

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121923\  
 Data File : VX039383.D  
 Acq On : 20 Dec 2023 01:26  
 Operator : JC/MD  
 Sample : 05835-19 100X  
 Misc : 4.00g/5mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 C0AR9DL

Quant Time: Dec 20 02:23:26 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML120523WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Dec 20 00:14:00 2023  
 Response via : Initial Calibration

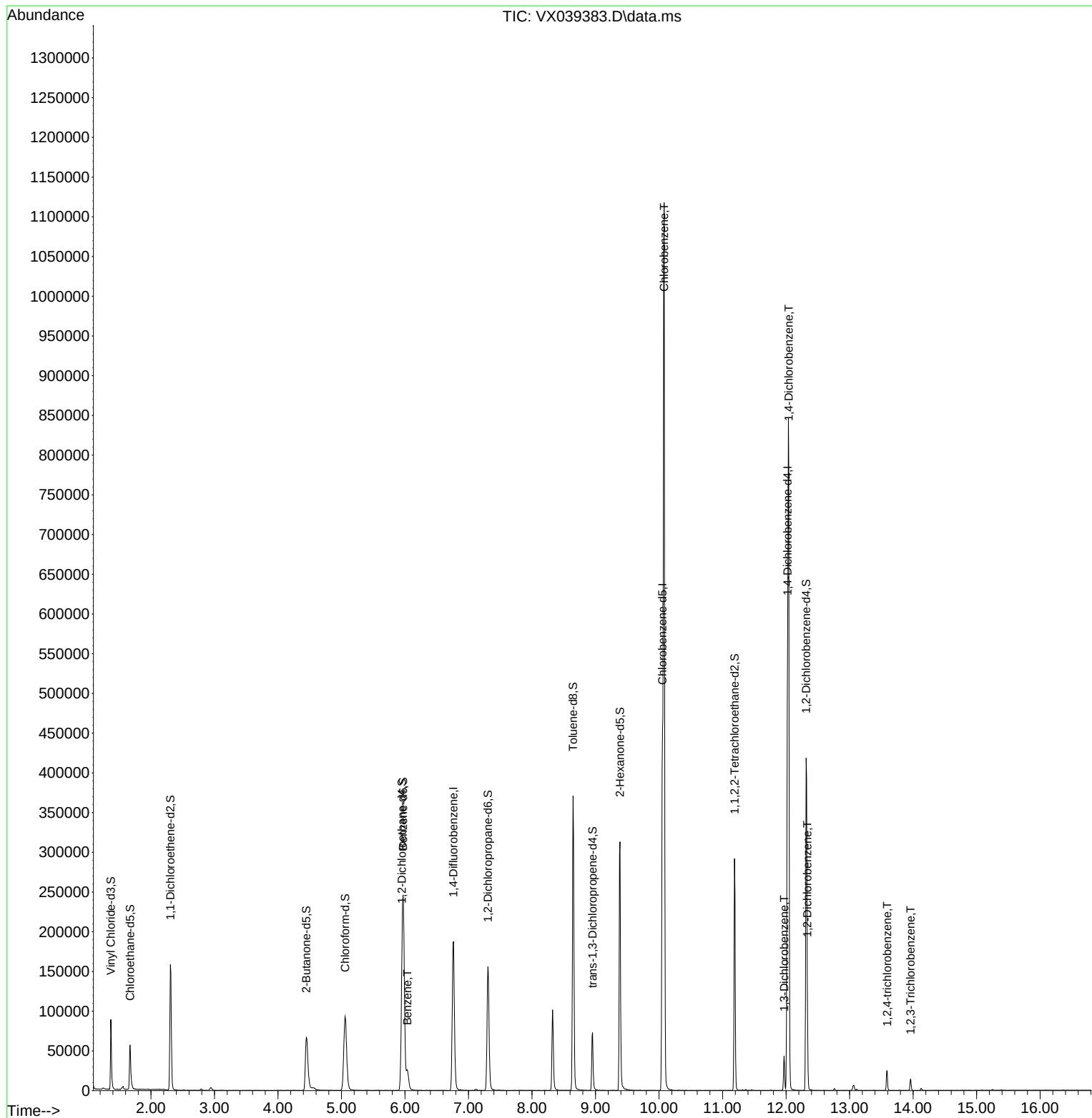
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.763   | 114   | 182113   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.055  | 117   | 170807   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024  | 152   | 82661    | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.367   | 65    | 58825    | 41.183   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 82.360%  |
| 7) Chloroethane-d5            | 1.672   | 69    | 45819    | 43.398   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 86.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.306   | 65    | 29221    | 46.604   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 93.200%  |
| 21) 2-Butanone-d5             | 4.446   | 46    | 121343   | 93.848   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 93.850%  |
| 24) Chloroform-d              | 5.056   | 84    | 114860   | 45.424   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 90.840%  |
| 26) 1,2-Dichloroethane-d4     | 5.952   | 65    | 83998    | 51.294   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 102.580% |
| 32) Benzene-d6                | 5.970   | 84    | 241989   | 45.906   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 91.820%  |
| 36) 1,2-Dichloropropane-d6    | 7.305   | 67    | 77981    | 45.967   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 91.940%  |
| 41) Toluene-d8                | 8.647   | 98    | 212884   | 44.563   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 89.120%  |
| 43) trans-1,3-Dichloroprop... | 8.951   | 79    | 33334    | 38.612   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 77.220%  |
| 47) 2-Hexanone-d5             | 9.384   | 63    | 87612    | 86.467   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 86.470%  |
| 56) 1,1,2,2-Tetrachloroeth... | 11.189  | 84    | 110980   | 46.115   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 92.240%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.317  | 152   | 73928    | 47.316   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 94.640%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 33) Benzene                   | 6.037   | 78    | 29072    | 5.356    | ug/L   | 100      |
| 51) Chlorobenzene             | 10.079  | 112   | 442131   | 124.351  | ug/L   | 96       |
| 64) 1,3-Dichlorobenzene       | 11.969  | 146   | 12105    | 4.682    | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 12.042  | 146   | 230514   | 87.991   | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 12.335  | 146   | 23501    | 9.503    | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.591  | 180   | 5508     | 3.417    | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.963  | 180   | 2950     | 1.890    | ug/L   | 90       |
| -----                         |         |       |          |          |        |          |

