

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX041823\  
 Data File : VX035151.D  
 Acq On : 19 Apr 2023 02:29  
 Operator : JC/MD  
 Sample : 02397-15  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 COMM7

Quant Time: Apr 19 02:52:12 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML041823WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Apr 19 01:27:01 2023  
 Response via : Initial Calibration

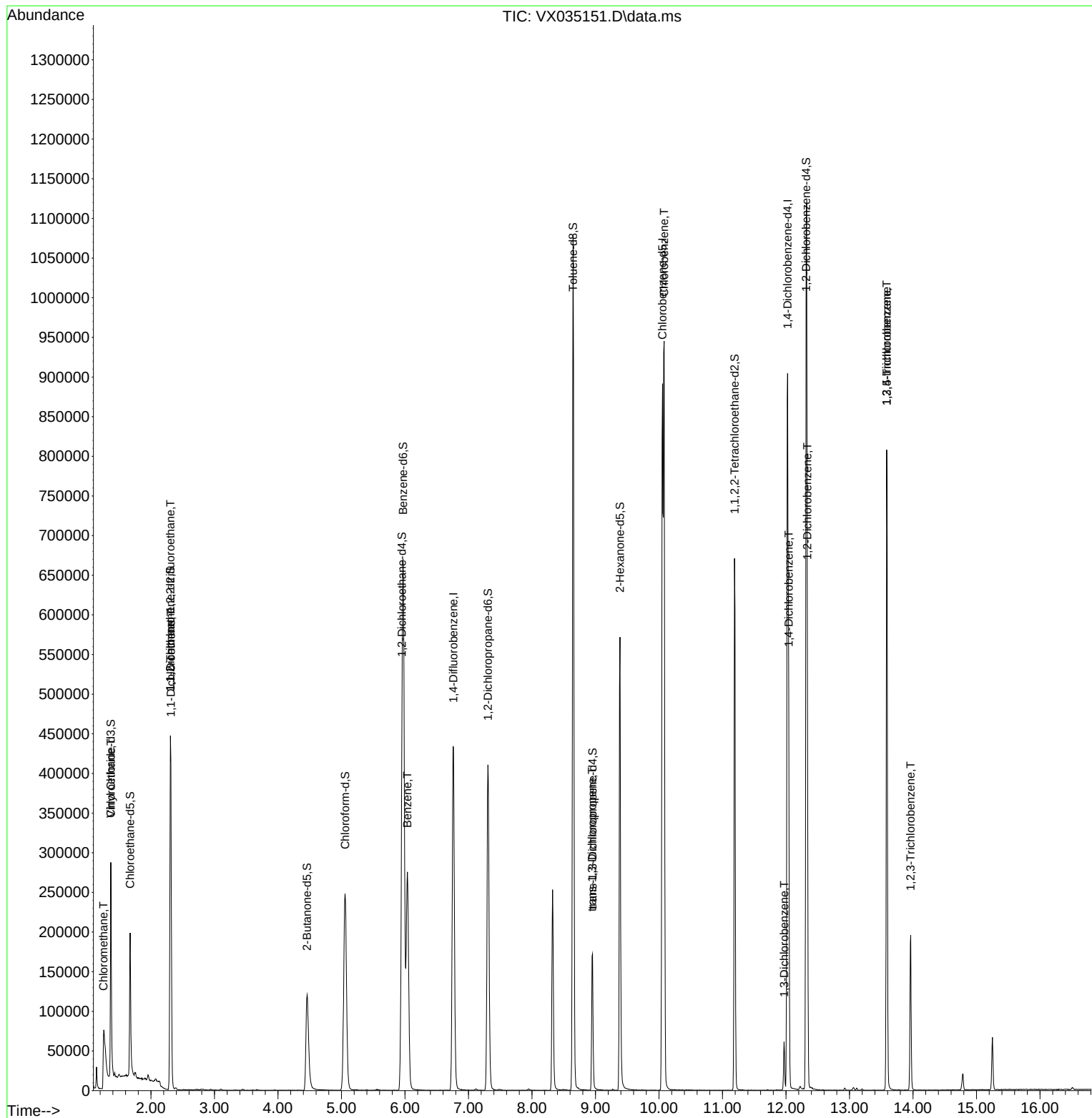
| Compound                      | R.T.           | QIon | Response             | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|----------------------|---------|--------|----------|
| -----                         |                |      |                      |         |        |          |
| Internal Standards            |                |      |                      |         |        |          |
| 1) 1,4-Difluorobenzene        | 6.763          | 114  | 457182               | 50.000  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.055         | 117  | 394616               | 50.000  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 183091               | 50.000  | ug/L   | 0.00     |
|                               |                |      |                      |         |        |          |
| System Monitoring Compounds   |                |      |                      |         |        |          |
| 4) Vinyl Chloride-d3          | 1.368          | 65   | 167663               | 56.875  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = 113.760%  |         |        |          |
| 7) Chloroethane-d5            | 1.673          | 69   | 126260               | 59.273  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = 118.540%  |         |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.307          | 65   | 81241                | 57.596  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = 115.200%  |         |        |          |
| 21) 2-Butanone-d5             | 4.459          | 46   | 230118               | 117.139 | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = 117.140%  |         |        |          |
| 24) Chloroform-d              | 5.056          | 84   | 324606               | 58.472  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 116.940%  |         |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.952          | 65   | 215280               | 60.387  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 120.780%  |         |        |          |
| 32) Benzene-d6                | 5.971          | 84   | 697549               | 61.535  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 123.080%  |         |        |          |
| 36) 1,2-Dichloropropane-d6    | 7.306          | 67   | 216659               | 62.570  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = 125.140%# |         |        |          |
| 41) Toluene-d8                | 8.647          | 98   | 625077               | 60.335  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = 120.660%# |         |        |          |
| 43) trans-1,3-Dichloroprop... | 8.952          | 79   | 83919                | 55.456  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = 110.920%  |         |        |          |
| 47) 2-Hexanone-d5             | 9.385          | 63   | 167121               | 120.186 | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = 120.190%  |         |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 11.189         | 84   | 260153               | 61.347  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = 122.700%# |         |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.317         | 152  | 217464               | 61.290  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = 122.580%# |         |        |          |
|                               |                |      |                      |         |        |          |
| Target Compounds              |                |      |                      |         |        | Qvalue   |
| 3) Chloromethane              | 1.252          | 50   | 3213                 | 1.030   | ug/L # | 42       |
| 8) Chloroethane               | 1.368          | 64   | 5198                 | 2.880   | ug/L   | 87       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.307          | 101  | 2483                 | 0.829   | ug/L # | 19       |
| 12) 1,1-Dichloroethene        | 2.313          | 96   | 1908                 | 0.699   | ug/L # | 1        |
| 33) Benzene                   | 6.038          | 78   | 339683               | 28.424  | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 8.946          | 75   | 3802                 | 0.897   | ug/L   | 93       |
| 51) Chlorobenzene             | 10.080         | 112  | 420744               | 51.508  | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 11.969         | 146  | 18809                | 3.313   | ug/L   | 95       |
| 65) 1,4-Dichlorobenzene       | 12.043         | 146  | 160871               | 27.688  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 12.335         | 146  | 137883               | 23.949  | ug/L   | 98       |
| 69) 1,3,5-Trichlorobenzene    | 13.585         | 180  | 190124               | 54.163  | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.585         | 180  | 190124               | 57.844  | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 13.963         | 180  | 48496                | 14.946  | ug/L   | 99       |
| -----                         |                |      |                      |         |        |          |

