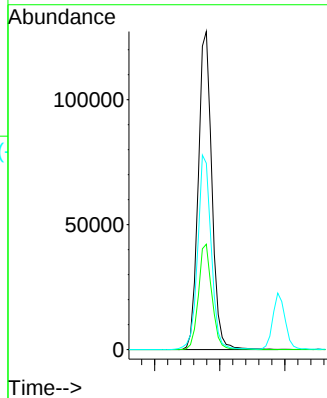
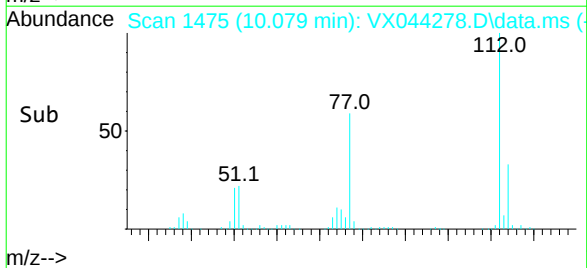
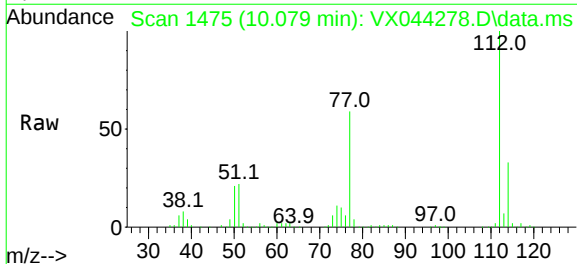
Manual Integrations  
APPROVED

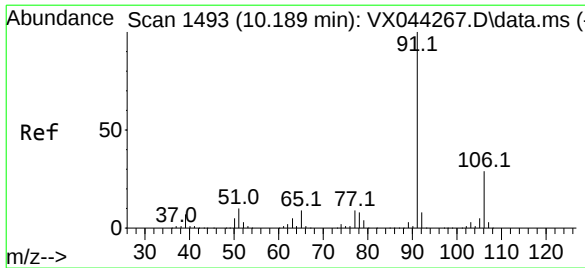
Reviewed By :John Carlone 12/16/2024  
Supervised By :Mahesh Dadoda 12/17/2024



#51  
Chlorobenzene  
Concen: 49.090 ug/L  
RT: 10.079 min Scan# 1475  
Delta R.T. 0.006 min  
Lab File: VX044278.D  
Acq: 13 Dec 2024 13:38

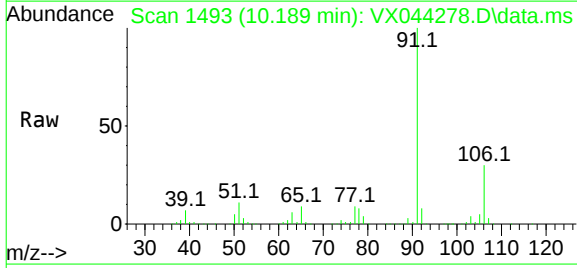
Tgt Ion:112 Resp: 184790  
Ion Ratio Lower Upper  
112 100  
114 33.1 22.9 42.5  
77 58.6 48.0 72.0





#52  
Ethylbenzene  
Concen: 50.078 ug/L  
RT: 10.189 min Scan# 1493  
Delta R.T. -0.000 min  
Lab File: VX044278.D  
Acq: 13 Dec 2024 13:38

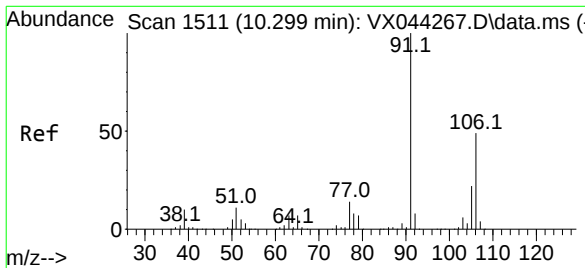
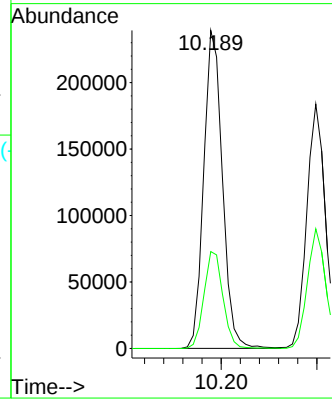
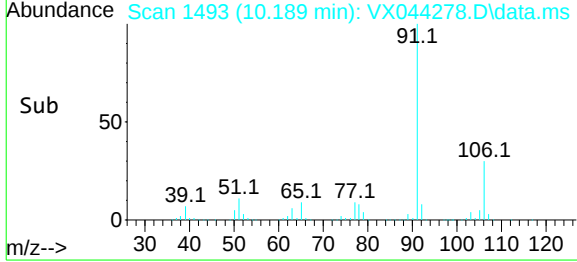
Instrument :  
MSVOA\_X  
ClientSampleId :  
F7J20MSD



