

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW120123\  
 Data File : VW033083.D  
 Acq On : 01 Dec 2023 16:53  
 Operator : SY/MD  
 Sample : 04929-08ME  
 Misc : 3.82G/5.0mL/100uL/5mL/MSVOA\_V/MEOH  
 ALS Vial : 1 Sample Multiplier: 1

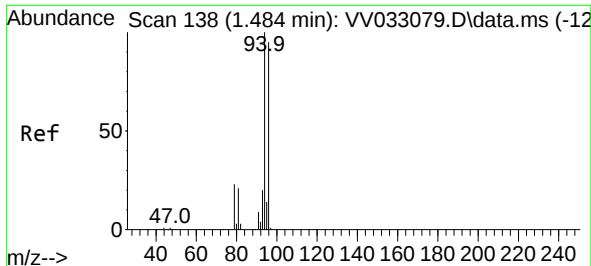
Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Dec 04 04:23:10 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM120123WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Dec 04 04:21:32 2023  
 Response via : Initial Calibration

| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min)     |
|-------------------------------|-----------|-------|----------|----------|------------|--------------|
| -----                         |           |       |          |          |            |              |
| Internal Standards            |           |       |          |          |            |              |
| 1) 1,4-Difluorobenzene        | 5.532     | 114   | 347027   | 50.000   | ug/L       | 0.00         |
| 28) Chlorobenzene-d5          | 8.786     | 117   | 349572   | 50.000   | ug/L       | 0.00         |
| 58) 1,4-Dichlorobenzene-d4    | 11.188    | 152   | 206521   | 50.000   | ug/L       | 0.00         |
| System Monitoring Compounds   |           |       |          |          |            |              |
| 4) Vinyl Chloride-d3          | 1.278     | 65    | 121913   | 58.767   | ug/L       | 0.00         |
| Spiked Amount                 | 50.000    | Range | 60 - 135 | Recovery | = 117.540% |              |
| 7) Chloroethane-d5            | 1.510     | 69    | 92471    | 63.973   | ug/L       | -0.02        |
| Spiked Amount                 | 50.000    | Range | 70 - 130 | Recovery | = 127.940% |              |
| 11) 1,1-Dichloroethene-d2     | 2.043     | 65    | 41599    | 52.710   | ug/L       | -0.02        |
| Spiked Amount                 | 50.000    | Range | 60 - 125 | Recovery | = 105.420% |              |
| 21) 2-Butanone-d5             | 3.789     | 46    | 104318   | 101.243  | ug/L       | 0.00         |
| Spiked Amount                 | 100.000   | Range | 40 - 130 | Recovery | = 101.240% |              |
| 24) Chloroform-d              | 4.249     | 84    | 232625   | 52.839   | ug/L       | 0.00         |
| Spiked Amount                 | 50.000    | Range | 70 - 125 | Recovery | = 105.680% |              |
| 26) 1,2-Dichloroethane-d4     | 4.937     | 65    | 154906   | 56.593   | ug/L       | 0.00         |
| Spiked Amount                 | 50.000    | Range | 70 - 125 | Recovery | = 113.180% |              |
| 32) Benzene-d6                | 4.957     | 84    | 461164   | 56.407   | ug/L       | 0.00         |
| Spiked Amount                 | 50.000    | Range | 70 - 125 | Recovery | = 112.820% |              |
| 36) 1,2-Dichloropropane-d6    | 5.989     | 67    | 124268   | 56.530   | ug/L       | 0.00         |
| Spiked Amount                 | 50.000    | Range | 70 - 120 | Recovery | = 113.060% |              |
| 41) Toluene-d8                | 7.243     | 98    | 444558   | 57.001   | ug/L       | 0.00         |
| Spiked Amount                 | 50.000    | Range | 80 - 120 | Recovery | = 114.000% |              |
| 43) trans-1,3-Dichloroprop... | 7.555     | 79    | 78538    | 56.500   | ug/L       | 0.00         |
| Spiked Amount                 | 50.000    | Range | 60 - 125 | Recovery | = 113.000% |              |
| 47) 2-Hexanone-d5             | 8.043     | 63    | 93305    | 105.655  | ug/L       | 0.02         |
| Spiked Amount                 | 100.000   | Range | 45 - 130 | Recovery | = 105.650% |              |
| 56) 1,1,2,2-Tetrachloroeth... | 10.159    | 84    | 162425   | 51.978   | ug/L       | 0.00         |
| Spiked Amount                 | 50.000    | Range | 65 - 120 | Recovery | = 103.960% |              |
| 66) 1,2-Dichlorobenzene-d4    | 11.394    | 152   | 46       | 0.013    | ug/L       | -0.17        |
| Spiked Amount                 | 50.000    | Range | 80 - 120 | Recovery | = 0.020%#  |              |
| Target Compounds              |           |       |          |          |            |              |
| 6) Bromomethane               | 1.468     | 94    | 4716     | 3.012    | ug/L       | Qvalue<br>97 |
| 15) Methyl Acetate            | 2.384     | 43    | 6940     | 4.233    | ug/L #     | 85           |
| 44) trans-1,3-Dichloropropene | 7.555     | 75    | 4035     | 1.073    | ug/L       | 89           |
| 48) 2-Hexanone                | 8.043     | 43    | 11297    | 6.260    | ug/L #     | 57           |
| 51) Chlorobenzene             | 8.815     | 112   | 211423   | 30.119   | ug/L       | 100          |
| 64) 1,3-Dichlorobenzene       | 11.120    | 146   | 482645   | 75.867   | ug/L       | 99           |
| 65) 1,4-Dichlorobenzene       | 11.214    | 146   | 1297705  | 196.373  | ug/L       | 99           |
| 67) 1,2-Dichlorobenzene       | 11.583    | 146   | 2074978  | 332.701  | ug/L       | 99           |
| 68) 1,2-Dibromo-3-chloropr... | 12.586    | 75    | 1762     | 2.230    | ug/L #     | 1            |
| 69) 1,3,5-Trichlorobenzene    | 12.590    | 180   | 11210    | 2.200    | ug/L       | 97           |
| 70) 1,2,4-trichlorobenzene    | 13.201    | 180   | 848196   | 180.163  | ug/L       | 99           |
| -----                         |           |       |          |          |            |              |

