

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV042924\  
 Data File : VV035480.D  
 Acq On : 29 Apr 2024 18:57  
 Operator : SY/MD  
 Sample : P2279-12 50X  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Apr 30 02:14:56 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM042624WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Apr 30 02:09:05 2024  
 Response via : Initial Calibration

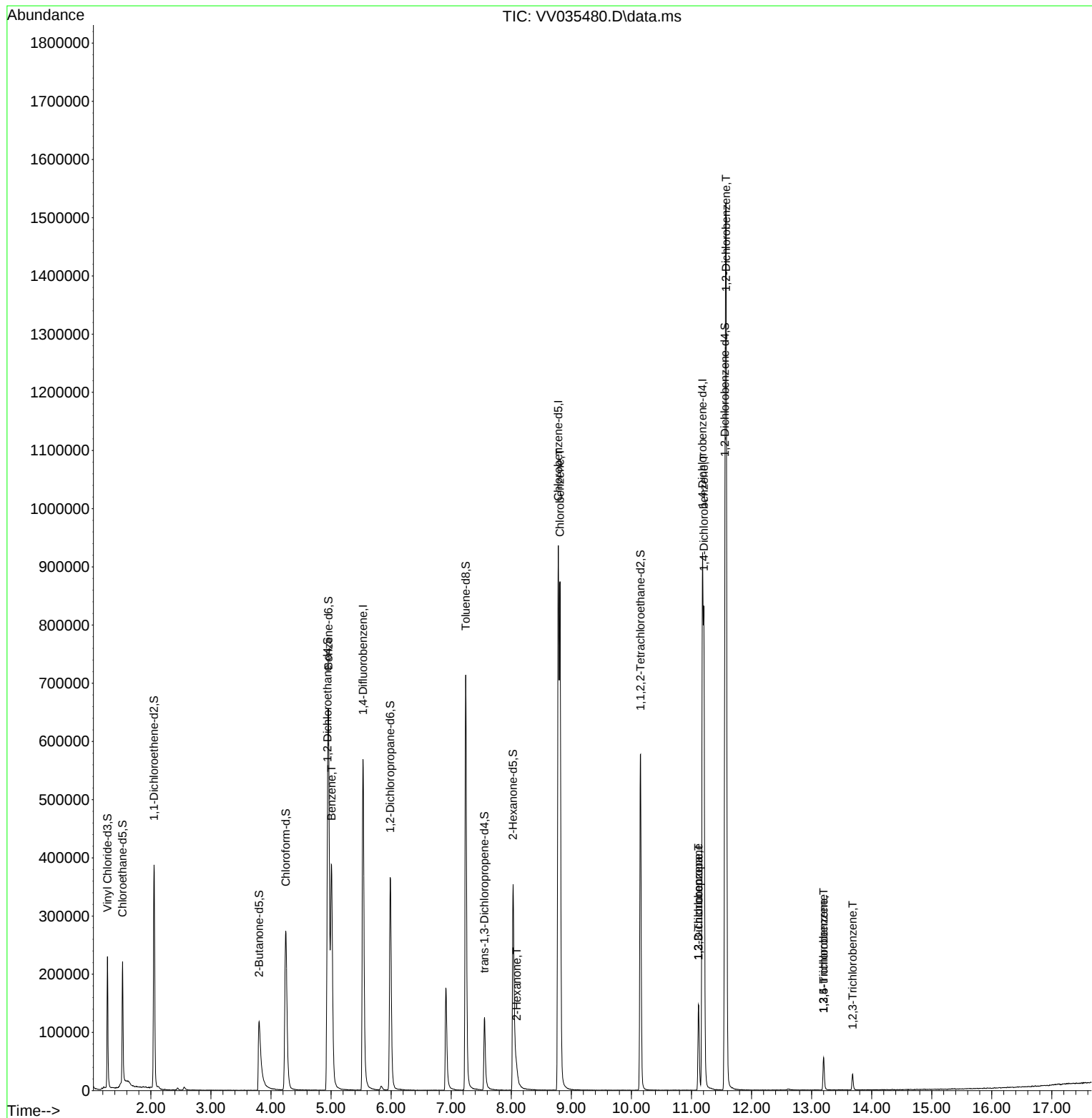
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.532   | 114   | 519869   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.783   | 117   | 506600   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.185  | 152   | 226090   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278   | 65    | 150315   | 35.978   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 71.960%  |
| 7) Chloroethane-d5            | 1.529   | 69    | 128736   | 53.780   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 107.560% |
| 11) 1,1-Dichloroethene-d2     | 2.053   | 65    | 66002    | 38.653   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 77.300%  |
| 21) 2-Butanone-d5             | 3.802   | 46    | 221662   | 103.520  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 103.520% |
| 24) Chloroform-d              | 4.246   | 84    | 306604   | 43.612   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 87.220%  |
| 26) 1,2-Dichloroethane-d4     | 4.941   | 65    | 190681   | 46.566   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 93.140%  |
| 32) Benzene-d6                | 4.957   | 84    | 592892   | 44.535   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 89.060%  |
| 36) 1,2-Dichloropropane-d6    | 5.986   | 67    | 194210   | 47.281   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 94.560%  |
| 41) Toluene-d8                | 7.243   | 98    | 503255   | 41.940   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 83.880%  |
| 43) trans-1,3-Dichloroprop... | 7.555   | 79    | 81443    | 42.385   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 84.760%  |
| 47) 2-Hexanone-d5             | 8.030   | 63    | 123494   | 104.291  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 104.290% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149  | 84    | 287358   | 49.084   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 98.160%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.558  | 152   | 205891   | 52.051   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 104.100% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 33) Benzene                   | 5.008   | 78    | 424578   | 31.320   | ug/L   | 100      |
| 48) 2-Hexanone                | 8.092   | 43    | 28597    | 7.443    | ug/L # | 77       |
| 51) Chlorobenzene             | 8.812   | 112   | 478970   | 47.816   | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 11.117  | 75    | 17538    | 4.144    | ug/L # | 50       |
| 64) 1,3-Dichlorobenzene       | 11.117  | 146   | 62656    | 9.325    | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.207  | 146   | 315501   | 44.765   | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 11.577  | 146   | 556323   | 81.717   | ug/L   | 99       |
| 69) 1,3,5-Trichlorobenzene    | 13.201  | 180   | 18618    | 3.911    | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.201  | 180   | 18618    | 4.926    | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.683  | 180   | 9220     | 2.504    | ug/L   | 97       |
| -----                         |         |       |          |          |        |          |

