

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121923\  
 Data File : VX039380.D  
 Acq On : 20 Dec 2023 00:17  
 Operator : JC/MD  
 Sample : 05807-14DL 500X  
 Misc : 5.56g/5mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Dec 20 02:22:45 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

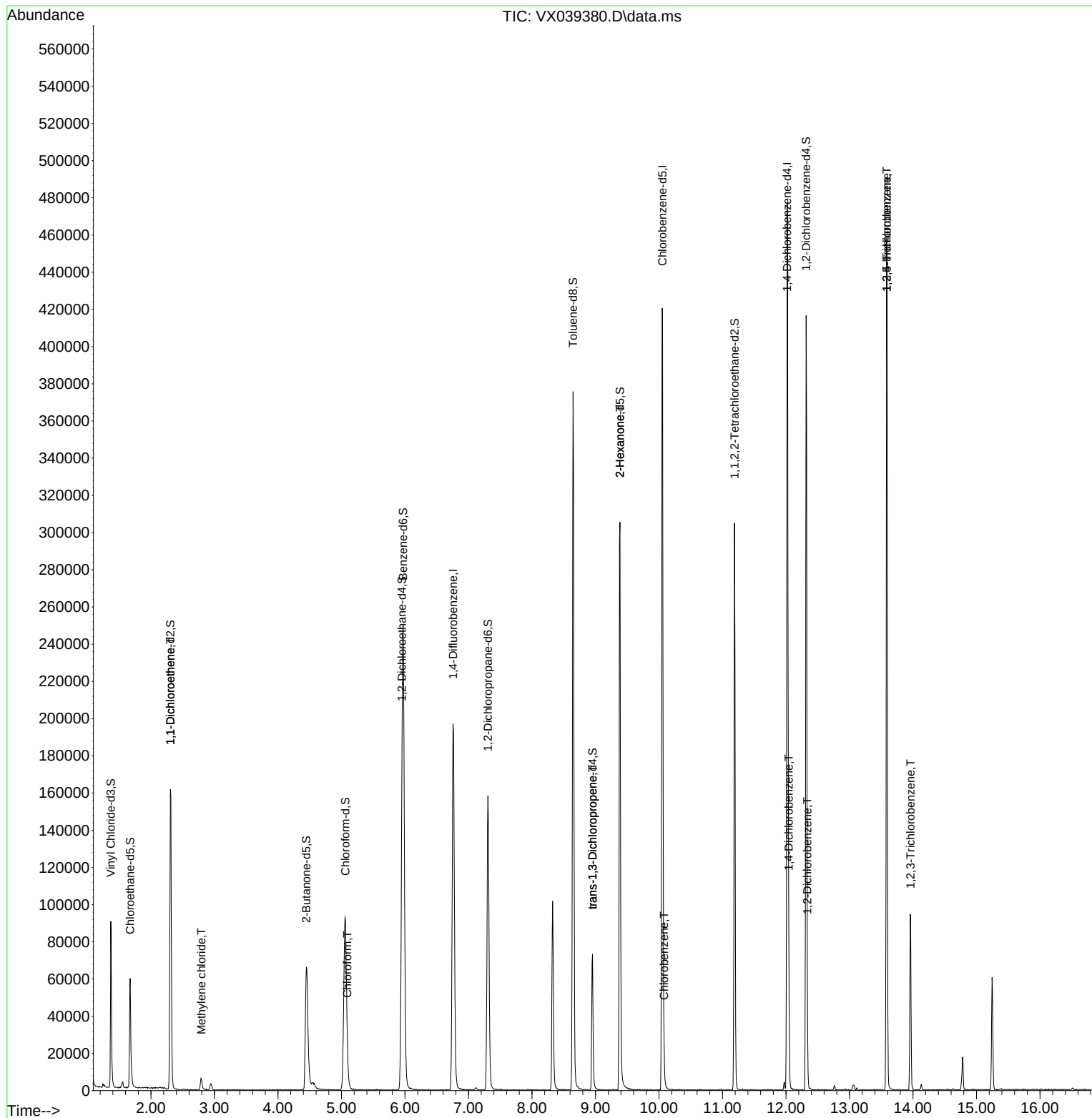
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) 1,4-Difluorobenzene        | 6.757          | 114  | 191398     | 50.000  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.055         | 117  | 183024     | 50.000  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.018         | 152  | 87815      | 50.000  | ug/L   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 4) Vinyl Chloride-d3          | 1.368          | 65   | 60698      | 40.432  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 80.860% |        |          |
| 7) Chloroethane-d5            | 1.673          | 69   | 45745      | 41.226  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 82.460% |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.307          | 65   | 29647      | 44.989  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 89.980% |        |          |
| 21) 2-Butanone-d5             | 4.446          | 46   | 119382     | 87.852  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 87.850% |        |          |
| 24) Chloroform-d              | 5.062          | 84   | 116293     | 43.760  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 87.520% |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.952          | 65   | 84334      | 49.001  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 98.000% |        |          |
| 32) Benzene-d6                | 5.971          | 84   | 244324     | 43.255  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 86.500% |        |          |
| 36) 1,2-Dichloropropane-d6    | 7.306          | 67   | 79264      | 43.604  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 87.200% |        |          |
