

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121923\  
 Data File : VX039358.D  
 Acq On : 19 Dec 2023 15:56  
 Operator : JC/MD  
 Sample : 05834-05ME  
 Misc : 3.13g/5mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BGQZ8ME

Quant Time: Dec 19 22:06:26 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML120523WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Dec 19 22:02:33 2023  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 12/20/2023  
 Supervised By : Mahesh Dadoda 12/20/2023

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.757   | 114   | 204208   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.055  | 117   | 182262   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024  | 152   | 87925    | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.374   | 65    | 72549    | 45.295   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 90.600%  |
| 7) Chloroethane-d5            | 1.648   | 69    | 26937m   | 22.753   | ug/L   | -0.02    |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 45.500%# |
| 11) 1,1-Dichloroethene-d2     | 2.288   | 65    | 33662    | 47.878   | ug/L   | -0.02    |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 95.760%  |
| 21) 2-Butanone-d5             | 4.483   | 46    | 120054   | 82.804   | ug/L   | 0.04     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 82.800%  |
| 24) Chloroform-d              | 5.056   | 84    | 130530   | 46.036   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 92.080%  |
| 26) 1,2-Dichloroethane-d4     | 5.952   | 65    | 97184    | 52.925   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 105.840% |
| 32) Benzene-d6                | 5.970   | 84    | 283953   | 50.481   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 100.960% |
| 36) 1,2-Dichloropropane-d6    | 7.306   | 67    | 88341    | 48.801   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 97.600%  |
| 41) Toluene-d8                | 8.647   | 98    | 245555   | 48.171   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 96.340%  |
| 43) trans-1,3-Dichloroprop... | 8.952   | 79    | 37308    | 40.499   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 81.000%  |
| 47) 2-Hexanone-d5             | 9.397   | 63    | 90064    | 83.301   | ug/L   | 0.02     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 83.300%  |
| 56) 1,1,2,2-Tetrachloroeth... | 11.195  | 84    | 111852   | 43.556   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 87.120%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.323  | 152   | 79124    | 47.609   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 95.220%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 46) Tetrachloroethene         | 9.269   | 164   | 821      | 0.813    | ug/L   | 97       |
| 51) Chlorobenzene             | 10.079  | 112   | 66990    | 17.657   | ug/L   | 94       |
| 64) 1,3-Dichlorobenzene       | 11.969  | 146   | 3664     | 1.332    | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 12.043  | 146   | 65039    | 23.340   | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 12.335  | 146   | 5323     | 2.024    | ug/L # | 90       |
| 70) 1,2,4-trichlorobenzene    | 13.591  | 180   | 3961     | 2.310    | ug/L   | 97       |
| 72) 1,2,3-Trichlorobenzene    | 13.963  | 180   | 2704     | 1.629    | ug/L   | 99       |
| -----                         |         |       |          |          |        |          |

