

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV042624\  
 Data File : VV035452.D  
 Acq On : 27 Apr 2024 02:00  
 Operator : SY/MD  
 Sample : P2279-12 100X  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Apr 27 05:28:43 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM042624WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Apr 27 01:20:16 2024  
 Response via : Initial Calibration

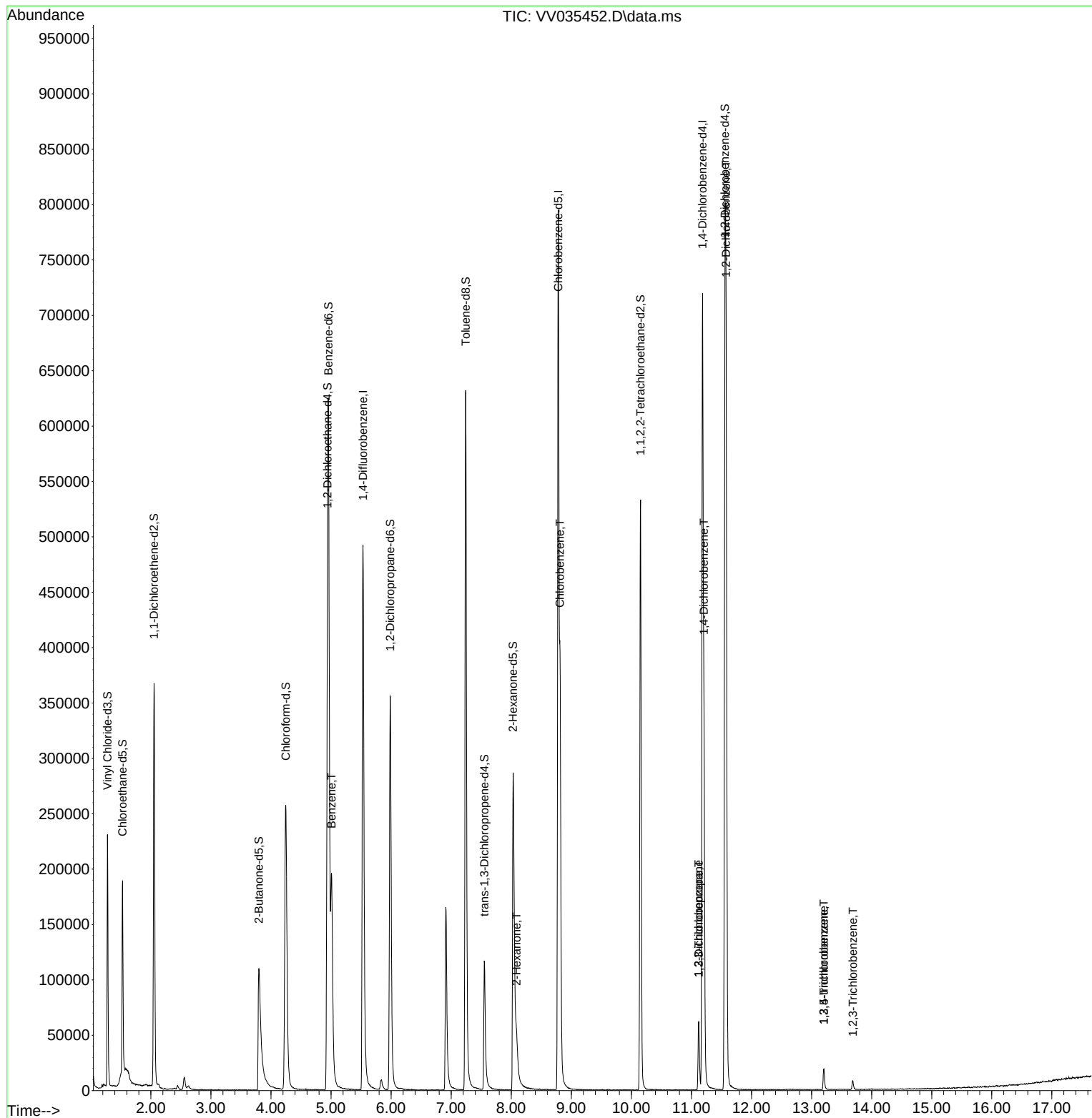
| Compound                      | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                         |                |      |                     |         |        |          |
| Internal Standards            |                |      |                     |         |        |          |
| 1) 1,4-Difluorobenzene        | 5.532          | 114  | 454638              | 50.000  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.783          | 117  | 432298              | 50.000  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.185         | 152  | 184554              | 50.000  | ug/L   | 0.00     |
|                               |                |      |                     |         |        |          |
| System Monitoring Compounds   |                |      |                     |         |        |          |
| 4) Vinyl Chloride-d3          | 1.278          | 65   | 154794              | 42.366  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = 84.740%  |         |        |          |
| 7) Chloroethane-d5            | 1.529          | 69   | 105336              | 50.318  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = 100.640% |         |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.053          | 65   | 63247               | 42.354  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = 84.700%  |         |        |          |
| 21) 2-Butanone-d5             | 3.799          | 46   | 212620              | 113.544 | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = 113.540% |         |        |          |
| 24) Chloroform-d              | 4.246          | 84   | 290584              | 47.264  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 94.520%  |         |        |          |
| 26) 1,2-Dichloroethane-d4     | 4.941          | 65   | 183265              | 51.177  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 102.360% |         |        |          |
| 32) Benzene-d6                | 4.957          | 84   | 565067              | 49.740  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 99.480%  |         |        |          |
