

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121123\  
 Data File : VX039139.D  
 Acq On : 11 Dec 2023 13:28  
 Operator : JC/MD  
 Sample : 05646-13DL 200X  
 Misc : 0.90g/5.0mL/100uL/5.0mL/MSVOA\_X/MEOH  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 COAS0MEDL

Quant Time: Dec 12 03:53:42 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

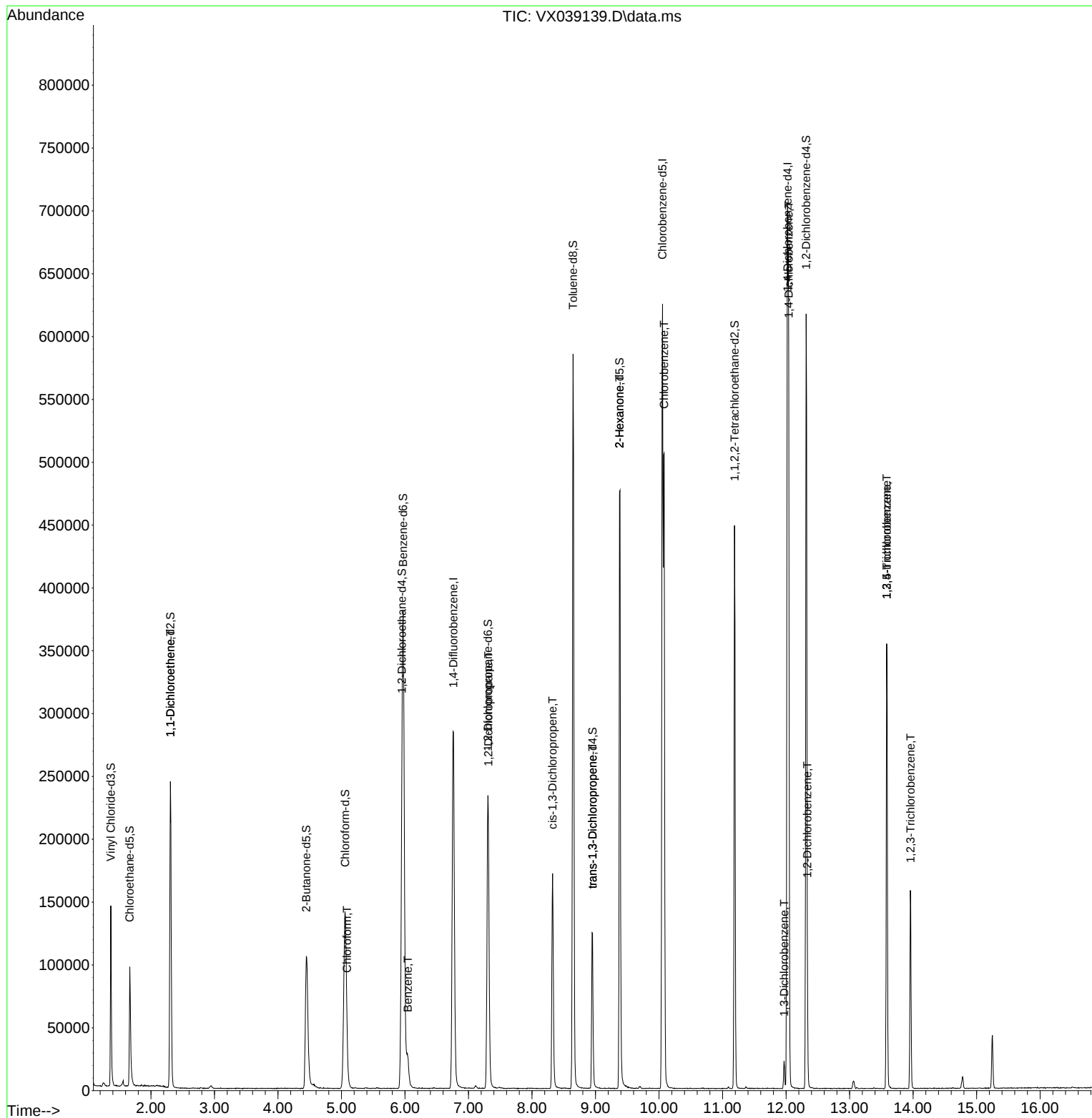
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) 1,4-Difluorobenzene        | 6.763          | 114  | 284164     | 50.000  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.055         | 117  | 259549     | 50.000  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 122450     | 50.000  | ug/L   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 4) Vinyl Chloride-d3          | 1.368          | 65   | 89492      | 40.152  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 80.300% |        |          |
| 7) Chloroethane-d5            | 1.666          | 69   | 67891      | 41.210  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 82.420% |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.307          | 65   | 44407      | 45.389  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 90.780% |        |          |
| 21) 2-Butanone-d5             | 4.446          | 46   | 190202     | 94.275  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 94.270% |        |          |
| 24) Chloroform-d              | 5.056          | 84   | 178865     | 45.333  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 90.660% |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.952          | 65   | 122746     | 48.037  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 96.080% |        |          |
| 32) Benzene-d6                | 5.970          | 84   | 377794     | 47.164  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 94.320% |        |          |
| 36) 1,2-Dichloropropane-d6    | 7.306          | 67   | 122124     | 47.375  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 94.740% |        |          |
| 41) Toluene-d8                | 8.647          | 98   | 337726     | 46.525  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 93.040% |        |          |
| 43) trans-1,3-Dichloroprop... | 8.952          | 79   | 60696      | 46.268  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 92.540% |        |          |
| 47) 2-Hexanone-d5             | 9.378          | 63   | 137713     | 89.444  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 89.440% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 11.189         | 84   | 168440     | 46.061  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 92.120% |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.317         | 152  | 113924     | 49.221  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 98.440% |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         |        | Qvalue   |
| 12) 1,1-Dichloroethene        | 2.307          | 96   | 1049       | 0.573   | ug/L # | 1        |
| 25) Chloroform                | 5.087          | 83   | 5060       | 1.330   | ug/L   | 88       |
| 33) Benzene                   | 6.044          | 78   | 29075      | 3.525   | ug/L   | 100      |
| 37) 1,2-Dichloropropane       | 7.312          | 63   | 13923      | 6.086   | ug/L # | 89       |
| 39) cis-1,3-Dichloropropene   | 8.324          | 75   | 4171       | 1.143   | ug/L # | 62       |
| 44) trans-1,3-Dichloropropene | 8.952          | 75   | 2720       | 0.803   | ug/L   | 88       |
| 48) 2-Hexanone                | 9.378          | 43   | 16733      | 5.215   | ug/L # | 68       |
| 51) Chlorobenzene             | 10.079         | 112  | 207445     | 38.396  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.969         | 146  | 6359       | 1.660   | ug/L   | 96       |
| 65) 1,4-Dichlorobenzene       | 12.043         | 146  | 168940     | 43.532  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 12.335         | 146  | 14856      | 4.055   | ug/L   | 98       |
| 69) 1,3,5-Trichlorobenzene    | 13.585         | 180  | 75193      | 29.689  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.585         | 180  | 75193      | 31.493  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.963         | 180  | 32484      | 14.051  | ug/L   | 99       |
| -----                         |                |      |            |         |        |          |