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

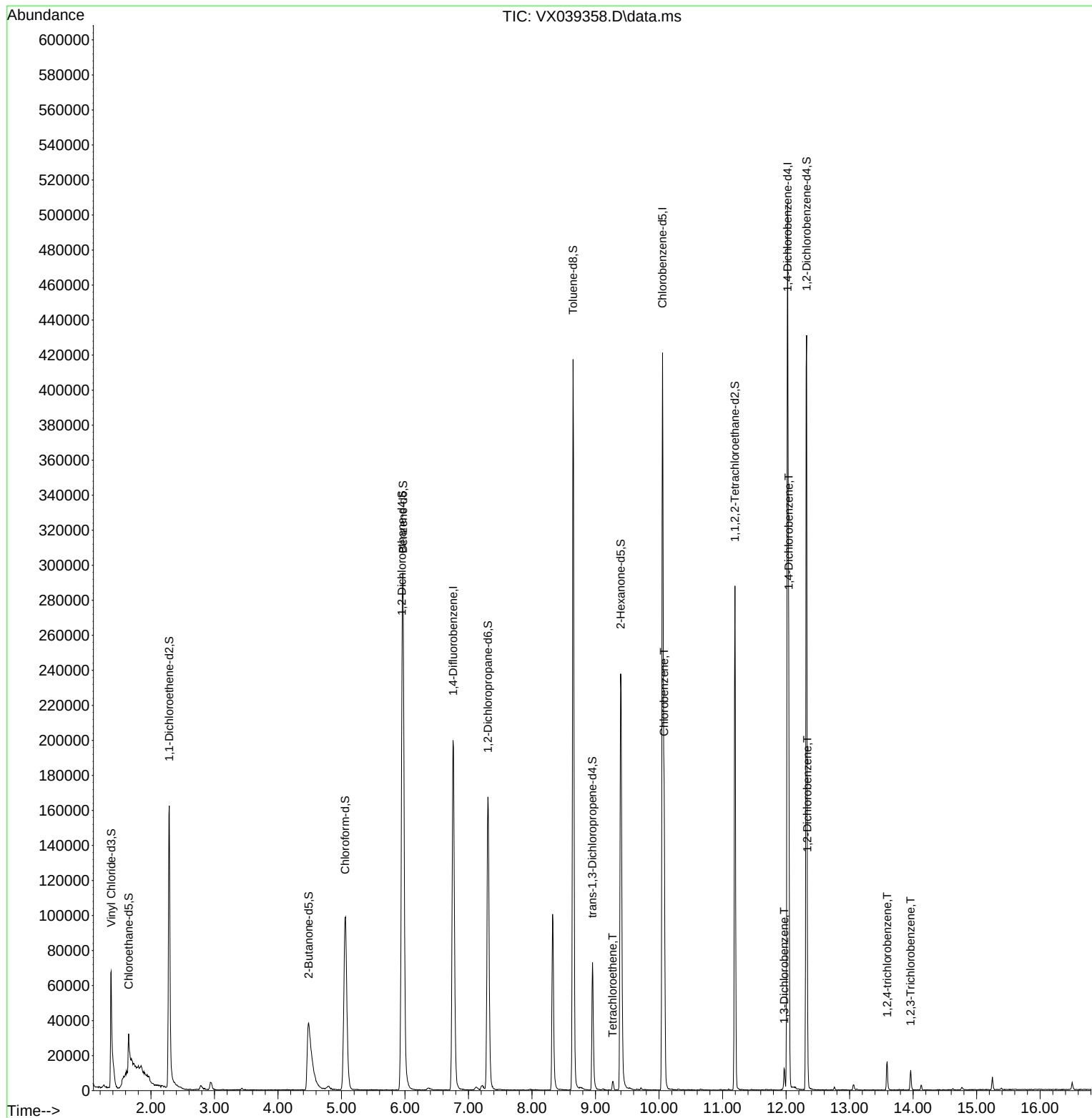
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121923\  
Data File : VX039358.D  
Acq On : 19 Dec 2023 15:56  
Operator : JC/MD  
Sample : 05834-05ME  
Misc : 3.13g/5mL/100uL/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 18 Sample Multiplier: 1

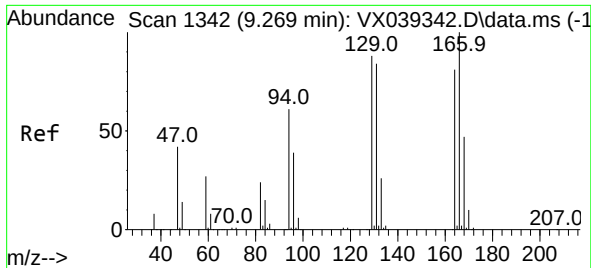
Instrument :  
MSVOA\_X  
ClientSampleId :  
BGQZ8ME

Quant Time: Dec 19 22:06:26 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM120523WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Dec 19 22:02:33 2023  
Response via : Initial Calibration

Manual Integrations  
APPROVED

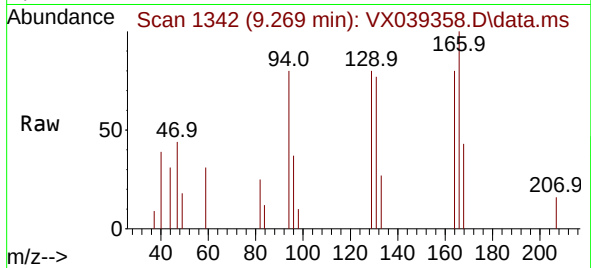
Reviewed By :John Carlone 12/20/2023  
Supervised By :Mahesh Dadoda 12/20/2023