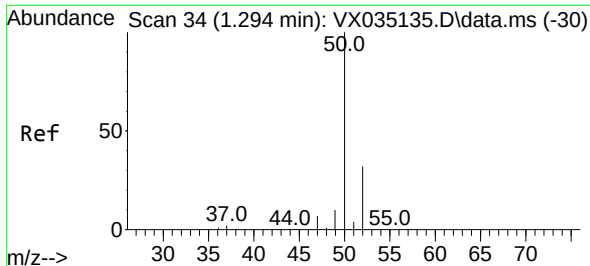
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX041823\  
Data File : VX035151.D  
Acq On : 19 Apr 2023 02:29  
Operator : JC/MD  
Sample : 02397-15  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 50 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
COMM7

Quant Time: Apr 19 02:52:12 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML041823WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Apr 19 01:27:01 2023  
Response via : Initial Calibration

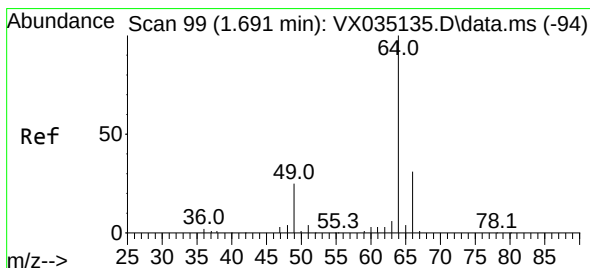
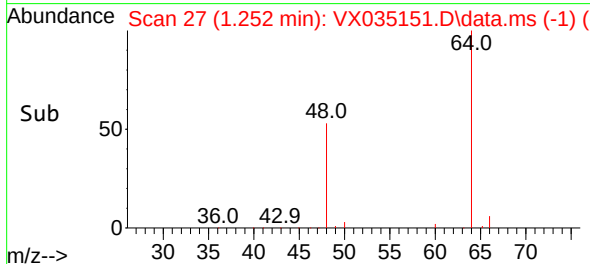
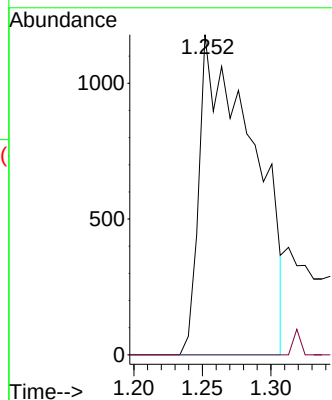
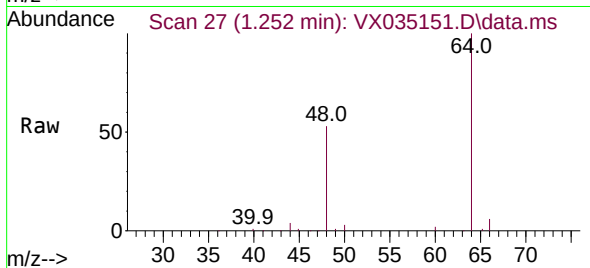