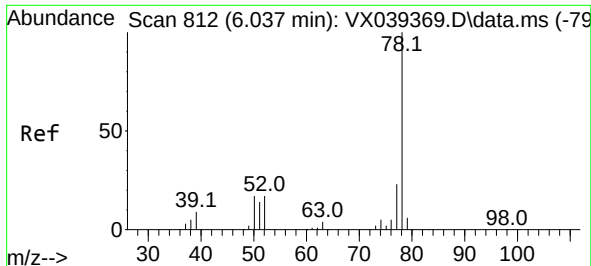
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121923\  
Data File : VX039383.D  
Acq On : 20 Dec 2023 01:26  
Operator : JC/MD  
Sample : 05835-19 100X  
Misc : 4.00g/5mL/100uL/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 43 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
C0AR9DL

Quant Time: Dec 20 02:23:26 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM120523WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Dec 20 00:14:00 2023  
Response via : Initial Calibration

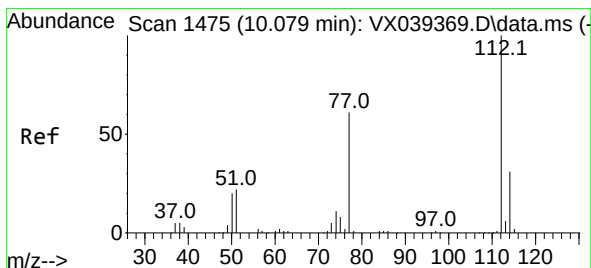
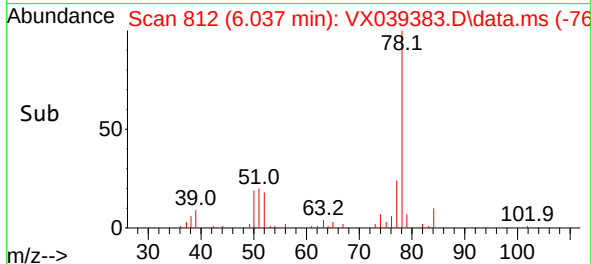
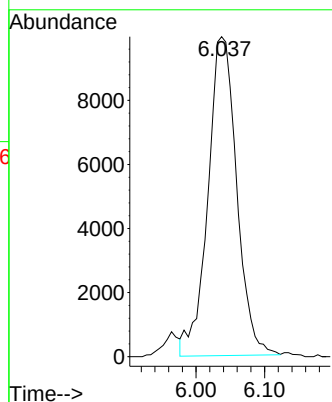
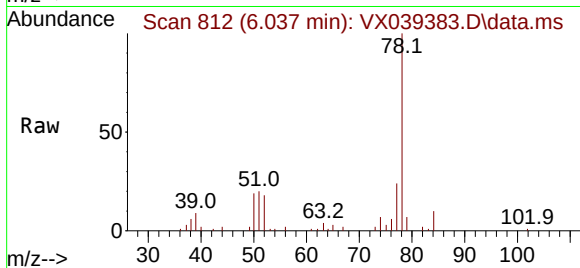




#33  
Benzene  
Concen: 5.356 ug/L  
RT: 6.037 min Scan# 812  
Delta R.T. -0.000 min  
Lab File: VX039383.D  
Acq: 20 Dec 2023 01:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
C0AR9DL

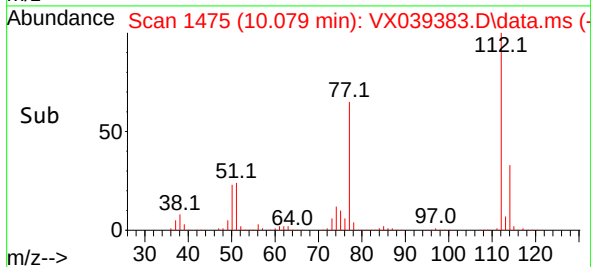
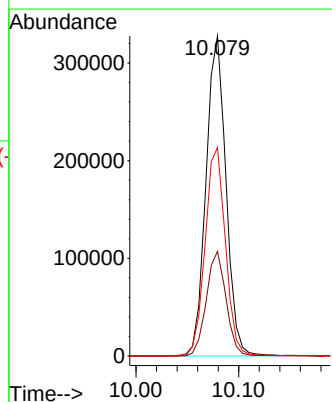
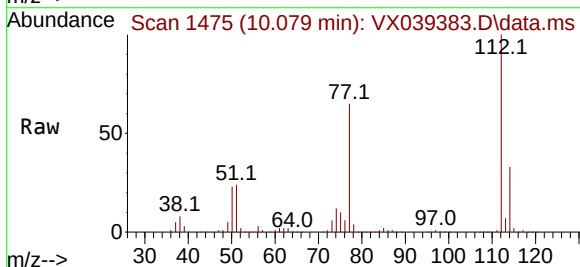
Tgt Ion: 78 Resp: 29072

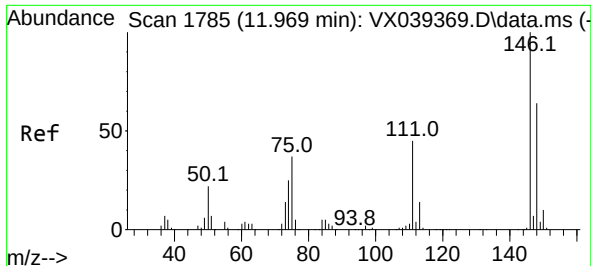


#51  
Chlorobenzene  
Concen: 124.351 ug/L  
RT: 10.079 min Scan# 1475  
Delta R.T. -0.000 min  
Lab File: VX039383.D  
Acq: 20 Dec 2023 01:26