#46  
Tetrachloroethene  
Concen: 0.813 ug/L  
RT: 9.269 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX039358.D  
Acq: 19 Dec 2023 15:56

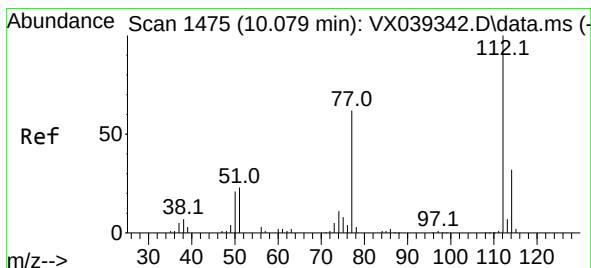
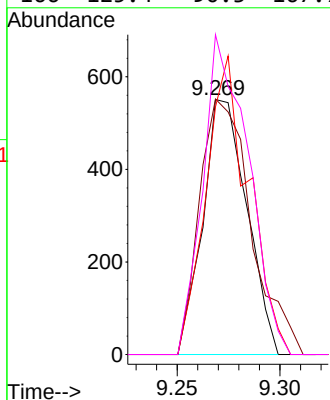
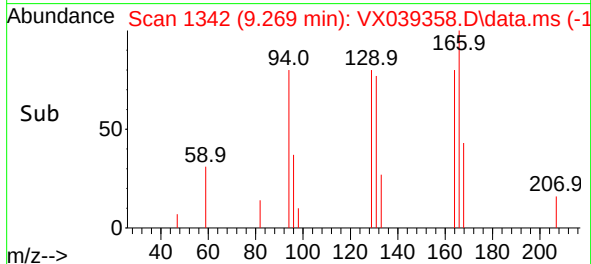
Instrument :  
MSVOA\_X  
ClientSampleId :  
BGQZ8ME



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 129     | 100.2 | 71.9  | 133.5 |
| 131     | 97.1  | 69.5  | 129.1 |
| 166     | 125.4 | 90.3  | 167.7 |

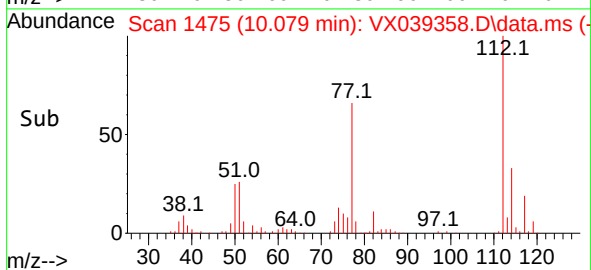
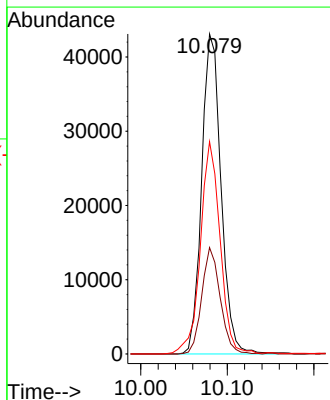
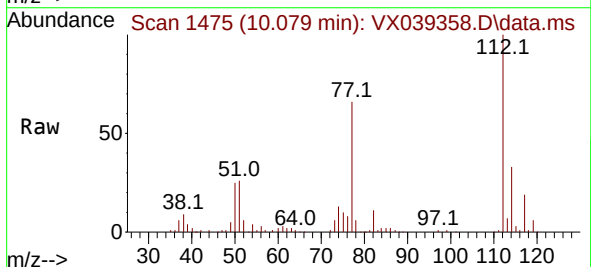
Manual Integrations  
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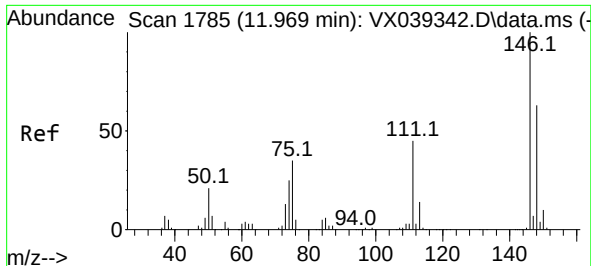
Reviewed By :John Carlone 12/20/2023  
Supervised By :Mahesh Dadoda 12/20/2023