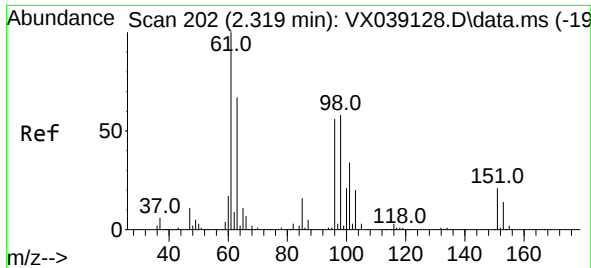
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121123\  
Data File : VX039139.D  
Acq On : 11 Dec 2023 13:28  
Operator : JC/MD  
Sample : 05646-13DL 200X  
Misc : 0.90g/5.0mL/100uL/5.0mL/MSVOA\_X/MEOH  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
C0AS0MEDL

Quant Time: Dec 12 03:53:42 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

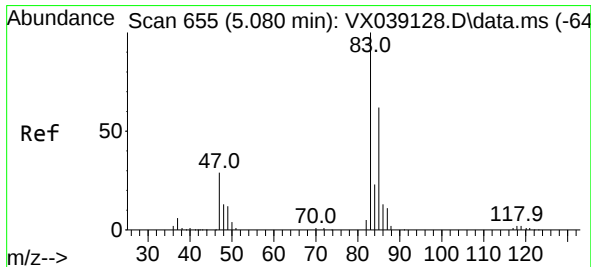
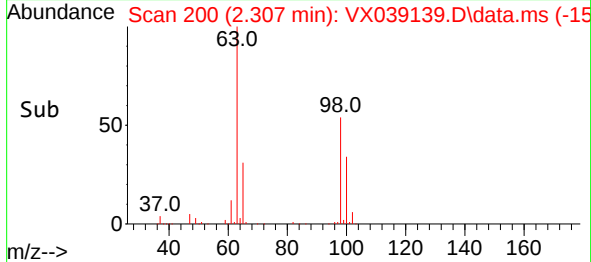
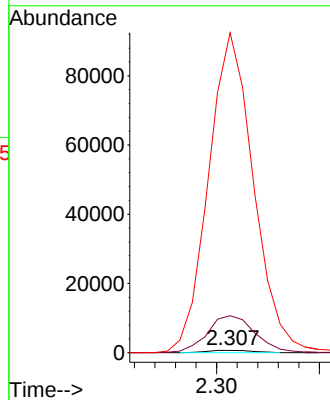
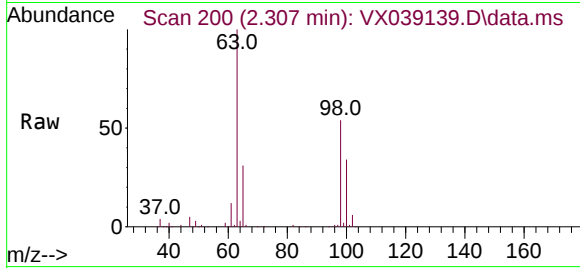