| 36) 1,2-Dichloropropane-d6    | 5.986          | 67   | 186481              | 53.203  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = 106.400% |         |        |          |
| 41) Toluene-d8                | 7.243          | 98   | 447059              | 43.660  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = 87.320%  |         |        |          |
| 43) trans-1,3-Dichloroprop... | 7.551          | 79   | 77754               | 47.420  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = 94.840%  |         |        |          |
| 47) 2-Hexanone-d5             | 8.031          | 63   | 106908              | 105.802 | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = 105.800% |         |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.153         | 84   | 269759              | 53.998  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = 108.000% |         |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.558         | 152  | 171445              | 53.097  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = 106.200% |         |        |          |
|                               |                |      |                     |         |        |          |
| Target Compounds              |                |      |                     |         | Qvalue |          |
| 33) Benzene                   | 5.008          | 78   | 214476              | 18.541  | ug/L   | 100      |
| 48) 2-Hexanone                | 8.088          | 43   | 29277               | 8.930   | ug/L # | 87       |
| 51) Chlorobenzene             | 8.812          | 112  | 218887              | 25.608  | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 11.120         | 75   | 7843                | 2.270   | ug/L # | 49       |
| 64) 1,3-Dichlorobenzene       | 11.120         | 146  | 27369               | 4.990   | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.207         | 146  | 132762              | 23.076  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 11.577         | 146  | 237266              | 42.695  | ug/L   | 99       |
| 69) 1,3,5-Trichlorobenzene    | 13.204         | 180  | 7398                | 1.904   | ug/L   | 96       |
| 70) 1,2,4-trichlorobenzene    | 13.204         | 180  | 7398                | 2.398   | ug/L   | 97       |
| 72) 1,2,3-Trichlorobenzene    | 13.686         | 180  | 3328                | 1.107   | ug/L   | 98       |
| -----                         |                |      |                     |         |        |          |