Tgt Ion: 112 Resp: 442131  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 112 | 100   |       |       |
| 114 | 32.7  | 21.8  | 40.4  |
| 77  | 65.1  | 49.0  | 73.6  |

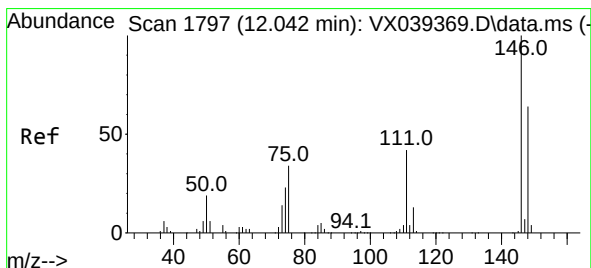
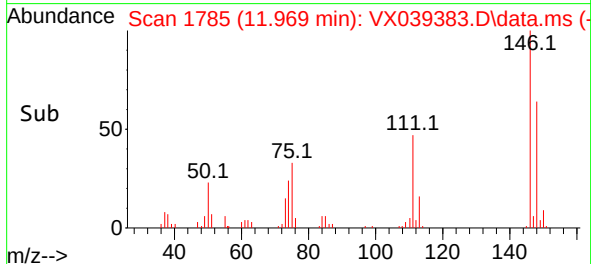
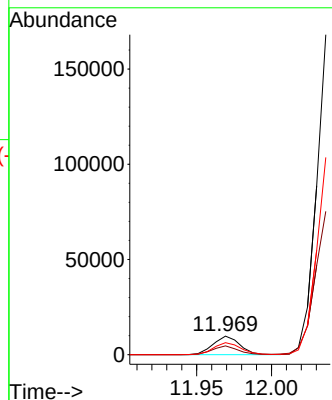
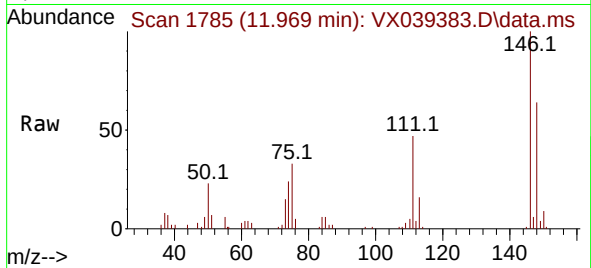




#64  
1,3-Dichlorobenzene  
Concen: 4.682 ug/L  
RT: 11.969 min Scan# 1785  
Delta R.T. -0.000 min  
Lab File: VX039383.D  
Acq: 20 Dec 2023 01:26

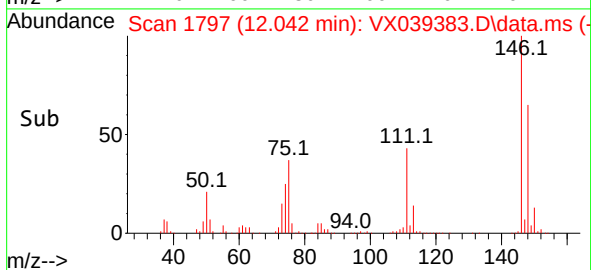
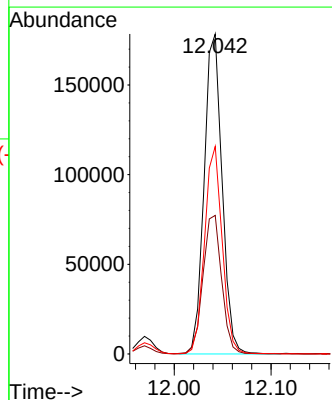
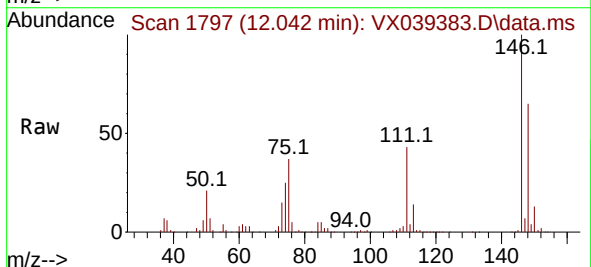
Instrument :  
MSVOA\_X  
ClientSampleId :  
C0AR9DL

