

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW120822\  
 Data File : VW029472.D  
 Acq On : 08 Dec 2022 15:03  
 Operator : SY/MD  
 Sample : N5894-03DL 50X  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AA4DL

Quant Time: Dec 09 02:00:51 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM120722WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Dec 08 01:48:46 2022  
 Response via : Initial Calibration

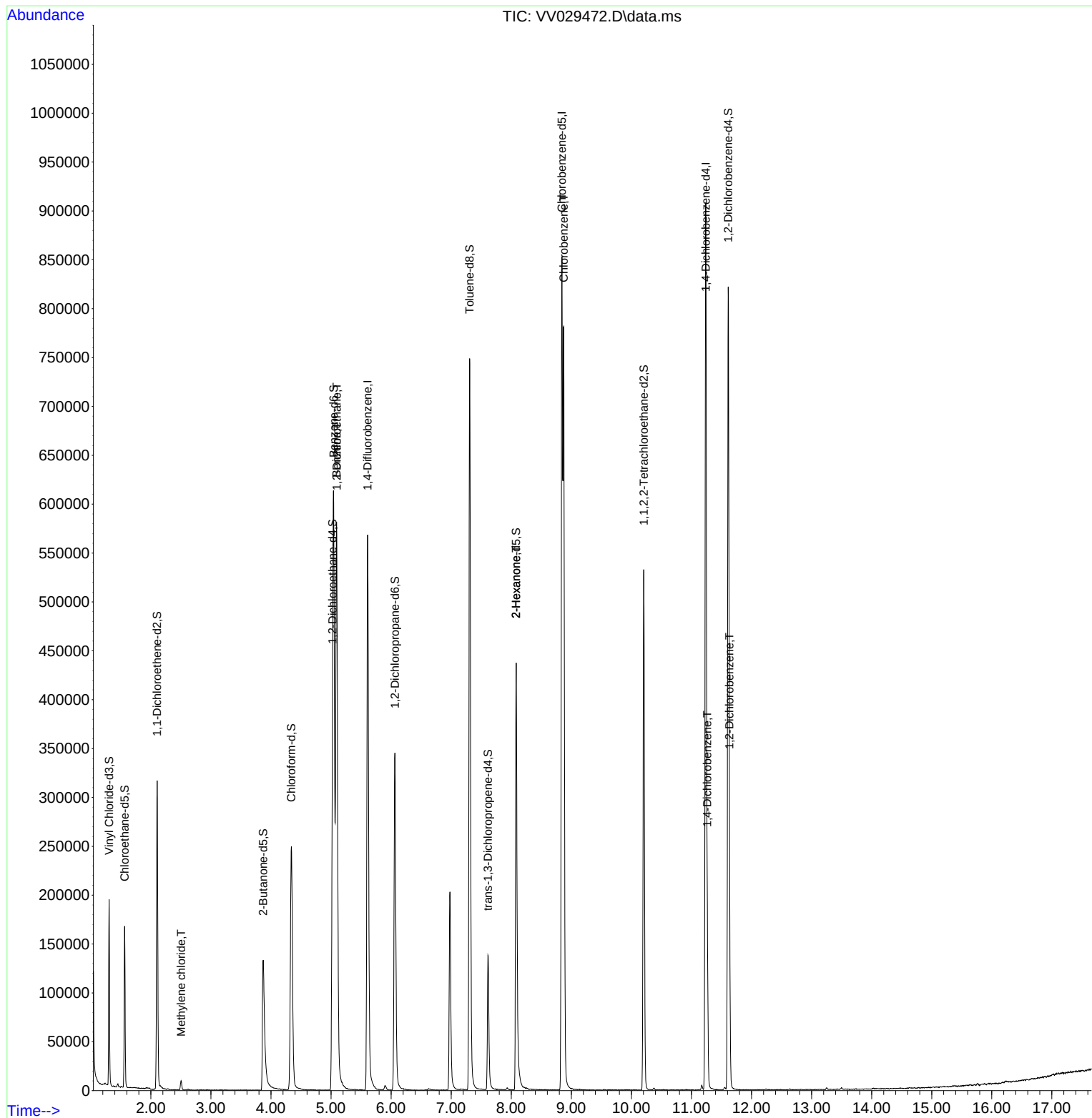
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.609   | 114   | 526045   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.844   | 117   | 479839   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.239  | 152   | 246410   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304   | 65    | 119796   | 37.189   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 74.380%  |
| 7) Chloroethane-d5            | 1.564   | 69    | 105713   | 43.037   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 86.080%  |
| 11) 1,1-Dichloroethene-d2     | 2.105   | 63    | 161769   | 32.197   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 64.400%  |
| 21) 2-Butanone-d5             | 3.870   | 46    | 202635   | 103.119  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 103.120% |
| 24) Chloroform-d              | 4.339   | 84    | 275458   | 45.441   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 90.880%  |
| 26) 1,2-Dichloroethane-d4     | 5.024   | 65    | 167511   | 48.384   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 96.760%  |
| 32) Benzene-d6                | 5.043   | 84    | 580279   | 45.767   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 91.540%  |