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

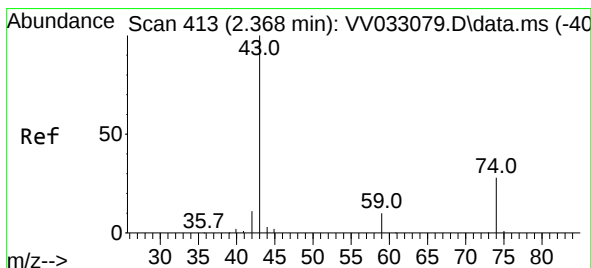
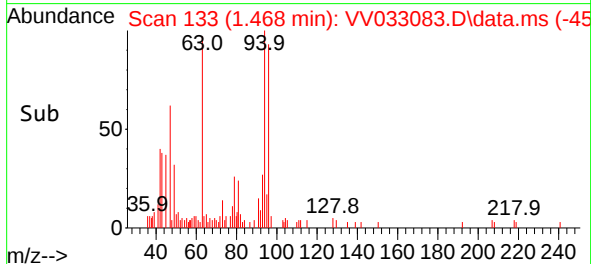
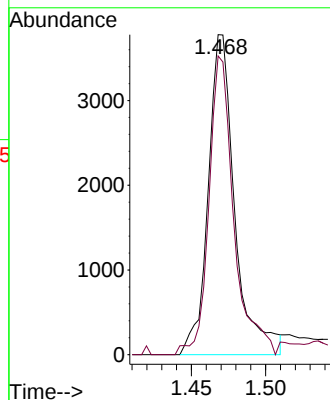
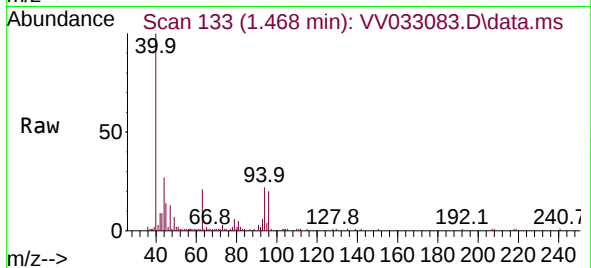