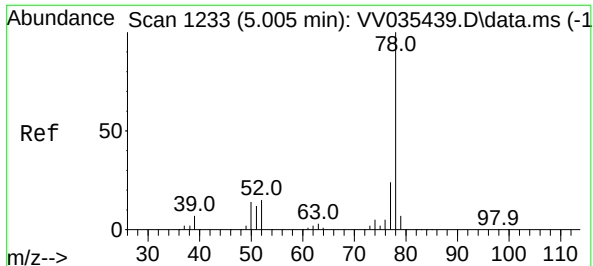
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV042624\  
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Sample : P2279-12 100X  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Apr 27 05:28:43 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM042624WMA.M  
Quant Title : VOC Analysis  
QLast Update : Sat Apr 27 01:20:16 2024  
Response via : Initial Calibration





#33

Benzene

Concen: 18.541 ug/L

RT: 5.008 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV035452.D

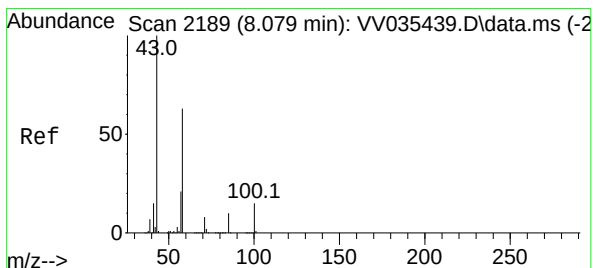
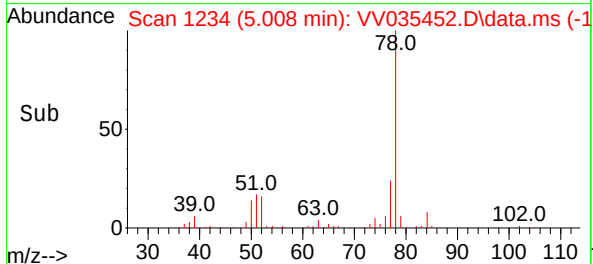
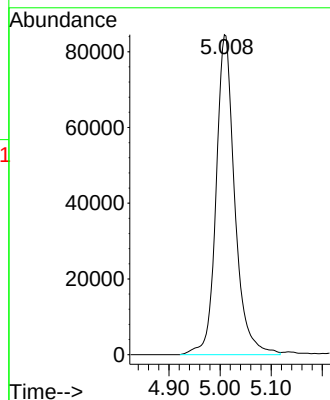
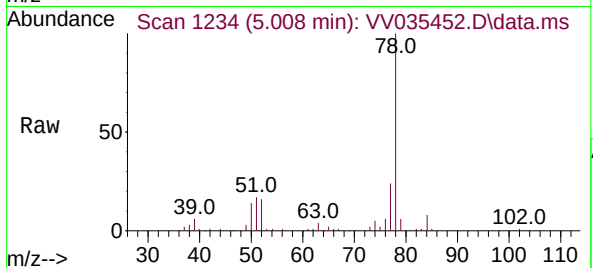
Acq: 27 Apr 2024 02:00

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 78 Resp: 214476



#48

2-Hexanone

Concen: 8.930 ug/L

RT: 8.088 min Scan# 2192

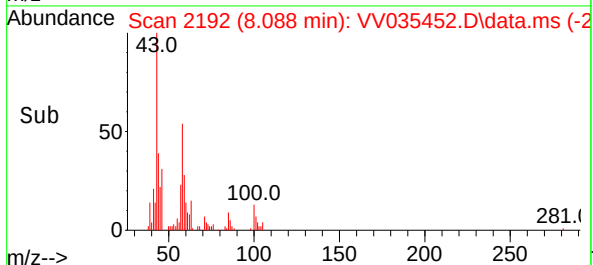
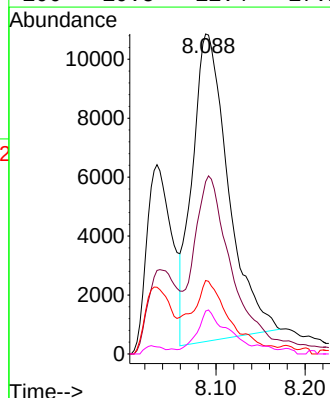
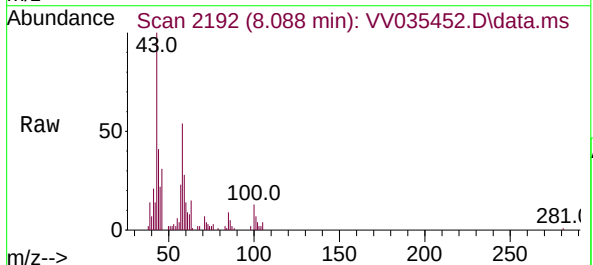
Delta R.T. 0.010 min