Tgt Ion: 91 Resp: 323653  
Ion Ratio Lower Upper  
91 100  
106 30.5 21.1 39.1

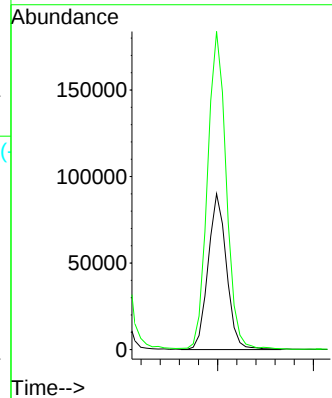
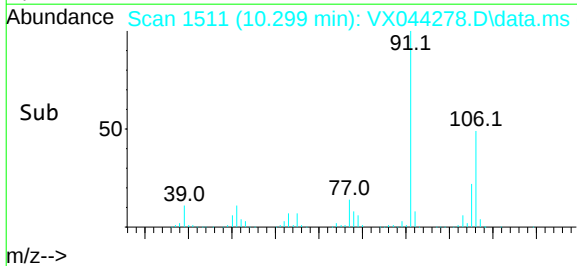
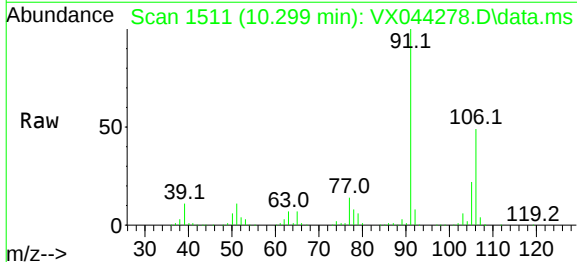
Manual Integrations  
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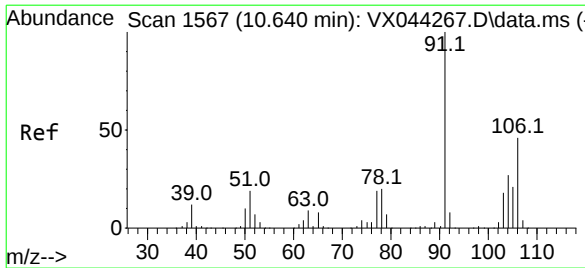
Reviewed By :John Carlone 12/16/2024  
Supervised By :Mahesh Dadoda 12/17/2024



#53  
m,p-Xylene  
Concen: 51.400 ug/L  
RT: 10.299 min Scan# 1511  
Delta R.T. -0.000 min  
Lab File: VX044278.D  
Acq: 13 Dec 2024 13:38

Tgt Ion:106 Resp: 120323  
Ion Ratio Lower Upper  
106 100  
91 204.2 147.5 273.9





#54

o-Xylene

Concen: 50.050 ug/L

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX044278.D

Acq: 13 Dec 2024 13:38

Instrument :

MSVOA\_X

ClientSampleId :

F7J20MSD

Tgt Ion:106 Resp: 120481

Ion Ratio Lower Upper

106 100

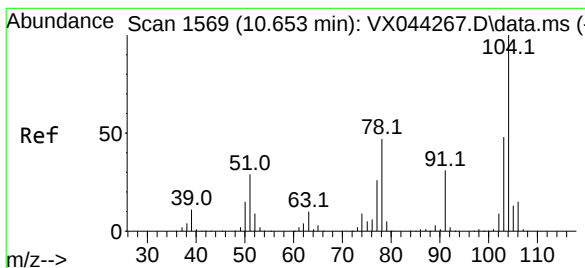
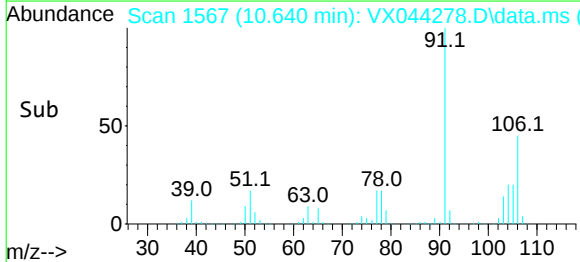
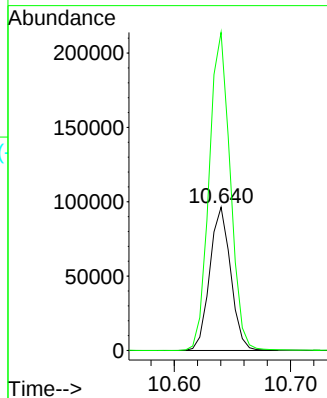
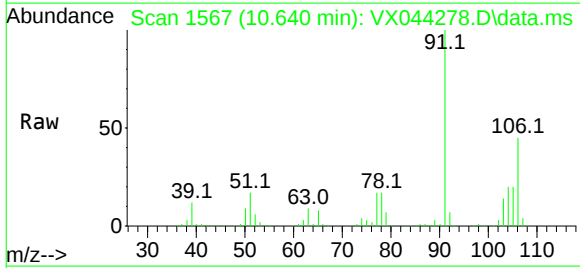
91 221.9 153.7 285.5

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Reviewed By :John Carlone 12/16/2024

Supervised By :Mahesh Dadoda 12/17/2024



#55

Styrene

Concen: 50.306 ug/L

RT: 10.652 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX044278.D

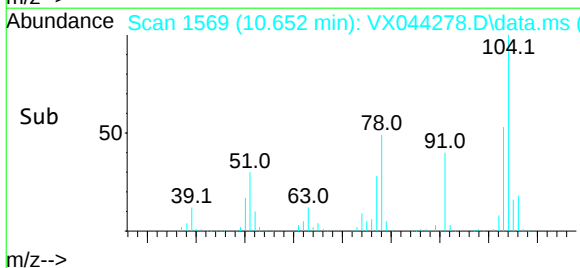
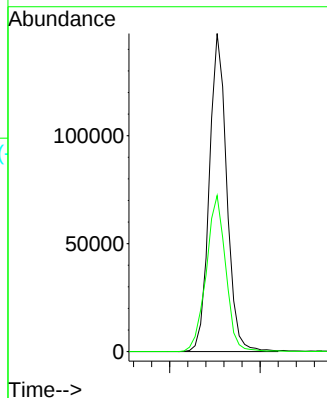
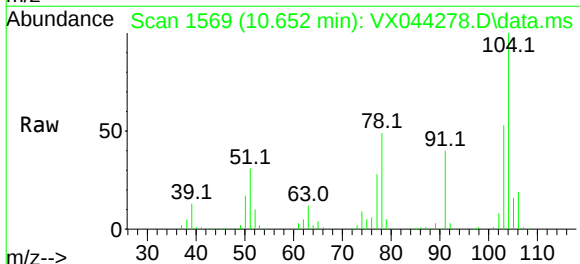
Acq: 13 Dec 2024 13:38

