

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW111822\  
 Data File : VW029106.D  
 Acq On : 18 Nov 2022 10:16  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Nov 18 23:32:48 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111122WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Nov 18 04:35:43 2022  
 Response via : Initial Calibration

| Compound                      | R.T. QIon |                | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|-----------|----------------|----------|------------|--------|----------|
| -----                         |           |                |          |            |        |          |
| Internal Standards            |           |                |          |            |        |          |
| 1) 1,4-Difluorobenzene        | 5.612     | 114            | 328753   | 5.000      | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.844     | 117            | 301620   | 5.000      | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.239    | 152            | 158595   | 5.000      | ug/L   | 0.00     |
| System Monitoring Compounds   |           |                |          |            |        |          |
| 4) Vinyl Chloride-d3          | 1.307     | 65             | 123547   | 6.164      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 40 - 130 | Recovery | = 123.200% |        |          |
| 7) Chloroethane-d5            | 1.568     | 69             | 92671    | 5.260      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 65 - 130 | Recovery | = 105.200% |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.108     | 63             | 200475   | 5.489      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 60 - 125 | Recovery | = 109.800% |        |          |
| 20) 2-Butanone-d5             | 3.899     | 46             | 112074   | 33.405     | ug/L   | 0.00     |
| Spiked Amount                 | 50.000    | Range 40 - 130 | Recovery | = 66.800%  |        |          |
| 24) Chloroform-d              | 4.339     | 84             | 197580   | 4.802      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 125 | Recovery | = 96.000%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.027     | 65             | 86348    | 4.664      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 130 | Recovery | = 93.200%  |        |          |
| 32) Benzene-d6                | 5.043     | 84             | 430369   | 4.780      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 125 | Recovery | = 95.600%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.063     | 67             | 118381   | 4.709      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 60 - 140 | Recovery | = 94.200%  |        |          |
| 41) Toluene-d8                | 7.310     | 98             | 402984   | 4.972      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 130 | Recovery | = 99.400%  |        |          |
| 43) trans-1,3-Dichloroprop... | 7.619     | 79             | 38430    | 4.687      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 55 - 130 | Recovery | = 93.800%  |        |          |
| 46) 2-Hexanone-d5             | 8.085     | 63             | 168183   | 48.055     | ug/L   | 0.00     |
| Spiked Amount                 | 50.000    | Range 45 - 130 | Recovery | = 96.100%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.207    | 84             | 86794    | 4.980      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 65 - 120 | Recovery | = 99.600%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.615    | 152            | 137502   | 4.846      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 80 - 120 | Recovery | = 97.000%  |        |          |
| Target Compounds              |           |                |          |            |        |          |
|                               |           |                |          |            |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.130     | 85             | 127345   | 4.647      | ug/L   | 97       |
| 3) Chloromethane              | 1.240     | 50             | 111196   | 4.889      | ug/L   | 99       |
| 5) Vinyl chloride             | 1.310     | 62             | 123120   | 4.746      | ug/L   | 96       |
| 6) Bromomethane               | 1.523     | 94             | 67917    | 4.380      | ug/L   | 93       |
| 8) Chloroethane               | 1.584     | 64             | 75764    | 4.970      | ug/L   | 92       |
| 9) Trichlorofluoromethane     | 1.754     | 101            | 172461   | 4.930      | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.117     | 101            | 102342   | 5.167      | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.117     | 96             | 98857    | 4.967      | ug/L   | 92       |
| 13) Acetone                   | 2.185     | 43             | 55443    | 25.690     | ug/L   | 85       |
| 14) Carbon disulfide          | 2.294     | 76             | 302070   | 4.274      | ug/L   | 100      |
| 15) Methyl Acetate            | 2.439     | 43             | 23221    | 4.433      | ug/L   | 89       |
| 16) Methylene chloride        | 2.503     | 84             | 113253   | 4.401      | ug/L   | 98       |
| 17) Methyl tert-butyl Ether   | 2.764     | 73             | 200718   | 4.704      | ug/L   | 98       |
| 18) trans-1,2-Dichloroethene  | 2.757     | 96             | 109130   | 4.728      | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.185     | 63             | 190205   | 5.041      | ug/L   | 98       |
| 21) 2-Butanone                | 3.982     | 43             | 122198   | 36.572     | ug/L   | 97       |
| 22) cis-1,2-Dichloroethene    | 3.905     | 96             | 114966   | 4.899      | ug/L   | 98       |
| 23) Bromochloromethane        | 4.243     | 128            | 47386    | 4.775      | ug/L # | 89       |
| 25) Chloroform                | 4.368     | 83             | 194853   | 4.926      | ug/L   | 94       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV111822\  
 Data File : VV029106.D  
 Acq On : 18 Nov 2022 10:16  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Nov 18 23:32:48 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111122WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Nov 18 04:35:43 2022  
 Response via : Initial Calibration

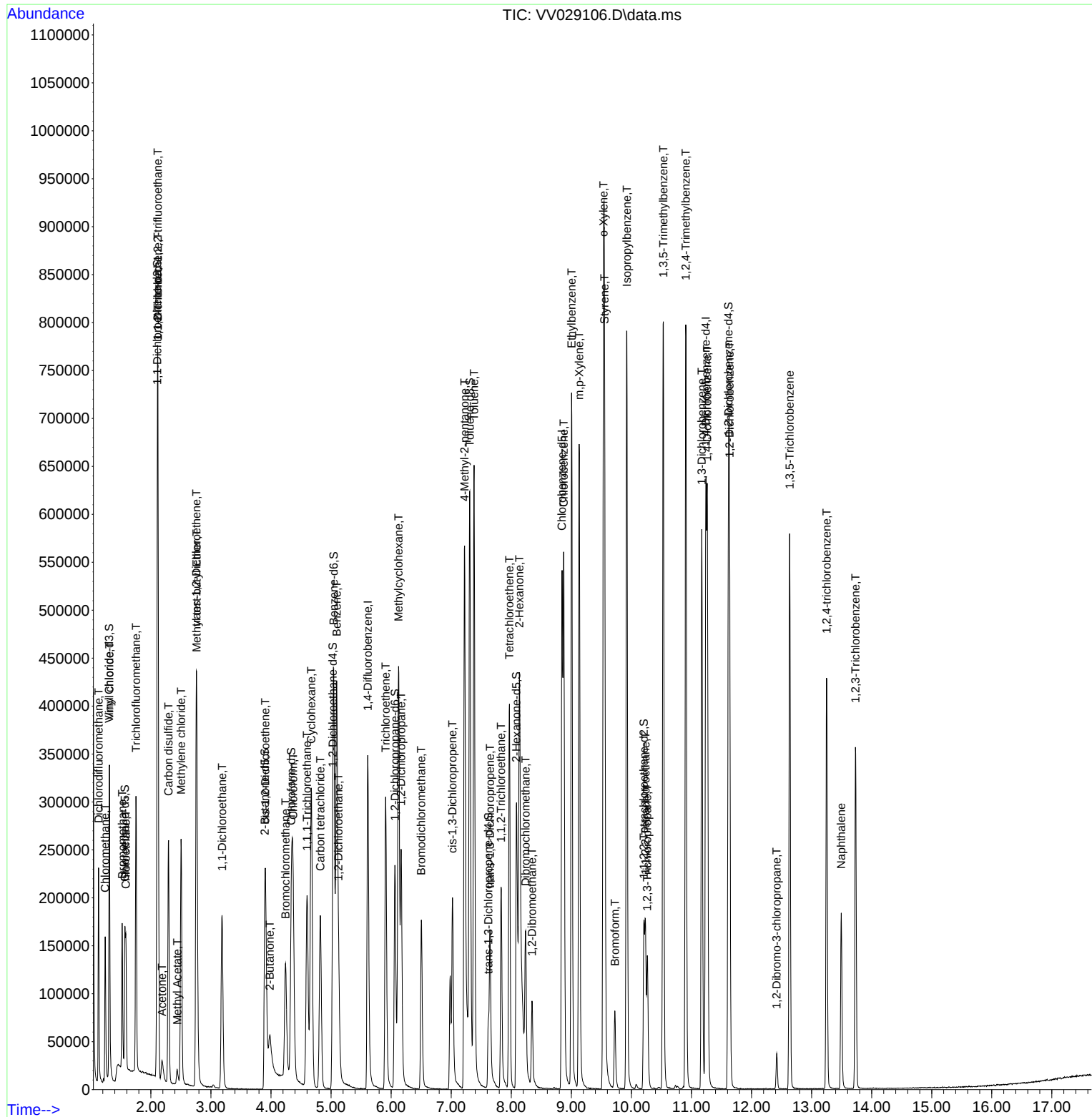
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.124  | 62   | 101906   | 5.002  | ug/L   | 98       |
| 29) 1,1,1-Trichloroethane     | 4.600  | 97   | 165425   | 4.674  | ug/L   | 99       |
| 30) Cyclohexane               | 4.670  | 56   | 172919   | 4.807  | ug/L   | 98       |
| 31) Carbon tetrachloride      | 4.821  | 117  | 140063   | 4.595  | ug/L   | 99       |
| 33) Benzene                   | 5.095  | 78   | 444588   | 4.824  | ug/L   | 100      |
| 34) Trichloroethene           | 5.908  | 95   | 113068   | 4.792  | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.124  | 83   | 191916   | 4.628  | ug/L   | 96       |
| 37) 1,2-Dichloropropane       | 6.169  | 63   | 102007   | 4.799  | ug/L   | 99       |
| 38) Bromodichloromethane      | 6.503  | 83   | 126565   | 4.702  | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 7.021  | 75   | 132620   | 4.469  | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 7.223  | 43   | 508032   | 55.555 | ug/L # | 88       |
| 42) Toluene                   | 7.381  | 91   | 487156   | 4.892  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 7.648  | 75   | 105417   | 4.576  | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 7.831  | 97   | 73215    | 5.262  | ug/L   | 98       |
| 47) Tetrachloroethene         | 7.969  | 164  | 93229    | 4.934  | ug/L   | 98       |
| 48) 2-Hexanone                | 8.136  | 43   | 355790   | 55.542 | ug/L   | 98       |
| 49) Dibromochloromethane      | 8.239  | 129  | 79734    | 4.740  | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 8.345  | 107  | 67237    | 5.202  | ug/L   | 99       |
| 51) Chlorobenzene             | 8.873  | 112  | 307601   | 4.996  | ug/L   | 99       |
| 52) Ethylbenzene              | 9.005  | 91   | 519867   | 5.015  | ug/L   | 98       |
| 53) m,p-Xylene                | 9.130  | 106  | 203605   | 4.938  | ug/L   | 97       |
| 54) o-Xylene                  | 9.535  | 106  | 199068   | 5.079  | ug/L   | 99       |
| 55) Styrene                   | 9.554  | 104  | 336368   | 5.117  | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.233 | 83   | 86071    | 5.307  | ug/L   | 96       |
| 59) Bromoform                 | 9.725  | 173  | 39857    | 4.610  | ug/L   | 99       |
| 60) Isopropylbenzene          | 9.924  | 105  | 533253   | 5.180  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.265 | 75   | 59133    | 5.456  | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.532 | 105  | 444608   | 5.098  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.905 | 105  | 440722   | 5.045  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.172 | 146  | 245596   | 5.078  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.265 | 146  | 244985   | 5.038  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 11.635 | 146  | 224892   | 5.175  | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.419 | 75   | 9096     | 4.266  | ug/L   | 85       |
| 69) 1,3,5-Trichlorobenzene    | 12.635 | 180  | 186828   | 5.007  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.249 | 180  | 136146   | 4.824  | ug/L   | 99       |
| 71) Naphthalene               | 13.493 | 128  | 152387   | 4.184  | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 13.731 | 180  | 113435   | 4.745  | ug/L   | 99       |