#3  
Chloromethane  
Concen: 1.030 ug/L  
RT: 1.252 min Scan# 21  
Delta R.T. -0.042 min  
Lab File: VX035151.D  
Acq: 19 Apr 2023 02:29

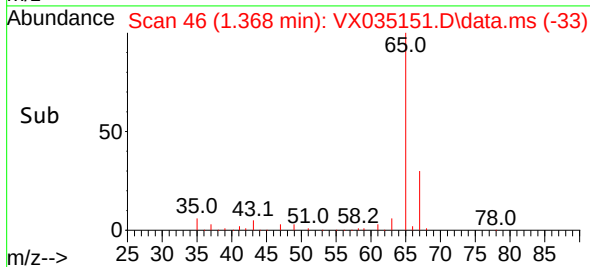
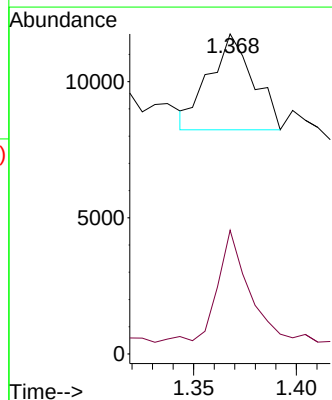
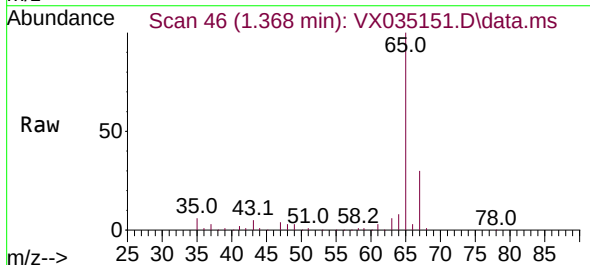
Instrument :  
MSVOA\_X  
ClientSampleId :  
COMM7

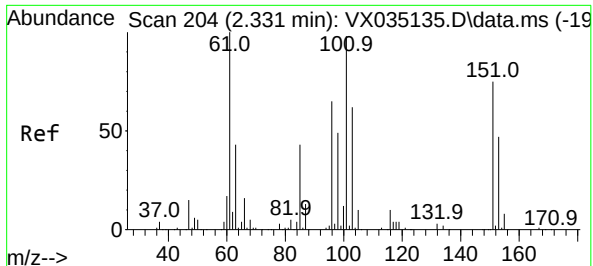
Tgt Ion: 50 Resp: 3213  
Ion Ratio Lower Upper  
50 100  
52 0.0 23.0 42.6#



#8  
Chloroethane  
Concen: 2.880 ug/L  
RT: 1.368 min Scan# 46  
Delta R.T. -0.323 min  
Lab File: VX035151.D  
Acq: 19 Apr 2023 02:29

Tgt Ion: 64 Resp: 5198  
Ion Ratio Lower Upper  
64 100  
66 38.6 21.9 40.7

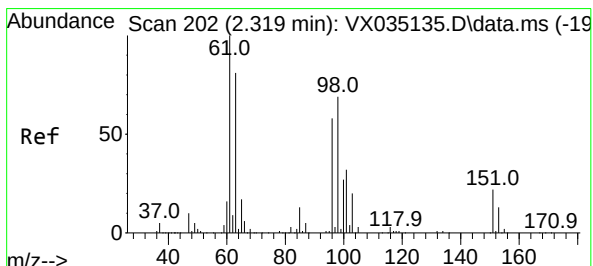
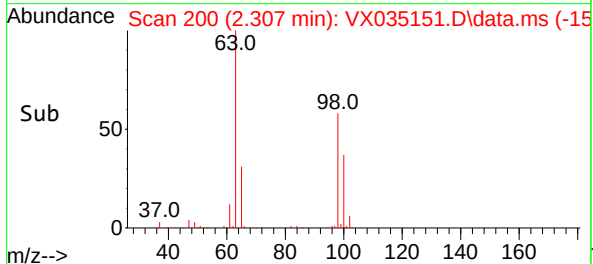
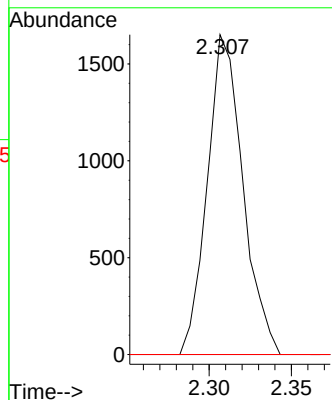
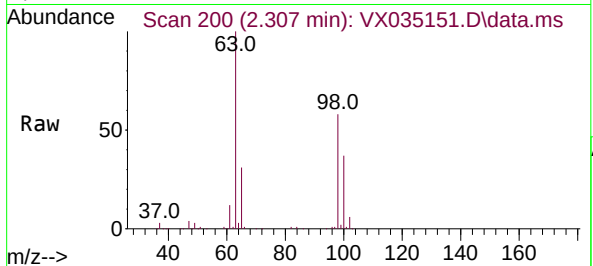




