

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110524\  
 Data File : VX043710.D  
 Acq On : 05 Nov 2024 12:46  
 Operator : JC/MD  
 Sample : P4670-03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Nov 06 02:02:40 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML110424WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Nov 06 01:38:34 2024  
 Response via : Initial Calibration

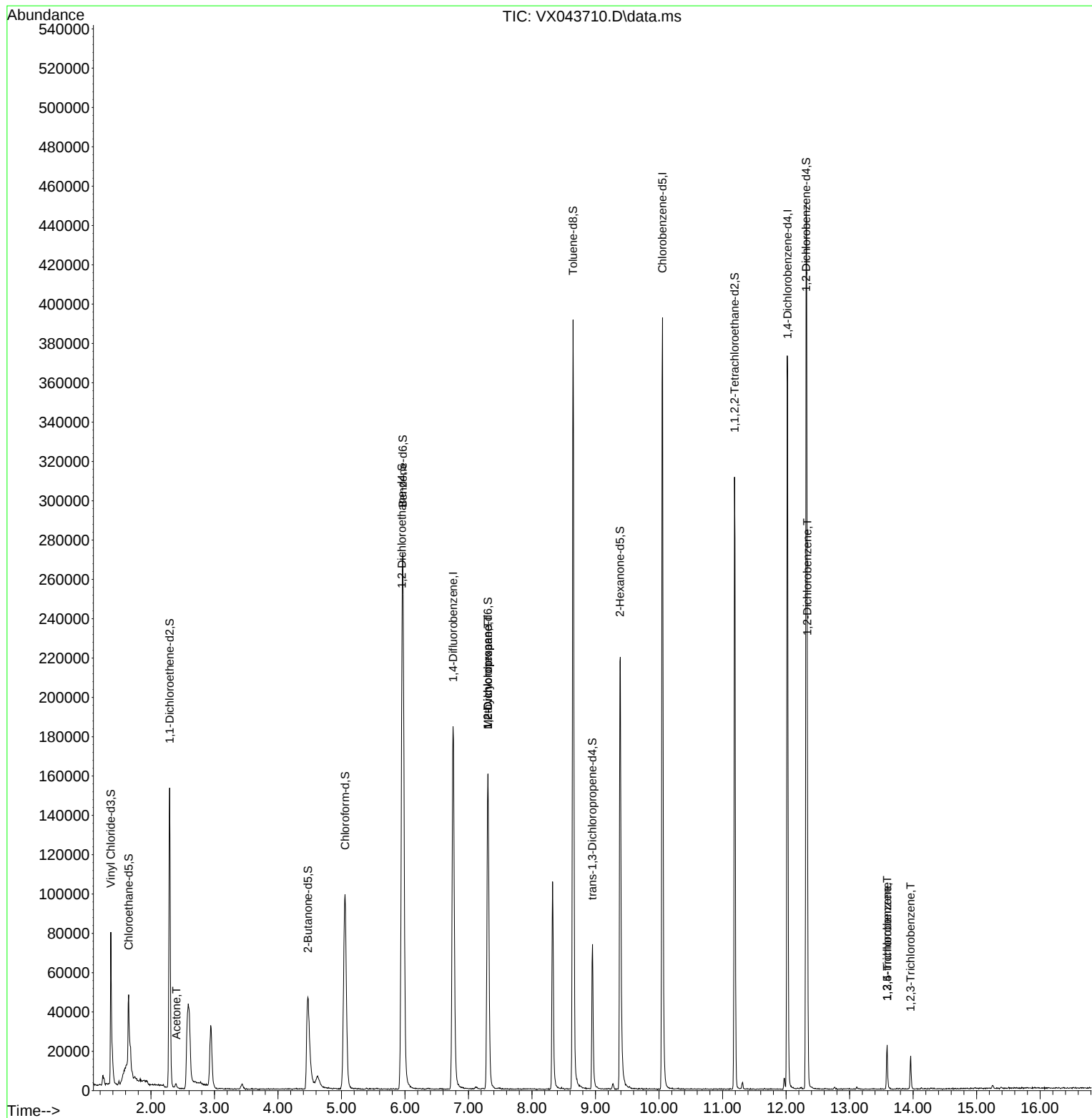
| Compound                      | R.T. QIon |       | Response | Conc     | Units       | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|-------------|----------|
| -----                         |           |       |          |          |             |          |
| Internal Standards            |           |       |          |          |             |          |
| 1) 1,4-Difluorobenzene        | 6.757     | 114   | 206969   | 50.000   | ug/L        | 0.00     |
| 28) Chlorobenzene-d5          | 10.055    | 117   | 191707   | 50.000   | ug/L        | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024    | 152   | 82383    | 50.000   | ug/L        | 0.00     |
| System Monitoring Compounds   |           |       |          |          |             |          |
| 4) Vinyl Chloride-d3          | 1.368     | 65    | 66259    | 60.093   | ug/L        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 60 - 135 | Recovery | = 120.180%  |          |
| 7) Chloroethane-d5            | 1.648     | 69    | 29090    | 61.379   | ug/L        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 70 - 130 | Recovery | = 122.760%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.294     | 65    | 26719    | 52.493   | ug/L        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 60 - 125 | Recovery | = 104.980%  |          |
| 21) 2-Butanone-d5             | 4.471     | 46    | 97958    | 135.689  | ug/L        | 0.01     |
| Spiked Amount                 | 100.000   | Range | 40 - 130 | Recovery | = 135.690%# |          |
| 24) Chloroform-d              | 5.056     | 84    | 129863   | 54.635   | ug/L        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 70 - 125 | Recovery | = 109.260%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.952     | 65    | 89444    | 59.235   | ug/L        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 70 - 125 | Recovery | = 118.460%  |          |