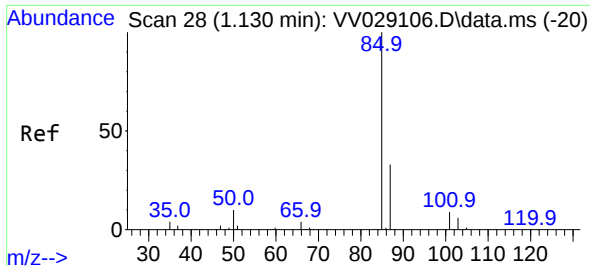
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV111822\  
 Data File : VV029106.D  
 Acq On : 18 Nov 2022 10:16  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Nov 18 23:32:48 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111122WMA.M  
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 Response via : Initial Calibration

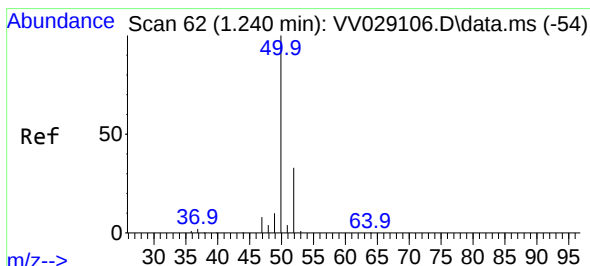
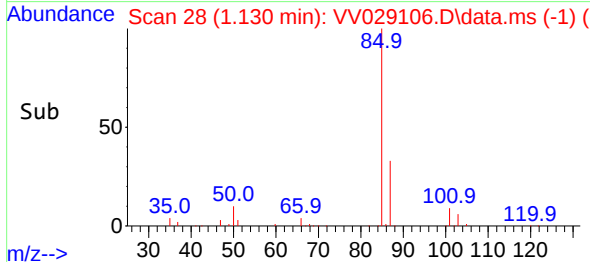
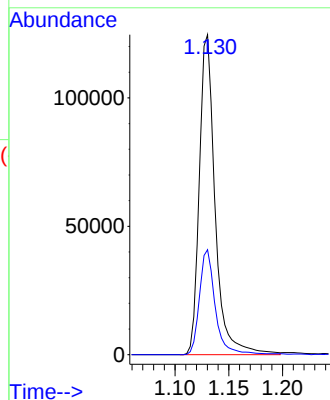
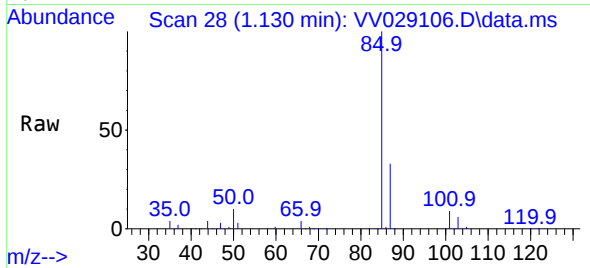




#2  
Dichlorodifluoromethane  
Concen: 4.647 ug/L  
RT: 1.130 min Scan# 28  
Delta R.T. -0.000 min  
Lab File: VV029106.D  
Acq: 18 Nov 2022 10:16

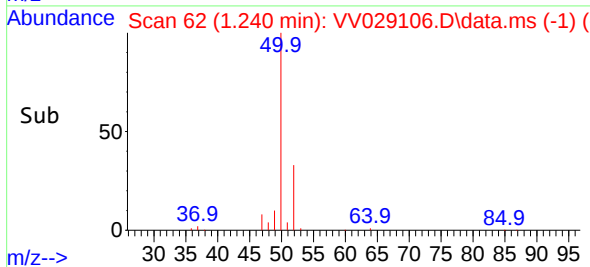
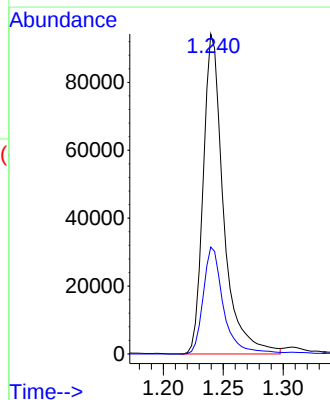
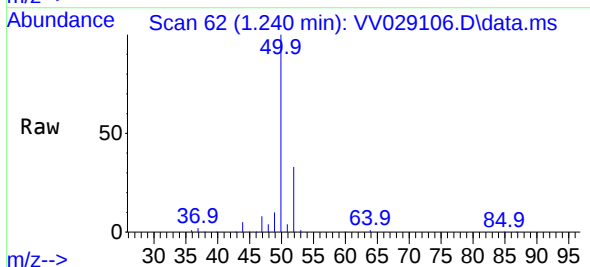
Instrument : MSVOA\_V  
ClientSampleId :

Tgt Ion: 85 Resp: 127345  
Ion Ratio Lower Upper  
85 100  
87 33.0 25.0 37.4

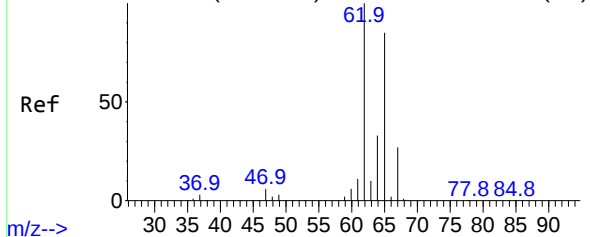


#3  
Chloromethane  
Concen: 4.889 ug/L  
RT: 1.240 min Scan# 62  
Delta R.T. -0.000 min  
Lab File: VV029106.D  
Acq: 18 Nov 2022 10:16