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.829 ug/L  
 RT: 2.307 min Scan# 20  
 Delta R.T. -0.024 min  
 Lab File: VX035151.D  
 Acq: 19 Apr 2023 02:29

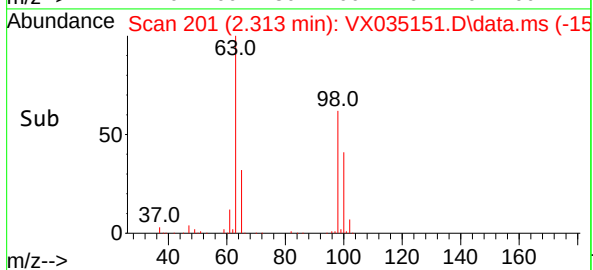
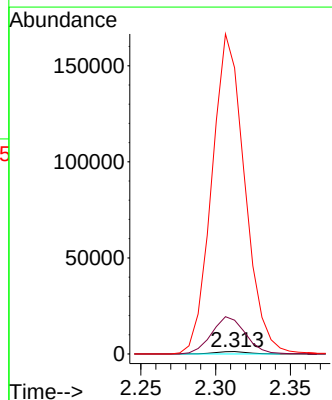
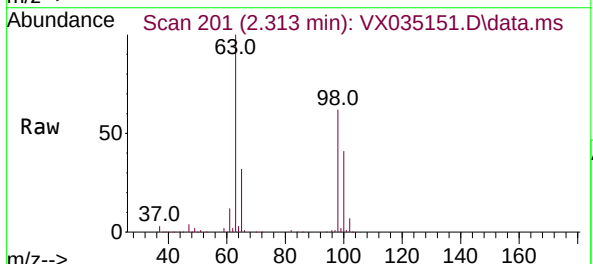
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 COMM7

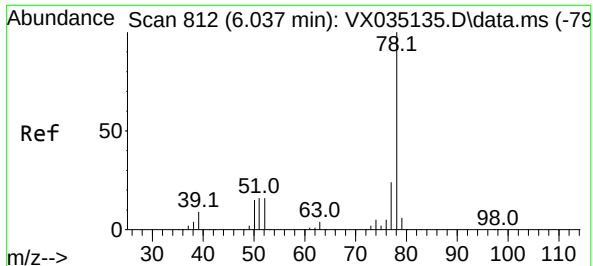
Tgt Ion:101 Resp: 2483  
 Ion Ratio Lower Upper  
 101 100  
 85 0.0 34.2 51.2#  
 151 0.0 61.1 91.7#



#12  
 1,1-Dichloroethene  
 Concen: 0.699 ug/L  
 RT: 2.313 min Scan# 201  
 Delta R.T. -0.006 min  
 Lab File: VX035151.D  
 Acq: 19 Apr 2023 02:29

Tgt Ion: 96 Resp: 1908  
 Ion Ratio Lower Upper  
 96 100  
 61 1426.0 119.0 221.0#  
 63 12083.1 91.0 169.0#

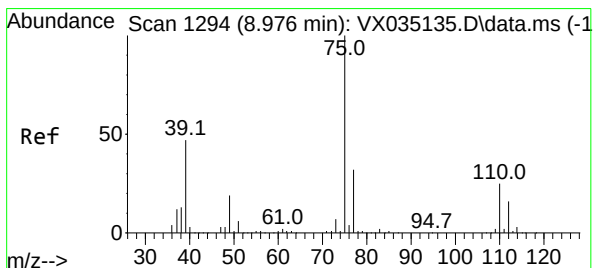
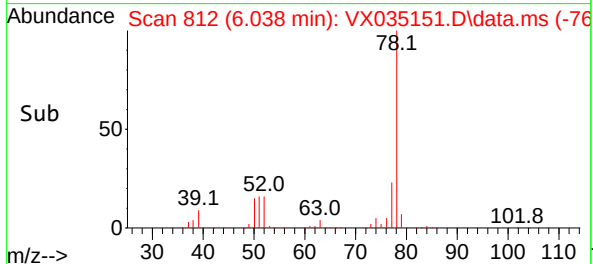
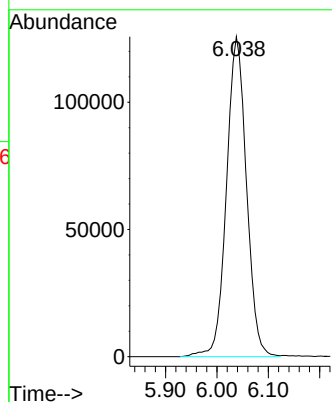
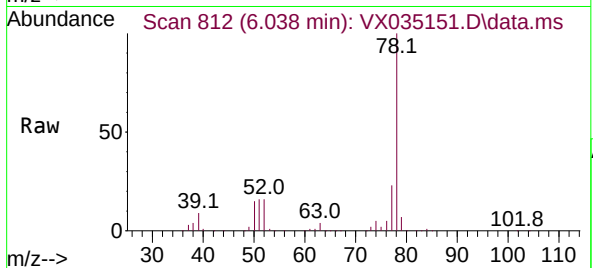