| 36) 1,2-Dichloropropane-d6    | 6.063   | 67    | 182934   | 47.235   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 94.480%  |
| 41) Toluene-d8                | 7.307   | 98    | 522540   | 43.740   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 87.480%  |
| 43) trans-1,3-Dichloroprop... | 7.612   | 79    | 87533    | 44.759   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 89.520%  |
| 47) 2-Hexanone-d5             | 8.082   | 63    | 165571   | 100.116  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 100.120% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.207  | 84    | 264829   | 47.853   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 95.700%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.612  | 152   | 215490   | 45.940   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 91.880%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 16) Methylene chloride        | 2.503   | 84    | 3966     | 1.134    | ug/L   | 97       |
| 27) 1,2-Dichloroethane        | 5.095   | 62    | 4254     | 1.047    | ug/L # | 70       |
| 33) Benzene                   | 5.092   | 78    | 616761   | 45.601   | ug/L   | 100      |
| 48) 2-Hexanone                | 8.082   | 43    | 16425    | 5.524    | ug/L # | 66       |
| 51) Chlorobenzene             | 8.873   | 112   | 418901   | 45.442   | ug/L   | 100      |
| 65) 1,4-Dichlorobenzene       | 11.262  | 146   | 65332    | 9.088    | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 11.632  | 146   | 62197    | 8.599    | ug/L   | 96       |
| -----                         |         |       |          |          |        |          |