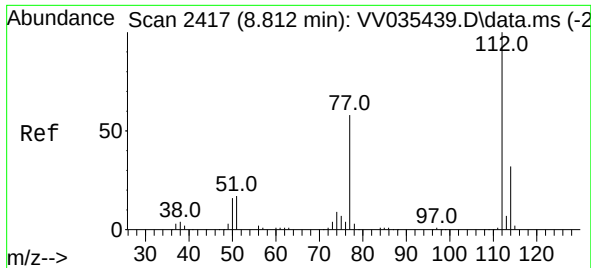
Lab File: VV035452.D

Acq: 27 Apr 2024 02:00

Tgt Ion: 43 Resp: 29277

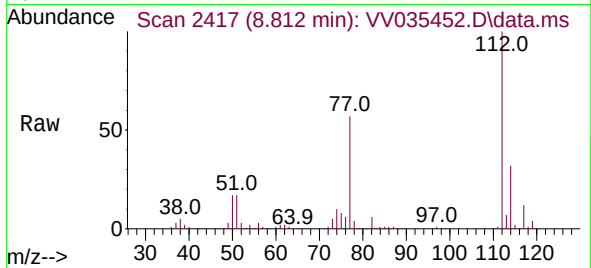
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 53.3  | 49.4  | 74.0  |
| 57  | 10.6  | 17.1  | 25.7# |
| 100 | 10.5  | 11.4  | 17.2# |



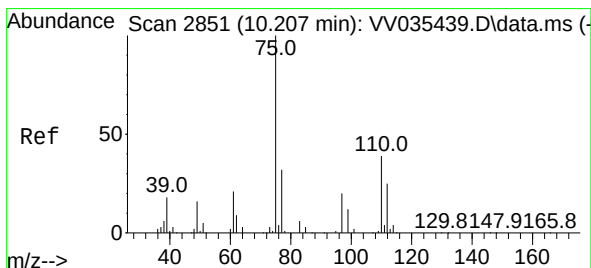
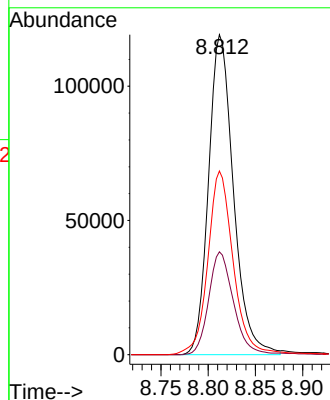
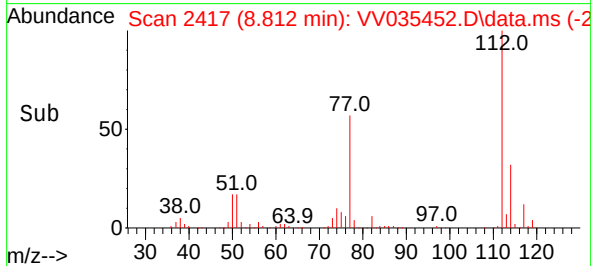


#51  
Chlorobenzene  
Concen: 25.608 ug/L  
RT: 8.812 min Scan# 2417  
Delta R.T. 0.000 min  
Lab File: VV035452.D  
Acq: 27 Apr 2024 02:00

Instrument :  
MSVOA\_V  
ClientSampleId :