#12  
1,1-Dichloroethene  
Concen: 0.573 ug/L  
RT: 2.307 min Scan# 202  
Delta R.T. -0.012 min  
Lab File: VX039139.D  
Acq: 11 Dec 2023 13:28

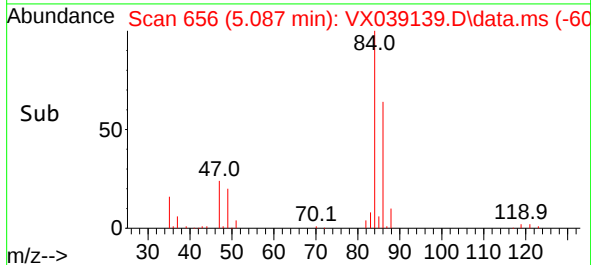
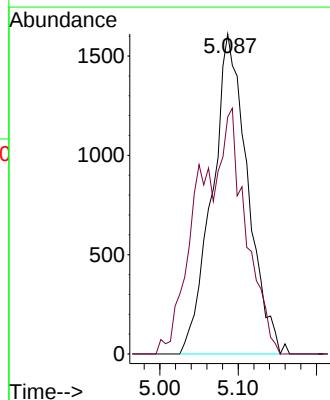
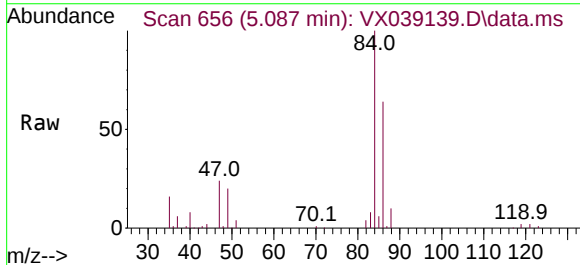
Instrument :  
MSVOA\_X  
ClientSampleId :  
COAS0MEDL

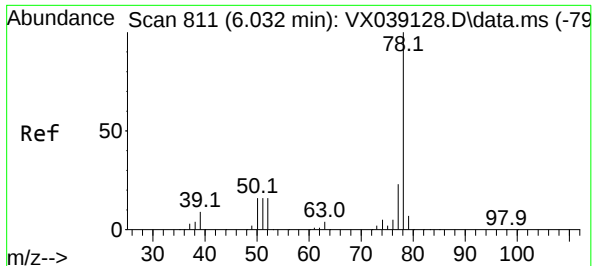
Tgt Ion: 96 Resp: 1049  
Ion Ratio Lower Upper  
96 100  
61 1596.1 128.0 237.6#  
63 13800.6 101.5 188.5#



#25  
Chloroform  
Concen: 1.330 ug/L  
RT: 5.087 min Scan# 656  
Delta R.T. 0.006 min  
Lab File: VX039139.D  
Acq: 11 Dec 2023 13:28

Tgt Ion: 83 Resp: 5060  
Ion Ratio Lower Upper  
83 100  
85 74.1 45.1 83.7

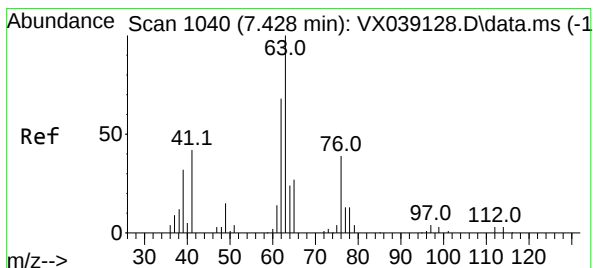
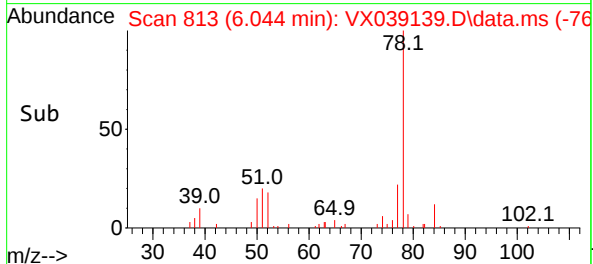
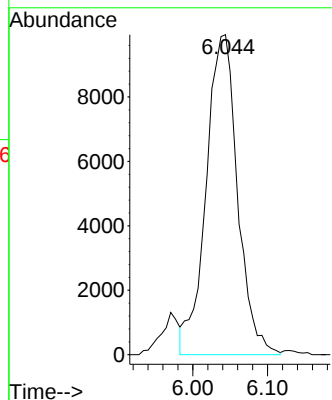
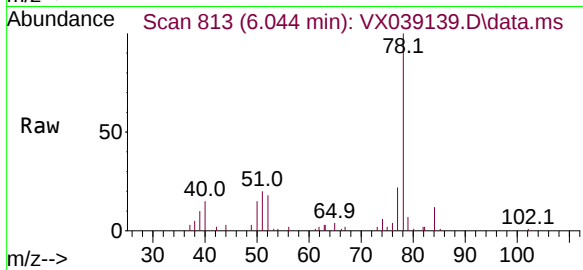




#33  
Benzene  
Concen: 3.525 ug/L  
RT: 6.044 min Scan# 811  
Delta R.T. 0.012 min  
Lab File: VX039139.D  
Acq: 11 Dec 2023 13:28