#6  
Bromomethane  
Concen: 3.012 ug/L  
RT: 1.468 min Scan# 11  
Delta R.T. -0.016 min  
Lab File: VV033083.D  
Acq: 01 Dec 2023 16:53

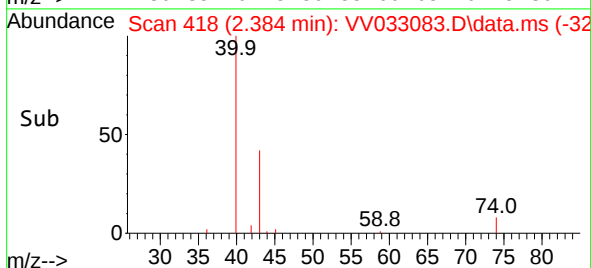
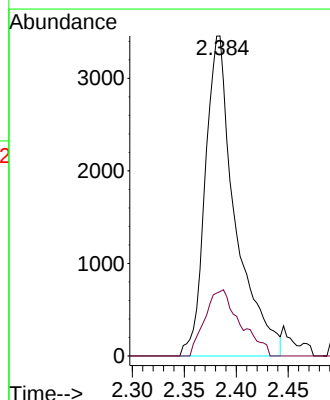
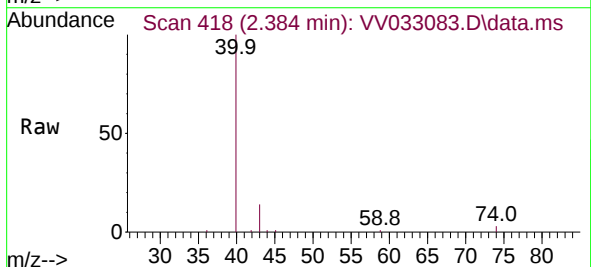
Instrument :  
MSVOA\_V  
ClientSampleId :

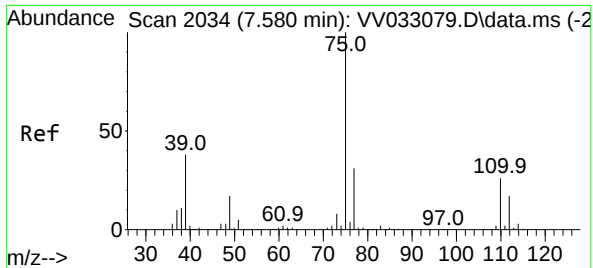
Tgt Ion: 94 Resp: 4716  
Ion Ratio Lower Upper  
94 100  
96 93.3 67.1 124.7



#15  
Methyl Acetate  
Concen: 4.233 ug/L  
RT: 2.384 min Scan# 418  
Delta R.T. 0.016 min  
Lab File: VV033083.D  
Acq: 01 Dec 2023 16:53