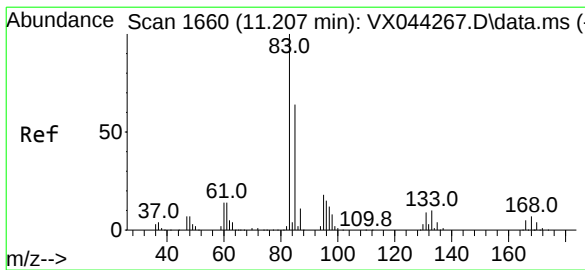
Tgt Ion:104 Resp: 197505

Ion Ratio Lower Upper

104 100

78 49.1 32.8 60.8





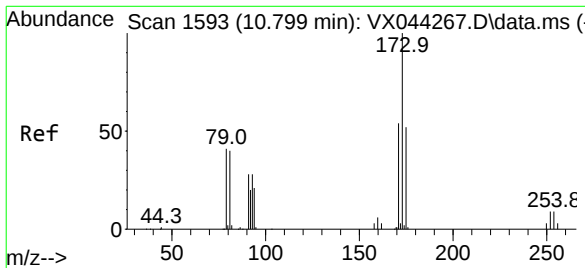
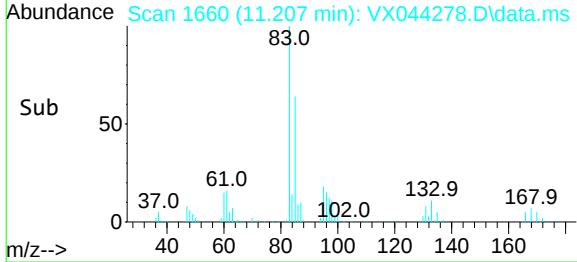
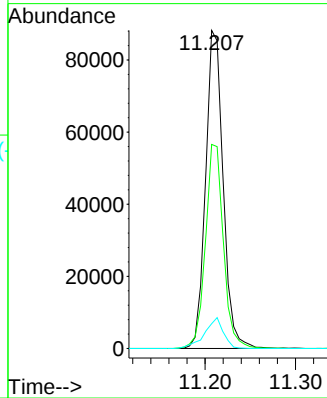
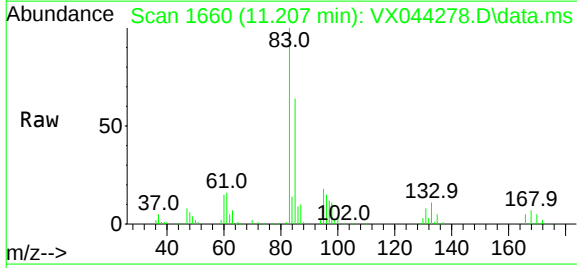
#57  
1,1,2,2-Tetrachloroethane  
Concen: 50.313 ug/L  
RT: 11.207 min Scan# 1660  
Delta R.T. -0.000 min  
Lab File: VX044278.D  
Acq: 13 Dec 2024 13:38

Instrument :  
MSVOA\_X  
ClientSampleId :  
F7J20MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 118929 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 64.2  | 46.0  | 85.4   |
| 131      | 7.8   | 8.8   | 13.2#  |

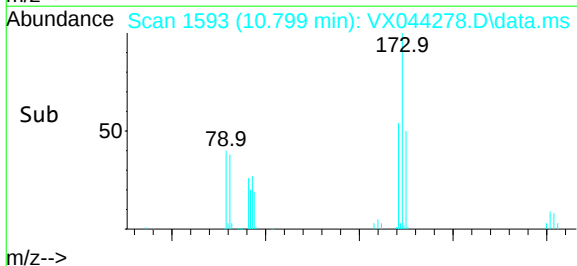
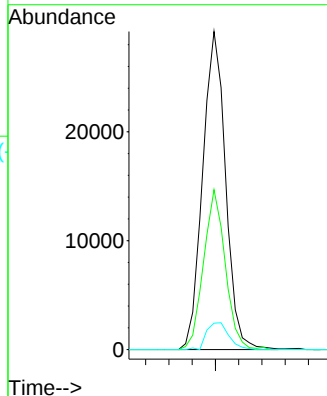
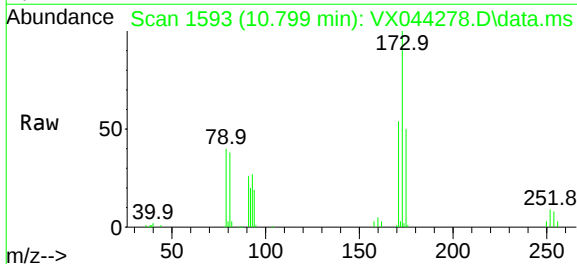
Manual Integrations  
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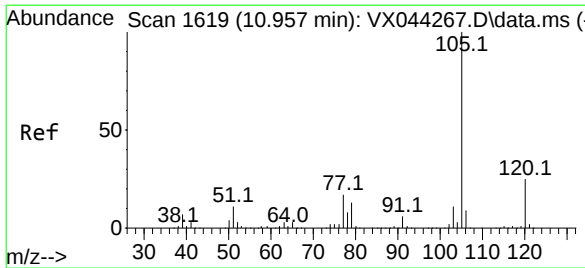
Reviewed By :John Carlone 12/16/2024  
Supervised By :Mahesh Dadoda 12/17/2024