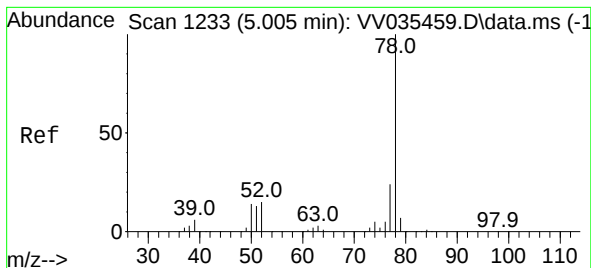
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV042924\  
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MSVOA\_V  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM042624WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Apr 30 02:09:05 2024  
Response via : Initial Calibration





#33

Benzene

Concen: 31.320 ug/L

RT: 5.008 min Scan# 1233

Delta R.T. 0.003 min

Lab File: VV035480.D

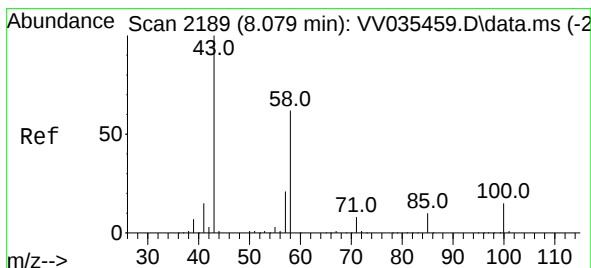
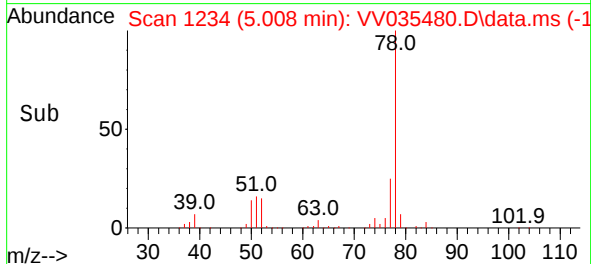
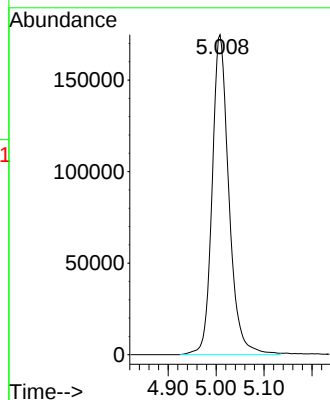
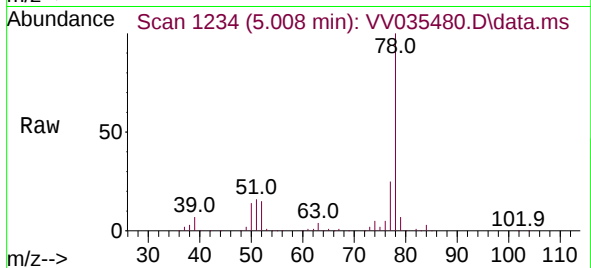
Acq: 29 Apr 2024 18:57