Tgt Ion: 50 Resp: 111196  
Ion Ratio Lower Upper  
50 100  
52 33.4 23.7 43.9



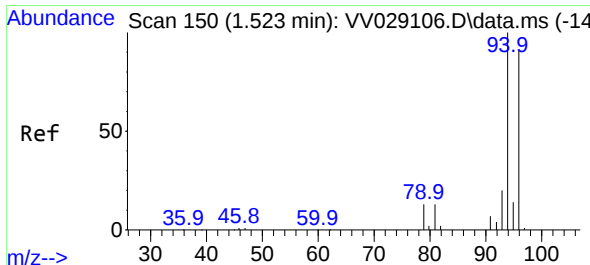
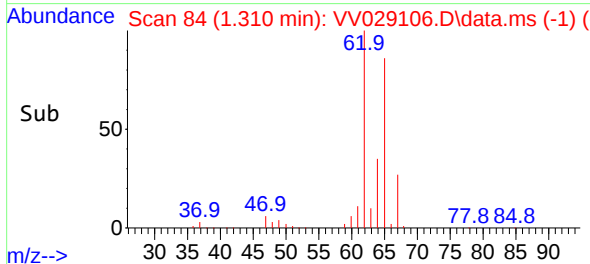
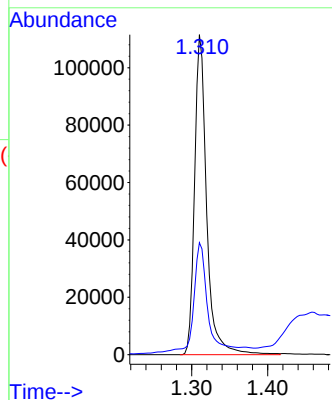
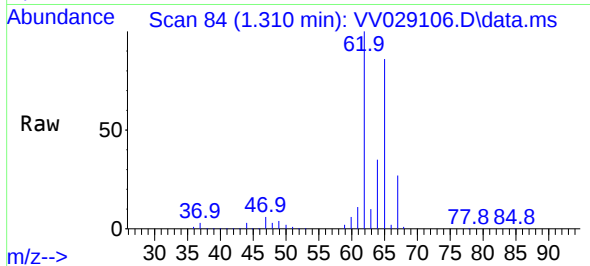
Abundance Scan 84 (1.310 min): VV029106.D\data.ms (-76)



#5  
Vinyl chloride  
Concen: 4.746 ug/L  
RT: 1.310 min Scan# 84  
Delta R.T. -0.000 min  
Lab File: VV029106.D  
Acq: 18 Nov 2022 10:16

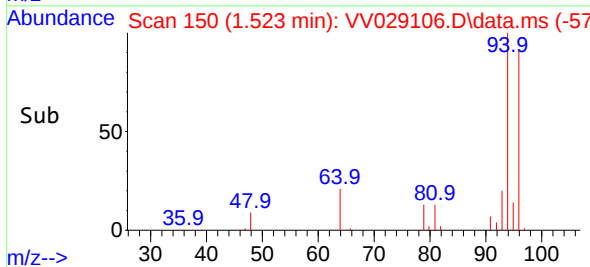
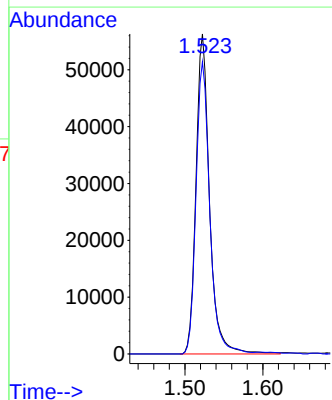
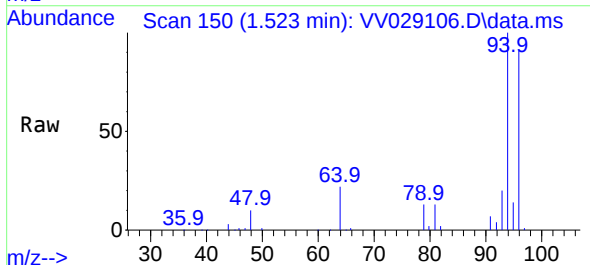
Instrument :  
MSVOA\_V  
ClientSampleId :

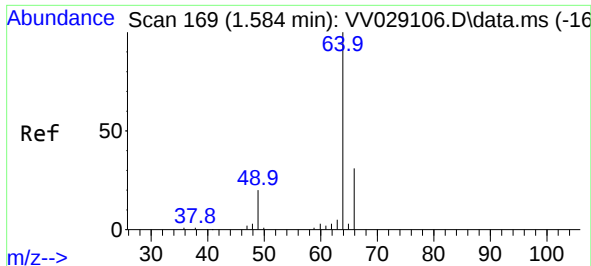
Tgt Ion: 62 Resp: 123120  
Ion Ratio Lower Upper  
62 100  
64 35.0 22.8 42.4



#6  
Bromomethane  
Concen: 4.380 ug/L  
RT: 1.523 min Scan# 150  
Delta R.T. -0.000 min  
Lab File: VV029106.D  
Acq: 18 Nov 2022 10:16

Tgt Ion: 94 Resp: 67917  
Ion Ratio Lower Upper  
94 100  
96 91.3 68.5 127.3

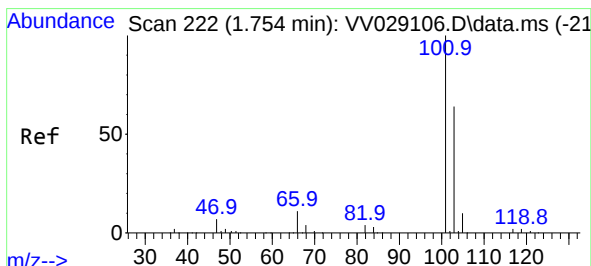
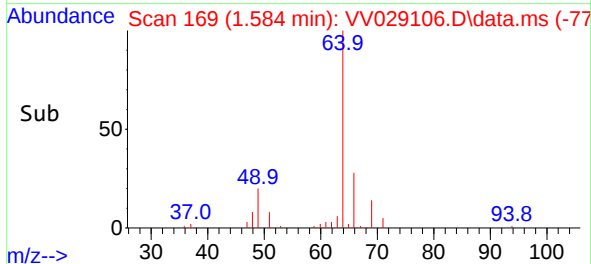
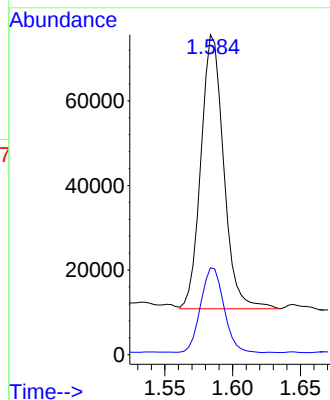
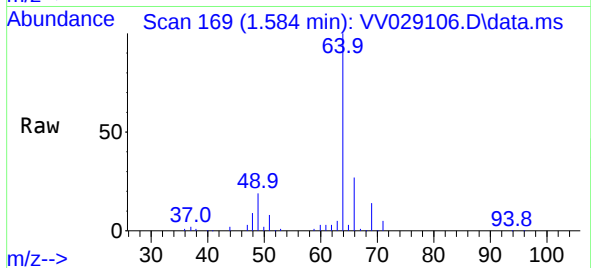




#8  
Chloroethane  
Concen: 4.970 ug/L  
RT: 1.584 min Scan# 169  
Delta R.T. -0.003 min  
Lab File: VV029106.D  
Acq: 18 Nov 2022 10:16

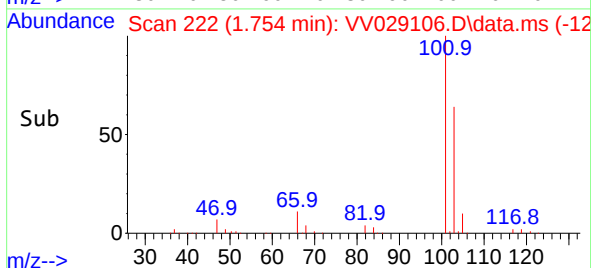
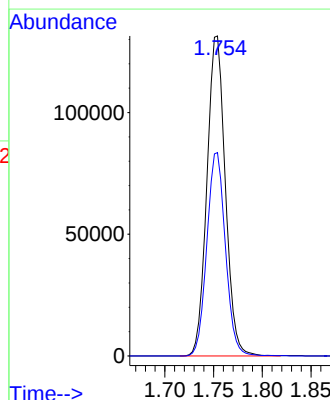
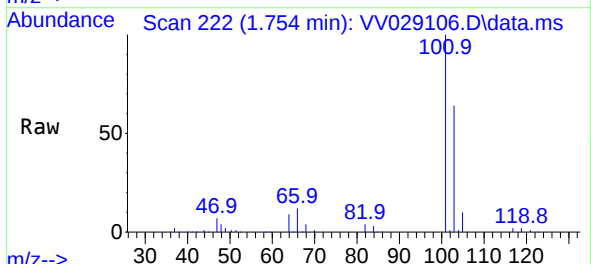
Instrument :  
MSVOA\_V  
ClientSampleId :

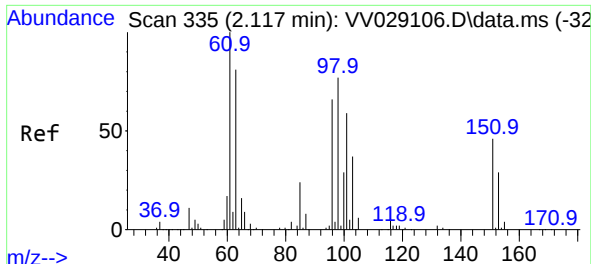
Tgt Ion: 64 Resp: 75764  
Ion Ratio Lower Upper  
64 100  
66 27.1 22.0 40.8



#9  
Trichlorofluoromethane  
Concen: 4.930 ug/L  
RT: 1.754 min Scan# 222  
Delta R.T. -0.000 min  
Lab File: VV029106.D  
Acq: 18 Nov 2022 10:16

