

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121123\  
 Data File : VX039150.D  
 Acq On : 11 Dec 2023 17:40  
 Operator : JC/MD  
 Sample : 05752-04 100X  
 Misc : 2.04g/5.0mL/100uL/5.0mL/MSVOA\_X/MEOH  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 COAT2

Quant Time: Dec 12 03:56:32 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML120523WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Dec 12 03:50:51 2023  
 Response via : Initial Calibration

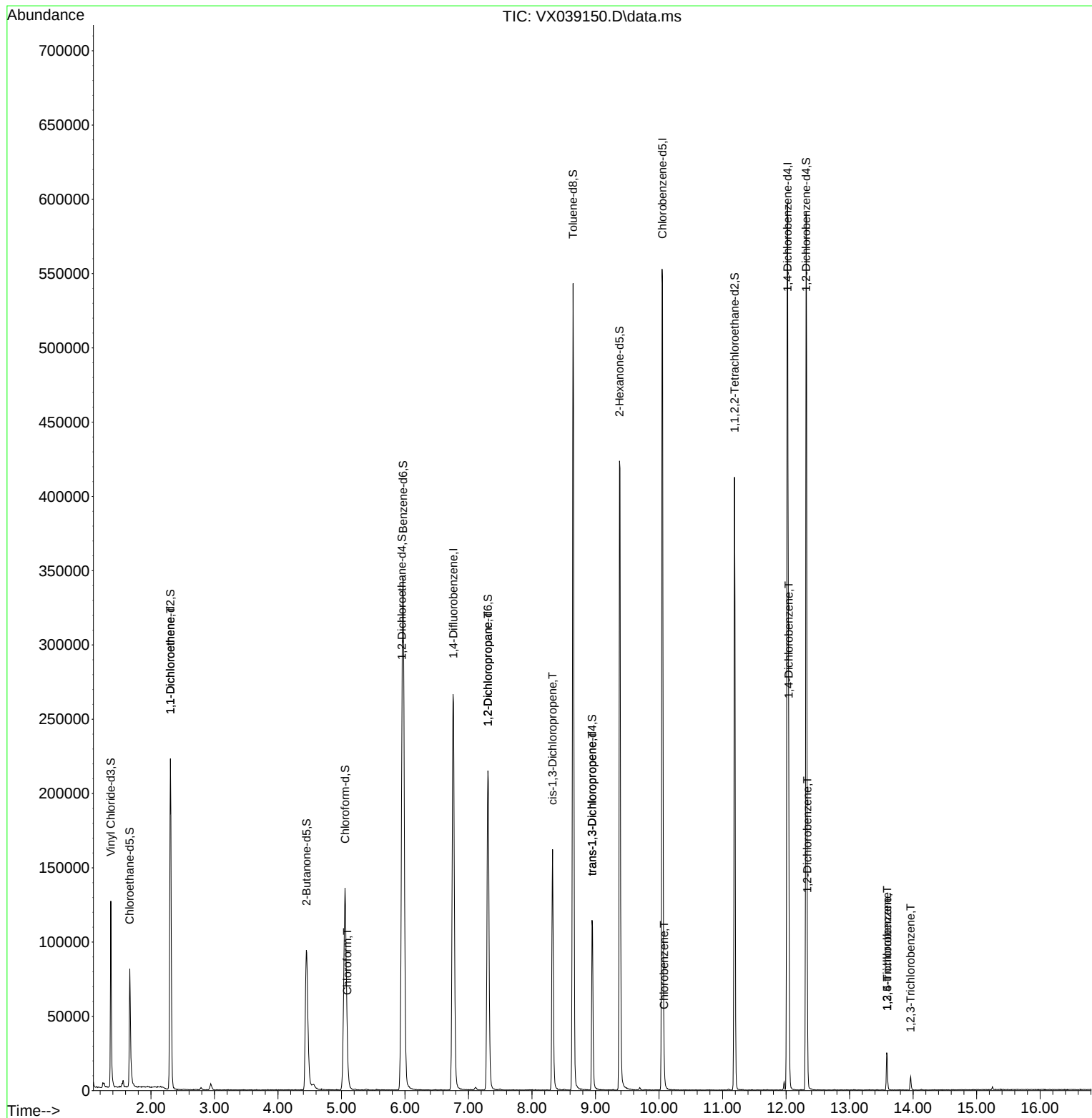
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) 1,4-Difluorobenzene        | 6.763          | 114  | 262298     | 50.000  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.055         | 117  | 241426     | 50.000  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 112968     | 50.000  | ug/L   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 4) Vinyl Chloride-d3          | 1.368          | 65   | 79810      | 38.793  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 77.580% |        |          |
| 7) Chloroethane-d5            | 1.666          | 69   | 59852      | 39.359  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 78.720% |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.306          | 65   | 40552      | 44.904  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 89.800% |        |          |
| 21) 2-Butanone-d5             | 4.446          | 46   | 170005     | 91.288  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 91.290% |        |          |
| 24) Chloroform-d              | 5.056          | 84   | 160328     | 44.023  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 88.040% |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.952          | 65   | 114072     | 48.364  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 96.720% |        |          |
| 32) Benzene-d6                | 5.970          | 84   | 342056     | 45.908  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 91.820% |        |          |
| 36) 1,2-Dichloropropane-d6    | 7.306          | 67   | 111136     | 46.348  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 92.700% |        |          |