#59  
Bromoform  
Concen: 47.095 ug/L  
RT: 10.799 min Scan# 1593  
Delta R.T. -0.000 min  
Lab File: VX044278.D  
Acq: 13 Dec 2024 13:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 40045 |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 47.4  | 40.0  | 60.0  |
| 254      | 8.1   | 6.3   | 9.5   |





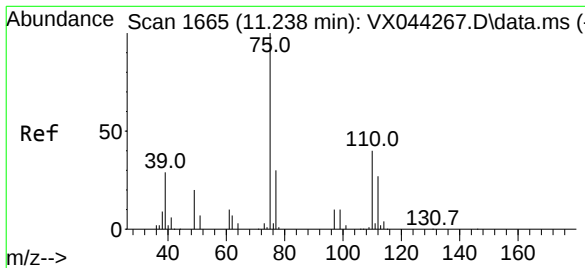
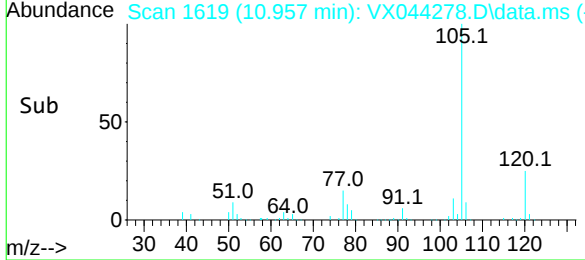
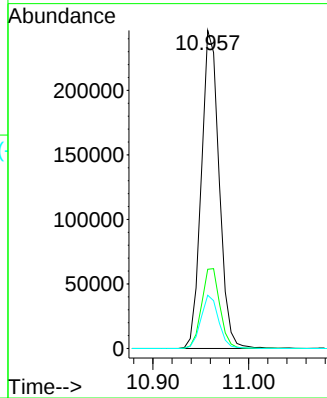
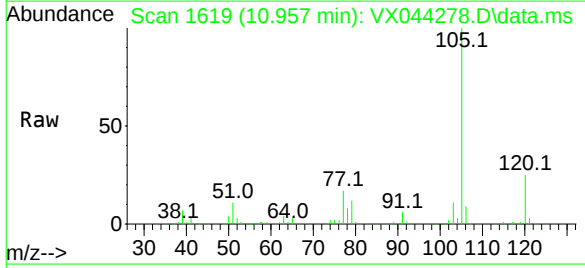
#60  
Isopropylbenzene  
Concen: 48.613 ug/L  
RT: 10.957 min Scan# 1619  
Delta R.T. -0.000 min  
Lab File: VX044278.D  
Acq: 13 Dec 2024 13:38

Instrument :  
MSVOA\_X  
ClientSampleId :  
F7J20MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 317892 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 120      | 25.8  | 20.6  | 31.0   |
| 77       | 16.7  | 13.4  | 20.0   |

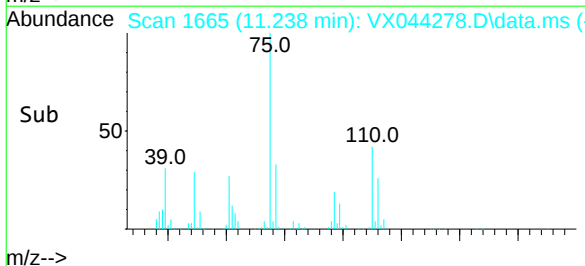
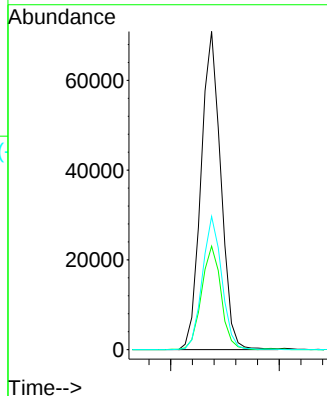
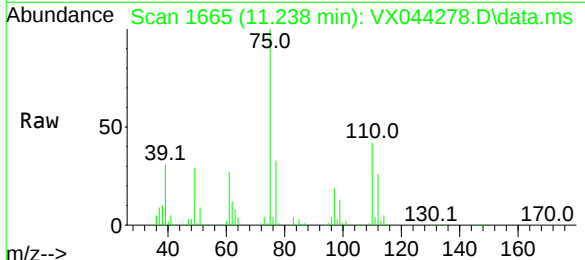
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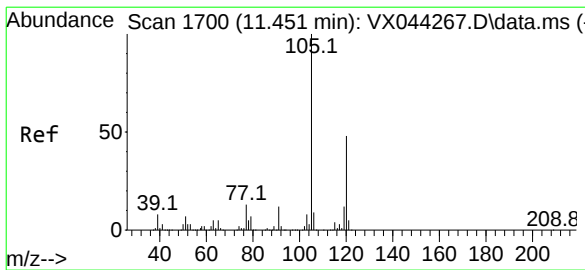
Reviewed By :John Carlone 12/16/2024  
Supervised By :Mahesh Dadoda 12/17/2024



#61  
1,2,3-Trichloropropane  
Concen: 45.882 ug/L  
RT: 11.238 min Scan# 1665  
Delta R.T. -0.000 min  
Lab File: VX044278.D  
Acq: 13 Dec 2024 13:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 90055 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 32.1  | 25.8  | 38.6  |
| 110      | 40.8  | 33.3  | 49.9  |