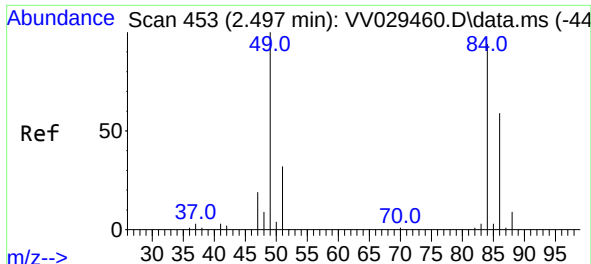
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 08 01:48:46 2022  
Response via : Initial Calibration

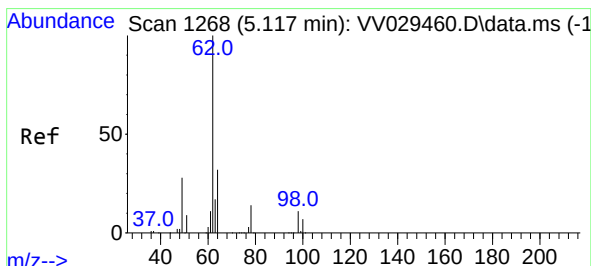
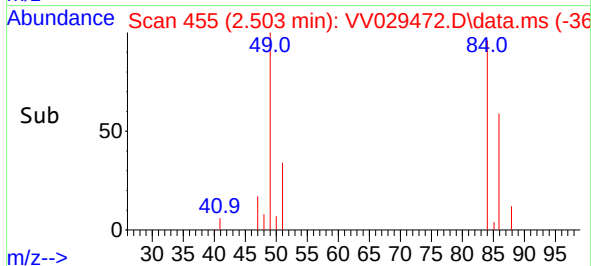
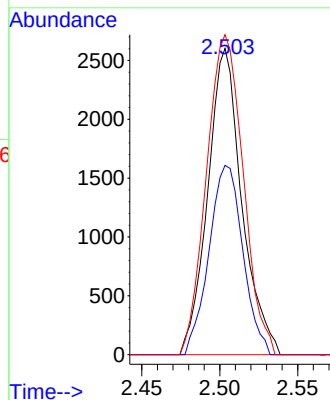
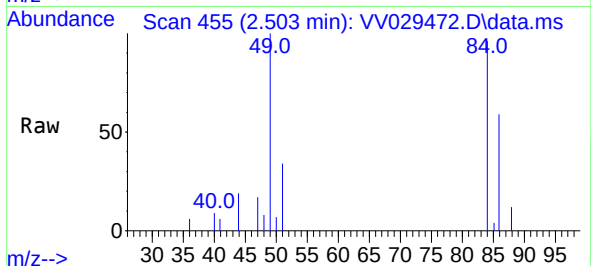




#16  
Methylene chloride  
Concen: 1.134 ug/L  
RT: 2.503 min Scan# 41  
Delta R.T. 0.003 min  
Lab File: VV029472.D  
Acq: 08 Dec 2022 15:03

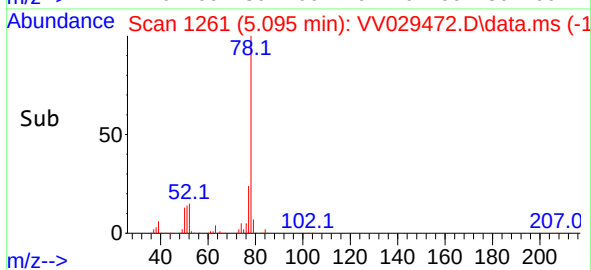
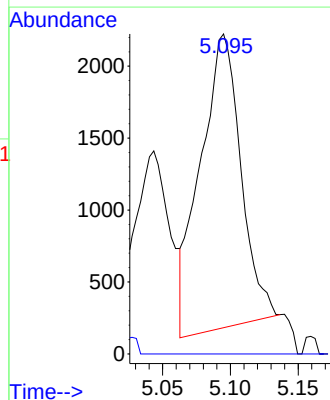
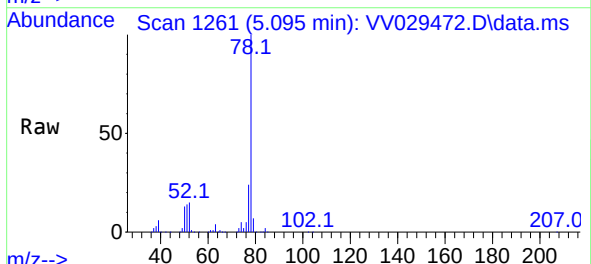
Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AA4DL

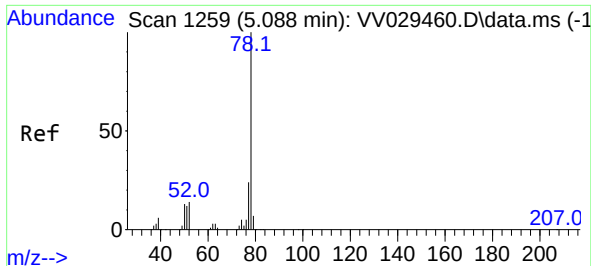
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 3966  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 86       | 61.8  | 46.0  | 85.4  |
| 49       | 104.5 | 72.2  | 134.0 |