| 41) Toluene-d8                | 8.647          | 98   | 306636     | 45.413  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 90.820% |        |          |
| 43) trans-1,3-Dichloroprop... | 8.945          | 79   | 54036      | 44.283  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 88.560% |        |          |
| 47) 2-Hexanone-d5             | 9.378          | 63   | 122497     | 85.533  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 85.530% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 11.189         | 84   | 156872     | 46.118  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 92.240% |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.317         | 152  | 104478     | 48.929  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 97.860% |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         |        | Qvalue   |
| 12) 1,1-Dichloroethene        | 2.306          | 96   | 961        | 0.569   | ug/L # | 1        |
| 25) Chloroform                | 5.093          | 83   | 9769       | 2.782   | ug/L   | 95       |
| 37) 1,2-Dichloropropane       | 7.306          | 63   | 13018      | 6.118   | ug/L # | 89       |
| 39) cis-1,3-Dichloropropene   | 8.324          | 75   | 3900       | 1.149   | ug/L   | 83       |
| 44) trans-1,3-Dichloropropene | 8.945          | 75   | 2571       | 0.816   | ug/L   | 84       |
| 51) Chlorobenzene             | 10.079         | 112  | 4554       | 0.906   | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 12.043         | 146  | 64445      | 18.000  | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 12.335         | 146  | 8775       | 2.596   | ug/L   | 95       |
| 69) 1,3,5-Trichlorobenzene    | 13.591         | 180  | 5806       | 2.485   | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.591         | 180  | 5806       | 2.636   | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 13.963         | 180  | 1983       | 0.930   | ug/L   | 100      |
| -----                         |                |      |            |         |        |          |