Tgt Ion: 43 Resp: 6940  
Ion Ratio Lower Upper  
43 100  
74 20.5 22.6 33.8#

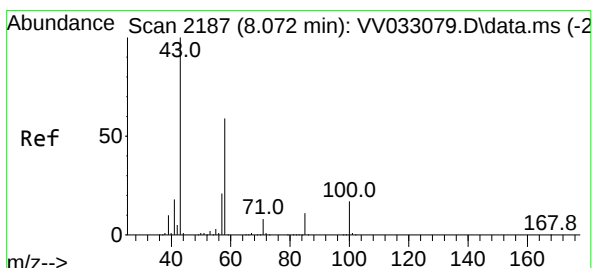
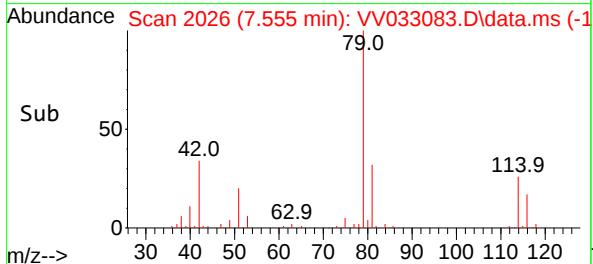
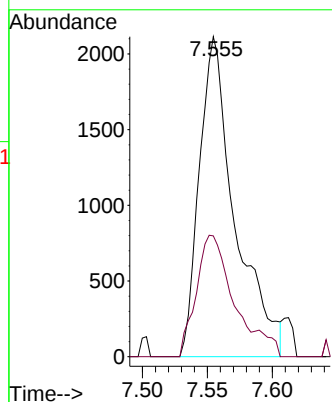
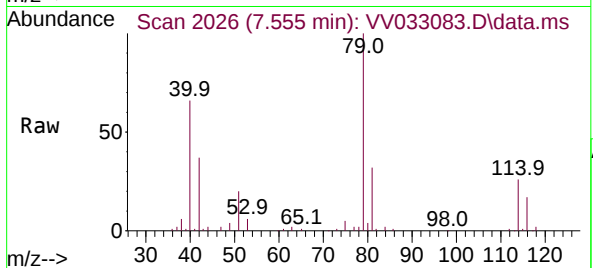




#44  
trans-1,3-Dichloropropene  
Concen: 1.073 ug/L  
RT: 7.555 min Scan# 2034  
Delta R.T. -0.026 min  
Lab File: VV033083.D  
Acq: 01 Dec 2023 16:53

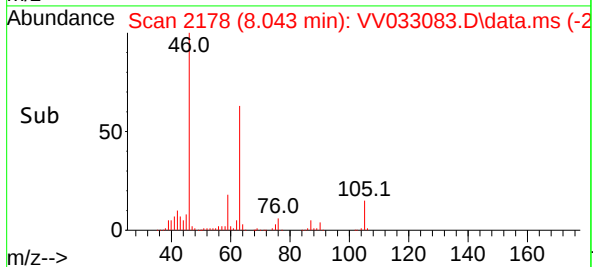
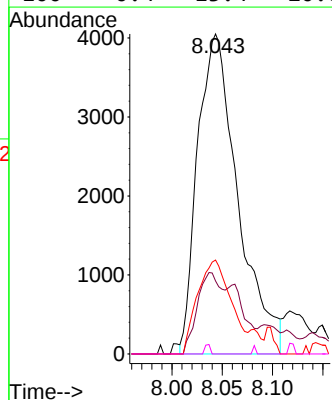
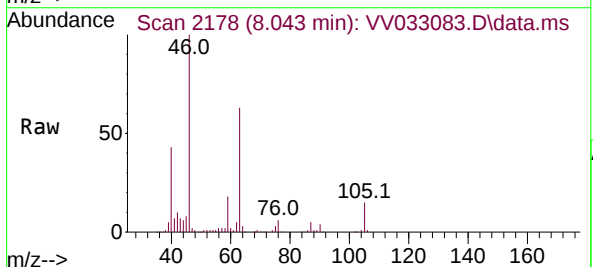
Instrument :  
MSVOA\_V  
ClientSampleId :

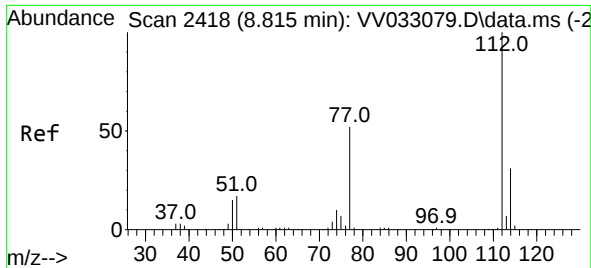
Tgt Ion: 75 Resp: 4035  
Ion Ratio Lower Upper  
75 100  
77 37.7 22.0 41.0



#48  
2-Hexanone  
Concen: 6.260 ug/L  
RT: 8.043 min Scan# 2178  
Delta R.T. -0.029 min  
Lab File: VV033083.D  
Acq: 01 Dec 2023 16:53