Tgt Ion:101 Resp: 172461  
Ion Ratio Lower Upper  
101 100  
103 64.2 51.3 76.9

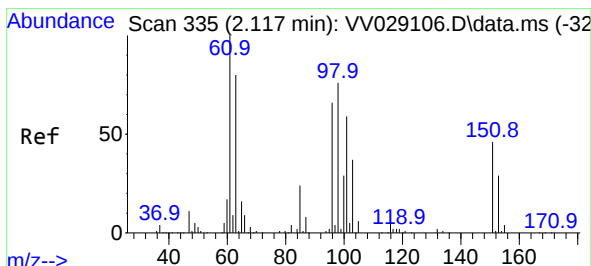
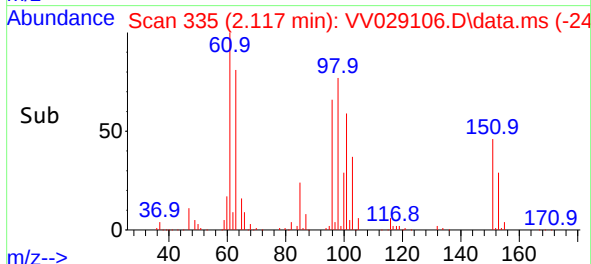
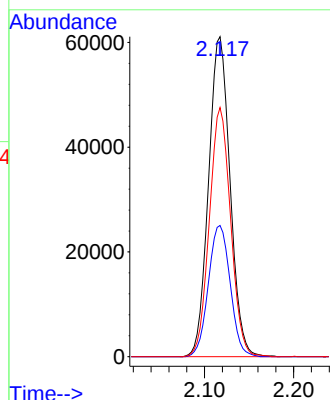
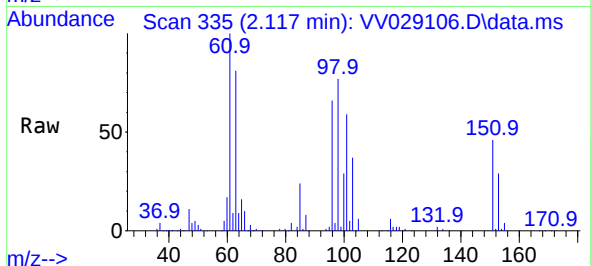




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 5.167 ug/L  
 RT: 2.117 min Scan# 335  
 Delta R.T. -0.000 min  
 Lab File: VV029106.D  
 Acq: 18 Nov 2022 10:16

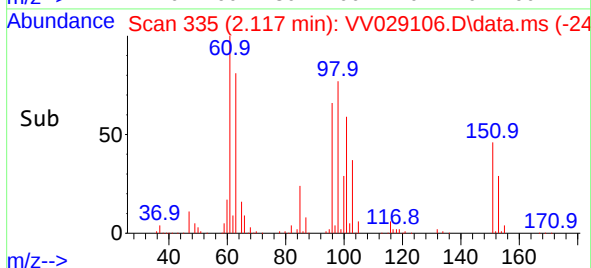
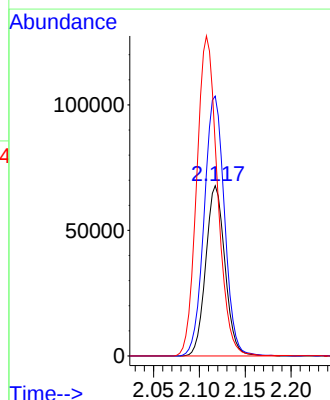
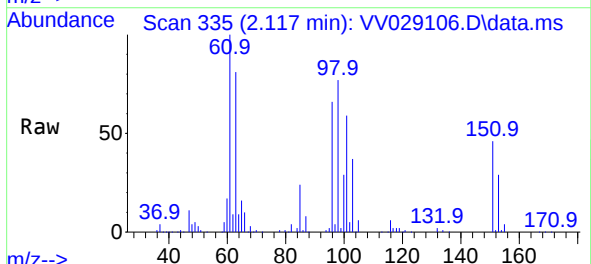
Instrument :  
 MSVOA\_V  
 ClientSampleId :

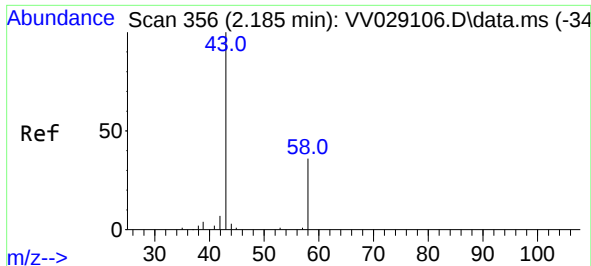
Tgt Ion:101 Resp: 102342  
 Ion Ratio Lower Upper  
 101 100  
 85 41.6 32.9 49.3  
 151 77.0 62.5 93.7



#12  
 1,1-Dichloroethene  
 Concen: 4.967 ug/L  
 RT: 2.117 min Scan# 335  
 Delta R.T. -0.003 min  
 Lab File: VV029106.D  
 Acq: 18 Nov 2022 10:16

Tgt Ion: 96 Resp: 98857  
 Ion Ratio Lower Upper  
 96 100  
 61 152.5 104.2 193.4  
 63 124.0 75.9 140.9





#13

Acetone

Concen: 25.690 ug/L

RT: 2.185 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV029106.D

Acq: 18 Nov 2022 10:16

Instrument :

MSVOA\_V

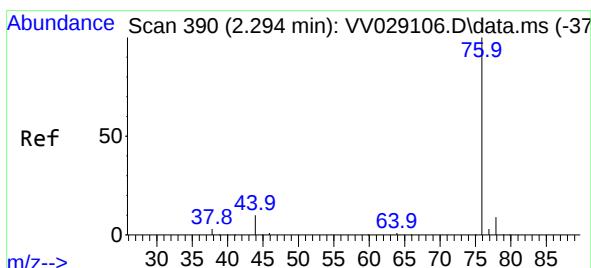
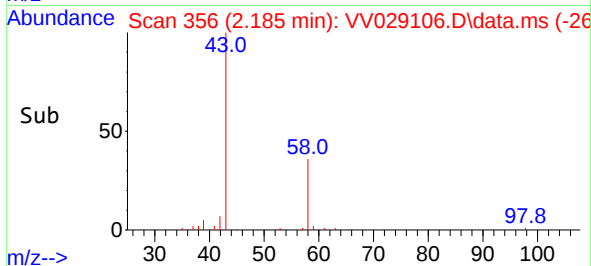
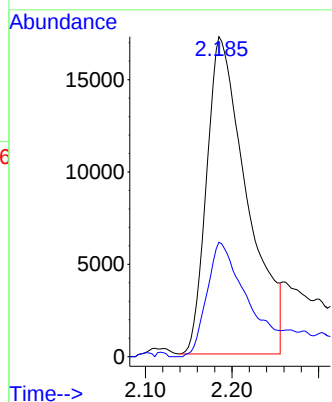
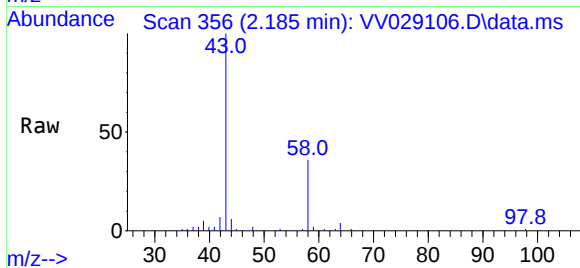
ClientSampleId :

Tgt Ion: 43 Resp: 55443

Ion Ratio Lower Upper

43 100

58 36.3 0.0 56.6



#14

Carbon disulfide

Concen: 4.274 ug/L

RT: 2.294 min Scan# 390

Delta R.T. -0.000 min

Lab File: VV029106.D

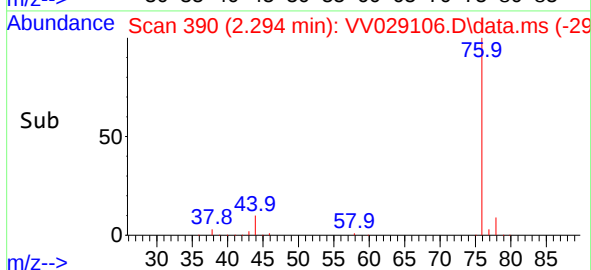
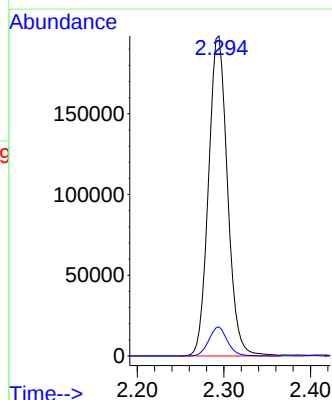
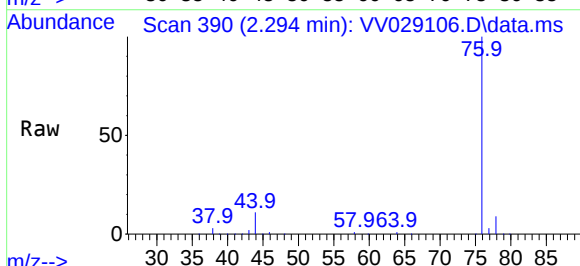
Acq: 18 Nov 2022 10:16