#51  
Chlorobenzene  
Concen: 17.657 ug/L  
RT: 10.079 min Scan# 1475  
Delta R.T. -0.000 min  
Lab File: VX039358.D  
Acq: 19 Dec 2023 15:56

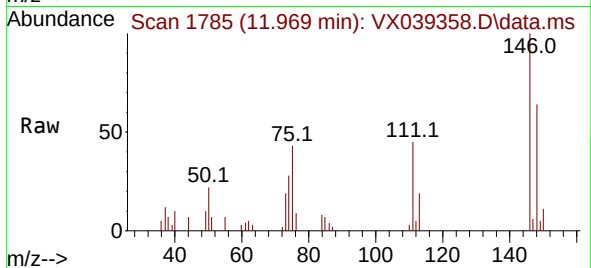
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 33.2  | 21.8  | 40.4  |
| 77      | 66.4  | 49.0  | 73.6  |





#64  
1,3-Dichlorobenzene  
Concen: 1.332 ug/L  
RT: 11.969 min Scan# 1785  
Delta R.T. -0.000 min  
Lab File: VX039358.D  
Acq: 19 Dec 2023 15:56

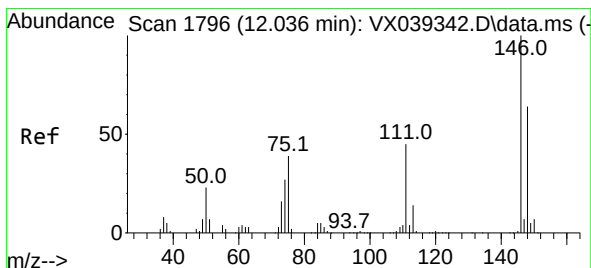
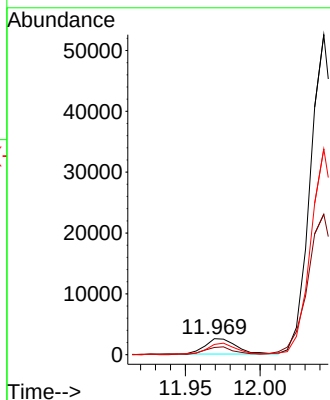
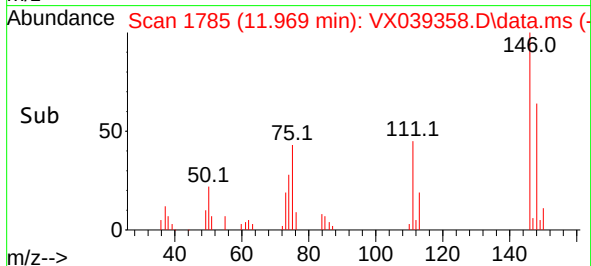
Instrument :  
MSVOA\_X  
ClientSampleId :  
BGQZ8ME



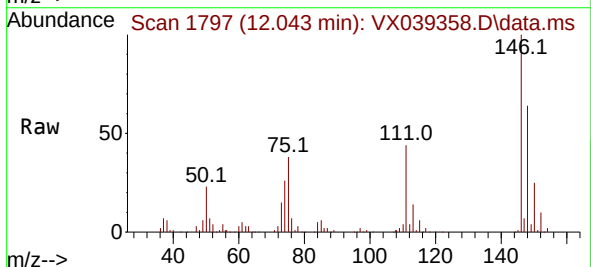
Tgt Ion:146 Resp: 3664  
Ion Ratio Lower Upper  
146 100  
111 45.2 30.0 55.6  
148 64.0 44.2 82.0