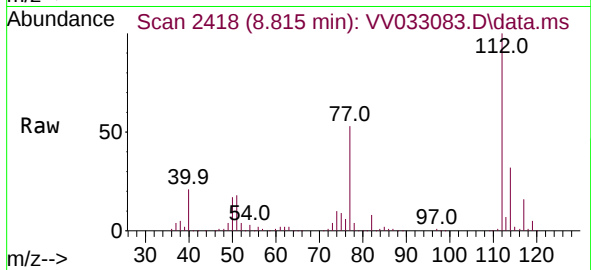
Tgt Ion: 43 Resp: 11297  
Ion Ratio Lower Upper  
43 100  
58 15.9 47.9 71.9#  
57 24.5 17.4 26.0  
100 0.4 13.4 20.0#



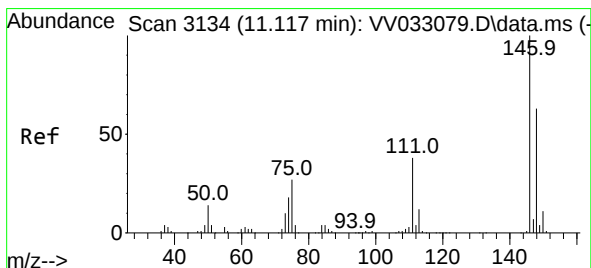
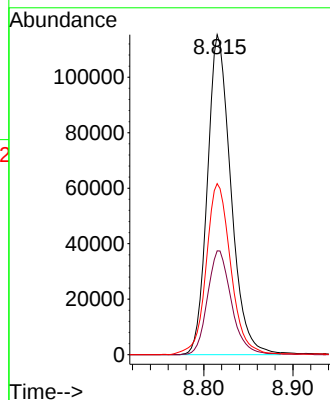
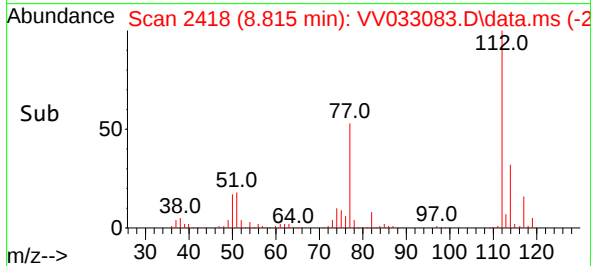


#51  
Chlorobenzene  
Concen: 30.119 ug/L  
RT: 8.815 min Scan# 2418  
Delta R.T. -0.000 min  
Lab File: VV033083.D  
Acq: 01 Dec 2023 16:53

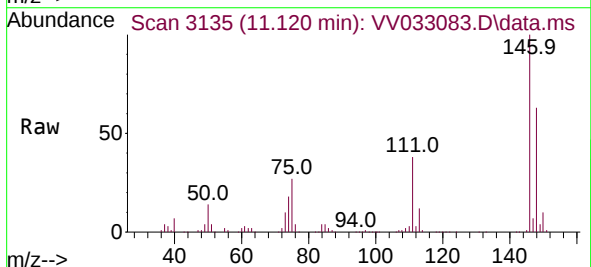
Instrument :  
MSVOA\_V  
ClientSampleId :



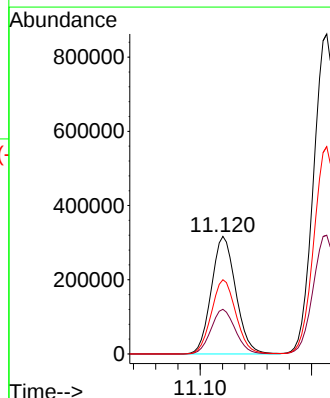
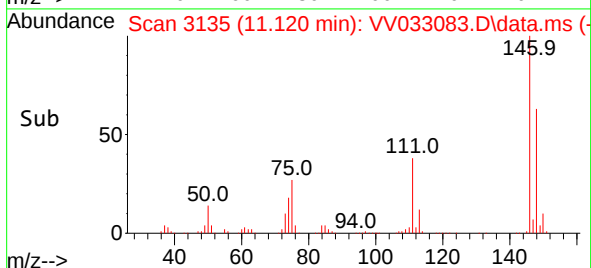
Tgt Ion:112 Resp: 211423  
Ion Ratio Lower Upper  
112 100  
114 32.5 22.9 42.5  
77 53.5 42.6 64.0