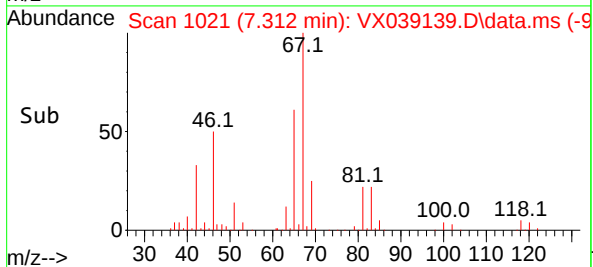
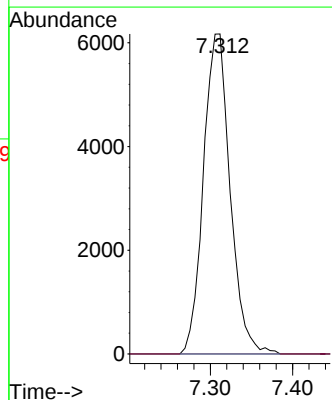
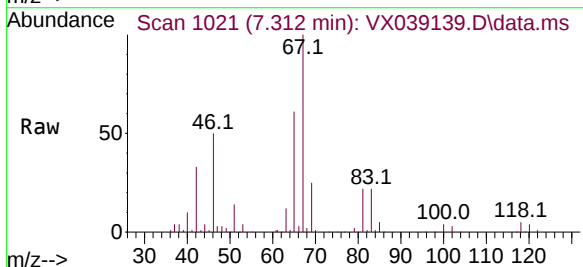
Instrument :  
MSVOA\_X  
ClientSampleId :  
COAS0MEDL

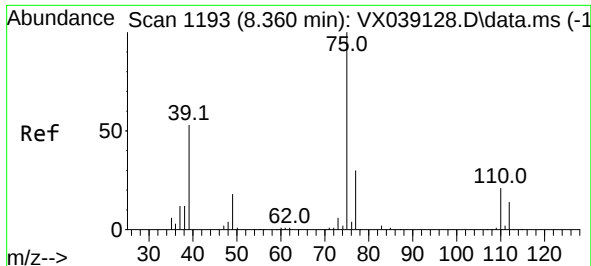
Tgt Ion: 78 Resp: 29075



#37  
1,2-Dichloropropane  
Concen: 6.086 ug/L  
RT: 7.312 min Scan# 1021  
Delta R.T. -0.116 min  
Lab File: VX039139.D  
Acq: 11 Dec 2023 13:28

Tgt Ion: 63 Resp: 13923  
Ion Ratio Lower Upper  
63 100  
112 0.0 2.8 4.2#





#39

cis-1,3-Dichloropropene

Concen: 1.143 ug/L

RT: 8.324 min Scan# 1187

Delta R.T. -0.037 min

Lab File: VX039139.D

Acq: 11 Dec 2023 13:28

Instrument :

MSVOA\_X

ClientSampleId :

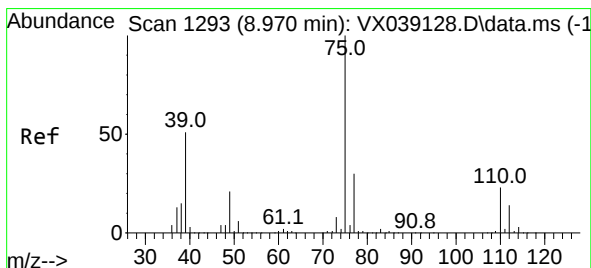
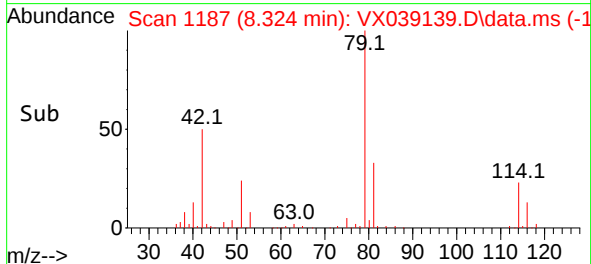
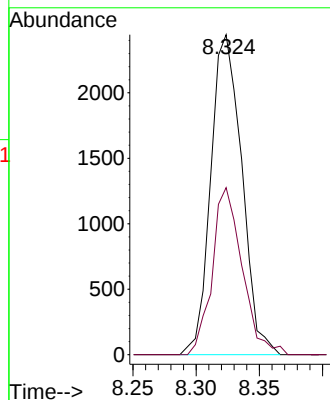
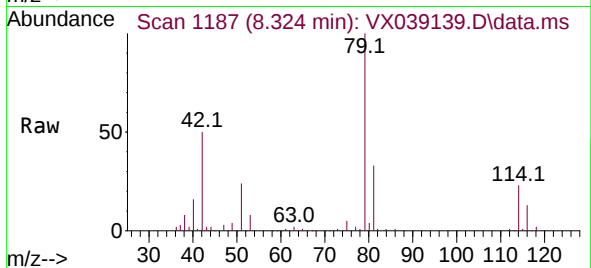
COAS0MEDL