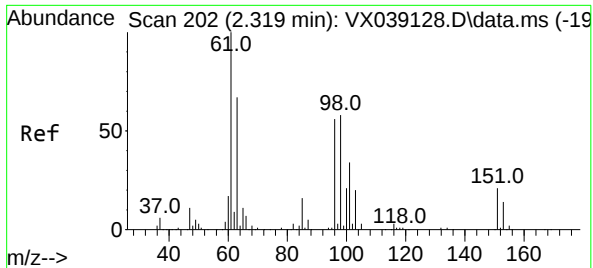
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121123\  
Data File : VX039150.D  
Acq On : 11 Dec 2023 17:40  
Operator : JC/MD  
Sample : 05752-04 100X  
Misc : 2.04g/5.0mL/100uL/5.0mL/MSVOA\_X/MEOH  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
C0AT2

Quant Time: Dec 12 03:56:32 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM120523WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Dec 12 03:50:51 2023  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.569 ug/L

RT: 2.306 min Scan# 200

Delta R.T. -0.012 min

Lab File: VX039150.D

Acq: 11 Dec 2023 17:40

Instrument :

MSVOA\_X

ClientSampleId :

C0AT2

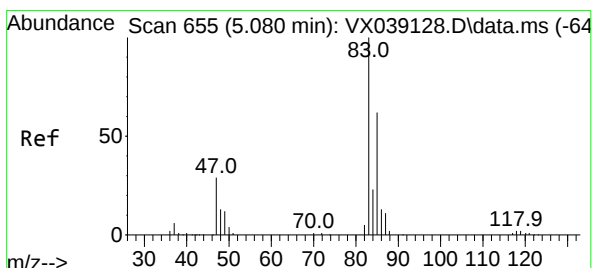
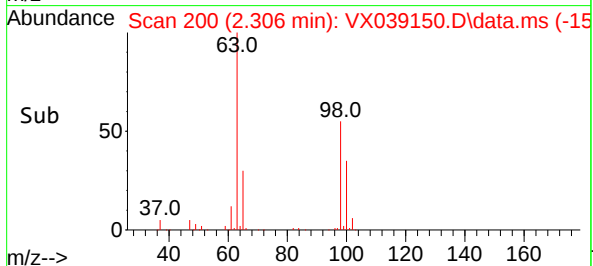
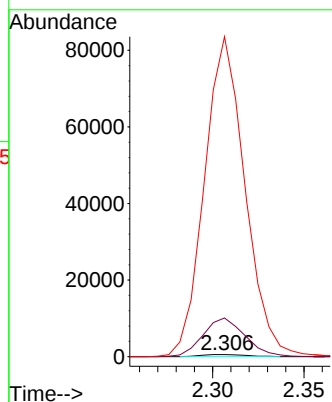
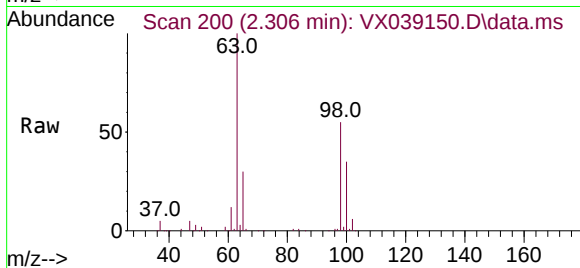
Tgt Ion: 96 Resp: 961

Ion Ratio Lower Upper

96 100

61 1783.6 128.0 237.6#

63 14738.6 101.5 188.5#



#25

Chloroform

Concen: 2.782 ug/L

RT: 5.093 min Scan# 657

Delta R.T. 0.012 min

Lab File: VX039150.D

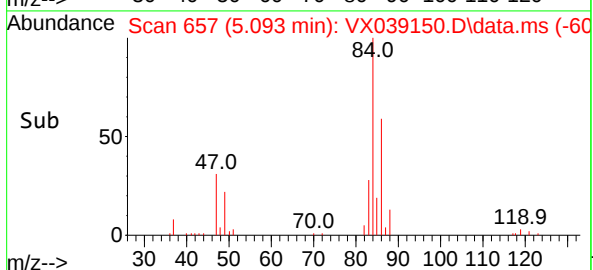
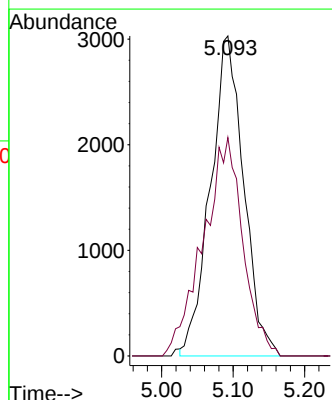
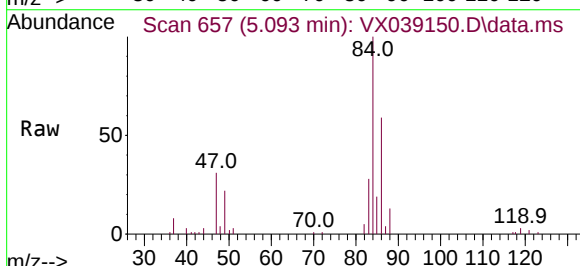
Acq: 11 Dec 2023 17:40

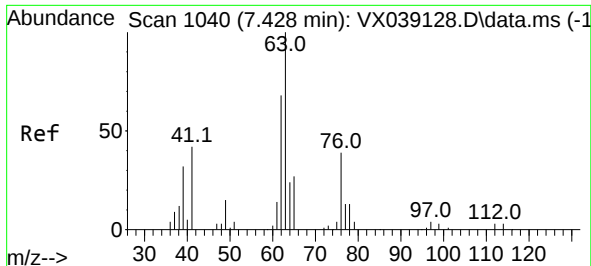
Tgt Ion: 83 Resp: 9769

Ion Ratio Lower Upper

83 100

85 68.3 45.1 83.7





#37

1,2-Dichloropropane

Concen: 6.118 ug/L

RT: 7.306 min Scan# 1187

Delta R.T. -0.122 min

Lab File: VX039150.D

Acq: 11 Dec 2023 17:40

Instrument :