| 32) Benzene-d6                | 5.964     | 84    | 277071   | 55.902   | ug/L        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 70 - 125 | Recovery | = 111.800%  |          |
| 36) 1,2-Dichloropropane-d6    | 7.306     | 67    | 84880    | 56.289   | ug/L        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 70 - 120 | Recovery | = 112.580%  |          |
| 41) Toluene-d8                | 8.647     | 98    | 245439   | 54.512   | ug/L        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 80 - 120 | Recovery | = 109.020%  |          |
| 43) trans-1,3-Dichloroprop... | 8.952     | 79    | 38242    | 53.030   | ug/L        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 60 - 125 | Recovery | = 106.060%  |          |
| 47) 2-Hexanone-d5             | 9.384     | 63    | 73690    | 123.483  | ug/L        | 0.00     |
| Spiked Amount                 | 100.000   | Range | 45 - 130 | Recovery | = 123.480%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 11.189    | 84    | 120965   | 62.522   | ug/L        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 65 - 120 | Recovery | = 125.040%# |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.317    | 152   | 89392    | 62.627   | ug/L        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 80 - 120 | Recovery | = 125.260%# |          |
| -----                         |           |       |          |          |             |          |
| Target Compounds              |           |       |          |          |             | Qvalue   |
| 13) Acetone                   | 2.398     | 43    | 1978     | 2.946    | ug/L        | 88       |
| 35) Methylcyclohexane         | 7.306     | 83    | 21500    | 9.796    | ug/L #      | 20       |
| 37) 1,2-Dichloropropane       | 7.306     | 63    | 9405     | 6.461    | ug/L #      | 85       |
| 67) 1,2-Dichlorobenzene       | 12.335    | 146   | 48520    | 18.896   | ug/L        | 96       |
| 69) 1,3,5-Trichlorobenzene    | 13.591    | 180   | 5639     | 3.365    | ug/L        | 93       |
| 70) 1,2,4-trichlorobenzene    | 13.591    | 180   | 5639     | 3.670    | ug/L        | 93       |
| 72) 1,2,3-Trichlorobenzene    | 13.963    | 180   | 4064     | 2.559    | ug/L        | 95       |
| -----                         |           |       |          |          |             |          |