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 78 Resp: 424578



#48

2-Hexanone

Concen: 7.443 ug/L

RT: 8.092 min Scan# 2193

Delta R.T. 0.013 min

Lab File: VV035480.D

Acq: 29 Apr 2024 18:57

Tgt Ion: 43 Resp: 28597

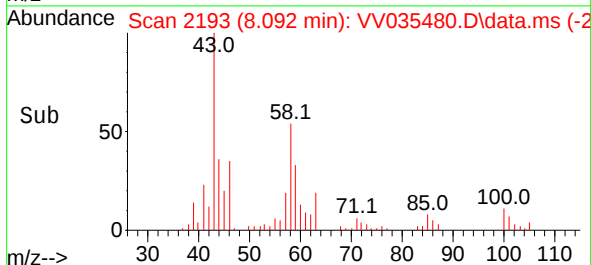
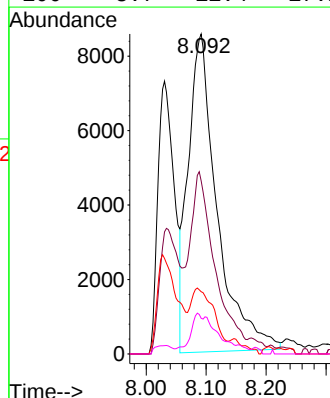
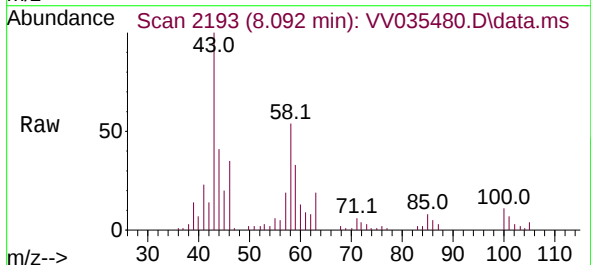
Ion Ratio Lower Upper