| 41) Toluene-d8                | 8.647          | 98   | 216202     | 42.237  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 84.480% |        |          |
| 43) trans-1,3-Dichloroprop... | 8.952          | 79   | 33194      | 35.883  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 71.760% |        |          |
| 47) 2-Hexanone-d5             | 9.385          | 63   | 86298      | 79.485  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 79.490% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 11.189         | 84   | 108566     | 42.101  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 84.200% |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.317         | 152  | 74833      | 45.084  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 90.160% |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         |        | Qvalue   |
| 12) 1,1-Dichloroethene        | 2.307          | 96   | 777        | 0.630   | ug/L # | 1        |
| 16) Methylene chloride        | 2.794          | 84   | 2727       | 1.925   | ug/L   | 97       |
| 25) Chloroform                | 5.093          | 83   | 5332       | 2.081   | ug/L   | 94       |
| 44) trans-1,3-Dichloropropene | 8.952          | 75   | 1879       | 0.787   | ug/L   | 97       |
| 48) 2-Hexanone                | 9.385          | 43   | 11311      | 4.999   | ug/L # | 70       |
| 51) Chlorobenzene             | 10.080         | 112  | 4228       | 1.110   | ug/L   | 94       |
| 65) 1,4-Dichlorobenzene       | 12.043         | 146  | 22640      | 8.135   | ug/L   | 96       |
| 67) 1,2-Dichlorobenzene       | 12.335         | 146  | 5378       | 2.047   | ug/L   | 98       |
| 69) 1,3,5-Trichlorobenzene    | 13.585         | 180  | 89088      | 49.049  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.585         | 180  | 89088      | 52.029  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.963         | 180  | 18995      | 11.457  | ug/L   | 98       |
| -----                         |                |      |            |         |        |          |