Manual Integrations  
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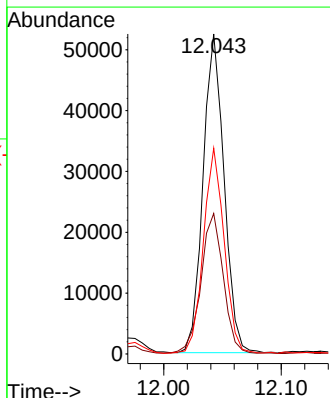
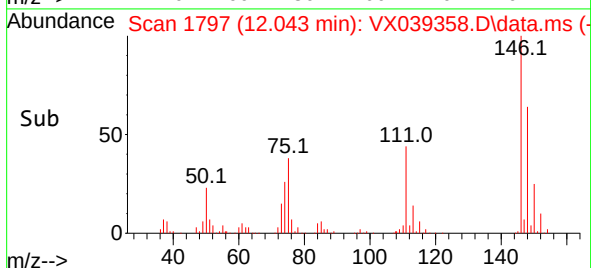
Reviewed By :John Carlone 12/20/2023  
Supervised By :Mahesh Dadoda 12/20/2023

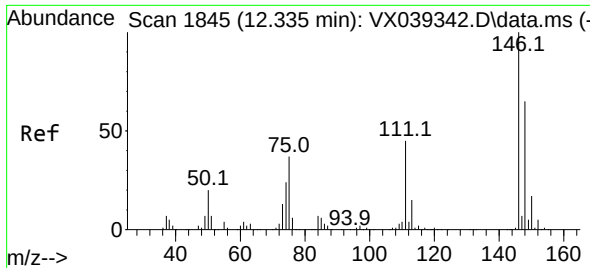


#65  
1,4-Dichlorobenzene  
Concen: 23.340 ug/L  
RT: 12.043 min Scan# 1797  
Delta R.T. 0.006 min  
Lab File: VX039358.D  
Acq: 19 Dec 2023 15:56



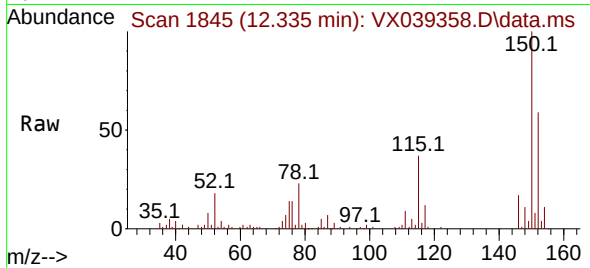
Tgt Ion:146 Resp: 65039  
Ion Ratio Lower Upper  
146 100  
111 43.9 29.7 55.1  
148 64.3 45.8 85.2





#67  
1,2-Dichlorobenzene  
Concen: 2.024 ug/L  
RT: 12.335 min Scan# 1845  
Delta R.T. -0.000 min  
Lab File: VX039358.D  
Acq: 19 Dec 2023 15:56

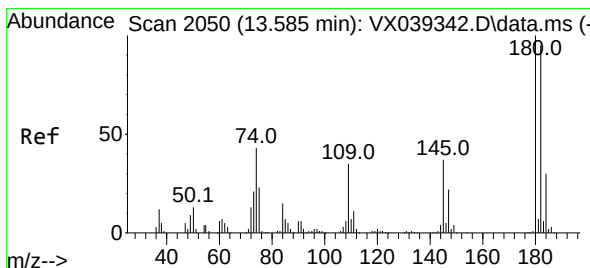
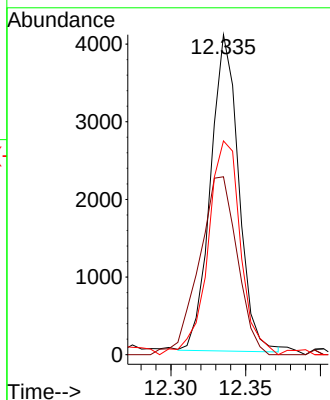
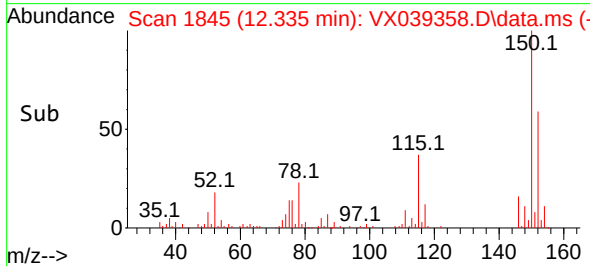
Instrument :  
MSVOA\_X  
ClientSampleId :  
BGQZ8ME