#27  
1,2-Dichloroethane  
Concen: 1.047 ug/L  
RT: 5.095 min Scan# 1261  
Delta R.T. -0.029 min  
Lab File: VV029472.D  
Acq: 08 Dec 2022 15:03

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 4254  |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 0.0   | 9.4   | 14.0# |

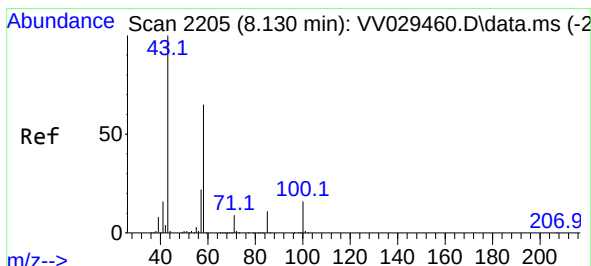
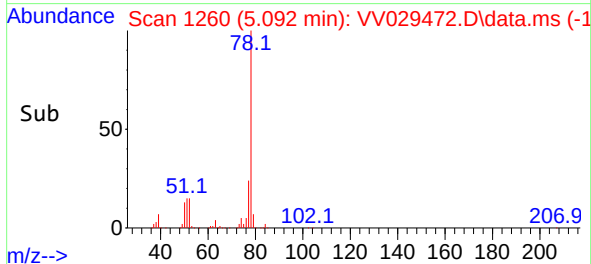
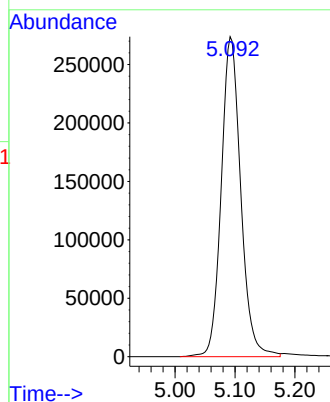
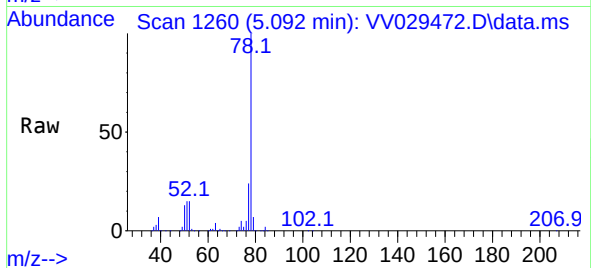




#33  
Benzene  
Concen: 45.601 ug/L  
RT: 5.092 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VV029472.D  
Acq: 08 Dec 2022 15:03