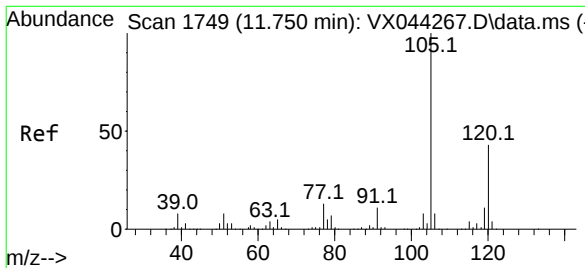
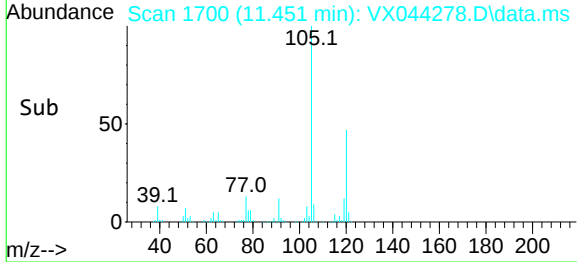
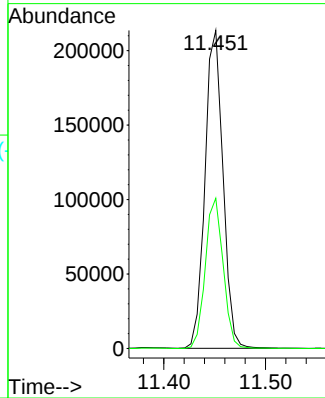
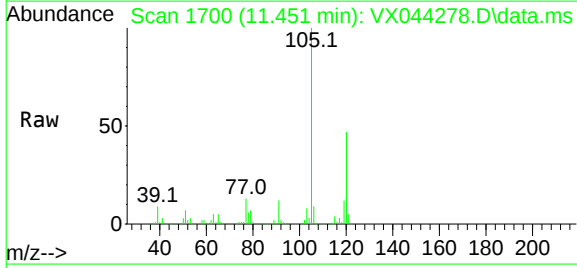
#62  
1,3,5-Trimethylbenzene  
Concen: 48.275 ug/L  
RT: 11.451 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VX044278.D  
Acq: 13 Dec 2024 13:38

Instrument :  
MSVOA\_X  
ClientSampleId :  
F7J20MSD

Tgt Ion:105 Resp: 261977  
Ion Ratio Lower Upper  
105 100  
120 47.0 38.2 57.4

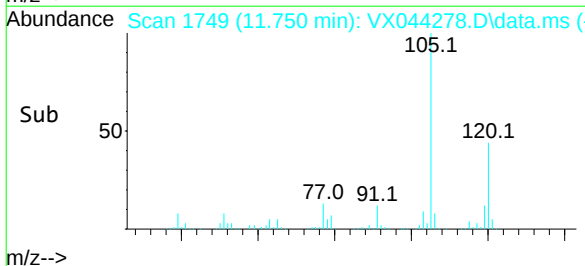
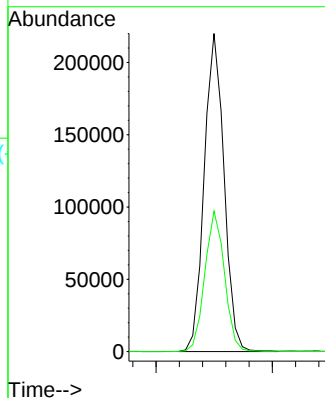
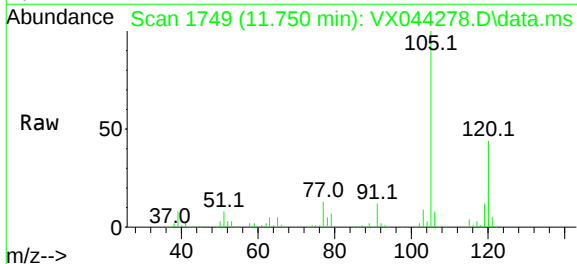
Manual Integrations  
APPROVED

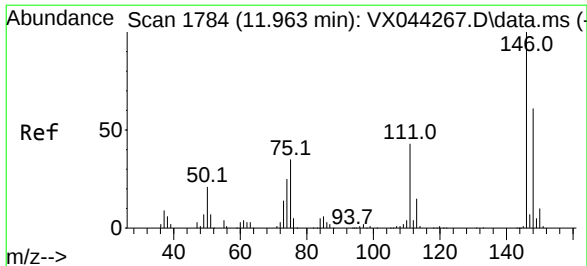
Reviewed By :John Carlone 12/16/2024  
Supervised By :Mahesh Dadoda 12/17/2024



#63  
1,2,4-Trimethylbenzene  
Concen: 48.909 ug/L  
RT: 11.750 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VX044278.D  
Acq: 13 Dec 2024 13:38

Tgt Ion:105 Resp: 260485  
Ion Ratio Lower Upper  
105 100  
120 43.9 34.5 51.7





#64

1,3-Dichlorobenzene

Concen: 48.548 ug/L

RT: 11.969 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VX044278.D

Acq: 13 Dec 2024 13:38

Instrument :

MSVOA\_X

ClientSampleId :