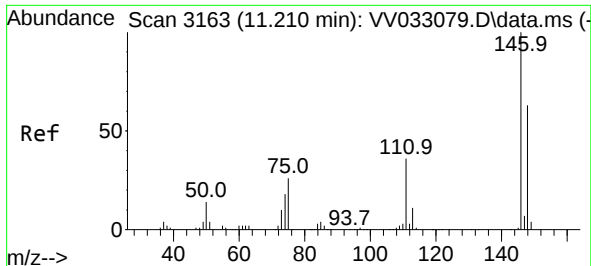


#64  
1,3-Dichlorobenzene  
Concen: 75.867 ug/L  
RT: 11.120 min Scan# 3135  
Delta R.T. 0.003 min  
Lab File: VV033083.D  
Acq: 01 Dec 2023 16:53



Tgt Ion:146 Resp: 482645  
Ion Ratio Lower Upper  
146 100  
111 37.9 26.2 48.6  
148 63.2 44.5 82.7





#65

1,4-Dichlorobenzene

Concen: 196.373 ug/L

RT: 11.214 min Scan# 3163

Delta R.T. 0.003 min

Lab File: VV033083.D

Acq: 01 Dec 2023 16:53

Instrument :

MSVOA\_V

ClientSampleId :

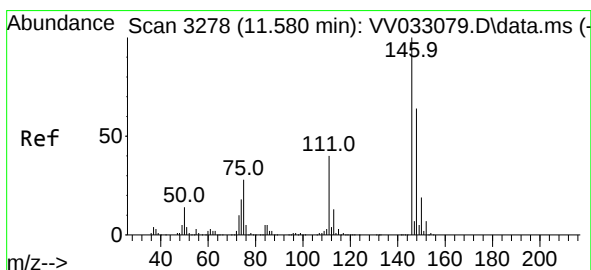
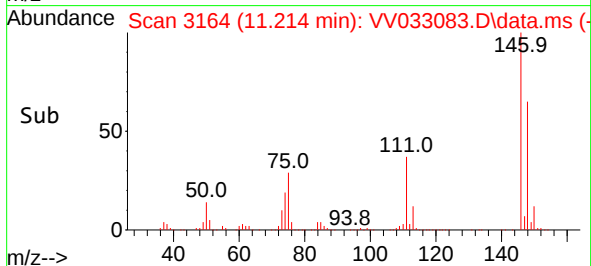
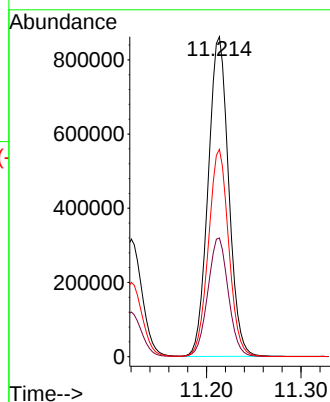
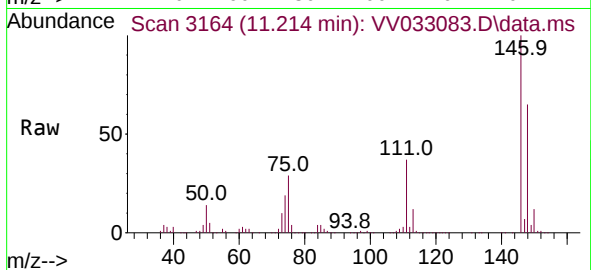
Tgt Ion:146 Resp: 1297705