MSVOA\_X

ClientSampleId :

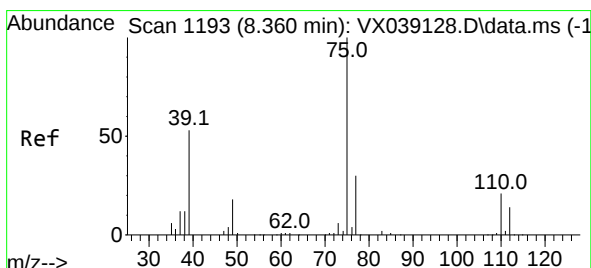
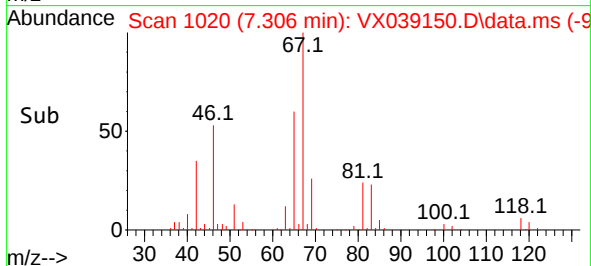
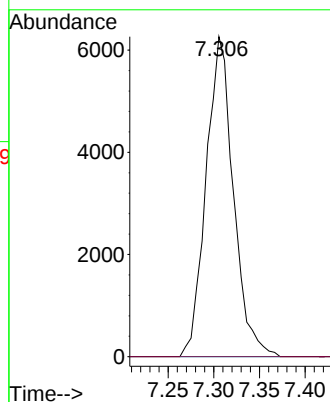
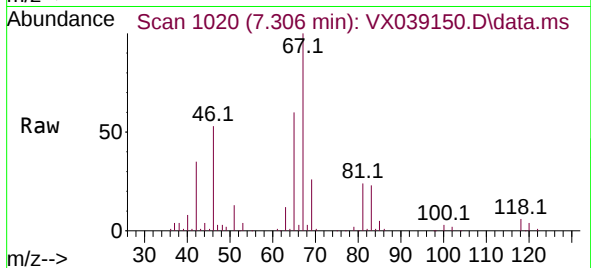
C0AT2

Tgt Ion: 63 Resp: 13018

Ion Ratio Lower Upper

63 100

112 0.0 2.8 4.2#



#39

cis-1,3-Dichloropropene

Concen: 1.149 ug/L

RT: 8.324 min Scan# 1187

Delta R.T. -0.037 min

Lab File: VX039150.D

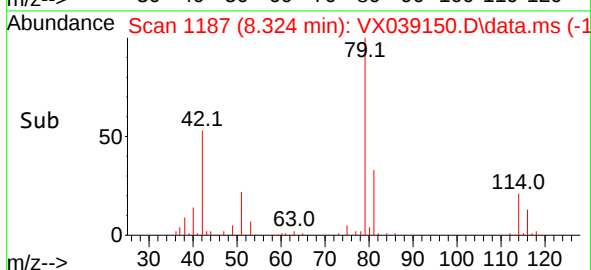
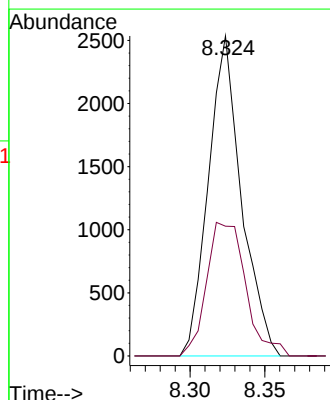
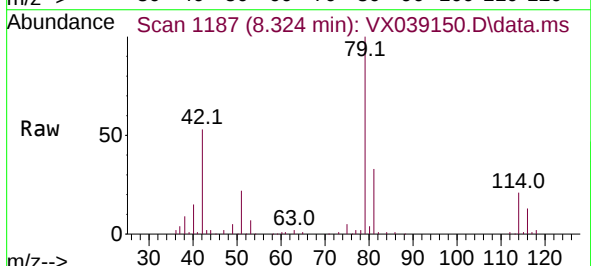
Acq: 11 Dec 2023 17:40