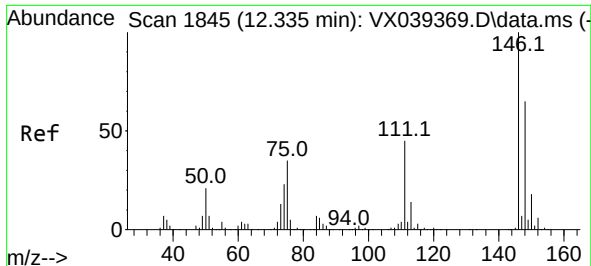
Tgt Ion:146 Resp: 12105  
Ion Ratio Lower Upper  
146 100  
111 47.0 30.0 55.6  
148 64.1 44.2 82.0



#65  
1,4-Dichlorobenzene  
Concen: 87.991 ug/L  
RT: 12.042 min Scan# 1797  
Delta R.T. -0.000 min  
Lab File: VX039383.D  
Acq: 20 Dec 2023 01:26

Tgt Ion:146 Resp: 230514  
Ion Ratio Lower Upper  
146 100  
111 43.3 29.7 55.1  
148 64.9 45.8 85.2





#67

1,2-Dichlorobenzene

Concen: 9.503 ug/L

RT: 12.335 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX039383.D

Acq: 20 Dec 2023 01:26

Instrument :

MSVOA\_X

ClientSampleId :

C0AR9DL

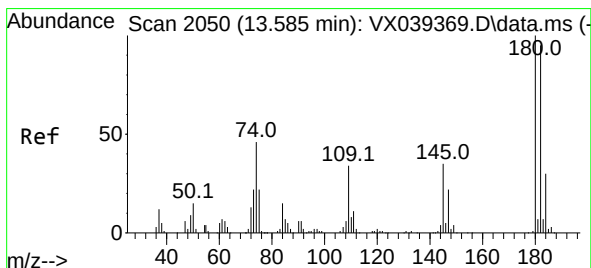
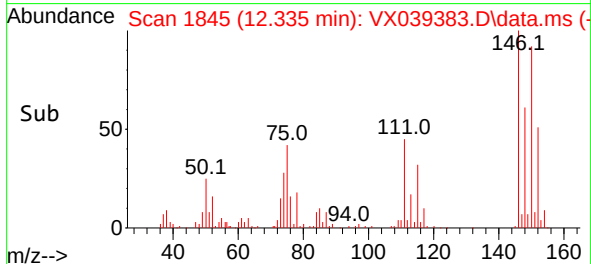
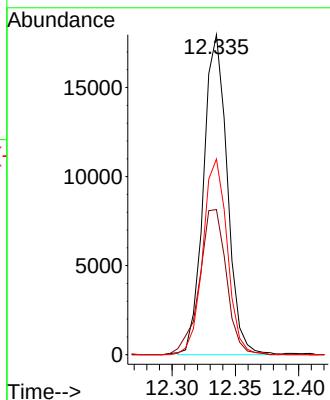
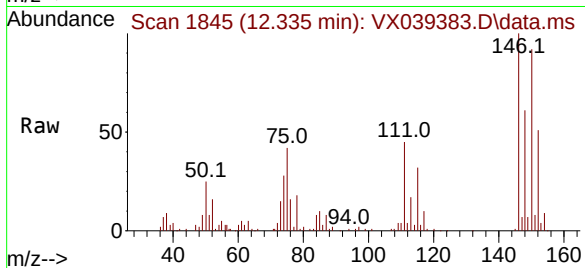
Tgt Ion:146 Resp: 23501