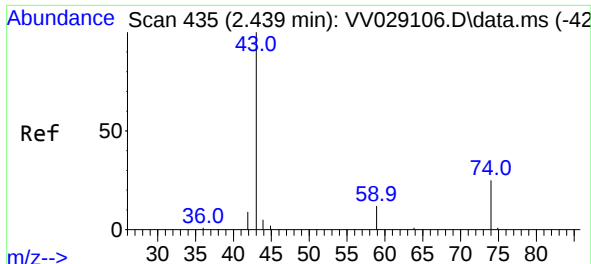
Tgt Ion: 76 Resp: 302070

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2





#15

Methyl Acetate

Concen: 4.433 ug/L

RT: 2.439 min Scan# 435

Delta R.T. -0.000 min

Lab File: VV029106.D

Acq: 18 Nov 2022 10:16

Instrument :

MSVOA\_V

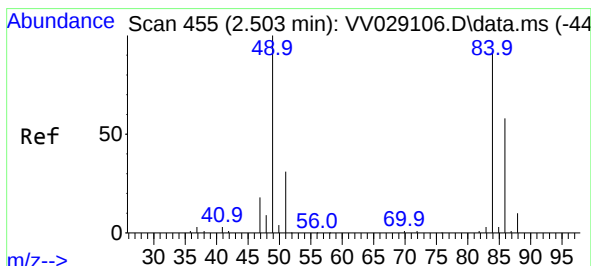
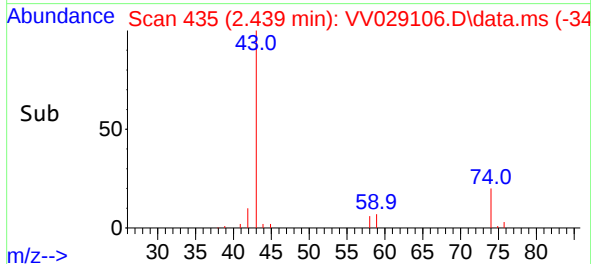
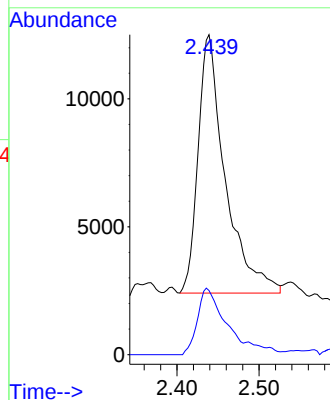
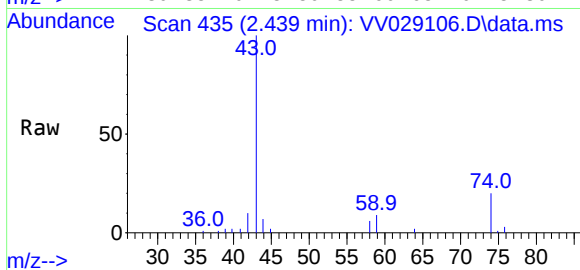
ClientSampleId :

Tgt Ion: 43 Resp: 23221

Ion Ratio Lower Upper

43 100

74 25.0 24.6 37.0



#16

Methylene chloride

Concen: 4.401 ug/L

RT: 2.503 min Scan# 455

Delta R.T. -0.003 min

Lab File: VV029106.D

Acq: 18 Nov 2022 10:16

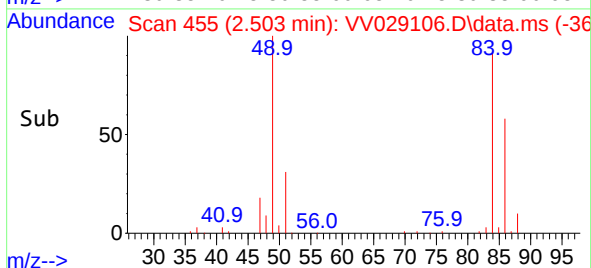
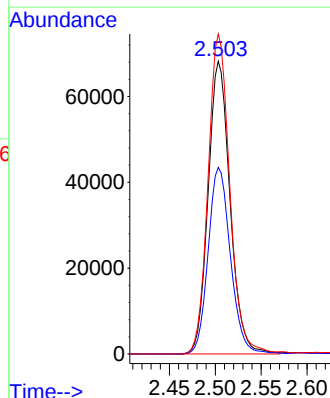
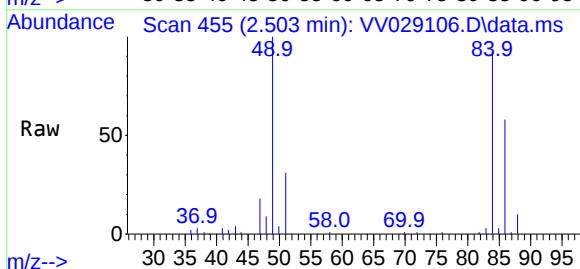
Tgt Ion: 84 Resp: 113253

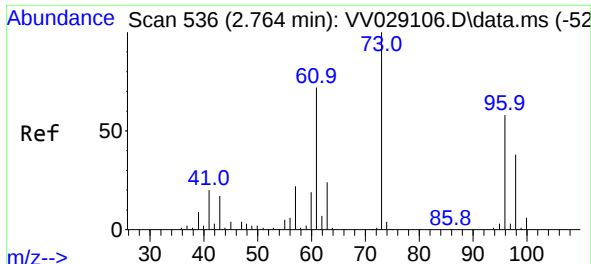
Ion Ratio Lower Upper

84 100

86 63.7 45.8 85.0

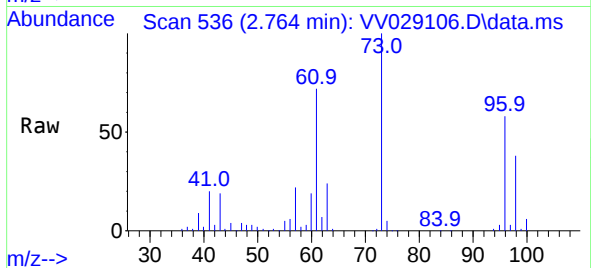
49 109.3 75.5 140.1



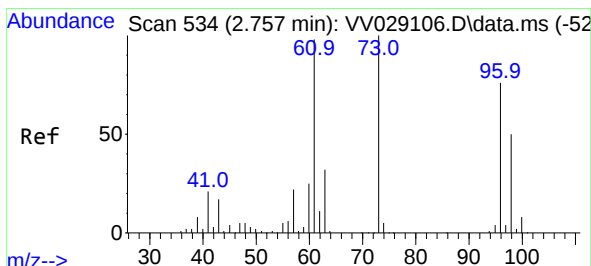
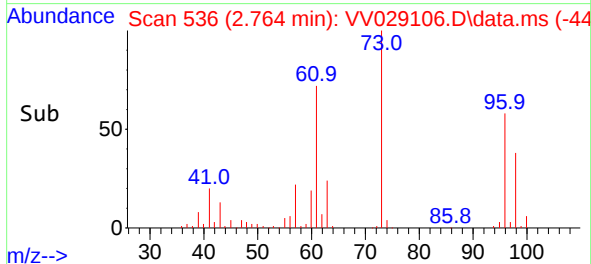
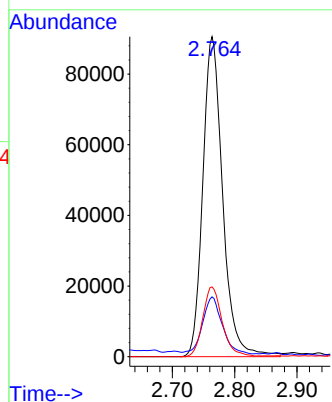


#17  
Methyl tert-butyl Ether  
Concen: 4.704 ug/L  
RT: 2.764 min Scan# 51  
Delta R.T. -0.003 min  
Lab File: VV029106.D  
Acq: 18 Nov 2022 10:16

Instrument :  
MSVOA\_V  
ClientSampleId :

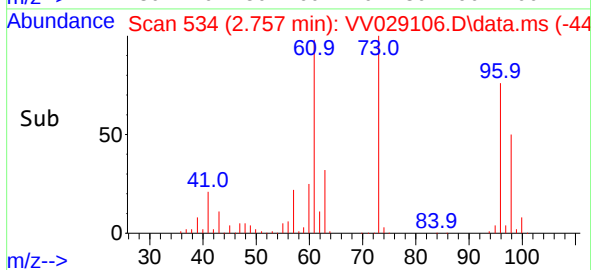
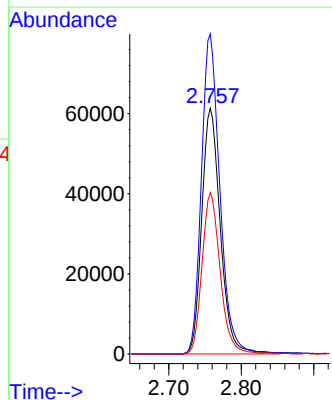
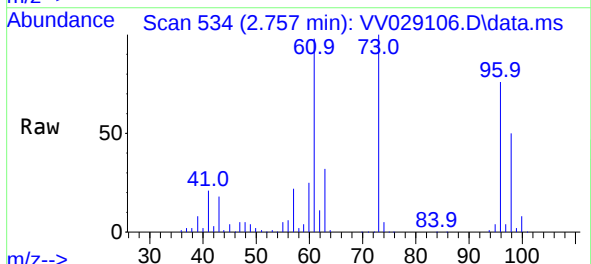