F7J20MSD

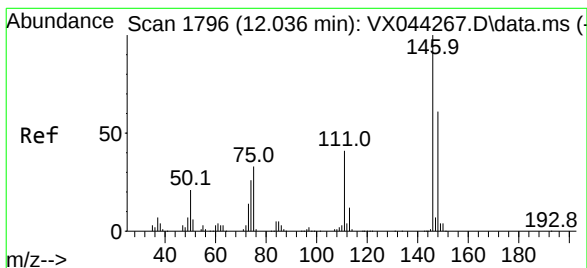
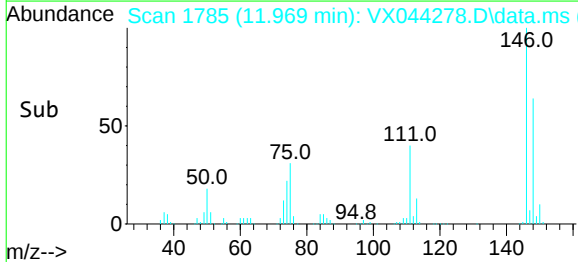
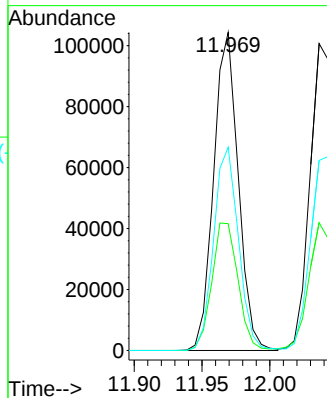
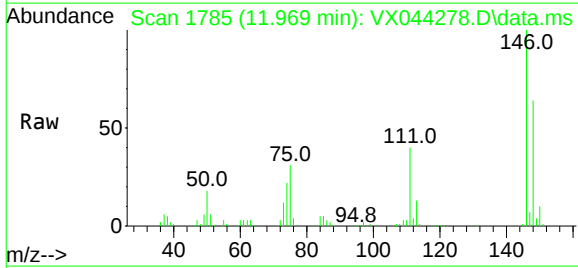
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 131659 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 39.9  | 28.8  | 53.4   |
| 148       | 63.9  | 46.1  | 85.5   |

Manual Integrations

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Reviewed By :John Carlone 12/16/2024

Supervised By :Mahesh Dadoda 12/17/2024



#65

1,4-Dichlorobenzene

Concen: 48.997 ug/L

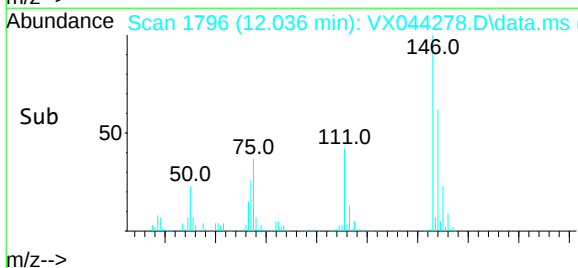
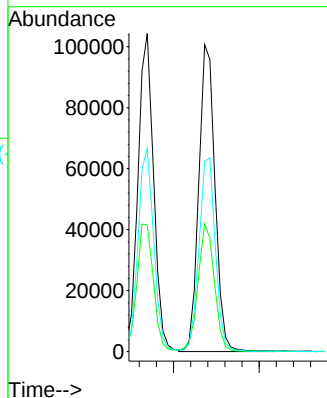
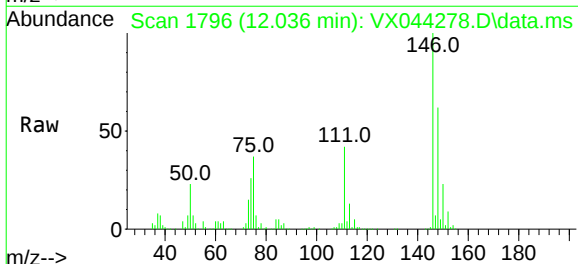
RT: 12.036 min Scan# 1796

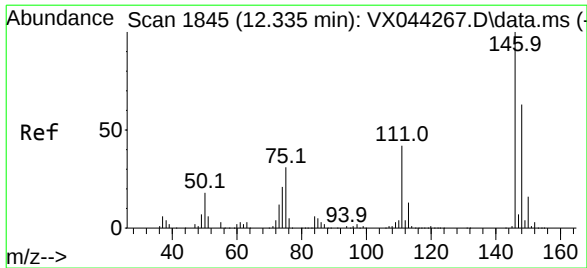
Delta R.T. -0.000 min

Lab File: VX044278.D

Acq: 13 Dec 2024 13:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 132971 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 41.7  | 29.5  | 54.7   |
| 148       | 61.9  | 43.2  | 80.2   |





#67

1,2-Dichlorobenzene

Concen: 49.464 ug/L

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX044278.D

Acq: 13 Dec 2024 13:38

Instrument :

MSVOA\_X

ClientSampleId :

F7J20MSD

Tgt Ion:146 Resp: 136203

Ion Ratio Lower Upper

146 100

111 44.5 34.3 51.5

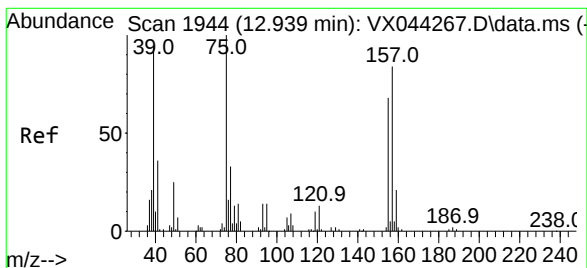
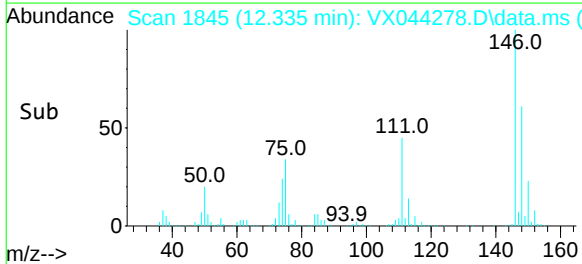
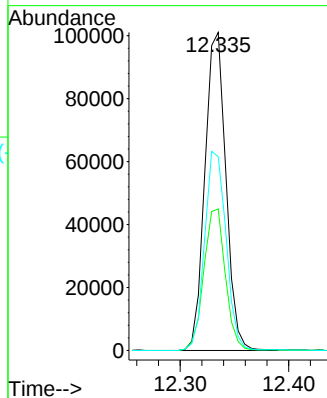
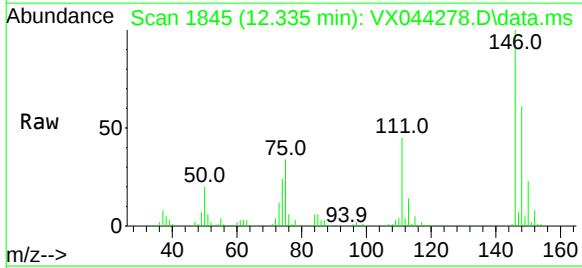
148 60.9 52.6 79.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2024