Ion Ratio Lower Upper

146 100

111 45.4 36.4 54.6

148 61.1 50.0 75.0



#70

1,2,4-trichlorobenzene

Concen: 3.417 ug/L

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX039383.D

Acq: 20 Dec 2023 01:26

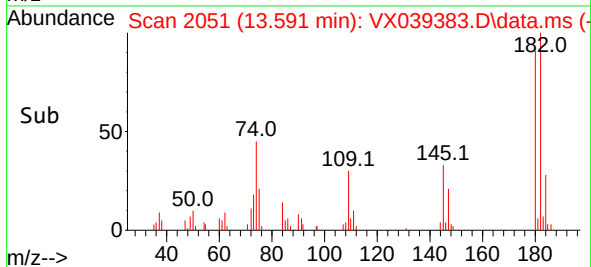
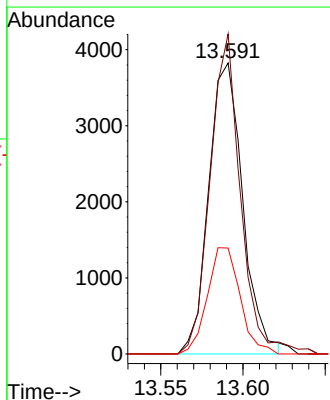
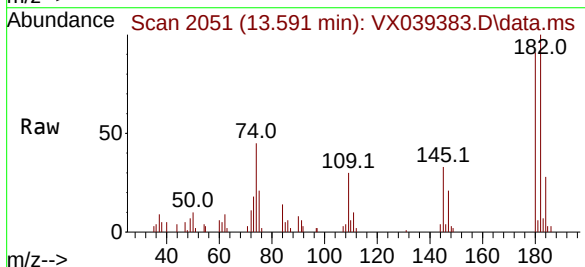
Tgt Ion:180 Resp: 5508

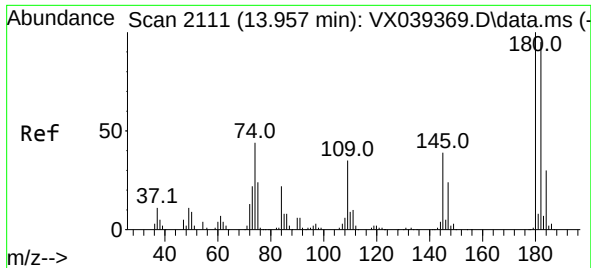
Ion Ratio Lower Upper

180 100

182 95.4 76.8 115.2

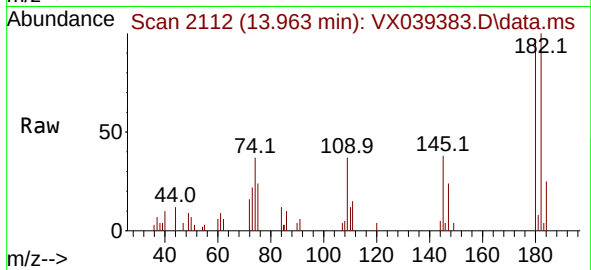
145 35.3 27.8 41.6





#72  
 1,2,3-Trichlorobenzene  
 Concen: 1.890 ug/L  
 RT: 13.963 min Scan# 2112  
 Delta R.T. 0.006 min  
 Lab File: VX039383.D  
 Acq: 20 Dec 2023 01:26

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 C0AR9DL



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 2950  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 106.1 | 75.9  | 113.9 |
| 145      | 40.1  | 28.6  | 42.8  |