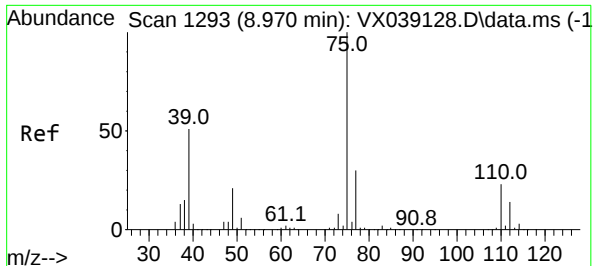
Tgt Ion: 75 Resp: 3900

Ion Ratio Lower Upper

75 100

77 40.6 22.0 40.8

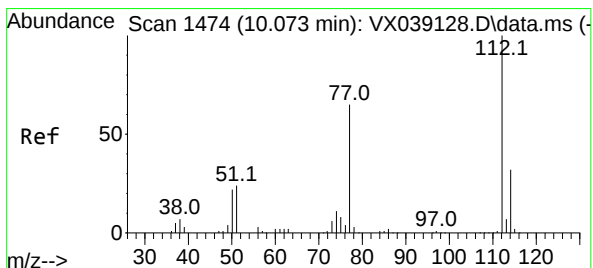
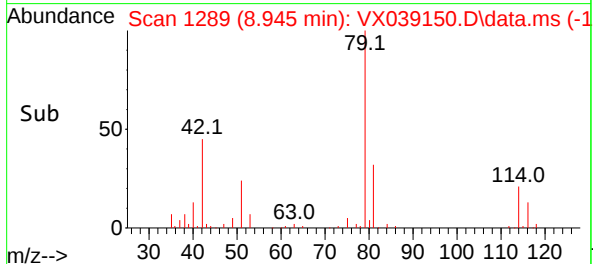
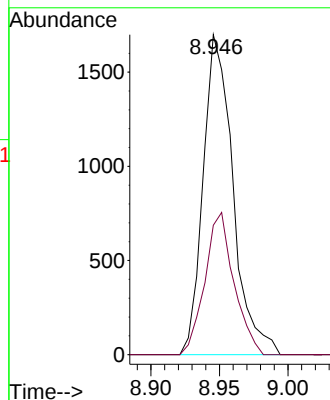
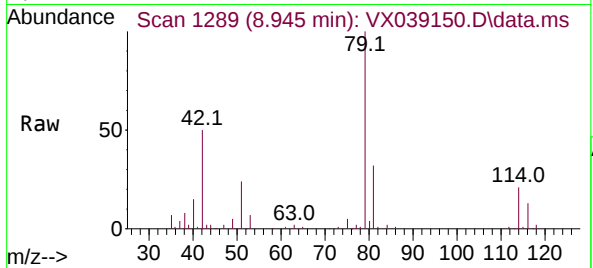




#44  
trans-1,3-Dichloropropene  
Concen: 0.816 ug/L  
RT: 8.945 min Scan# 11  
Delta R.T. -0.025 min  
Lab File: VX039150.D  
Acq: 11 Dec 2023 17:40

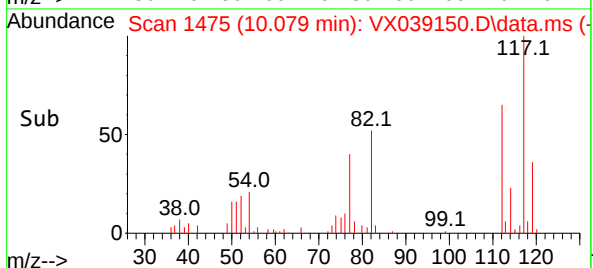
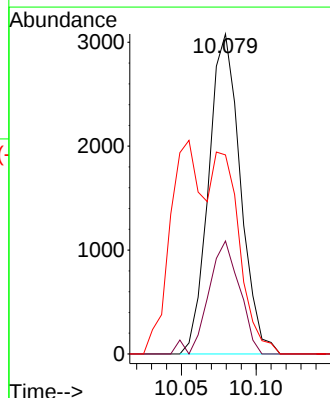
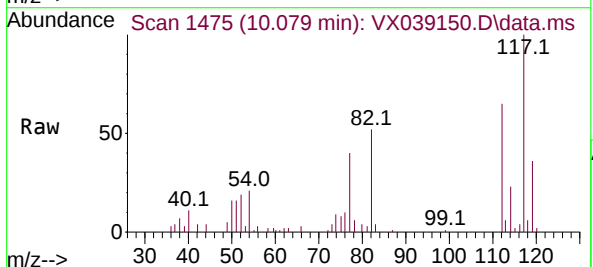
Instrument :  
MSVOA\_X  
ClientSampleId :  
C0AT2