#33  
Benzene  
Concen: 28.424 ug/L  
RT: 6.038 min Scan# 812  
Delta R.T. 0.000 min  
Lab File: VX035151.D  
Acq: 19 Apr 2023 02:29

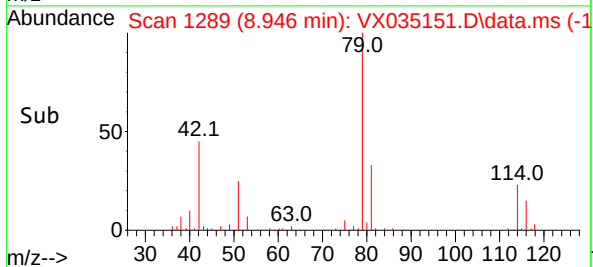
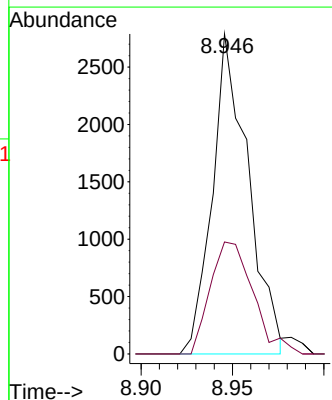
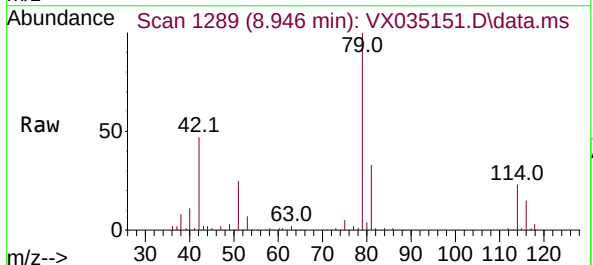
Instrument :  
MSVOA\_X  
ClientSampleId :  
COMM7

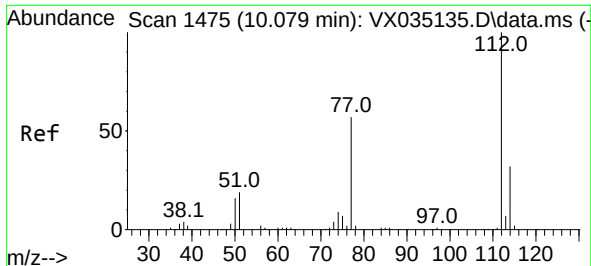
Tgt Ion: 78 Resp: 339683



#44  
trans-1,3-Dichloropropene  
Concen: 0.897 ug/L  
RT: 8.946 min Scan# 1289  
Delta R.T. -0.030 min  
Lab File: VX035151.D  
Acq: 19 Apr 2023 02:29

Tgt Ion: 75 Resp: 3802  
Ion Ratio Lower Upper  
75 100  
77 35.0 22.0 40.8

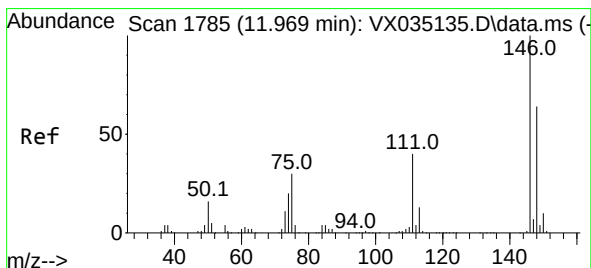
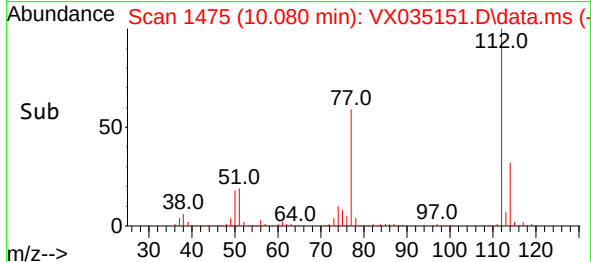
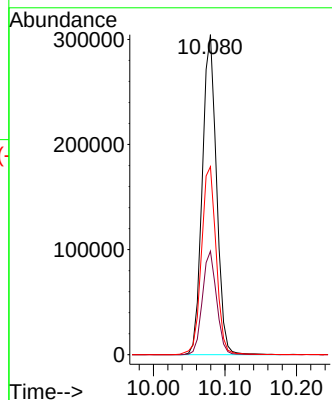
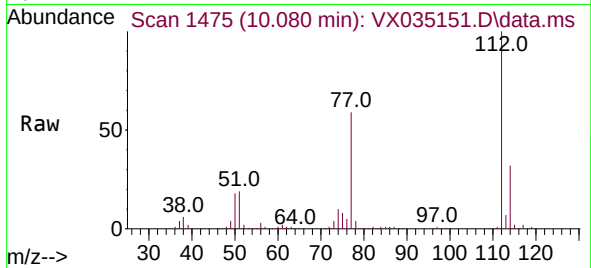