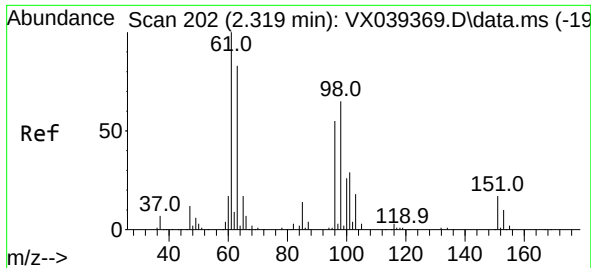
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121923\  
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Operator : JC/MD  
Sample : 05807-14DL 500X  
Misc : 5.56g/5mL/100uL/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 40 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Dec 20 02:22:45 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





#12

1,1-Dichloroethene

Concen: 0.630 ug/L

RT: 2.307 min Scan# 20

Delta R.T. -0.012 min

Lab File: VX039380.D

Acq: 20 Dec 2023 00:17

Instrument :

MSVOA\_X

ClientSampleId :

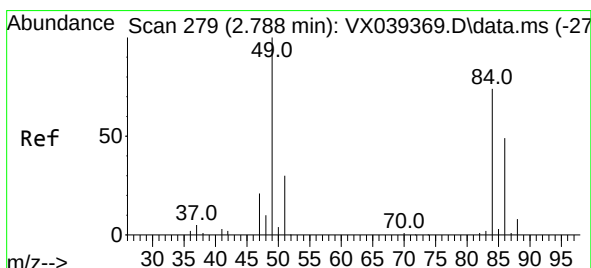
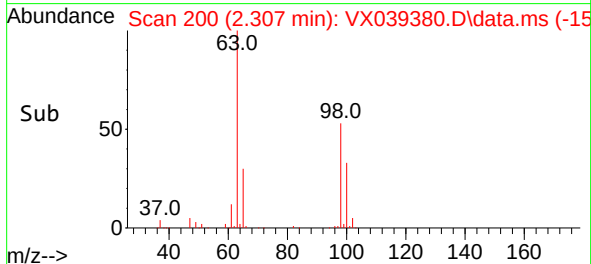
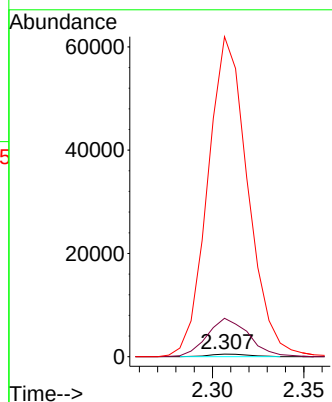
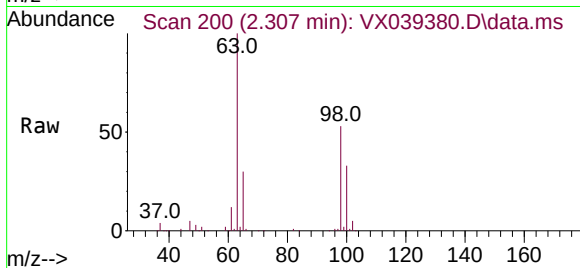
Tgt Ion: 96 Resp: 777

Ion Ratio Lower Upper

96 100

61 1526.2 128.0 237.6#

63 12700.0 101.5 188.5#



#16

Methylene chloride

Concen: 1.925 ug/L

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX039380.D

Acq: 20 Dec 2023 00:17

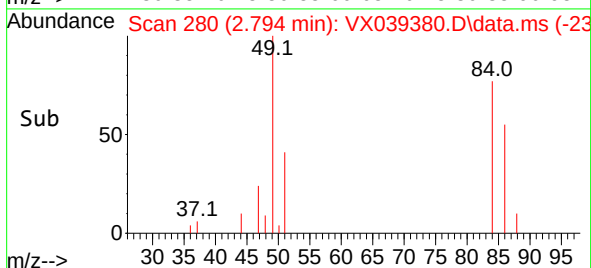
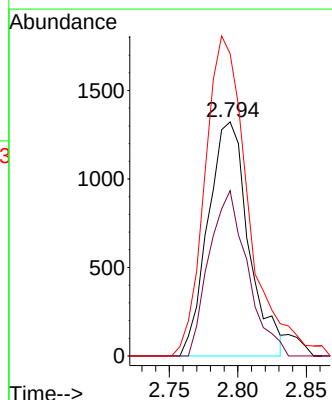
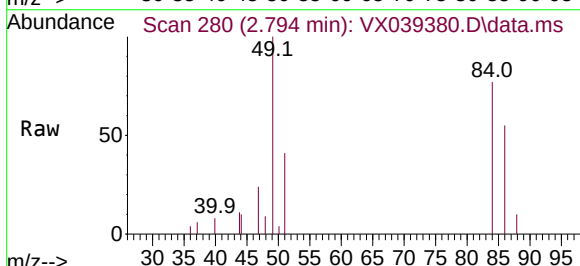
Tgt Ion: 84 Resp: 2727