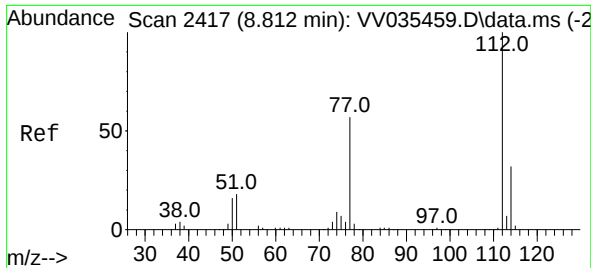
43 100

58 42.9 49.4 74.0#

57 13.3 17.1 25.7#

100 3.7 11.4 17.2#

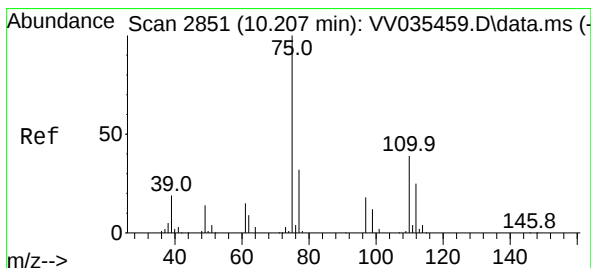
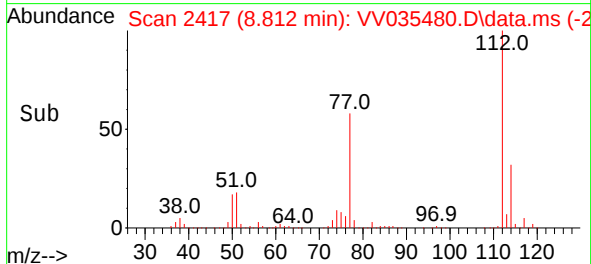
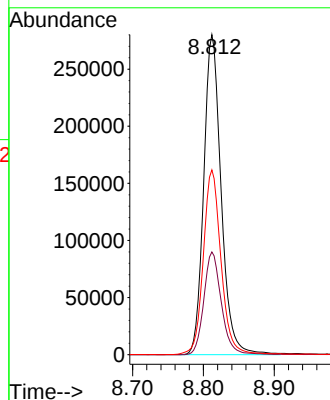
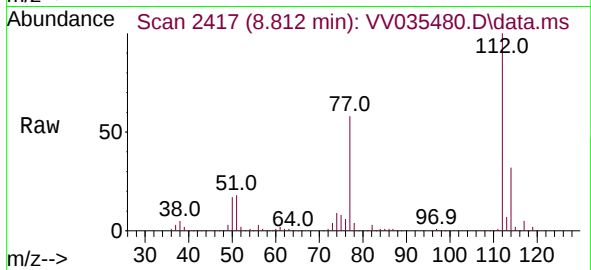




#51  
Chlorobenzene  
Concen: 47.816 ug/L  
RT: 8.812 min Scan# 2417  
Delta R.T. 0.000 min  
Lab File: VV035480.D  
Acq: 29 Apr 2024 18:57

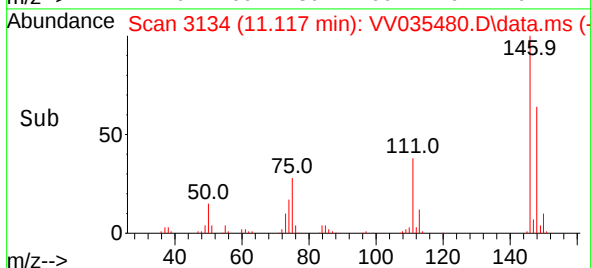
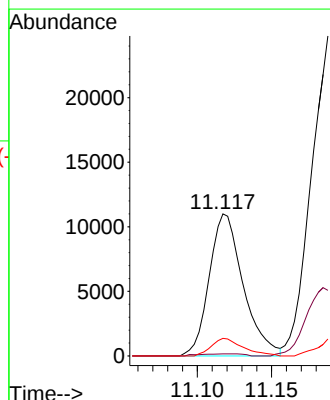
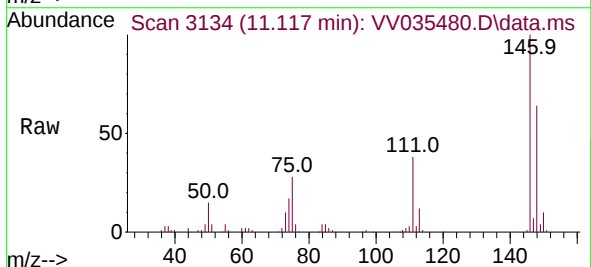
Instrument :  
MSVOA\_V  
ClientSampleId :

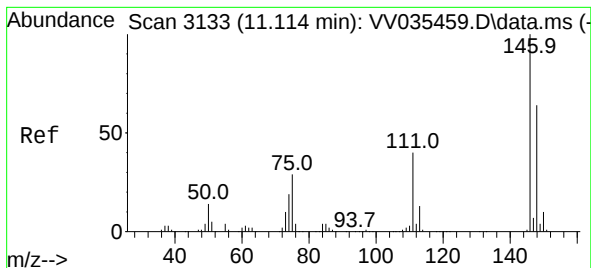
Tgt Ion:112 Resp: 478970  
Ion Ratio Lower Upper  
112 100  
114 32.1 22.4 41.6  
77 57.7 45.6 68.4



#61  
1,2,3-Trichloropropane  
Concen: 4.144 ug/L  
RT: 11.117 min Scan# 3134  
Delta R.T. 0.910 min  
Lab File: VV035480.D  
Acq: 29 Apr 2024 18:57

Tgt Ion: 75 Resp: 17538  
Ion Ratio Lower Upper  
75 100  
77 0.5 25.3 37.9#  
110 11.5 31.2 46.8#