Ion Ratio Lower Upper

146 100

111 37.1 25.9 48.1

148 64.8 44.9 83.5



#67

1,2-Dichlorobenzene

Concen: 332.701 ug/L

RT: 11.583 min Scan# 3279

Delta R.T. 0.003 min

Lab File: VV033083.D

Acq: 01 Dec 2023 16:53

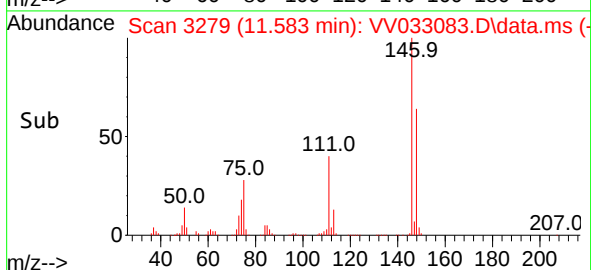
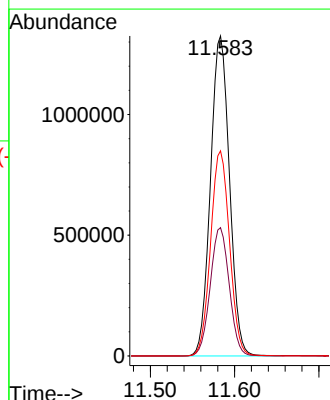
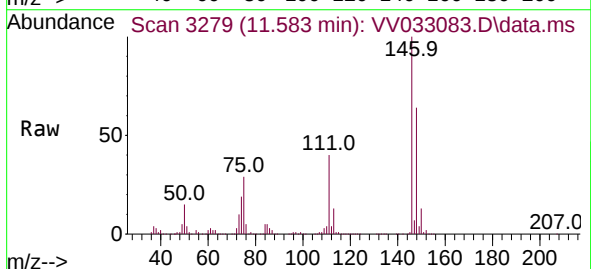
Tgt Ion:146 Resp: 2074978

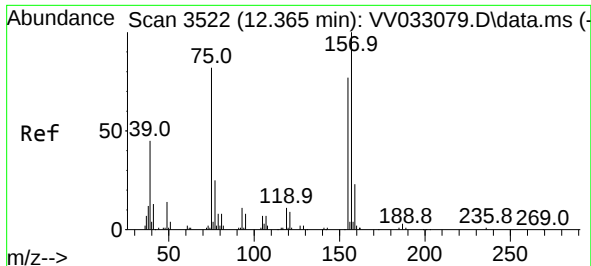
Ion Ratio Lower Upper

146 100

111 40.1 32.4 48.6

148 64.1 51.8 77.8

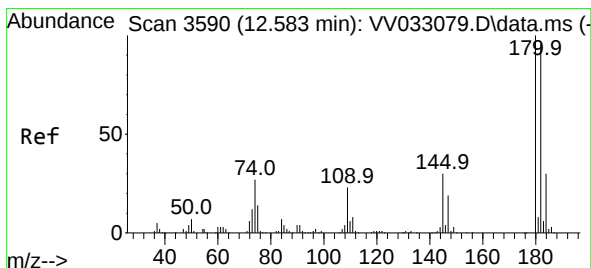
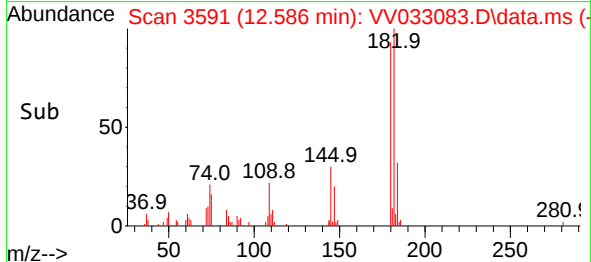
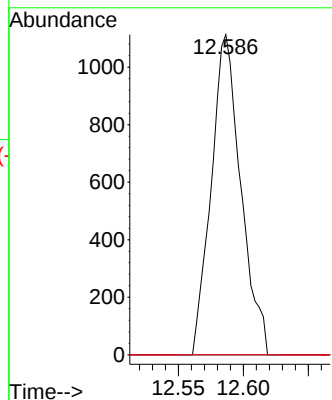
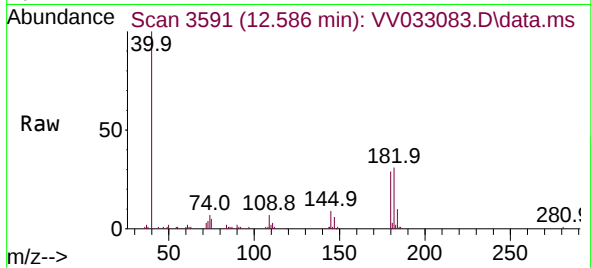