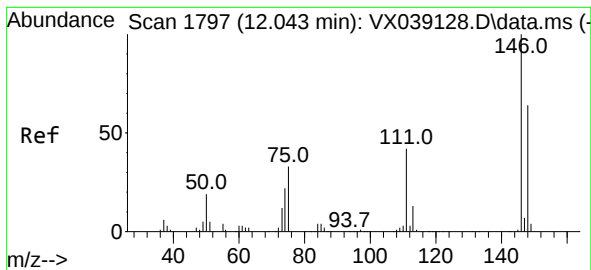
Tgt Ion: 75 Resp: 2571  
Ion Ratio Lower Upper  
75 100  
77 40.4 22.0 40.8



#51  
Chlorobenzene  
Concen: 0.906 ug/L  
RT: 10.079 min Scan# 1475  
Delta R.T. 0.006 min  
Lab File: VX039150.D  
Acq: 11 Dec 2023 17:40

Tgt Ion: 112 Resp: 4554  
Ion Ratio Lower Upper  
112 100  
114 35.3 21.8 40.4  
77 62.2 49.0 73.6





#65

1,4-Dichlorobenzene

Concen: 18.000 ug/L

RT: 12.043 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX039150.D

Acq: 11 Dec 2023 17:40

Instrument :

MSVOA\_X

ClientSampleId :

C0AT2

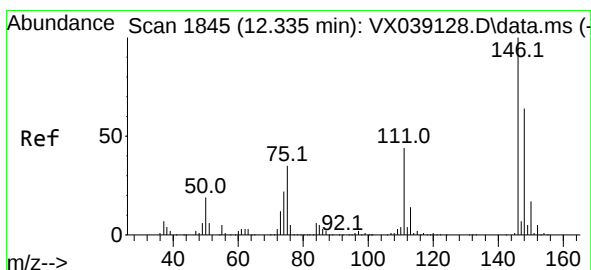
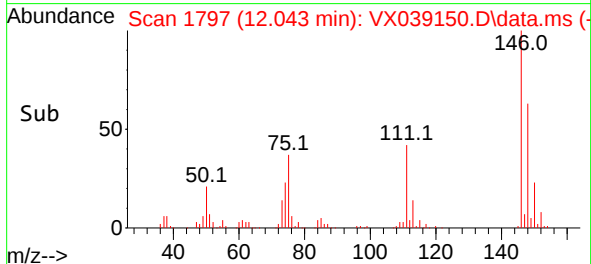
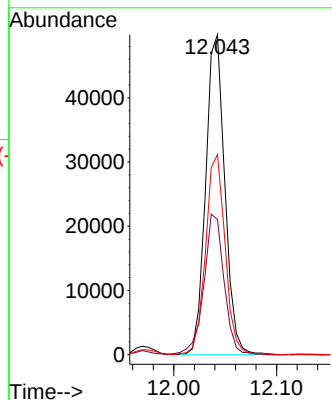
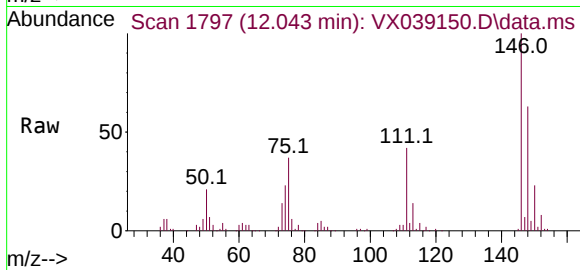
Tgt Ion:146 Resp: 64445