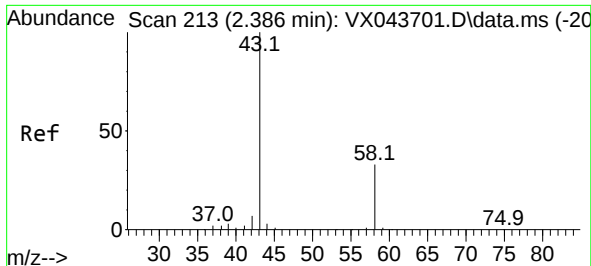
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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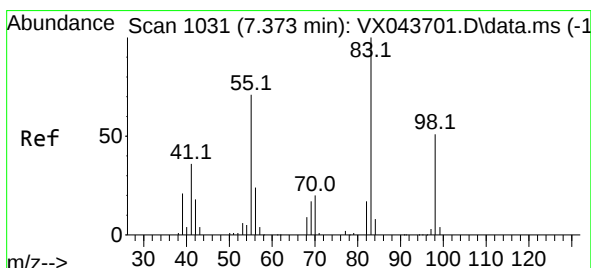
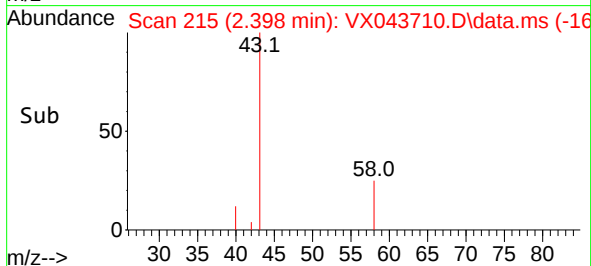
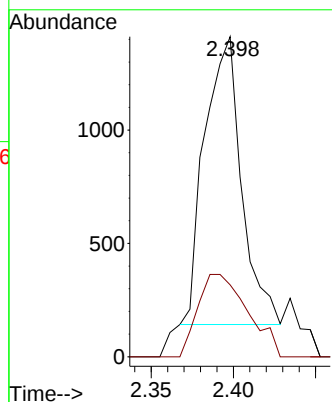
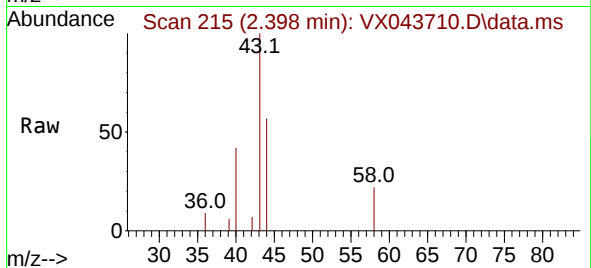




#13  
Acetone  
Concen: 2.946 ug/L  
RT: 2.398 min Scan# 213  
Delta R.T. 0.012 min  
Lab File: VX043710.D  
Acq: 05 Nov 2024 12:46

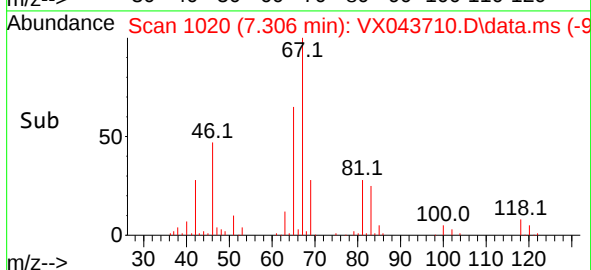
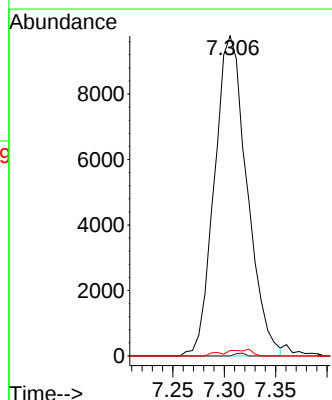
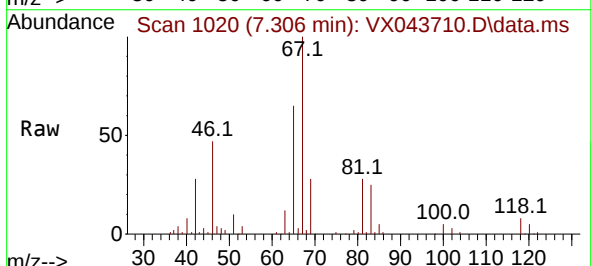
Instrument :  
MSVOA\_X  
ClientSampleId :