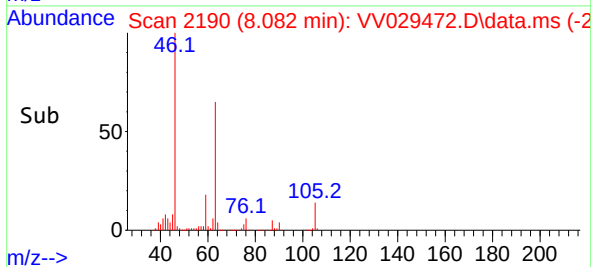
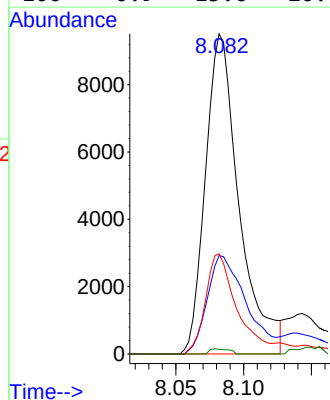
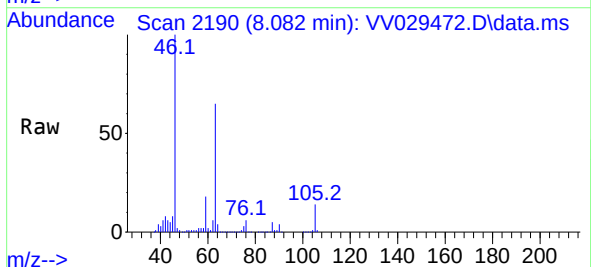
Instrument :  
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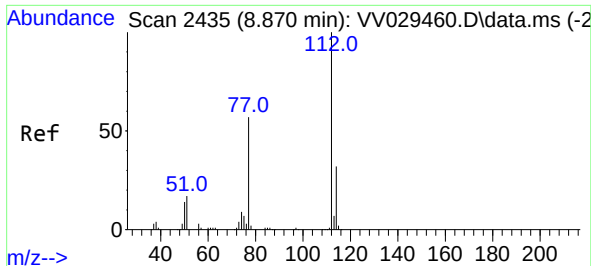
Tgt Ion: 78 Resp: 616761



#48  
2-Hexanone  
Concen: 5.524 ug/L  
RT: 8.082 min Scan# 2190  
Delta R.T. -0.051 min  
Lab File: VV029472.D  
Acq: 08 Dec 2022 15:03

Tgt Ion: 43 Resp: 16425  
Ion Ratio Lower Upper  
43 100  
58 35.5 54.1 81.1#  
57 29.0 17.4 26.0#  
100 0.9 13.6 20.4#

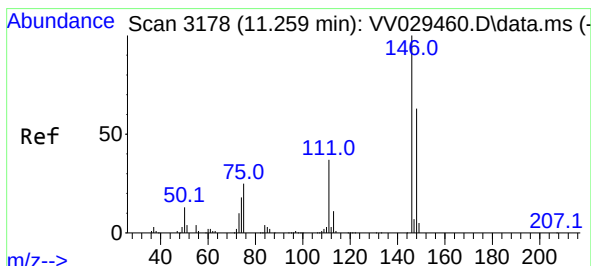
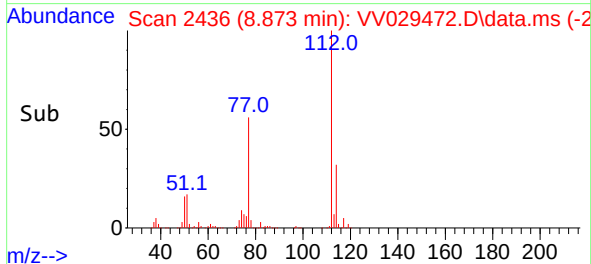
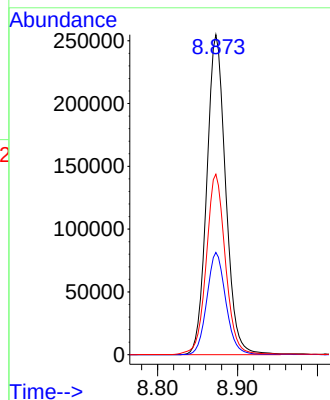
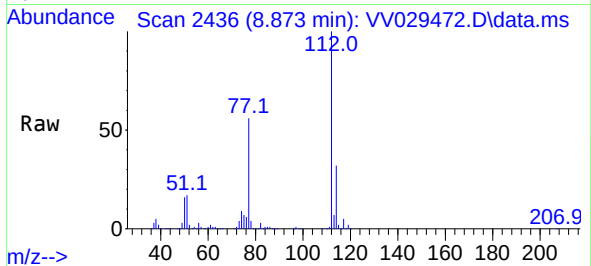