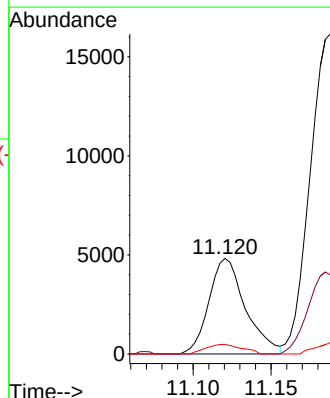
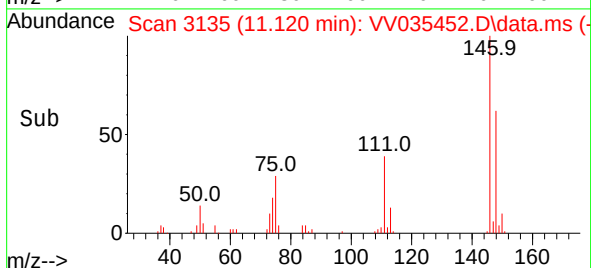
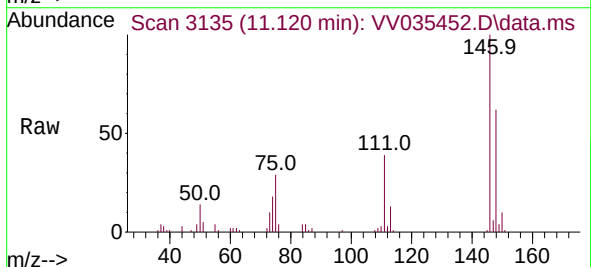


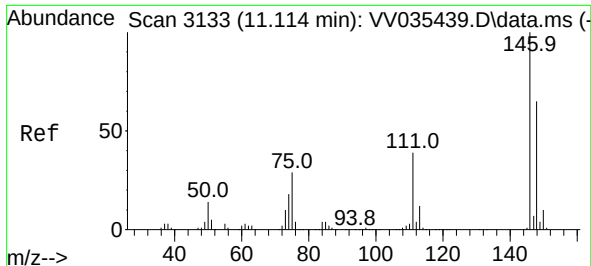
Tgt Ion:112 Resp: 218887  
Ion Ratio Lower Upper  
112 100  
114 32.1 22.4 41.6  
77 57.4 45.6 68.4



#61  
1,2,3-Trichloropropane  
Concen: 2.270 ug/L  
RT: 11.120 min Scan# 3135  
Delta R.T. 0.913 min  
Lab File: VV035452.D  
Acq: 27 Apr 2024 02:00

Tgt Ion: 75 Resp: 7843  
Ion Ratio Lower Upper  
75 100  
77 0.8 25.3 37.9#  
110 9.9 31.2 46.8#





#64

1,3-Dichlorobenzene

Concen: 4.990 ug/L

RT: 11.120 min Scan# 3135

Delta R.T. 0.007 min

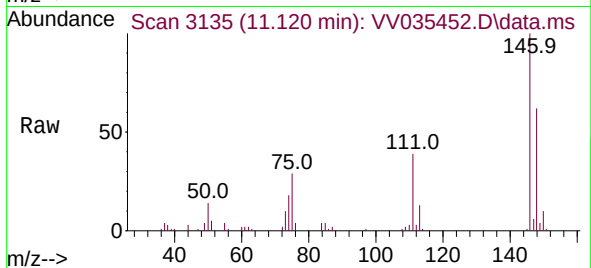
Lab File: VV035452.D

Acq: 27 Apr 2024 02:00

Instrument :

MSVOA\_V

ClientSampleId :