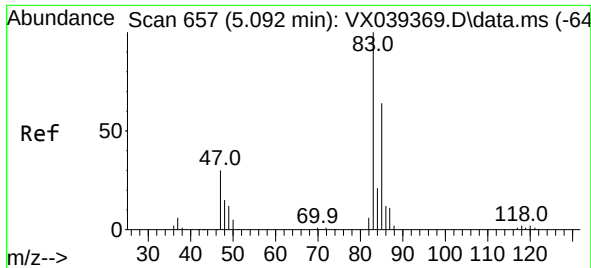
Ion Ratio Lower Upper

84 100

86 70.6 44.7 82.9

49 129.1 90.9 168.7

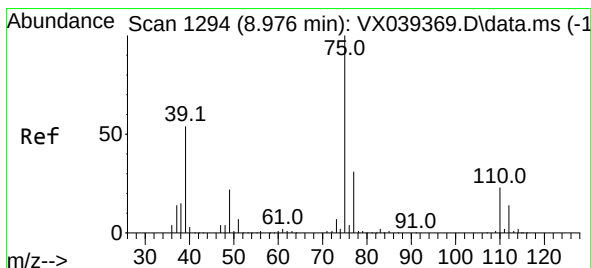
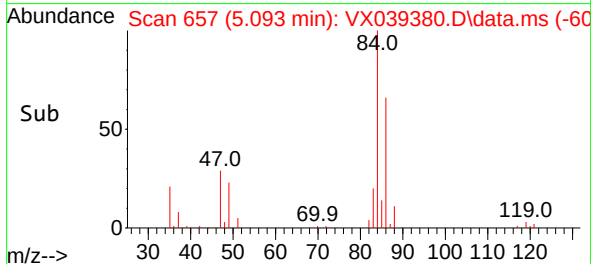
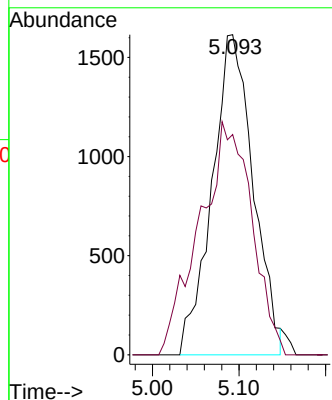
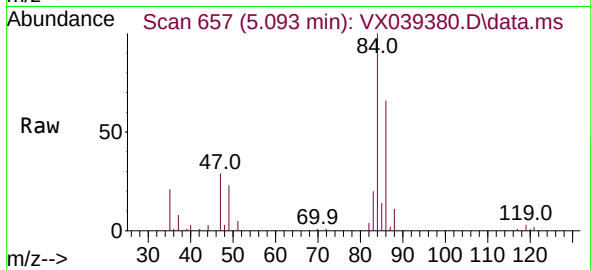




#25  
Chloroform  
Concen: 2.081 ug/L  
RT: 5.093 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VX039380.D  
Acq: 20 Dec 2023 00:17

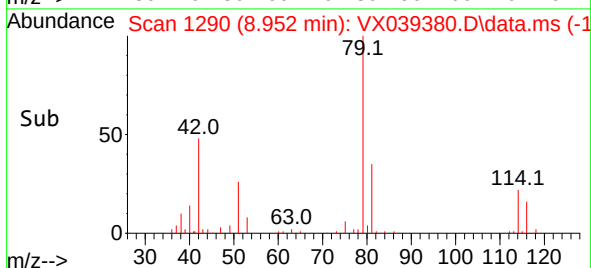
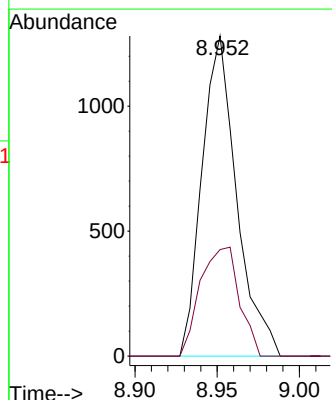
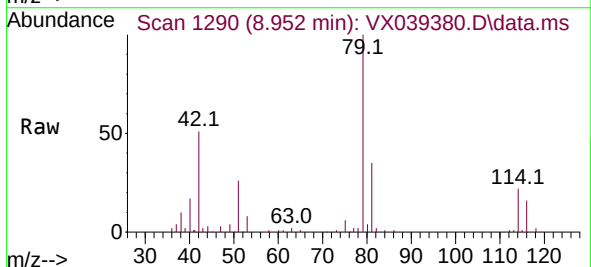
Instrument :  
MSVOA\_X  
ClientSampleId :