Tgt Ion: 75 Resp: 4171

Ion Ratio Lower Upper

75 100

77 52.2 22.0 40.8#



#44

trans-1,3-Dichloropropene

Concen: 0.803 ug/L

RT: 8.952 min Scan# 1290

Delta R.T. -0.018 min

Lab File: VX039139.D

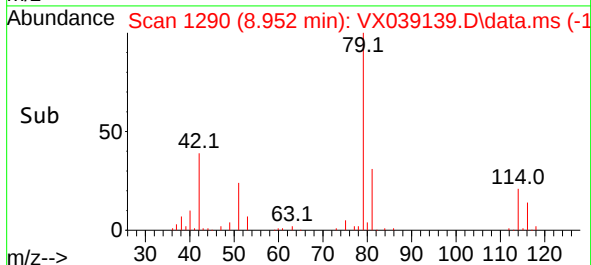
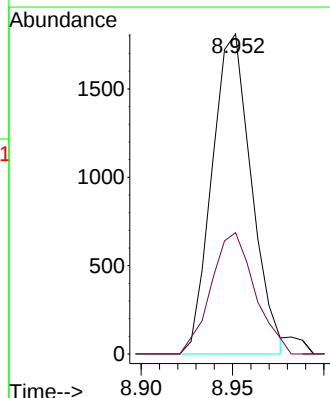
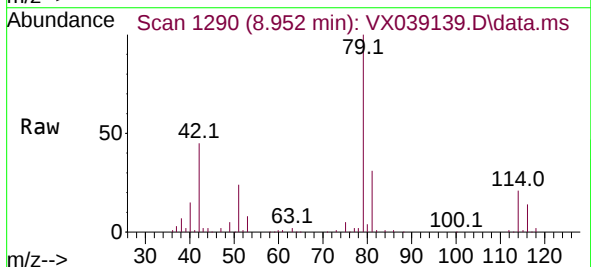
Acq: 11 Dec 2023 13:28

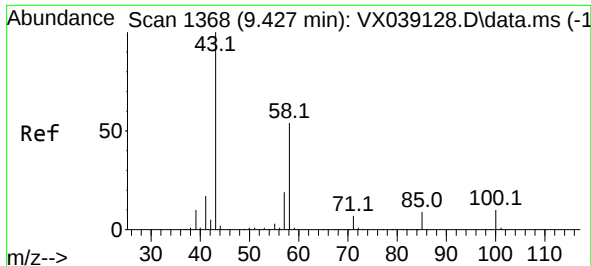
Tgt Ion: 75 Resp: 2720

Ion Ratio Lower Upper

75 100

77 37.9 22.0 40.8

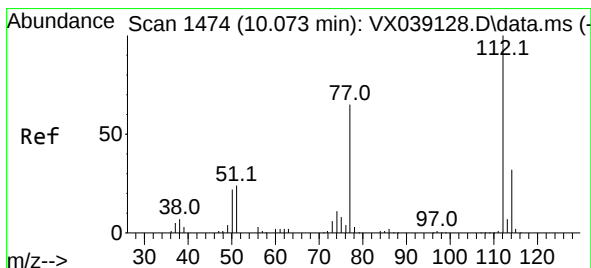
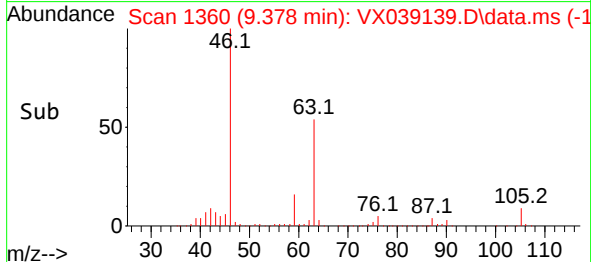
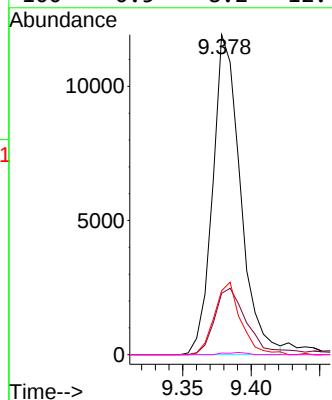
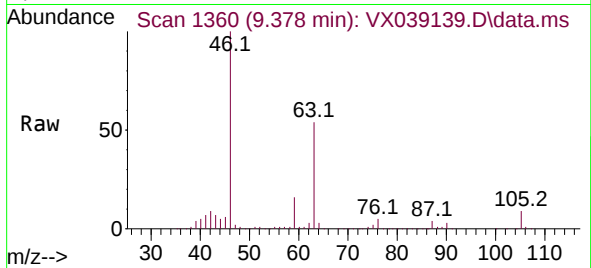




#48  
2-Hexanone  
Concen: 5.215 ug/L  
RT: 9.378 min Scan# 11  
Delta R.T. -0.049 min  
Lab File: VX039139.D  
Acq: 11 Dec 2023 13:28