#64

1,3-Dichlorobenzene

Concen: 9.325 ug/L

RT: 11.117 min Scan# 3133

Delta R.T. 0.003 min

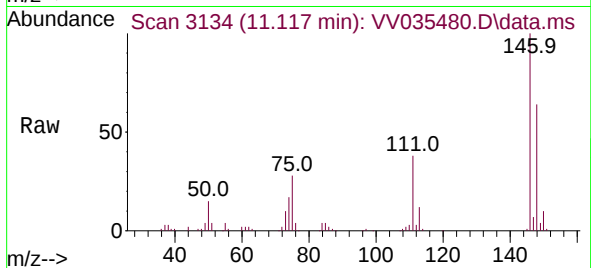
Lab File: VV035480.D

Acq: 29 Apr 2024 18:57

Instrument :

MSVOA\_V

ClientSampleId :



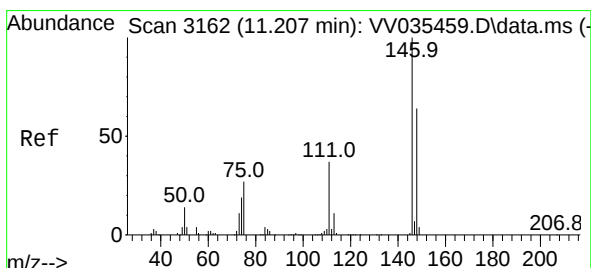
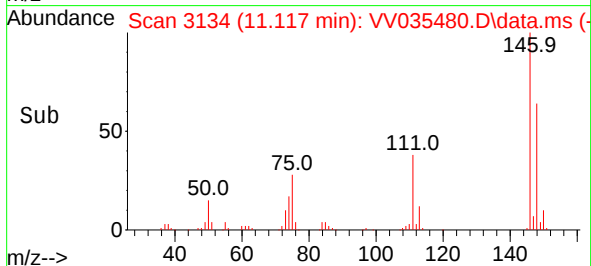
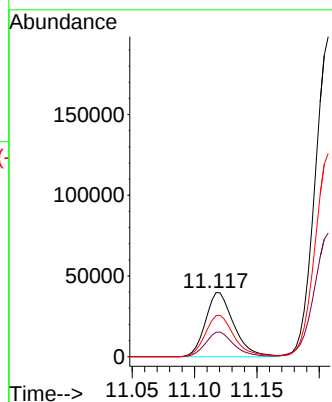
Tgt Ion:146 Resp: 62656

Ion Ratio Lower Upper

146 100

111 38.0 27.0 50.2

148 63.9 44.2 82.2



#65

1,4-Dichlorobenzene

Concen: 44.765 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.000 min

Lab File: VV035480.D

Acq: 29 Apr 2024 18:57

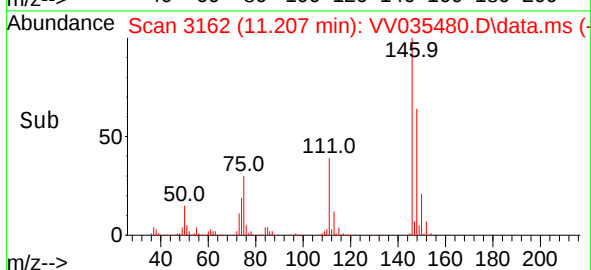
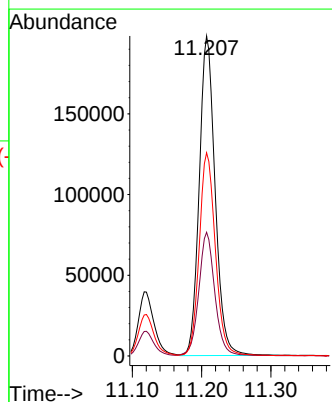
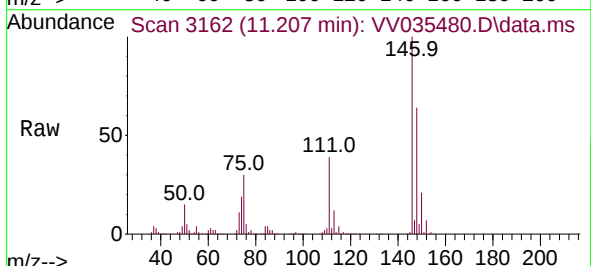
Tgt Ion:146 Resp: 315501