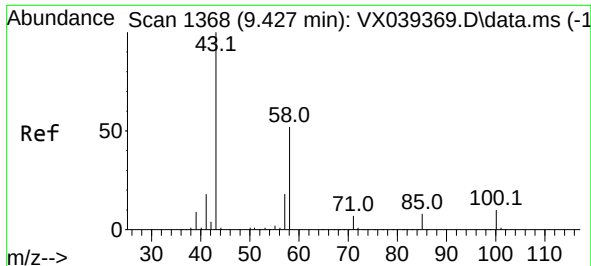
Tgt Ion: 83 Resp: 5332  
Ion Ratio Lower Upper  
83 100  
85 68.8 45.1 83.7



#44  
trans-1,3-Dichloropropene  
Concen: 0.787 ug/L  
RT: 8.952 min Scan# 1290  
Delta R.T. -0.024 min  
Lab File: VX039380.D  
Acq: 20 Dec 2023 00:17

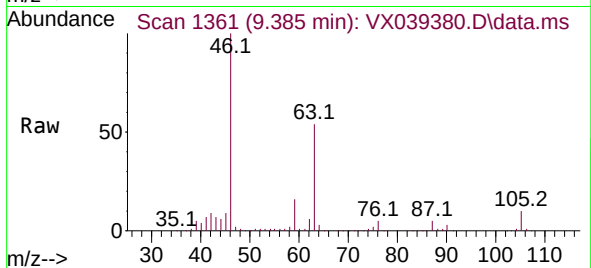
Tgt Ion: 75 Resp: 1879  
Ion Ratio Lower Upper  
75 100  
77 33.3 22.0 40.8



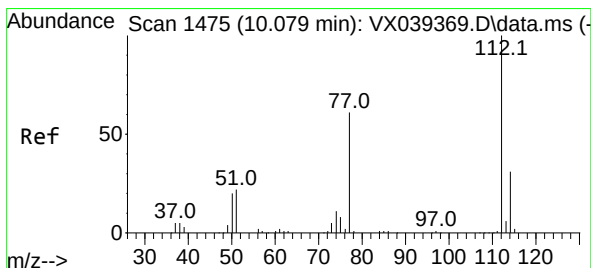
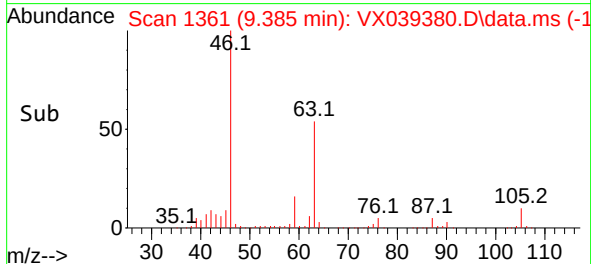
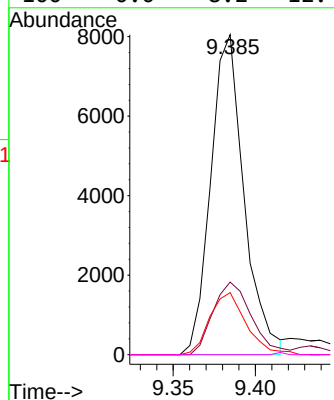


#48  
2-Hexanone  
Concen: 4.999 ug/L  
RT: 9.385 min Scan# 11  
Delta R.T. -0.042 min  
Lab File: VX039380.D  
Acq: 20 Dec 2023 00:17

Instrument :  
MSVOA\_X  
ClientSampleId :

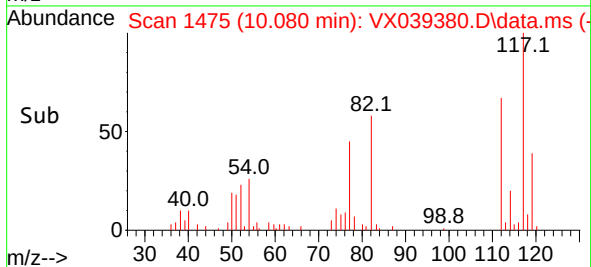
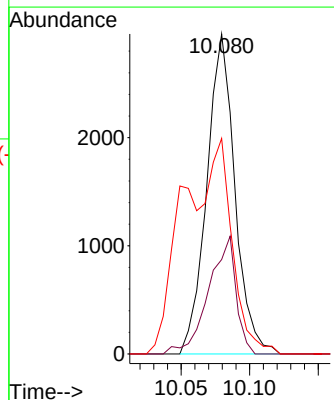
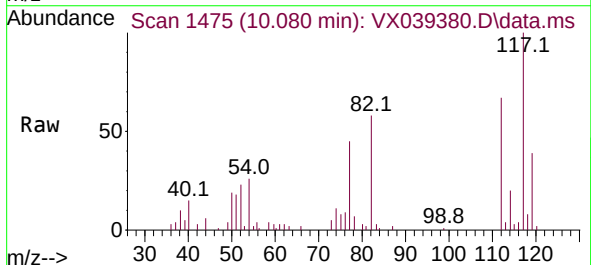