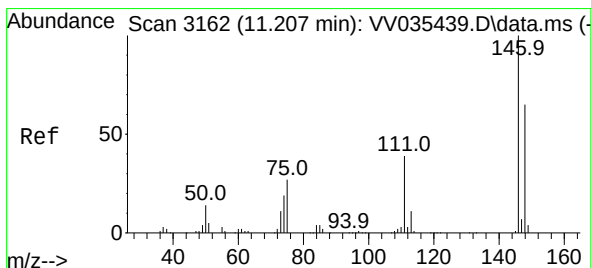
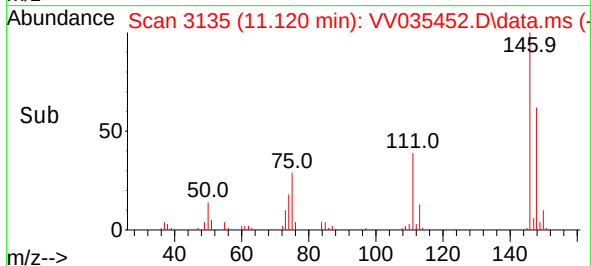
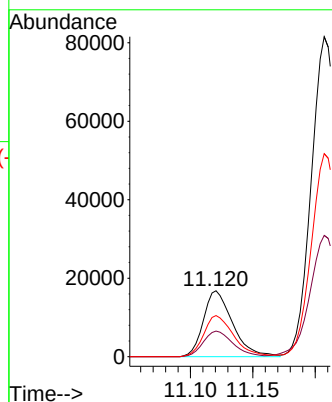
Tgt Ion:146 Resp: 27369

Ion Ratio Lower Upper

146 100

111 38.8 27.0 50.2

148 62.4 44.2 82.2



#65

1,4-Dichlorobenzene

Concen: 23.076 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.000 min

Lab File: VV035452.D

Acq: 27 Apr 2024 02:00

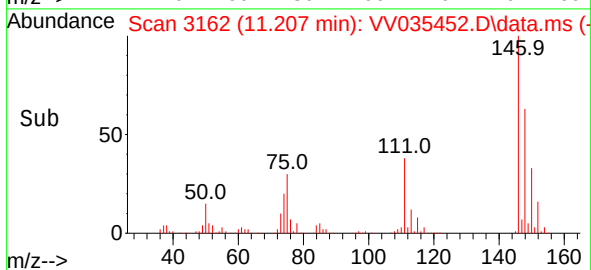
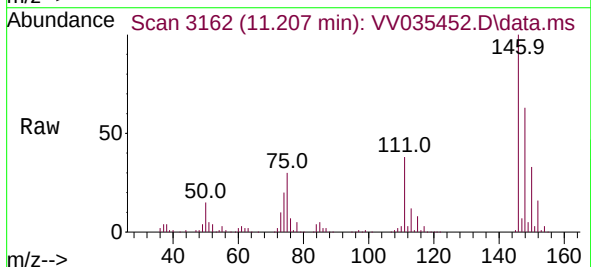
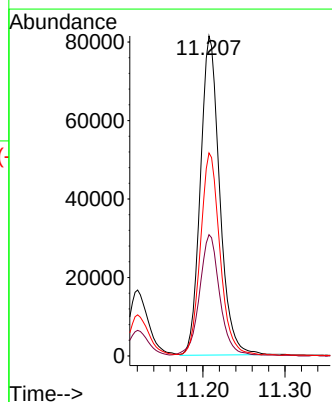
Tgt Ion:146 Resp: 132762

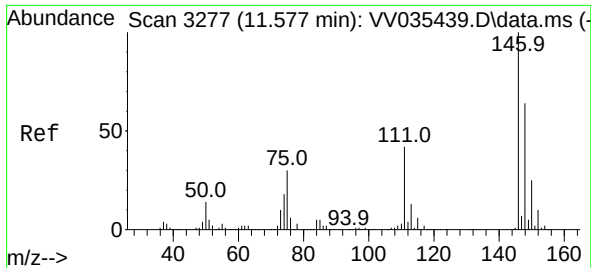
Ion Ratio Lower Upper

146 100

111 37.9 26.5 49.1

148 63.5 45.0 83.6





#67

1,2-Dichlorobenzene

Concen: 42.695 ug/L

RT: 11.577 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV035452.D

Acq: 27 Apr 2024 02:00

Instrument :