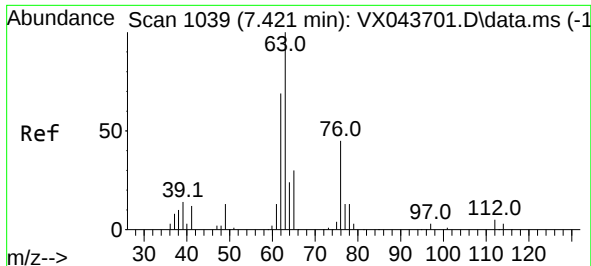
Tgt Ion: 43 Resp: 1978  
Ion Ratio Lower Upper  
43 100  
58 38.6 0.0 63.6



#35  
Methylcyclohexane  
Concen: 9.796 ug/L  
RT: 7.306 min Scan# 1020  
Delta R.T. -0.067 min  
Lab File: VX043710.D  
Acq: 05 Nov 2024 12:46

Tgt Ion: 83 Resp: 21500  
Ion Ratio Lower Upper  
83 100  
55 0.0 58.6 88.0#  
98 0.8 39.0 58.4#





#37

1,2-Dichloropropane

Concen: 6.461 ug/L

RT: 7.306 min Scan# 1039

Delta R.T. -0.116 min

Lab File: VX043710.D

Acq: 05 Nov 2024 12:46

Instrument :

MSVOA\_X

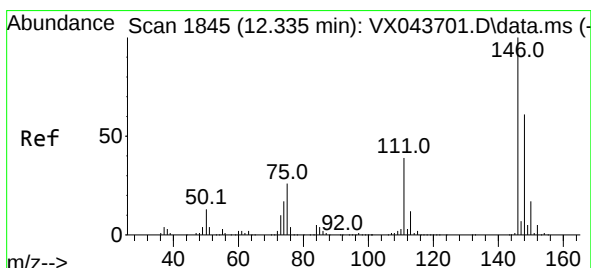
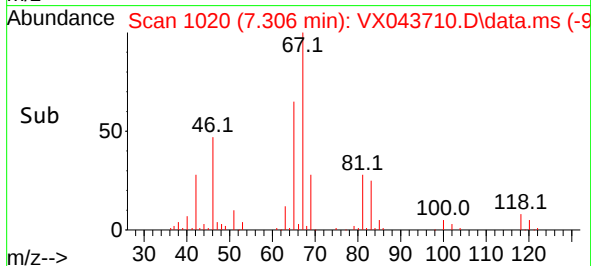
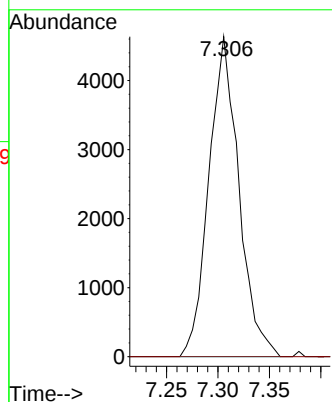
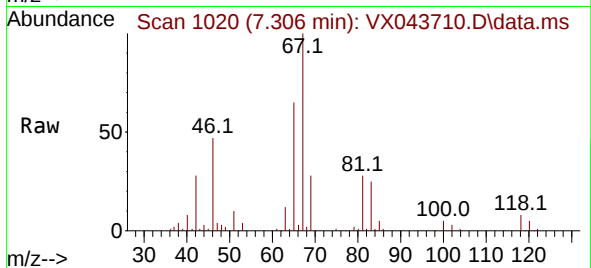
ClientSampleId :