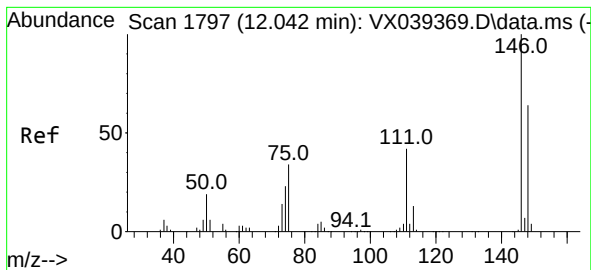
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 11311 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 26.4     | 43.0 64.6#  |
| 57 21.3     | 14.6 21.8   |
| 100 0.0     | 8.2 12.4#   |



#51  
Chlorobenzene  
Concen: 1.110 ug/L  
RT: 10.080 min Scan# 1475  
Delta R.T. 0.000 min  
Lab File: VX039380.D  
Acq: 20 Dec 2023 00:17

|             |             |
|-------------|-------------|
| Tgt Ion:112 | Resp: 4228  |
| Ion Ratio   | Lower Upper |
| 112 100     |             |
| 114 29.5    | 21.8 40.4   |
| 77 67.4     | 49.0 73.6   |





#65

1,4-Dichlorobenzene

Concen: 8.135 ug/L

RT: 12.043 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX039380.D

Acq: 20 Dec 2023 00:17

Instrument :

MSVOA\_X

ClientSampleId :

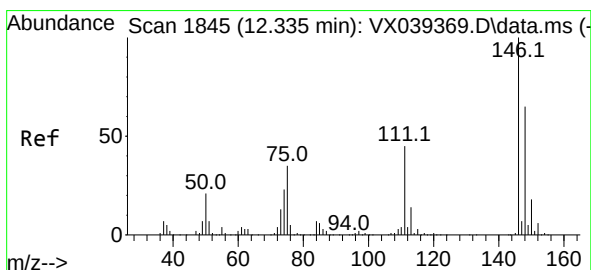
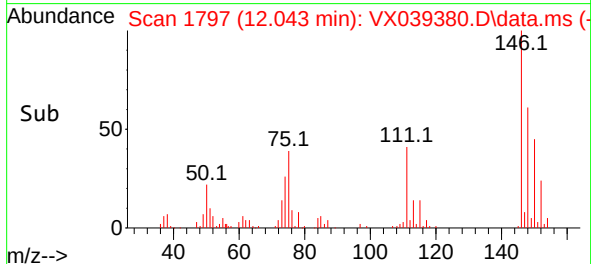
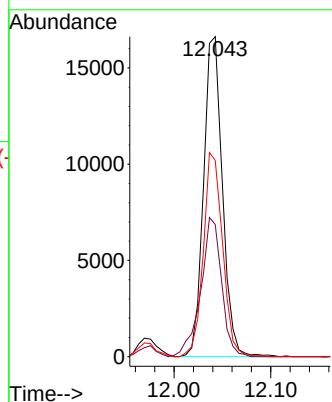
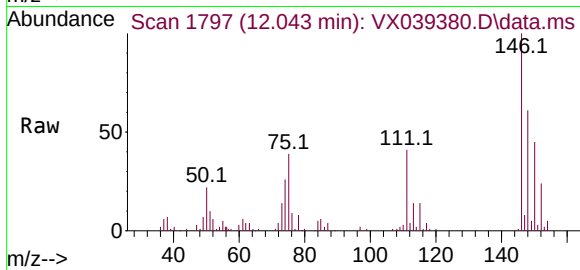
Tgt Ion:146 Resp: 22640