Ion Ratio Lower Upper

146 100

111 42.3 29.7 55.1

148 62.6 45.8 85.2



#67

1,2-Dichlorobenzene

Concen: 2.596 ug/L

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX039150.D

Acq: 11 Dec 2023 17:40

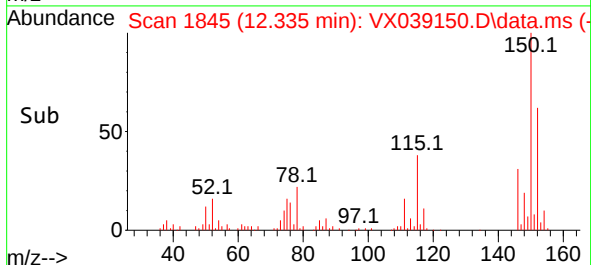
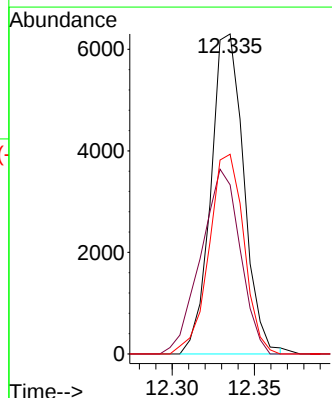
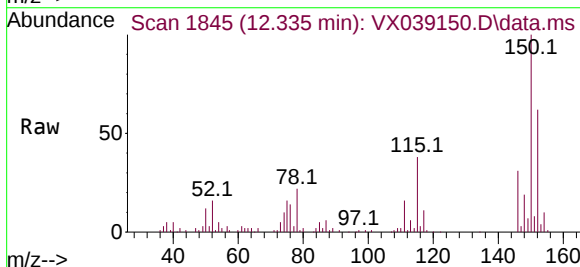
Tgt Ion:146 Resp: 8775

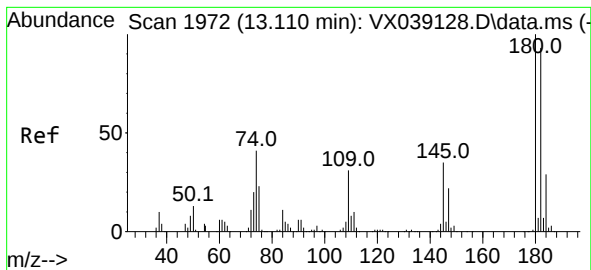
Ion Ratio Lower Upper

146 100

111 52.8 36.4 54.6

148 62.4 50.0 75.0





#69

1,3,5-Trichlorobenzene

Concen: 2.485 ug/L

RT: 13.591 min Scan# 2051

Delta R.T. 0.482 min

Lab File: VX039150.D

Acq: 11 Dec 2023 17:40

Instrument :

MSVOA\_X

ClientSampleId :

C0AT2

Tgt Ion:180 Resp: 5806

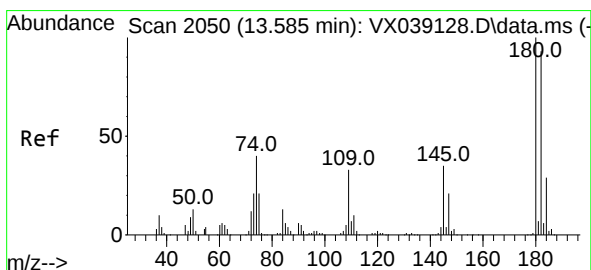
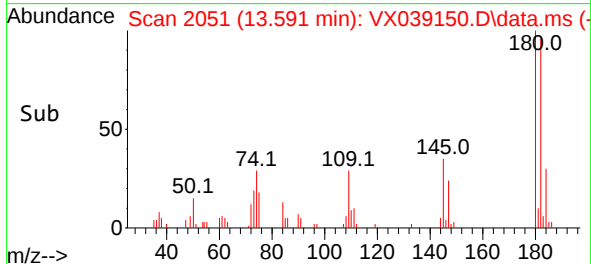
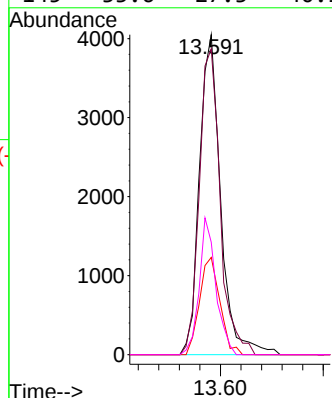
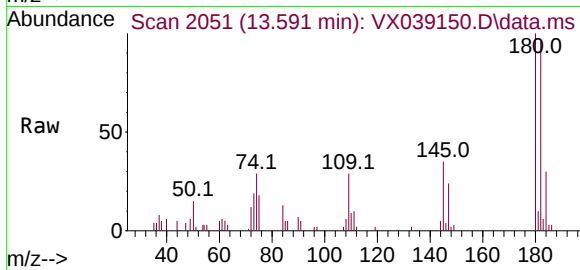
Ion Ratio Lower Upper