Tgt Ion: 63 Resp: 9405

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#



#67

1,2-Dichlorobenzene

Concen: 18.896 ug/L

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX043710.D

Acq: 05 Nov 2024 12:46

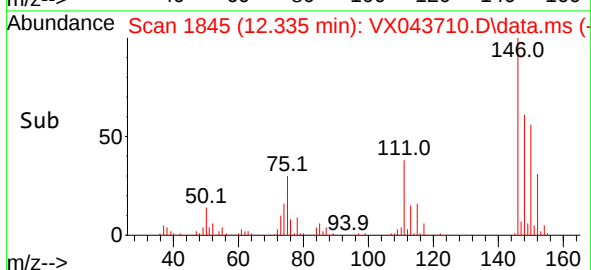
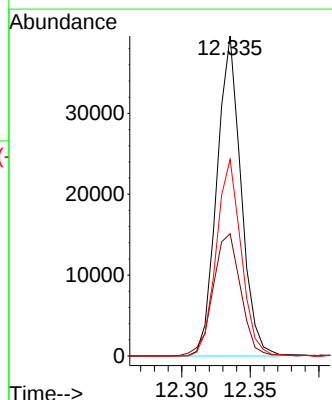
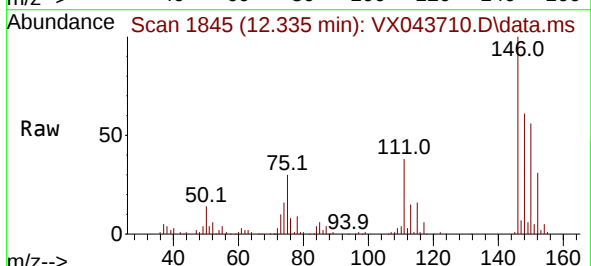
Tgt Ion: 146 Resp: 48520

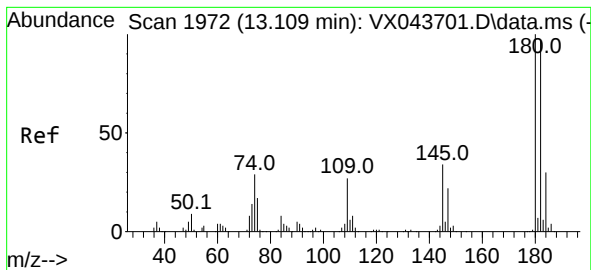
Ion Ratio Lower Upper

146 100

111 38.2 33.9 50.9

148 61.4 50.6 76.0





#69

1,3,5-Trichlorobenzene

Concen: 3.365 ug/L

RT: 13.591 min Scan# 2051

Delta R.T. 0.482 min

Lab File: VX043710.D

Acq: 05 Nov 2024 12:46

Instrument :

MSVOA\_X

ClientSampleId :

Tgt Ion:180 Resp: 5639

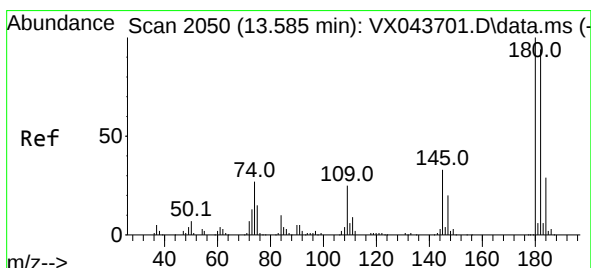
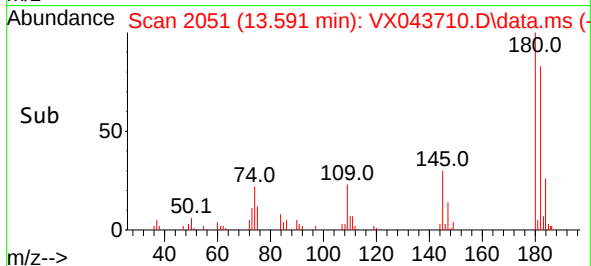
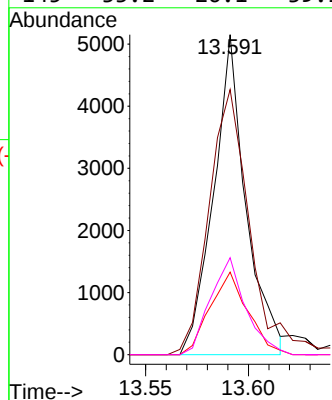
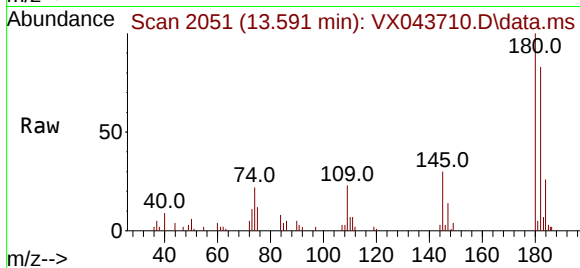
Ion Ratio Lower Upper