Ion Ratio Lower Upper

146 100

111 41.3 29.7 55.1

148 61.4 45.8 85.2



#67

1,2-Dichlorobenzene

Concen: 2.047 ug/L

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX039380.D

Acq: 20 Dec 2023 00:17

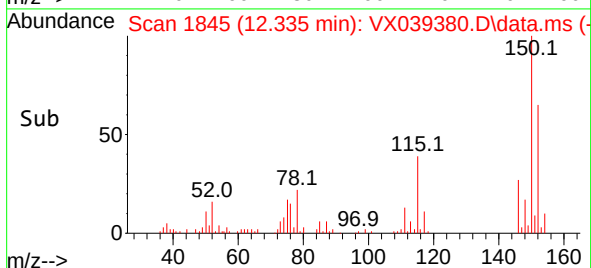
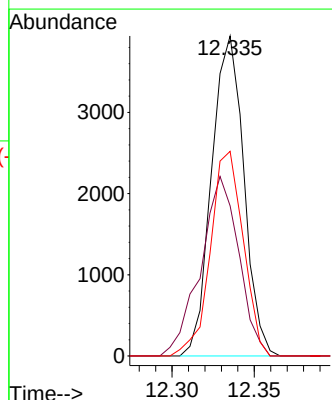
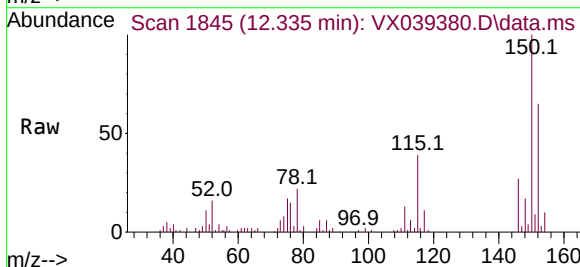
Tgt Ion:146 Resp: 5378

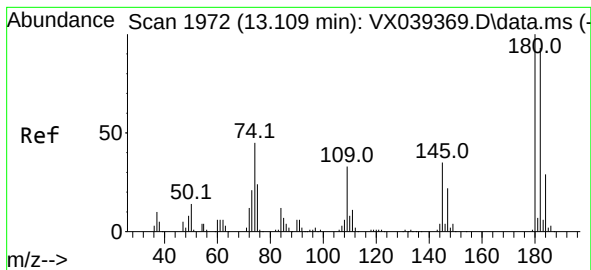
Ion Ratio Lower Upper

146 100

111 46.9 36.4 54.6

148 63.9 50.0 75.0





#69

1,3,5-Trichlorobenzene

Concen: 49.049 ug/L

RT: 13.585 min Scan# 2050

Delta R.T. 0.476 min

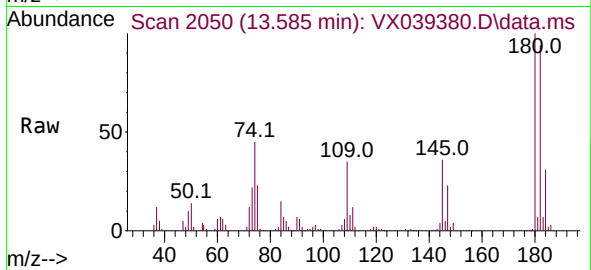
Lab File: VX039380.D

Acq: 20 Dec 2023 00:17

Instrument :

MSVOA\_X

ClientSampleId :



Tgt Ion:180 Resp: 89088

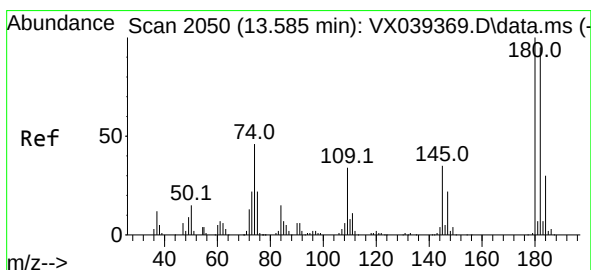
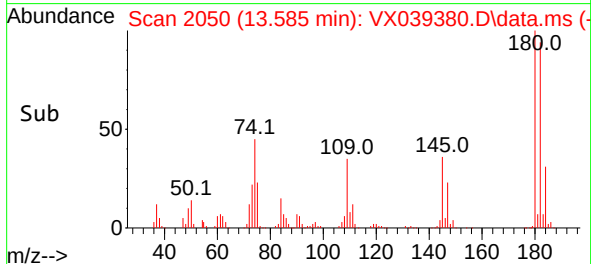
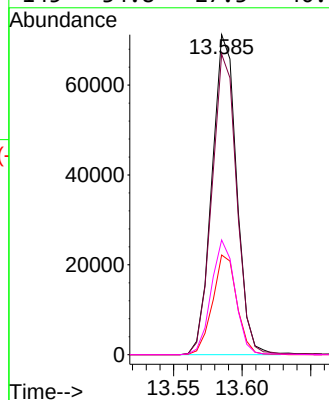
Ion Ratio Lower Upper