Supervised By :Mahesh Dadoda 12/17/2024



#68

1,2-Dibromo-3-chloropropane

Concen: 45.093 ug/L

RT: 12.939 min Scan# 1944

Delta R.T. -0.006 min

Lab File: VX044278.D

Acq: 13 Dec 2024 13:38

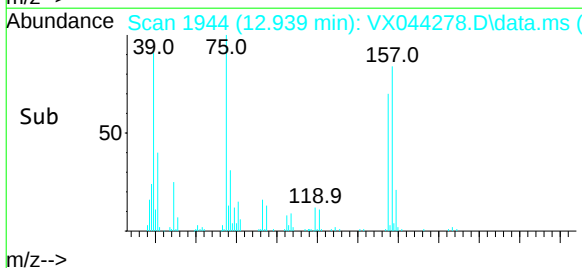
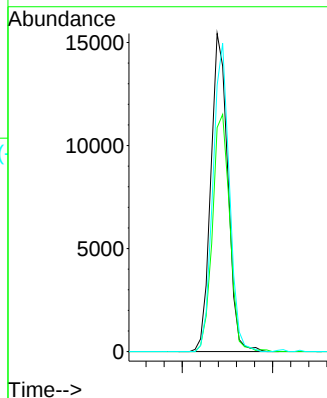
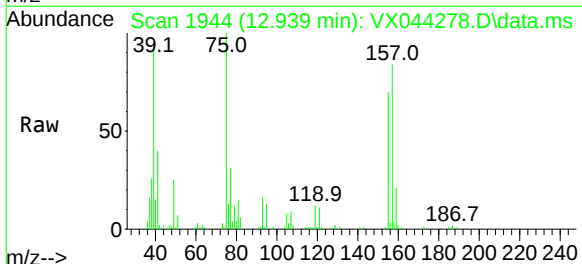
Tgt Ion: 75 Resp: 20115

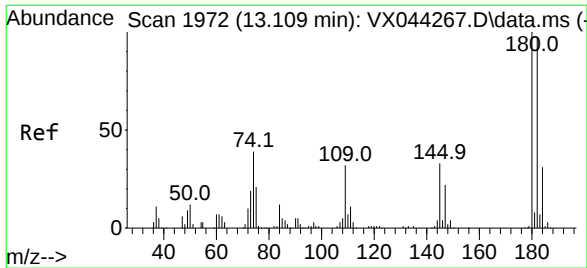
Ion Ratio Lower Upper

75 100

155 70.4 60.5 90.7

157 83.8 73.5 110.3





#69

1,3,5-Trichlorobenzene

Concen: 47.670 ug/L

RT: 13.109 min Scan# 1972

Delta R.T. -0.000 min

Lab File: VX044278.D

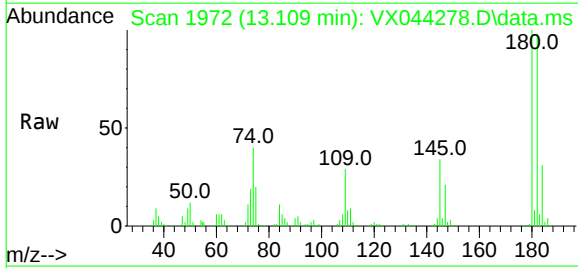
Acq: 13 Dec 2024 13:38

Instrument :

MSVOA\_X

ClientSampleId :

F7J20MSD



Tgt Ion:180 Resp: 80659

Ion Ratio Lower Upper

180 100

182 96.7 76.7 115.1

184 30.0 24.2 36.4

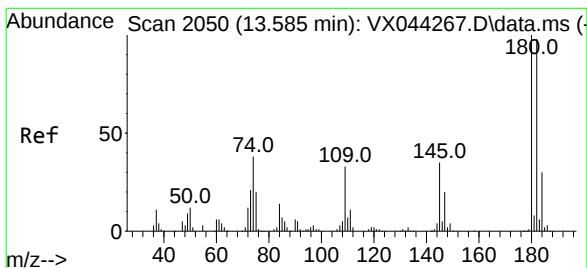
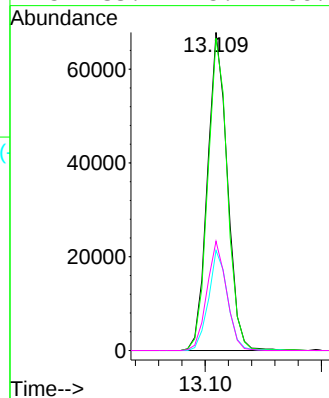
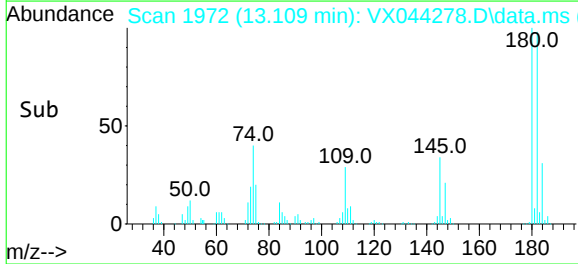
145 33.7 25.9 38.9

Manual Integrations

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Reviewed By :John Carlone 12/16/2024