#51  
Chlorobenzene  
Concen: 51.508 ug/L  
RT: 10.080 min Scan# 1475  
Delta R.T. 0.000 min  
Lab File: VX035151.D  
Acq: 19 Apr 2023 02:29

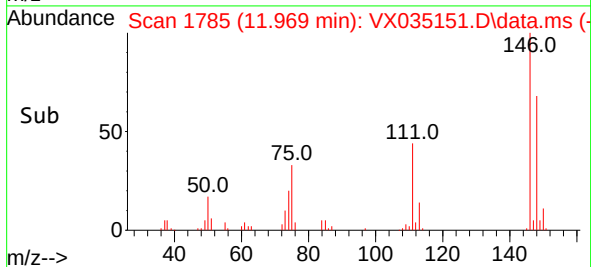
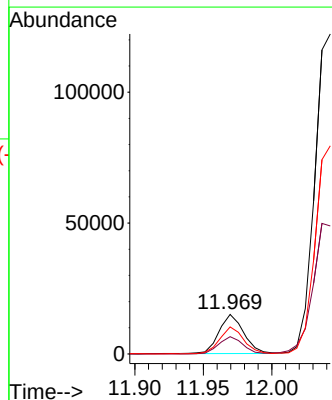
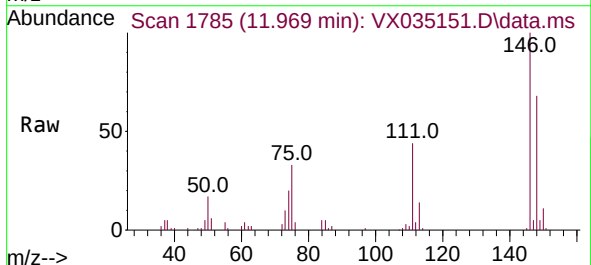
Instrument :  
MSVOA\_X  
ClientSampleId :  
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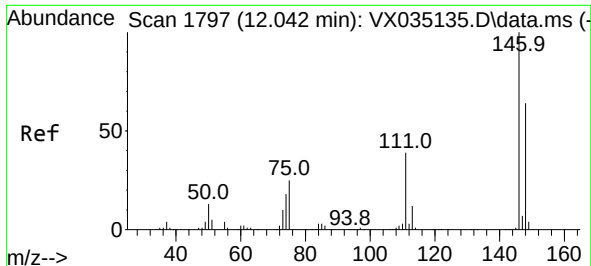
Tgt Ion:112 Resp: 420744  
Ion Ratio Lower Upper  
112 100  
114 32.3 22.4 41.6  
77 58.8 47.0 70.6



#64  
1,3-Dichlorobenzene  
Concen: 3.313 ug/L  
RT: 11.969 min Scan# 1785  
Delta R.T. 0.000 min  
Lab File: VX035151.D  
Acq: 19 Apr 2023 02:29

Tgt Ion:146 Resp: 18809  
Ion Ratio Lower Upper  
146 100  
111 43.8 28.9 53.7  
148 68.3 44.3 82.3





#65

1,4-Dichlorobenzene

Concen: 27.688 ug/L

RT: 12.043 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX035151.D

Acq: 19 Apr 2023 02:29

Instrument :

MSVOA\_X

ClientSampleId :