180 100

182 94.3 76.1 114.1

184 30.7 24.1 36.1

145 34.8 27.3 40.9



#70

1,2,4-trichlorobenzene

Concen: 52.029 ug/L

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX039380.D

Acq: 20 Dec 2023 00:17

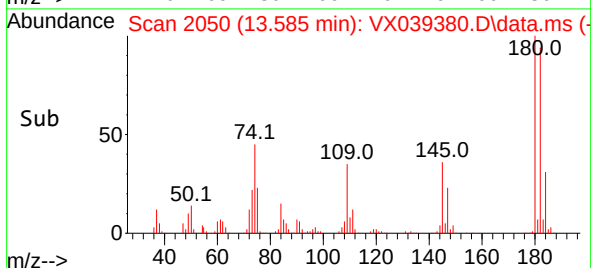
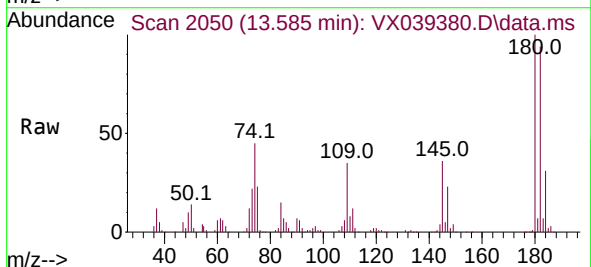
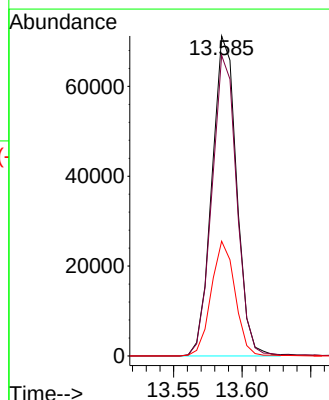
Tgt Ion:180 Resp: 89088

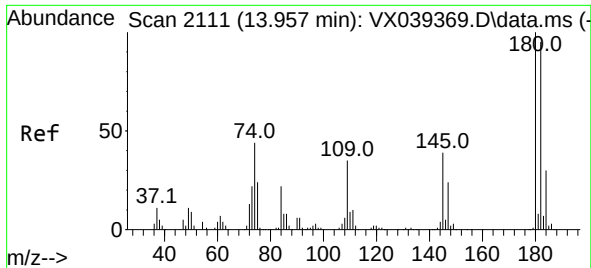
Ion Ratio Lower Upper

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182 94.3 76.8 115.2

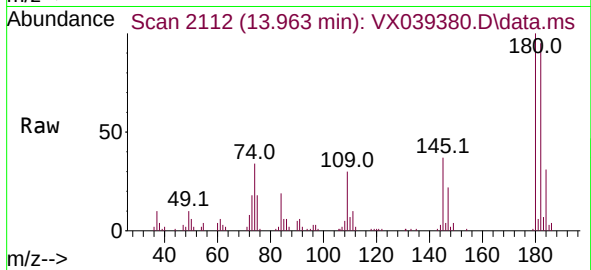
145 34.8 27.8 41.6





#72  
 1,2,3-Trichlorobenzene  
 Concen: 11.457 ug/L  
 RT: 13.963 min Scan# 2111  
 Delta R.T. 0.006 min  
 Lab File: VX039380.D  
 Acq: 20 Dec 2023 00:17

Instrument :  
 MSVOA\_X  
 ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 18995 |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 95.4  | 75.9  | 113.9 |
| 145      | 39.4  | 28.6  | 42.8  |