Supervised By :Mahesh Dadoda 12/17/2024



#70

1,2,4-trichlorobenzene

Concen: 48.272 ug/L

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX044278.D

Acq: 13 Dec 2024 13:38

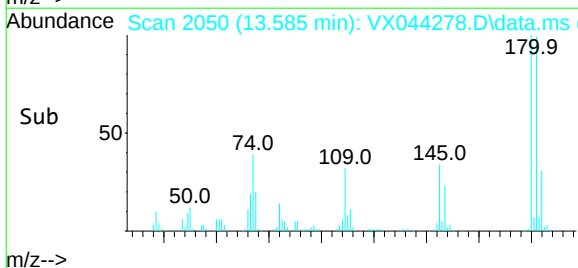
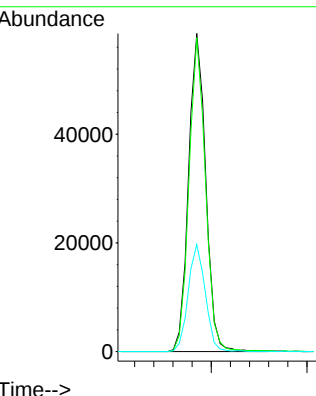
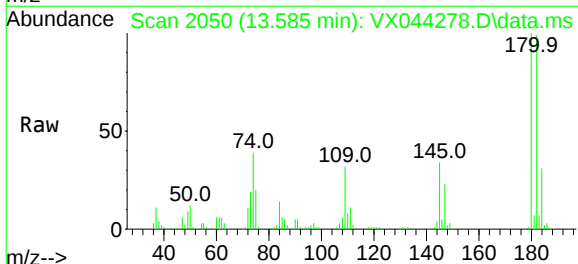
Tgt Ion:180 Resp: 72755

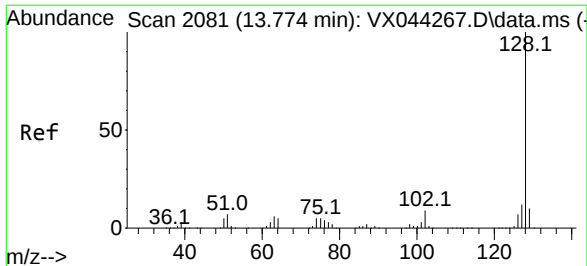
Ion Ratio Lower Upper

180 100

182 94.4 74.1 111.1

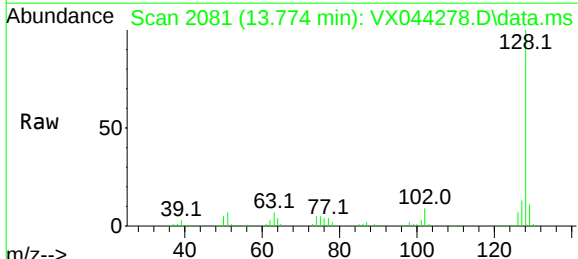
145 33.4 25.3 37.9





#71  
Naphthalene  
Concen: 45.278 ug/L  
RT: 13.774 min Scan# 2081  
Delta R.T. -0.000 min  
Lab File: VX044278.D  
Acq: 13 Dec 2024 13:38

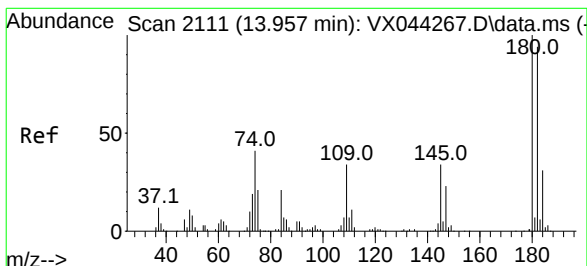
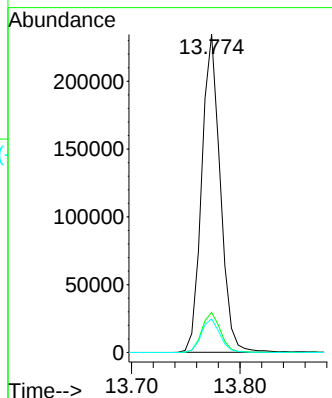
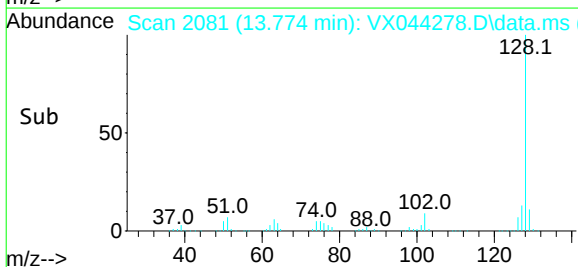
Instrument :  
MSVOA\_X  
ClientSampleId :  
F7J20MSD



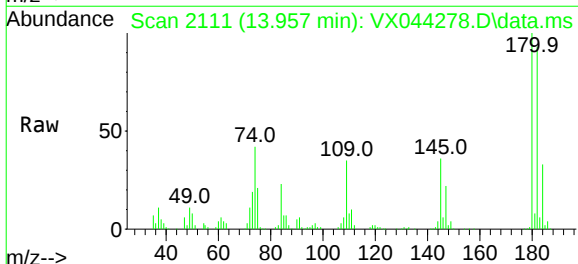
Tgt Ion:128 Resp: 278217  
Ion Ratio Lower Upper  
128 100  
127 12.7 10.1 15.1  
129 10.7 8.6 13.0

Manual Integrations  
APPROVED

Reviewed By :John Carlone 12/16/2024  
Supervised By :Mahesh Dadoda 12/17/2024



#72  
1,2,3-Trichlorobenzene  
Concen: 48.363 ug/L  
RT: 13.957 min Scan# 2111  
Delta R.T. -0.000 min  
Lab File: VX044278.D  
Acq: 13 Dec 2024 13:38



Tgt Ion:180 Resp: 77434  
Ion Ratio Lower Upper  
180 100  
182 93.2 73.8 110.6  
145 34.3 27.4 41.2