COMM7

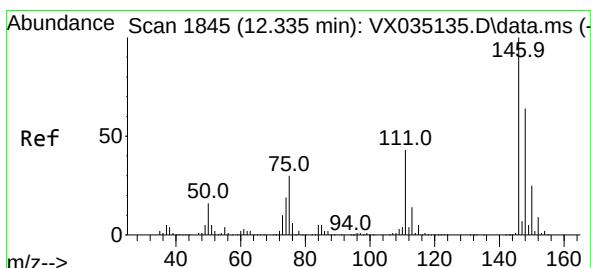
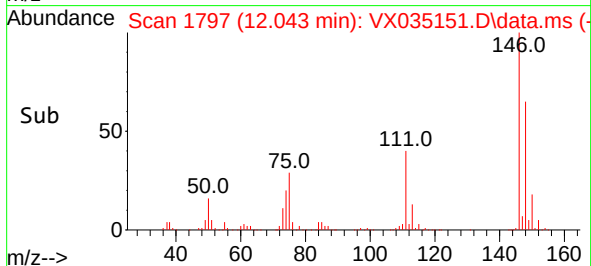
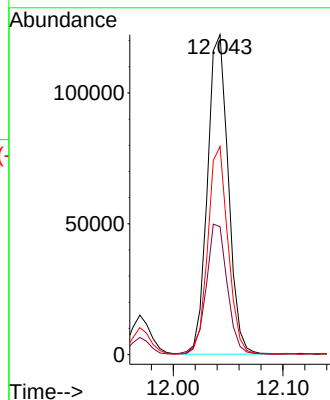
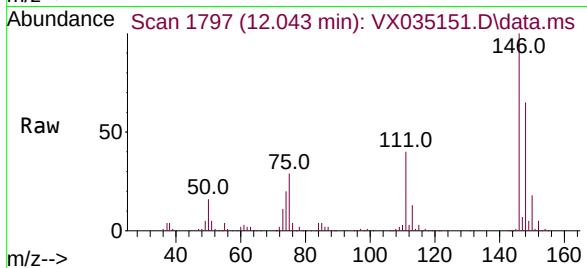
Tgt Ion:146 Resp: 160871

Ion Ratio Lower Upper

146 100

111 40.0 27.9 51.7

148 65.0 45.9 85.3



#67

1,2-Dichlorobenzene

Concen: 23.949 ug/L

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX035151.D

Acq: 19 Apr 2023 02:29

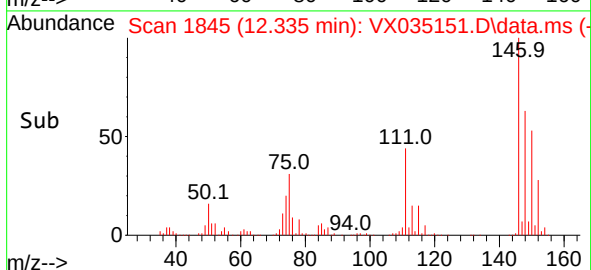
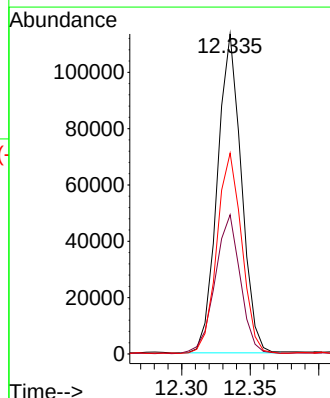
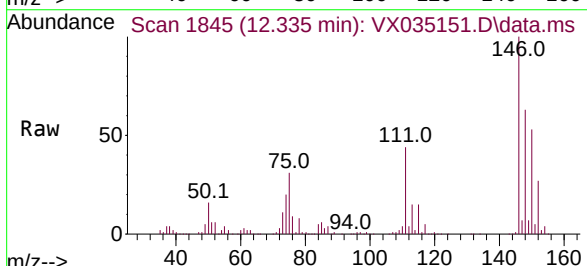
Tgt Ion:146 Resp: 137883