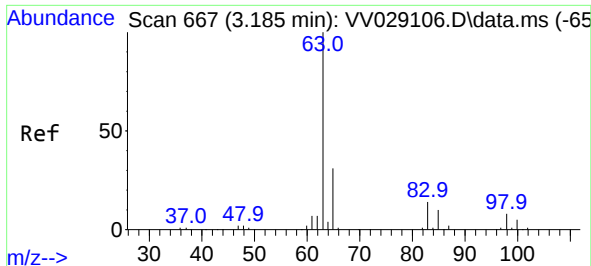
Tgt Ion: 73 Resp: 200718  
Ion Ratio Lower Upper  
73 100  
43 17.5 13.0 19.4  
57 21.4 16.6 24.8



#18  
trans-1,2-Dichloroethene  
Concen: 4.728 ug/L  
RT: 2.757 min Scan# 534  
Delta R.T. -0.003 min  
Lab File: VV029106.D  
Acq: 18 Nov 2022 10:16

Tgt Ion: 96 Resp: 109130  
Ion Ratio Lower Upper  
96 100  
61 130.1 91.8 170.6  
98 65.7 46.4 86.2

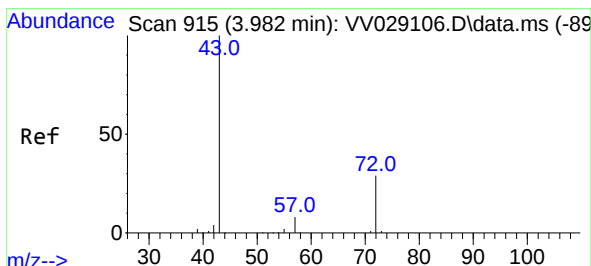
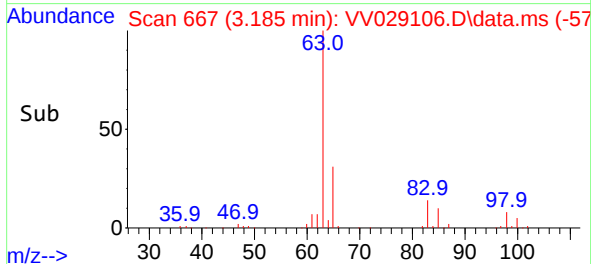
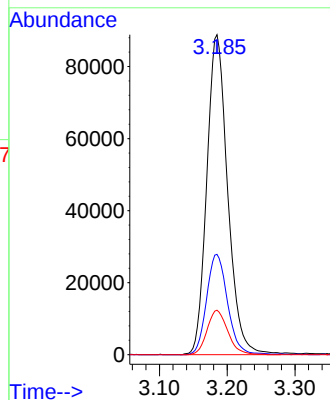
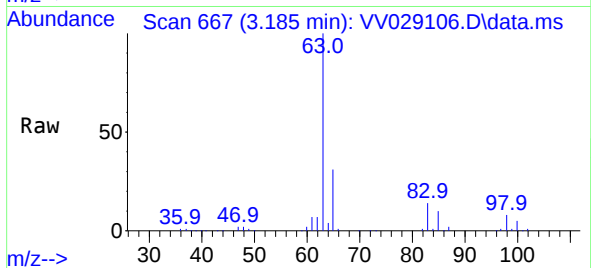




#19  
1,1-Dichloroethane  
Concen: 5.041 ug/L  
RT: 3.185 min Scan# 667  
Delta R.T. -0.003 min  
Lab File: VV029106.D  
Acq: 18 Nov 2022 10:16

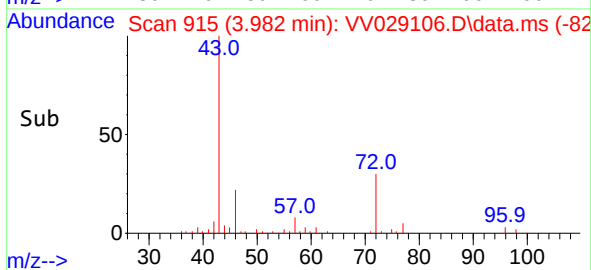
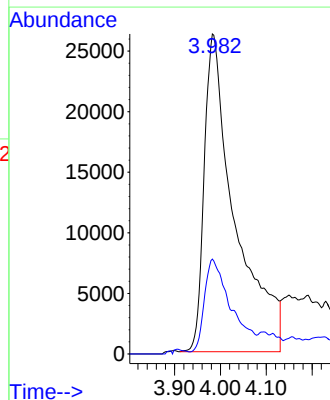
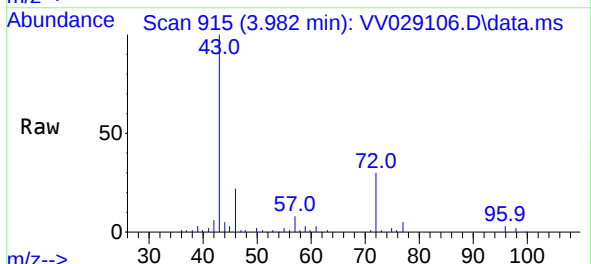
Instrument :  
MSVOA\_V  
ClientSampleId :

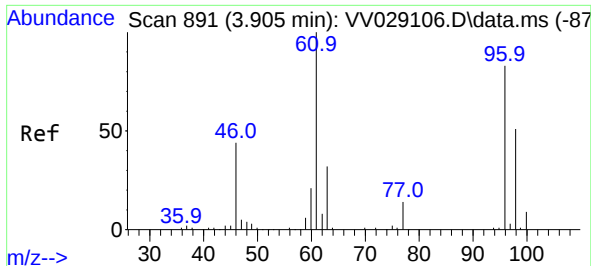
Tgt Ion: 63 Resp: 190205  
Ion Ratio Lower Upper  
63 100  
65 31.4 23.0 42.6  
83 13.9 9.4 17.6



#21  
2-Butanone  
Concen: 36.572 ug/L  
RT: 3.982 min Scan# 915  
Delta R.T. -0.003 min  
Lab File: VV029106.D  
Acq: 18 Nov 2022 10:16

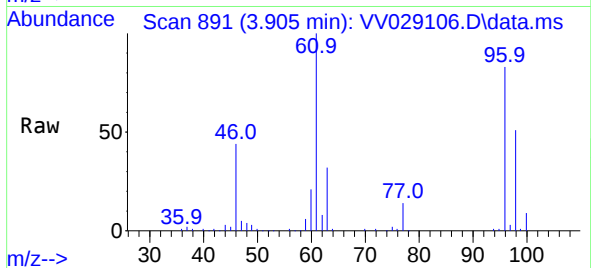
Tgt Ion: 43 Resp: 122198  
Ion Ratio Lower Upper  
43 100  
72 25.4 11.9 35.9





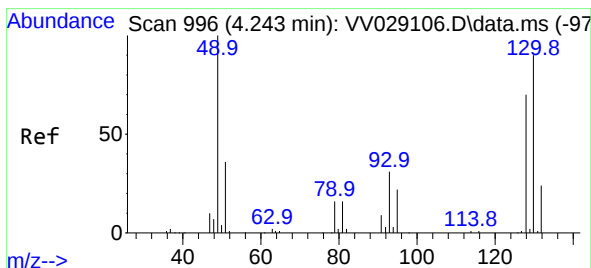
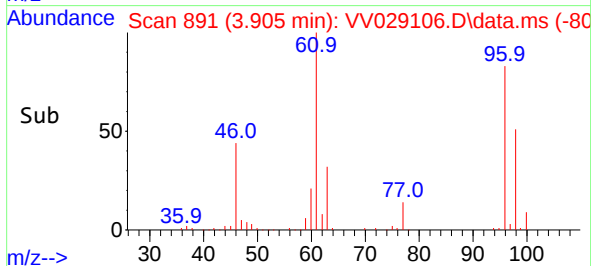
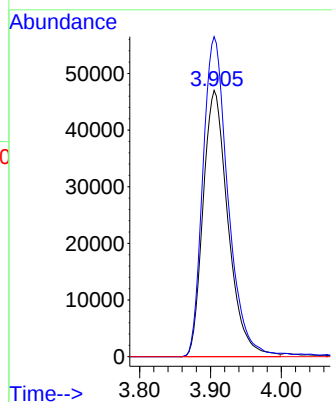
#22  
 cis-1,2-Dichloroethene  
 Concen: 4.899 ug/L  
 RT: 3.905 min Scan# 891  
 Delta R.T. -0.007 min  
 Lab File: VV029106.D  
 Acq: 18 Nov 2022 10:16