180 100

182 104.3 74.7 112.1

184 30.2 23.7 35.5

145 33.2 26.1 39.1



#70

1,2,4-trichlorobenzene

Concen: 3.670 ug/L

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX043710.D

Acq: 05 Nov 2024 12:46

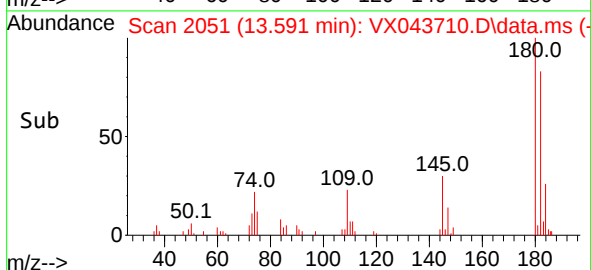
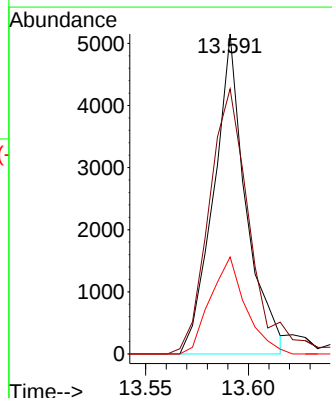
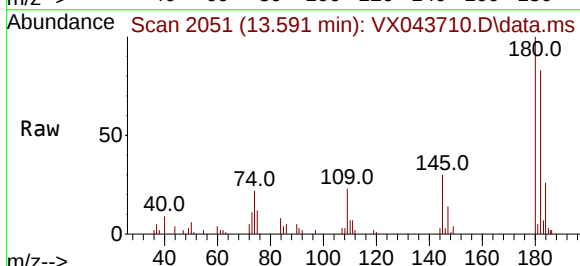
Tgt Ion:180 Resp: 5639

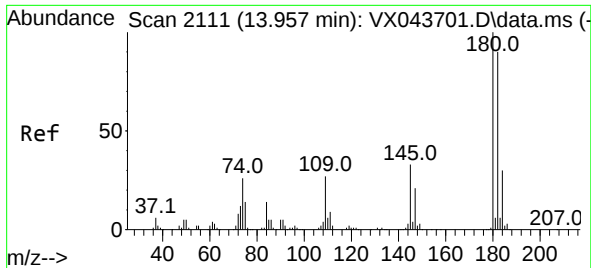
Ion Ratio Lower Upper

180 100

182 104.3 75.9 113.9

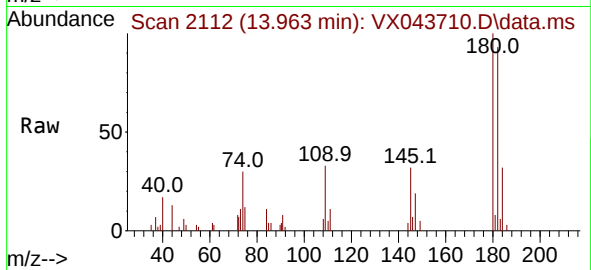
145 33.2 26.9 40.3





#72  
 1,2,3-Trichlorobenzene  
 Concen: 2.559 ug/L  
 RT: 13.963 min Scan# 2112  
 Delta R.T. 0.006 min  
 Lab File: VX043710.D  
 Acq: 05 Nov 2024 12:46

Instrument :  
 MSVOA\_X  
 ClientSampleId :



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 4064  |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 98.5  | 75.8  | 113.8 |
| 145       | 31.7  | 28.4  | 42.6  |