180 100

182 93.8 76.1 114.1

184 29.2 24.1 36.1

145 33.6 27.3 40.9



#70

1,2,4-trichlorobenzene

Concen: 2.636 ug/L

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX039150.D

Acq: 11 Dec 2023 17:40

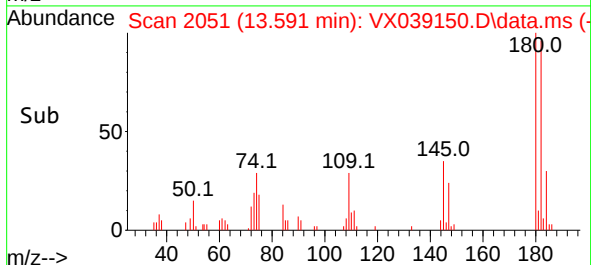
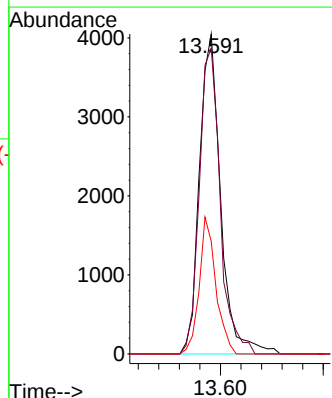
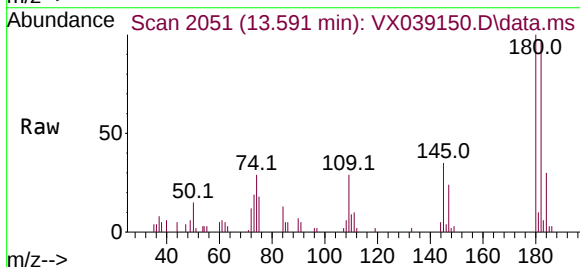
Tgt Ion:180 Resp: 5806

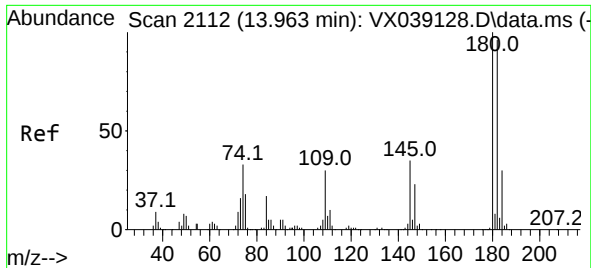
Ion Ratio Lower Upper

180 100

182 93.8 76.8 115.2

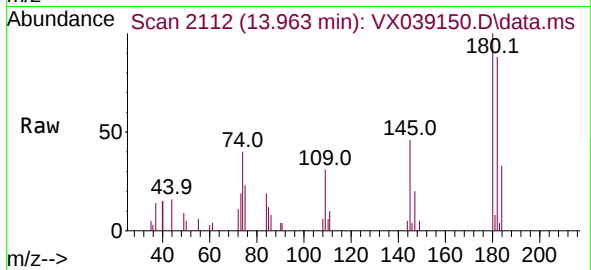
145 33.6 27.8 41.6





#72  
 1,2,3-Trichlorobenzene  
 Concen: 0.930 ug/L  
 RT: 13.963 min Scan# 2112  
 Delta R.T. -0.000 min  
 Lab File: VX039150.D  
 Acq: 11 Dec 2023 17:40

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 C0AT2



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 1983  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 95.2  | 75.9  | 113.9 |
| 145      | 36.3  | 28.6  | 42.8  |