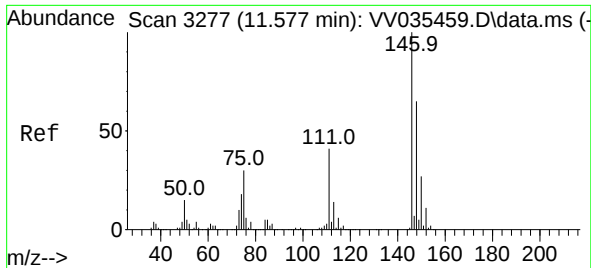
Ion Ratio Lower Upper

146 100

111 38.6 26.5 49.1

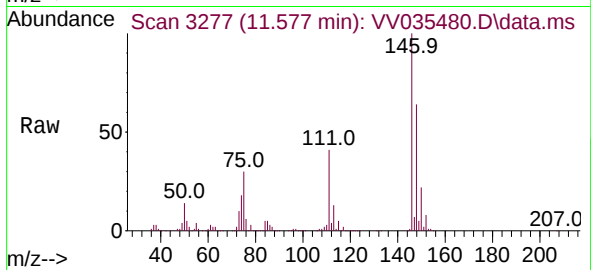
148 63.5 45.0 83.6



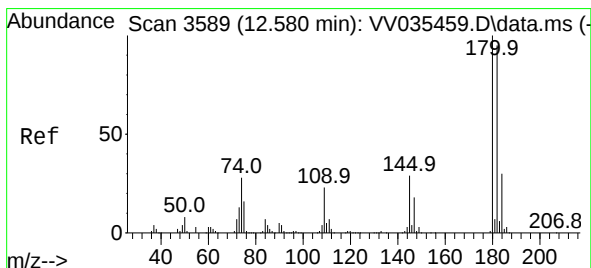
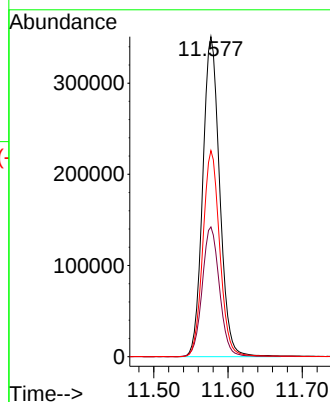
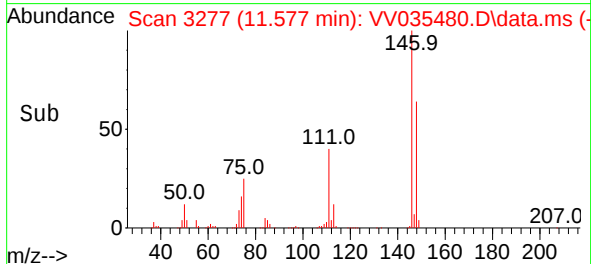


#67  
1,2-Dichlorobenzene  
Concen: 81.717 ug/L  
RT: 11.577 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VV035480.D  
Acq: 29 Apr 2024 18:57

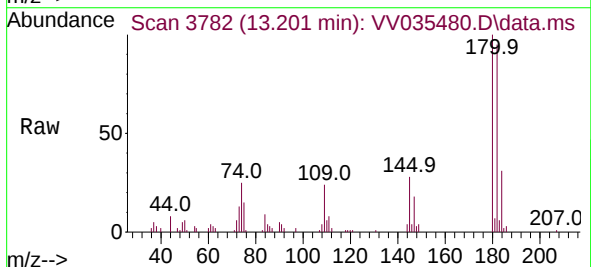
Instrument :  
MSVOA\_V  
ClientSampleId :



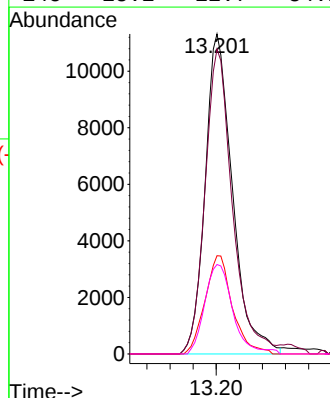
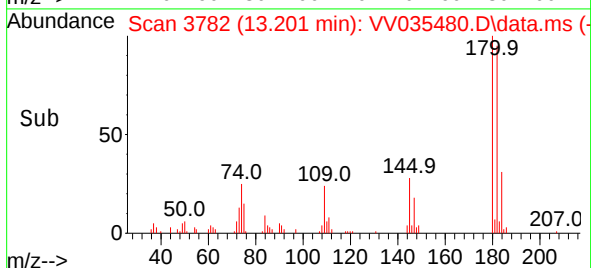
Tgt Ion:146 Resp: 556323  
Ion Ratio Lower Upper  
146 100  
111 40.6 33.3 49.9  
148 64.4 52.2 78.2