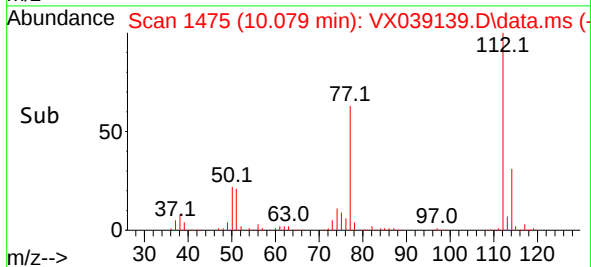
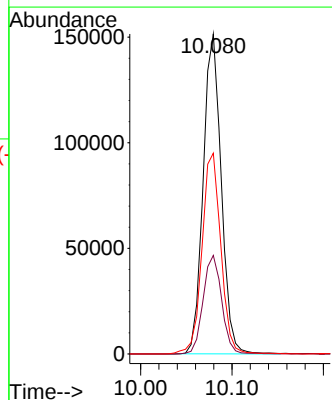
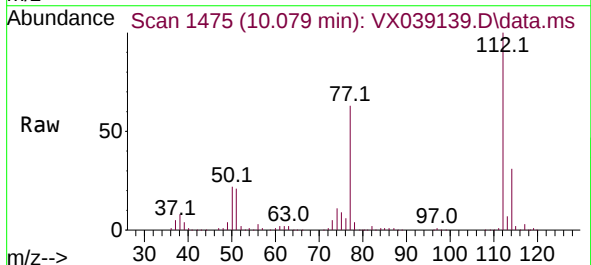
Instrument :  
MSVOA\_X  
ClientSampleId :  
COAS0MEDL

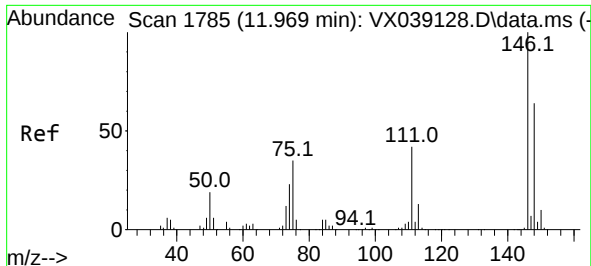
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 16733 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 24.6     | 43.0 64.6#  |
| 57 21.5     | 14.6 21.8   |
| 100 0.5     | 8.2 12.4#   |



#51  
Chlorobenzene  
Concen: 38.396 ug/L  
RT: 10.079 min Scan# 1475  
Delta R.T. 0.006 min  
Lab File: VX039139.D  
Acq: 11 Dec 2023 13:28

|             |              |       |  |
|-------------|--------------|-------|--|
| Tgt Ion:112 | Resp: 207445 |       |  |
| Ion Ratio   | Lower        | Upper |  |
| 112 100     |              |       |  |
| 114 30.8    | 21.8         | 40.4  |  |
| 77 62.7     | 49.0         | 73.6  |  |

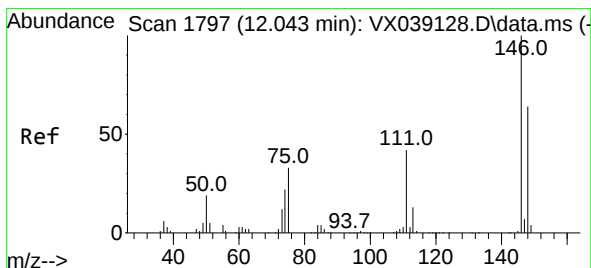
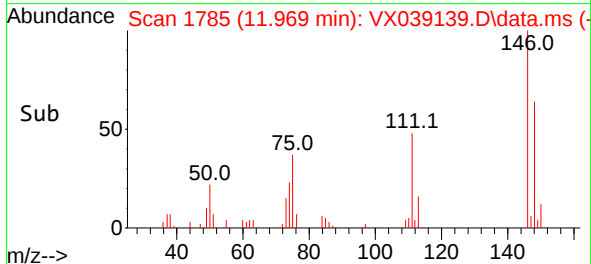
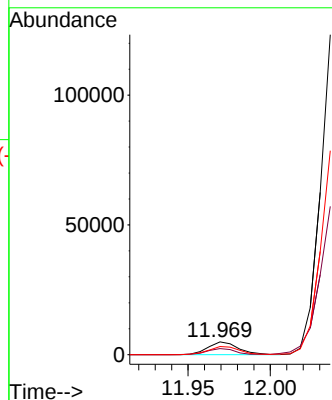
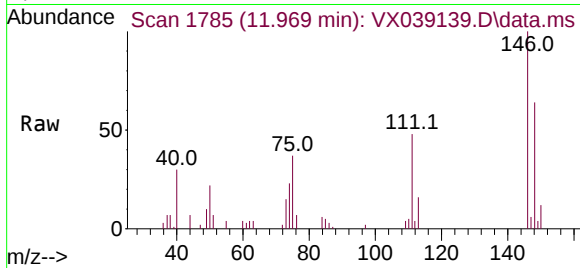




#64  
1,3-Dichlorobenzene  
Concen: 1.660 ug/L  
RT: 11.969 min Scan# 1785  
Delta R.T. -0.000 min  
Lab File: VX039139.D  
Acq: 11 Dec 2023 13:28