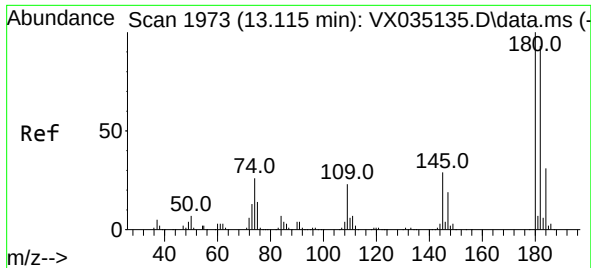
Ion Ratio Lower Upper

146 100

111 43.5 34.7 52.1

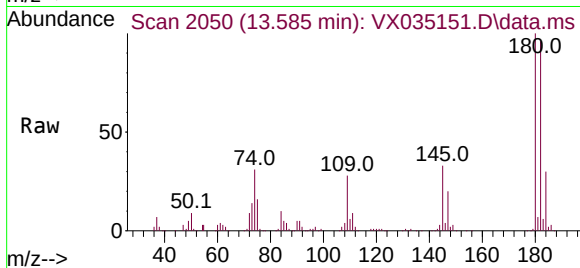
148 62.7 52.1 78.1



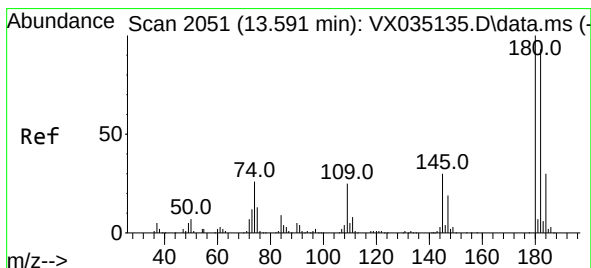
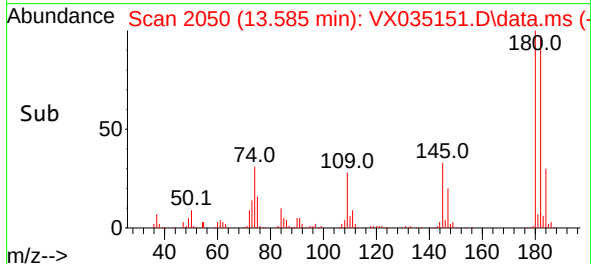
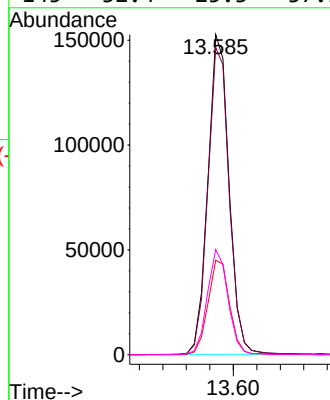


#69  
 1,3,5-Trichlorobenzene  
 Concen: 54.163 ug/L  
 RT: 13.585 min Scan# 2050  
 Delta R.T. 0.470 min  
 Lab File: VX035151.D  
 Acq: 19 Apr 2023 02:29

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 COMM7

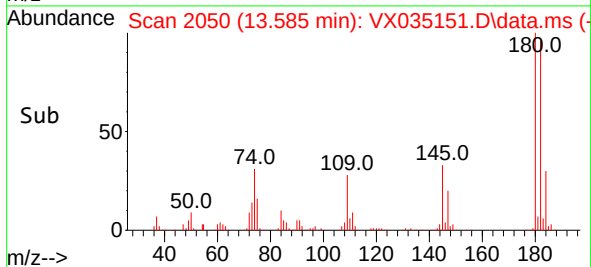
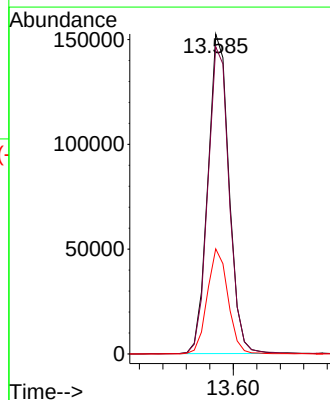
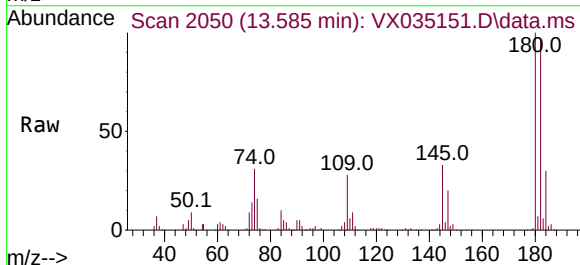


Tgt Ion:180 Resp: 190124  
 Ion Ratio Lower Upper  
 180 100  
 182 97.5 75.4 113.0  
 184 30.2 23.8 35.8  
 145 32.4 25.3 37.9

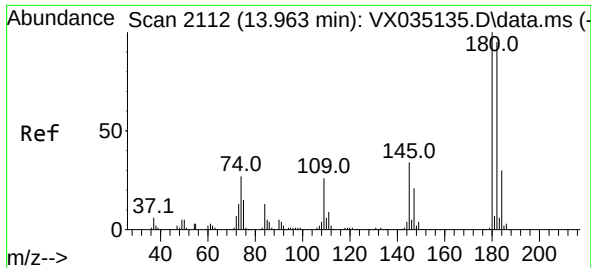


#70  
 1,2,4-trichlorobenzene  
 Concen: 57.844 ug/L  
 RT: 13.585 min Scan# 2050  
 Delta R.T. -0.006 min  
 Lab File: VX035151.D  
 Acq: 19 Apr 2023 02:29

Tgt Ion:180 Resp: 190124  
 Ion Ratio Lower Upper  
 180 100  
 182 97.5 76.6 114.8  
 145 32.4 26.2 39.4

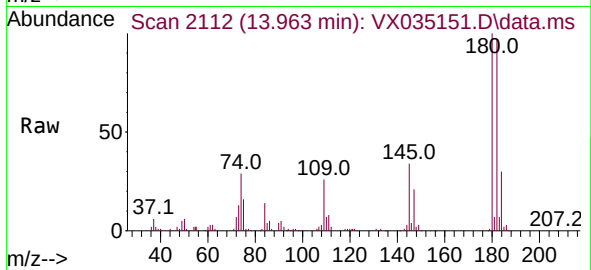






#72  
 1,2,3-Trichlorobenzene  
 Concen: 14.946 ug/L  
 RT: 13.963 min Scan# 2112  
 Delta R.T. 0.000 min  
 Lab File: VX035151.D  
 Acq: 19 Apr 2023 02:29

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 COMM7



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 48496 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 93.0  | 75.0  | 112.6 |
| 145       | 34.4  | 27.1  | 40.7  |