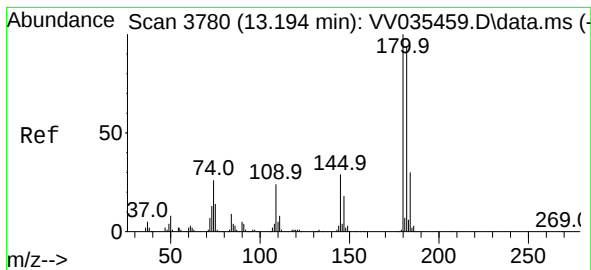


#69  
1,3,5-Trichlorobenzene  
Concen: 3.911 ug/L  
RT: 13.201 min Scan# 3782  
Delta R.T. 0.621 min  
Lab File: VV035480.D  
Acq: 29 Apr 2024 18:57



Tgt Ion:180 Resp: 18618  
Ion Ratio Lower Upper  
180 100  
182 95.1 76.2 114.2  
184 30.8 23.8 35.6  
145 28.2 22.7 34.1





#70

1,2,4-trichlorobenzene

Concen: 4.926 ug/L

RT: 13.201 min Scan# 31

Delta R.T. 0.007 min

Lab File: VV035480.D

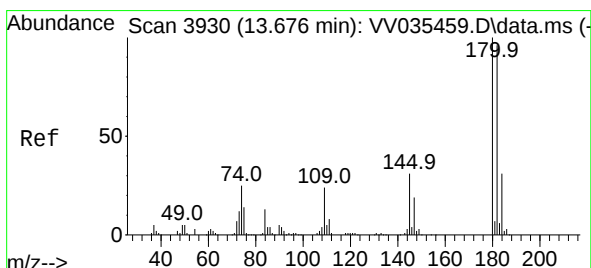
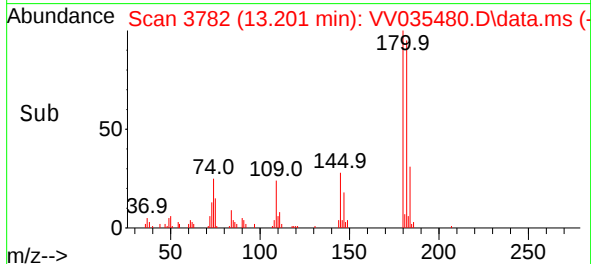
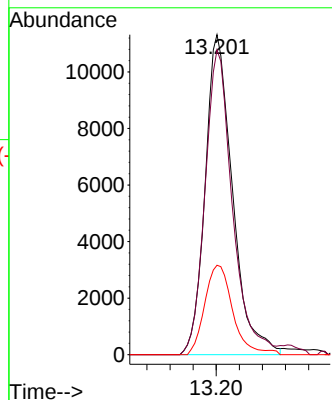
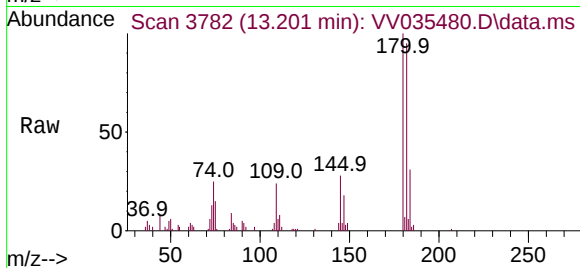
Acq: 29 Apr 2024 18:57

Instrument :

MSVOA\_V

ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 18618      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 95.1  | 75.1 112.7 |
| 145         | 28.2  | 23.2 34.8  |



#72

1,2,3-Trichlorobenzene

Concen: 2.504 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.007 min

Lab File: VV035480.D

Acq: 29 Apr 2024 18:57

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 9220       |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 98.0  | 76.6 115.0 |
| 145         | 28.8  | 24.7 37.1  |