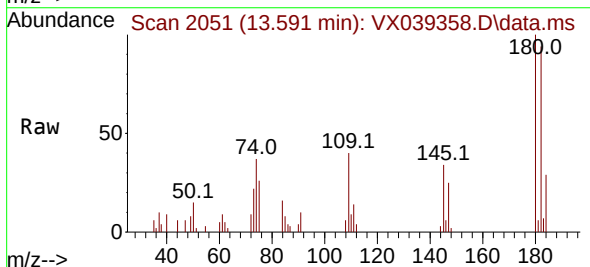
Tgt Ion:146 Resp: 532  
Ion Ratio Lower Upper  
146 100  
111 55.6 36.4 54.6  
148 66.8 50.0 75.0

Manual Integrations  
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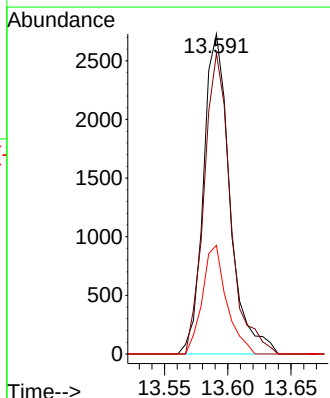
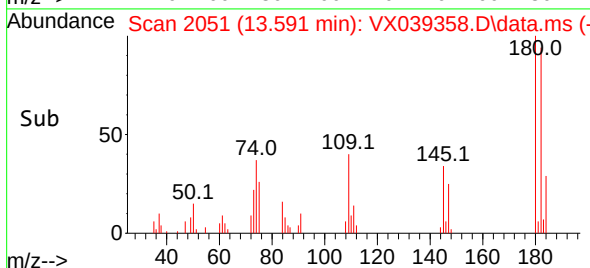
Reviewed By :John Carlone 12/20/2023  
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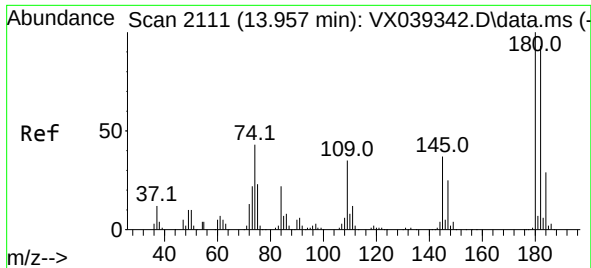


#70  
1,2,4-trichlorobenzene  
Concen: 2.310 ug/L  
RT: 13.591 min Scan# 2051  
Delta R.T. 0.006 min  
Lab File: VX039358.D  
Acq: 19 Dec 2023 15:56



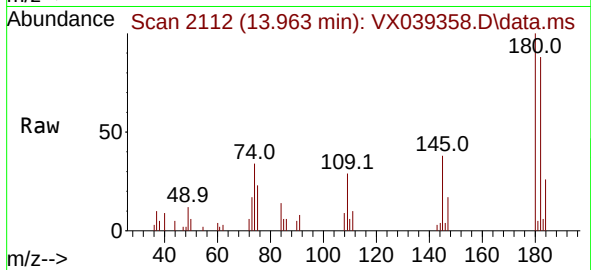
Tgt Ion:180 Resp: 3961  
Ion Ratio Lower Upper  
180 100  
182 93.6 76.8 115.2  
145 31.2 27.8 41.6





#72  
 1,2,3-Trichlorobenzene  
 Concen: 1.629 ug/L  
 RT: 13.963 min Scan# 2111  
 Delta R.T. 0.006 min  
 Lab File: VX039358.D  
 Acq: 19 Dec 2023 15:56

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BGQZ8ME



Tgt Ion:180 Resp: 2704  
 Ion Ratio Lower Upper  
 180 100  
 182 94.4 75.9 113.9  
 145 37.1 28.6 42.8

Manual Integrations  
 APPROVED

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