#68  
1,2-Dibromo-3-chloropropane  
Concen: 2.230 ug/L  
RT: 12.586 min Scan# 3591  
Delta R.T. 0.222 min  
Lab File: VV033083.D  
Acq: 01 Dec 2023 16:53

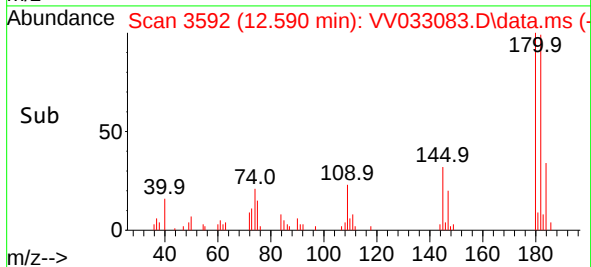
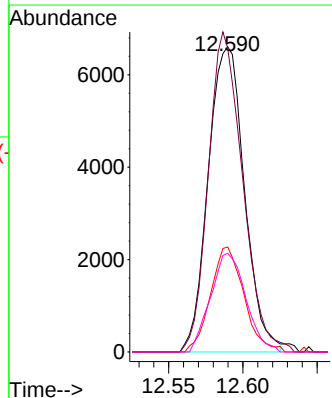
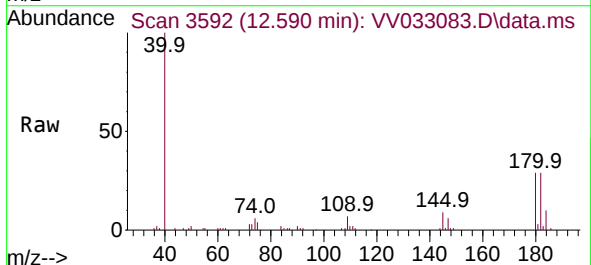
Instrument :  
MSVOA\_V  
ClientSampleId :

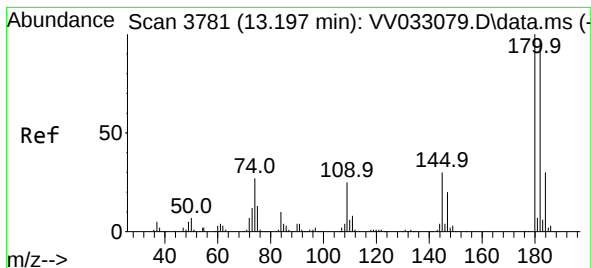
Tgt Ion: 75 Resp: 1762  
Ion Ratio Lower Upper  
75 100  
155 0.0 75.8 113.6#  
157 0.0 95.4 143.0#



#69  
1,3,5-Trichlorobenzene  
Concen: 2.200 ug/L  
RT: 12.590 min Scan# 3592  
Delta R.T. 0.006 min  
Lab File: VV033083.D  
Acq: 01 Dec 2023 16:53

Tgt Ion: 180 Resp: 11210  
Ion Ratio Lower Upper  
180 100  
182 99.1 76.2 114.4  
184 31.5 24.2 36.4  
145 31.5 23.9 35.9





#70

1,2,4-trichlorobenzene

Concen: 180.163 ug/L

RT: 13.201 min Scan# 31

Delta R.T. 0.003 min

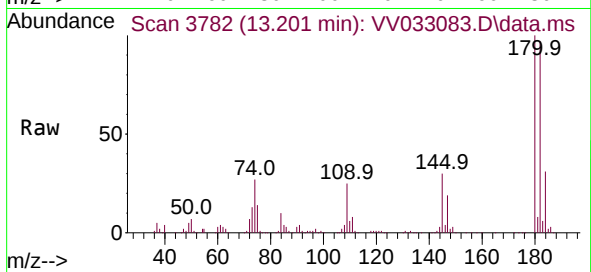
Lab File: VV033083.D

Acq: 01 Dec 2023 16:53

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion:180 Resp: 848196

Ion Ratio Lower Upper

180 100

182 95.7 76.3 114.5

145 30.2 23.4 35.0