MSVOA\_V

ClientSampleId :

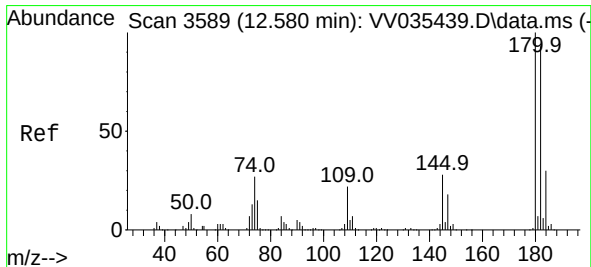
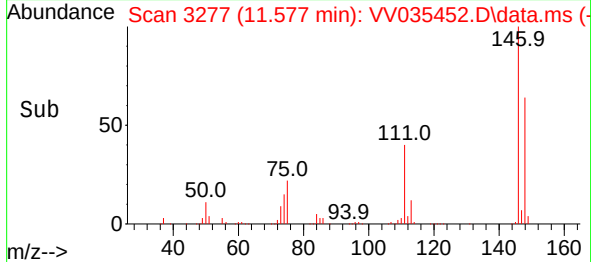
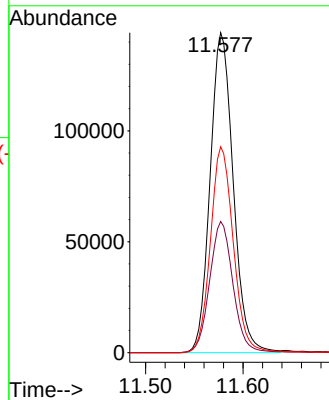
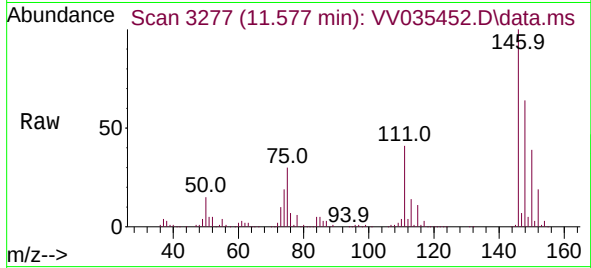
Tgt Ion:146 Resp: 237266

Ion Ratio Lower Upper

146 100

111 41.0 33.3 49.9

148 64.3 52.2 78.2



#69

1,3,5-Trichlorobenzene

Concen: 1.904 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. 0.624 min

Lab File: VV035452.D

Acq: 27 Apr 2024 02:00

Tgt Ion:180 Resp: 7398

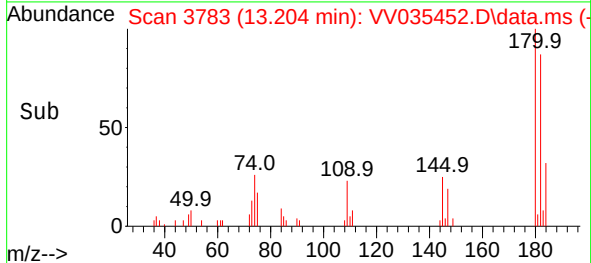
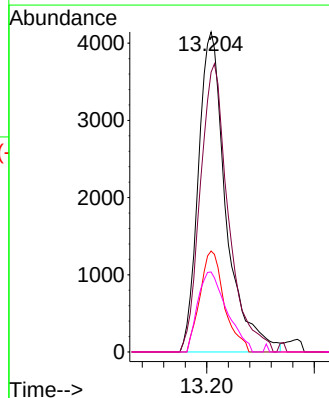
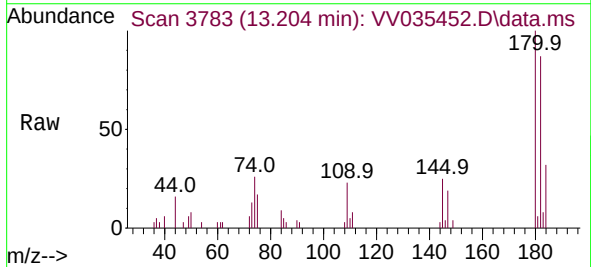
Ion Ratio Lower Upper