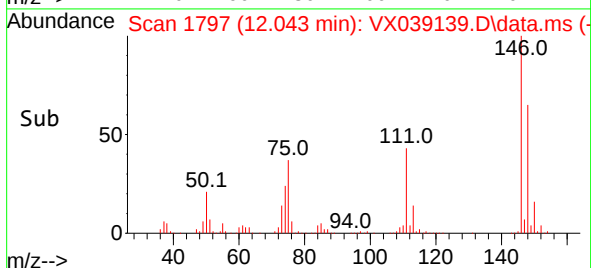
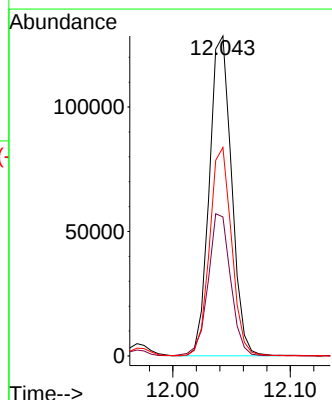
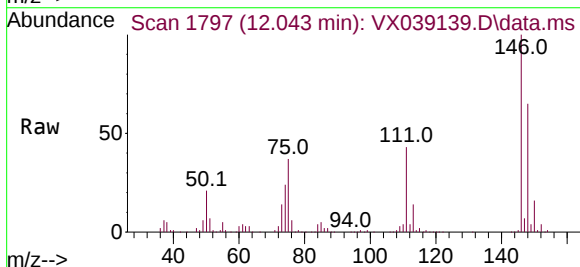
Instrument :  
MSVOA\_X  
ClientSampleId :  
COAS0MEDL

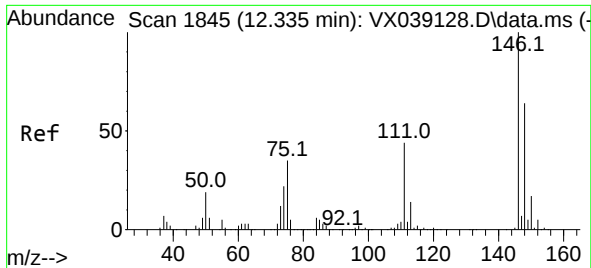
Tgt Ion:146 Resp: 6359  
Ion Ratio Lower Upper  
146 100  
111 47.8 30.0 55.6  
148 63.5 44.2 82.0



#65  
1,4-Dichlorobenzene  
Concen: 43.532 ug/L  
RT: 12.043 min Scan# 1797  
Delta R.T. -0.000 min  
Lab File: VX039139.D  
Acq: 11 Dec 2023 13:28

Tgt Ion:146 Resp: 168940  
Ion Ratio Lower Upper  
146 100  
111 43.4 29.7 55.1  
148 65.1 45.8 85.2





#67

1,2-Dichlorobenzene

Concen: 4.055 ug/L

RT: 12.335 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX039139.D

Acq: 11 Dec 2023 13:28

Instrument :

MSVOA\_X

ClientSampleId :

COAS0MEDL

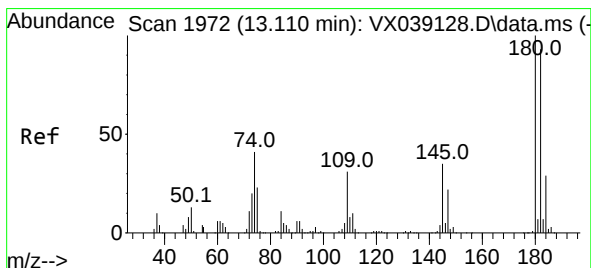
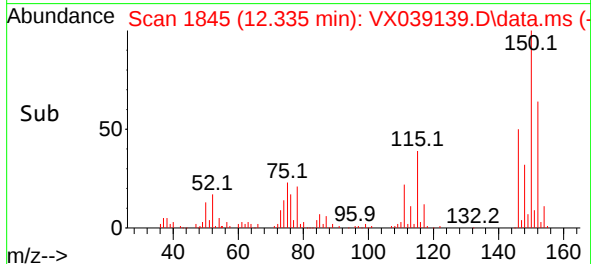
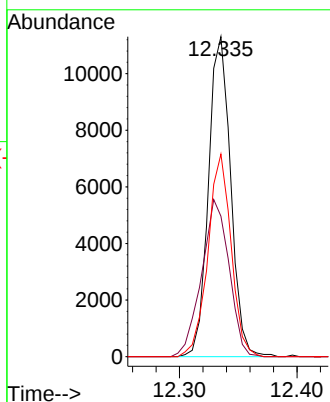
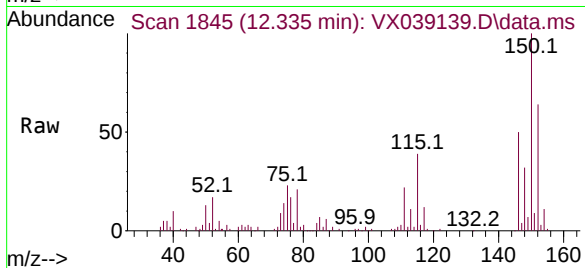
Tgt Ion:146 Resp: 14856