#51  
Chlorobenzene  
Concen: 45.442 ug/L  
RT: 8.873 min Scan# 2435  
Delta R.T. 0.000 min  
Lab File: VV029472.D  
Acq: 08 Dec 2022 15:03

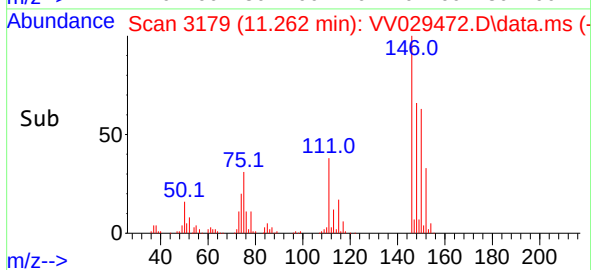
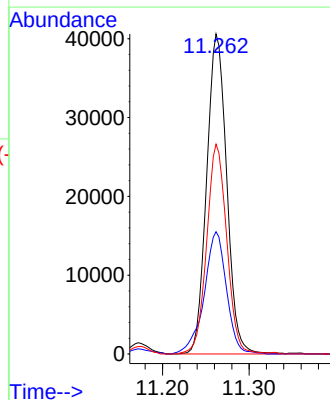
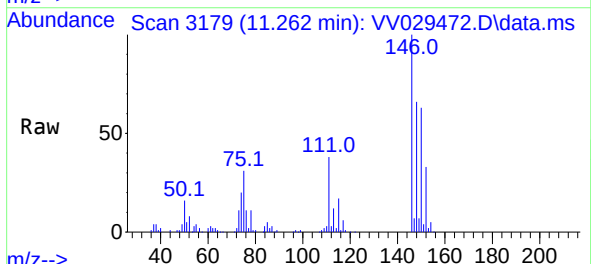
Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AA4DL

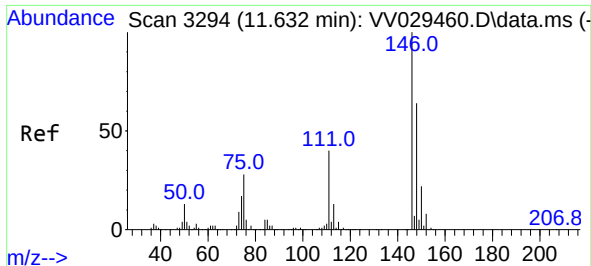
Tgt Ion:112 Resp: 418901  
Ion Ratio Lower Upper  
112 100  
114 31.9 22.3 41.3  
77 56.4 45.0 67.4



#65  
1,4-Dichlorobenzene  
Concen: 9.088 ug/L  
RT: 11.262 min Scan# 3179  
Delta R.T. 0.000 min  
Lab File: VV029472.D  
Acq: 08 Dec 2022 15:03

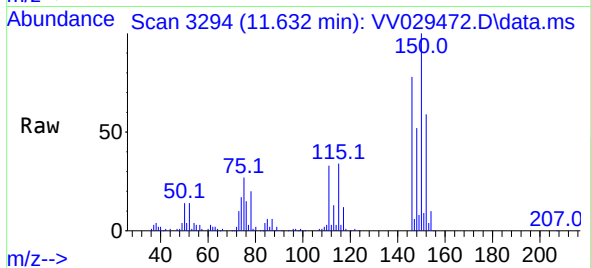
Tgt Ion:146 Resp: 65332  
Ion Ratio Lower Upper  
146 100  
111 38.2 26.2 48.8  
148 65.6 44.7 83.1





#67  
 1,2-Dichlorobenzene  
 Concen: 8.599 ug/L  
 RT: 11.632 min Scan# 31  
 Delta R.T. 0.000 min  
 Lab File: VV029472.D  
 Acq: 08 Dec 2022 15:03

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AA4DL



Tgt Ion:146 Resp: 62197

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 41.9  | 32.0  | 48.0  |
| 148 | 66.9  | 50.6  | 76.0  |