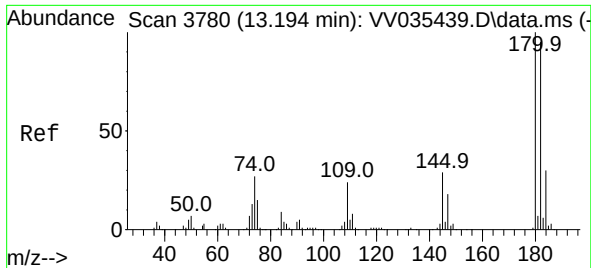
180 100

182 91.3 76.2 114.2

184 27.8 23.8 35.6

145 26.2 22.7 34.1





#70

1,2,4-trichlorobenzene

Concen: 2.398 ug/L

RT: 13.204 min Scan# 31

Delta R.T. 0.010 min

Lab File: VV035452.D

Acq: 27 Apr 2024 02:00

Instrument :

MSVOA\_V

ClientSampleId :

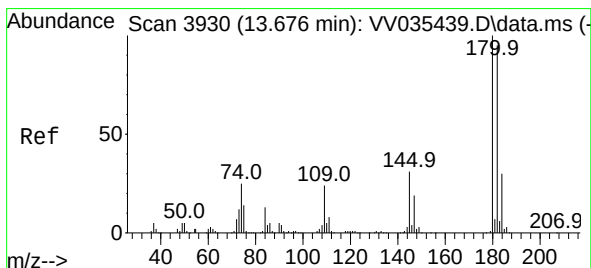
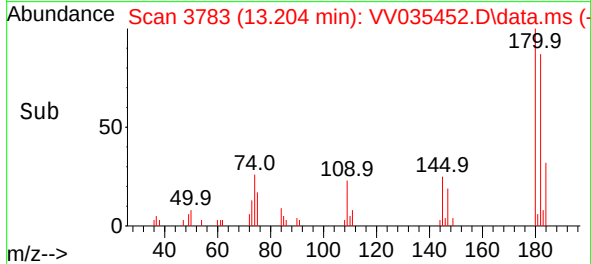
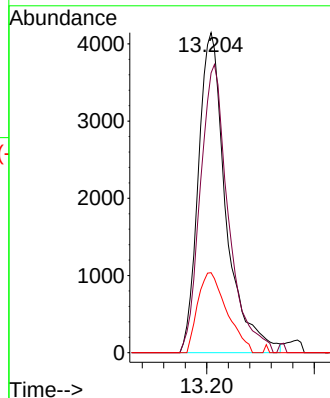
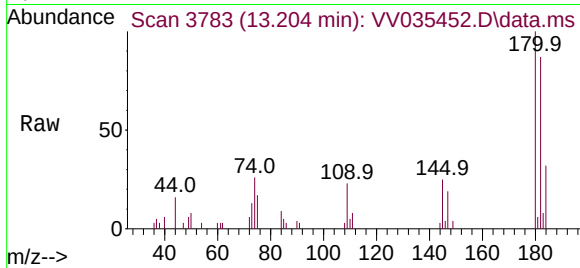
Tgt Ion:180 Resp: 7398

Ion Ratio Lower Upper

180 100

182 91.3 75.1 112.7

145 26.2 23.2 34.8



#72

1,2,3-Trichlorobenzene

Concen: 1.107 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.010 min

Lab File: VV035452.D

Acq: 27 Apr 2024 02:00

Tgt Ion:180 Resp: 3328

Ion Ratio Lower Upper

180 100

182 93.4 76.6 115.0

145 32.2 24.7 37.1