Ion Ratio Lower Upper

146 100

111 43.9 36.4 54.6

148 63.3 50.0 75.0



#69

1,3,5-Trichlorobenzene

Concen: 29.689 ug/L

RT: 13.585 min Scan# 2050

Delta R.T. 0.475 min

Lab File: VX039139.D

Acq: 11 Dec 2023 13:28

Tgt Ion:180 Resp: 75193

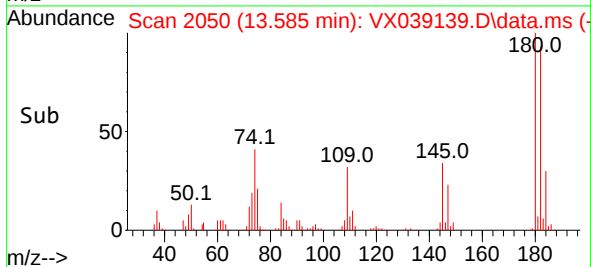
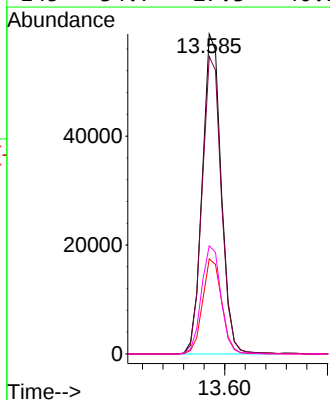
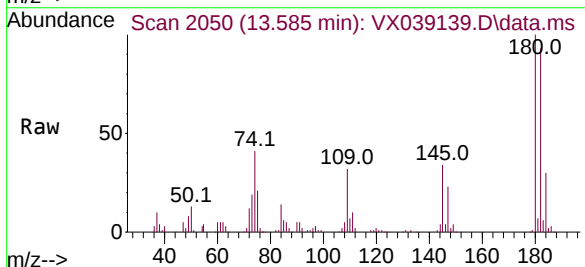
Ion Ratio Lower Upper

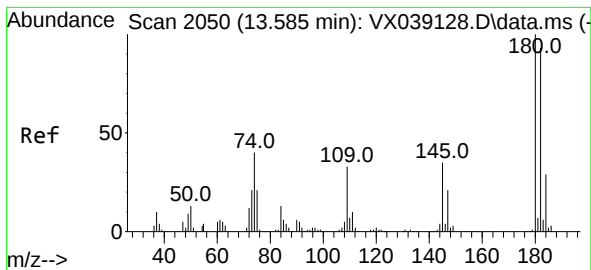
180 100

182 94.3 76.1 114.1

184 30.1 24.1 36.1

145 34.7 27.3 40.9





#70

1,2,4-trichlorobenzene

Concen: 31.493 ug/L

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX039139.D

Acq: 11 Dec 2023 13:28

Instrument :

MSVOA\_X

ClientSampleId :

COAS0MEDL

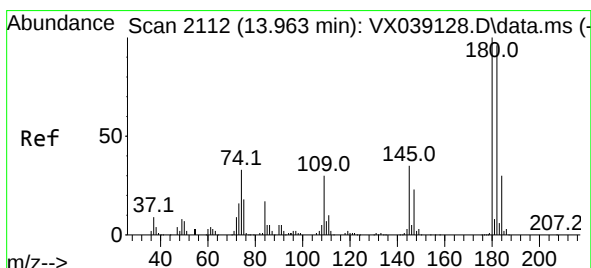
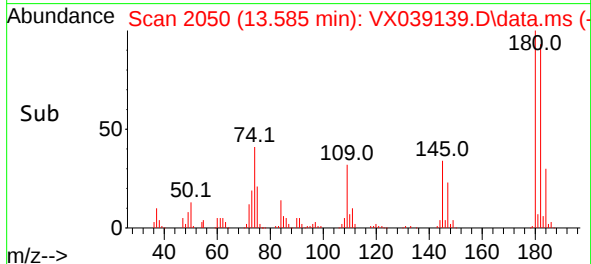
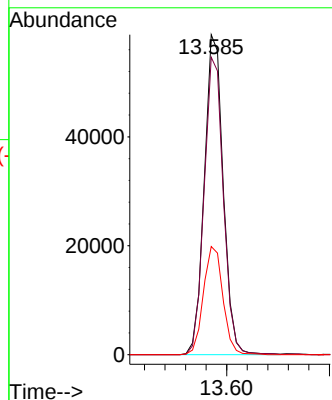
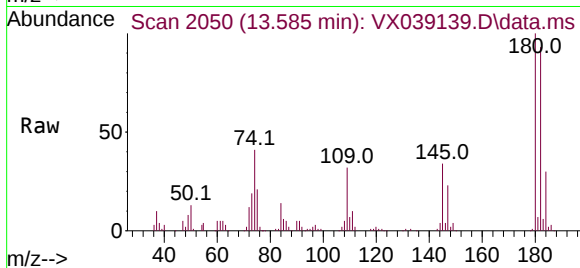
Tgt Ion:180 Resp: 75193

Ion Ratio Lower Upper

180 100

182 94.3 76.8 115.2

145 34.7 27.8 41.6



#72

1,2,3-Trichlorobenzene

Concen: 14.051 ug/L

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX039139.D

Acq: 11 Dec 2023 13:28

Tgt Ion:180 Resp: 32484

Ion Ratio Lower Upper

180 100

182 93.0 75.9 113.9

145 35.7 28.6 42.8