Instrument :  
 MSVOA\_V  
 ClientSampleId :



Tgt Ion: 96 Resp: 114966  

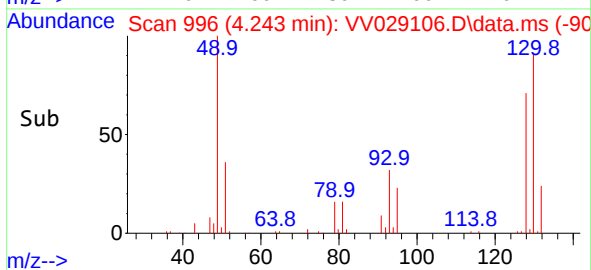
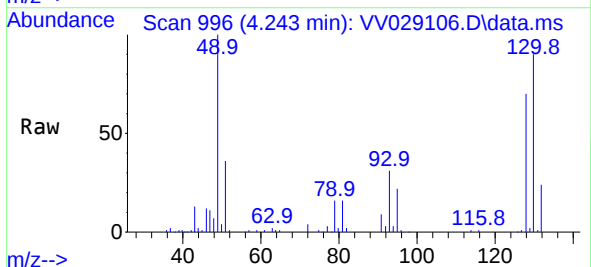
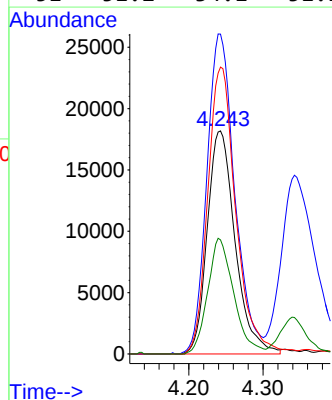
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 120.2 | 82.3  | 152.9 |
| 68  | 0.0   | 0.0   | 0.0   |

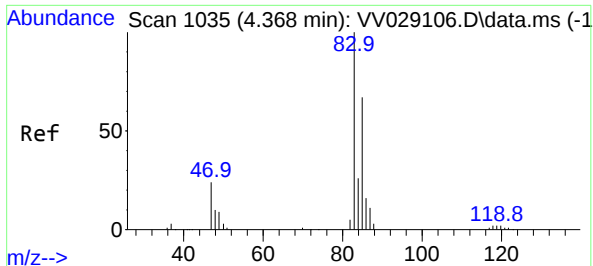


#23  
 Bromochloromethane  
 Concen: 4.775 ug/L  
 RT: 4.243 min Scan# 996  
 Delta R.T. -0.003 min  
 Lab File: VV029106.D  
 Acq: 18 Nov 2022 10:16

Tgt Ion: 128 Resp: 47386  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 49  | 143.4 | 89.5  | 166.1 |
| 130 | 128.6 | 84.4  | 156.8 |
| 51  | 51.2  | 34.1  | 51.1  |

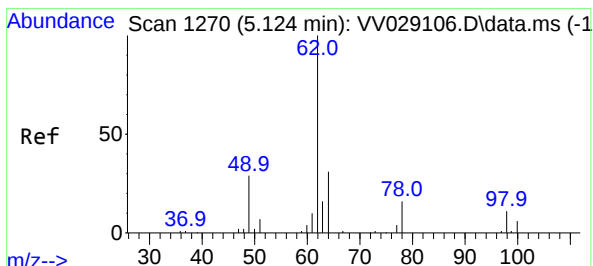
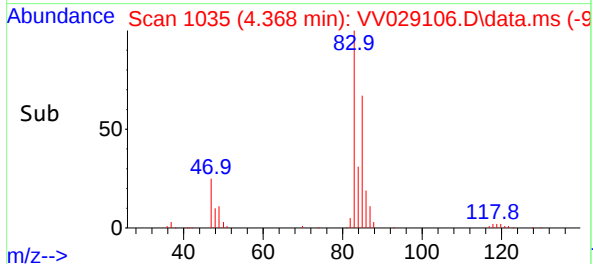
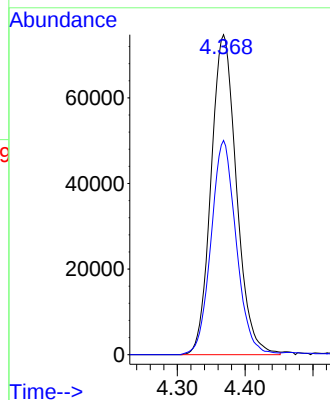
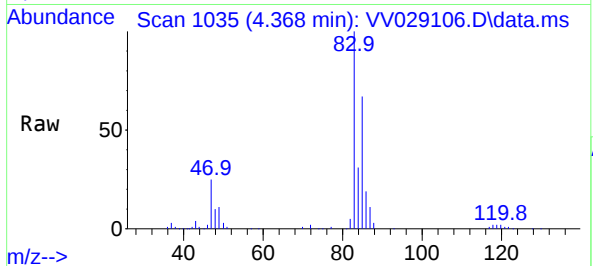




#25  
Chloroform  
Concen: 4.926 ug/L  
RT: 4.368 min Scan# 1035  
Delta R.T. -0.007 min  
Lab File: VV029106.D  
Acq: 18 Nov 2022 10:16

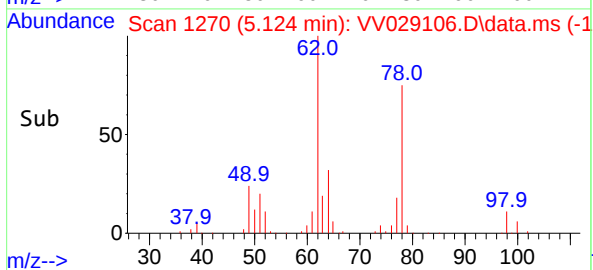
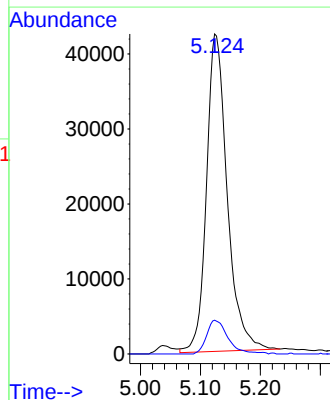
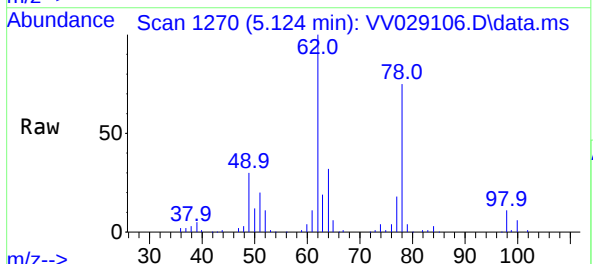
Instrument :  
MSVOA\_V  
ClientSampleId :

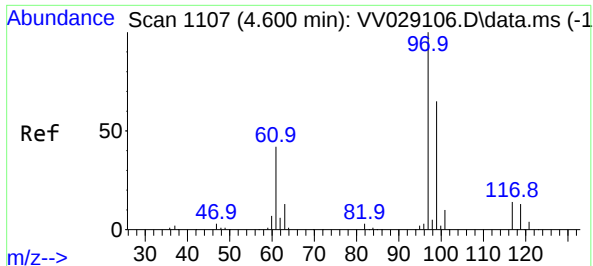
Tgt Ion: 83 Resp: 194853  
Ion Ratio Lower Upper  
83 100  
85 66.9 43.7 81.1



#27  
1,2-Dichloroethane  
Concen: 5.002 ug/L  
RT: 5.124 min Scan# 1270  
Delta R.T. -0.010 min  
Lab File: VV029106.D  
Acq: 18 Nov 2022 10:16

Tgt Ion: 62 Resp: 101906  
Ion Ratio Lower Upper  
62 100  
98 10.6 9.0 13.6





#29

1,1,1-Trichloroethane

Concen: 4.674 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. -0.007 min

Lab File: VV029106.D

Acq: 18 Nov 2022 10:16

Instrument :

MSVOA\_V

ClientSampleId :

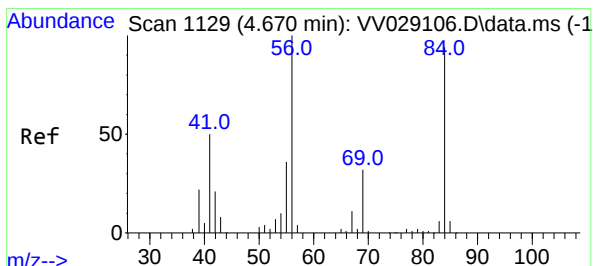
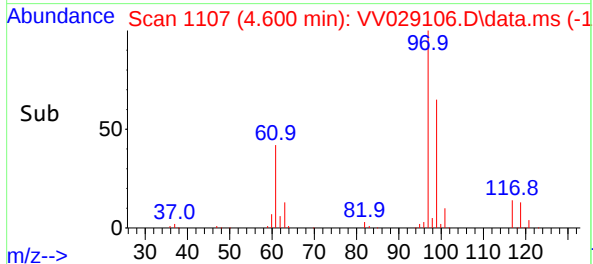
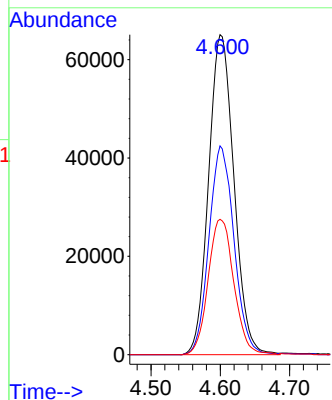
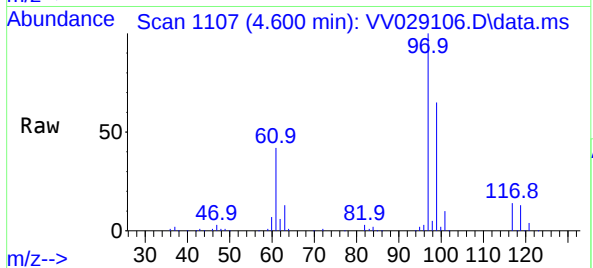
Tgt Ion: 97 Resp: 165425

Ion Ratio Lower Upper

97 100

99 64.6 52.7 79.1

61 43.0 33.8 50.6



#30

Cyclohexane

Concen: 4.807 ug/L

RT: 4.670 min Scan# 1129

Delta R.T. -0.007 min

Lab File: VV029106.D

Acq: 18 Nov 2022 10:16

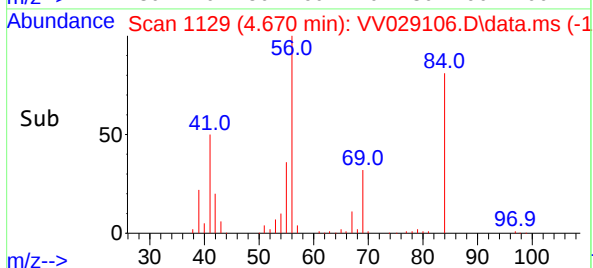
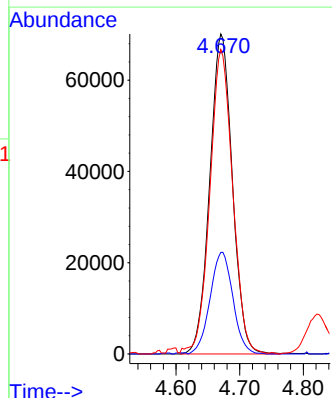
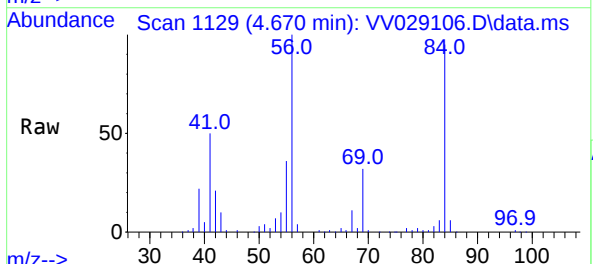
Tgt Ion: 56 Resp: 172919

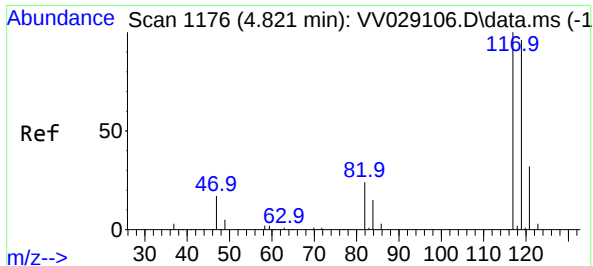
Ion Ratio Lower Upper

56 100

69 32.2 26.1 39.1

84 95.1 77.9 116.9

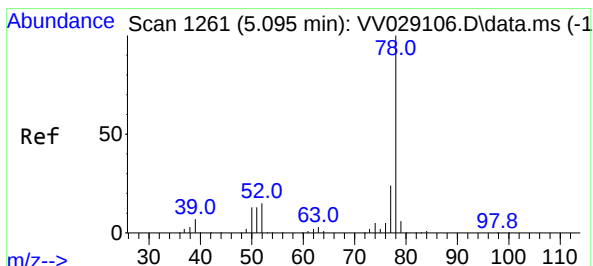
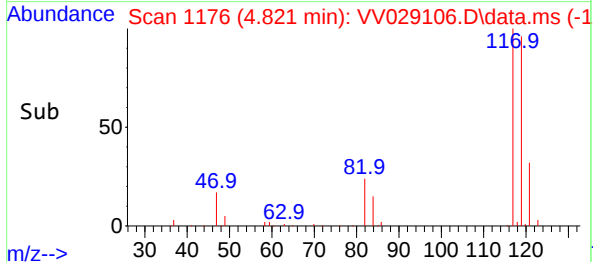
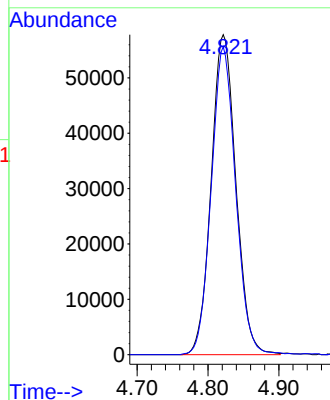
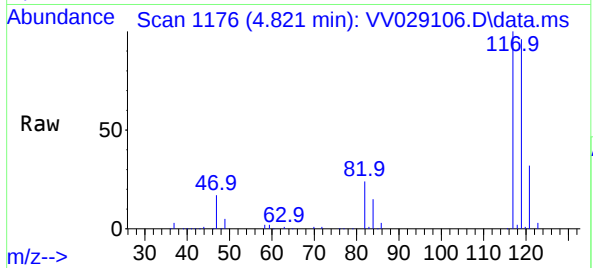




#31  
Carbon tetrachloride  
Concen: 4.595 ug/L  
RT: 4.821 min Scan# 1176  
Delta R.T. -0.007 min  
Lab File: VV029106.D  
Acq: 18 Nov 2022 10:16

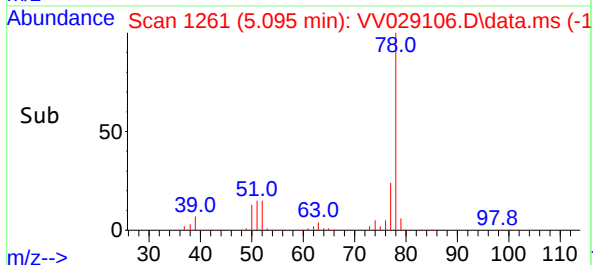
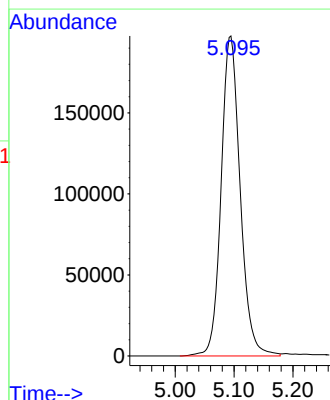
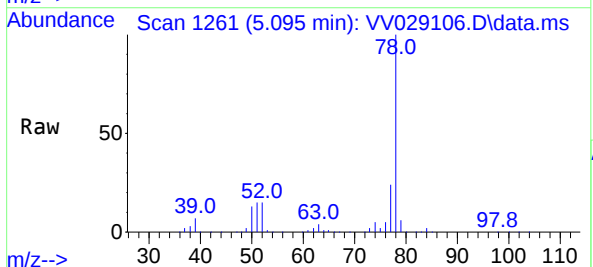
Instrument :  
MSVOA\_V  
ClientSampleId :

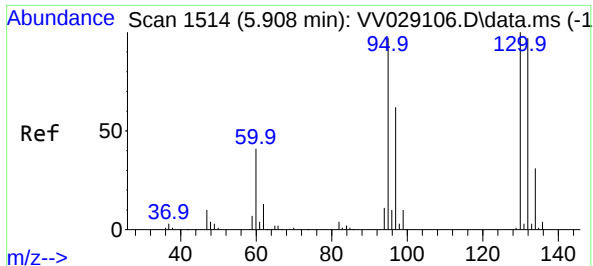
Tgt Ion:117 Resp: 140063  
Ion Ratio Lower Upper  
117 100  
119 95.1 77.0 115.6



#33  
Benzene  
Concen: 4.824 ug/L  
RT: 5.095 min Scan# 1261  
Delta R.T. -0.003 min  
Lab File: VV029106.D  
Acq: 18 Nov 2022 10:16

Tgt Ion: 78 Resp: 444588

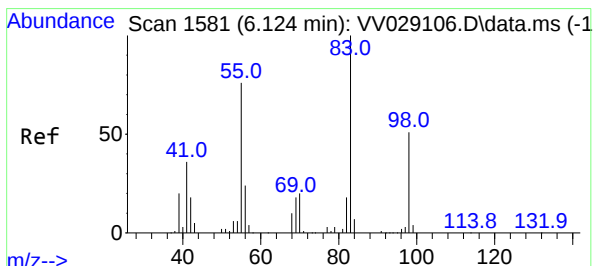
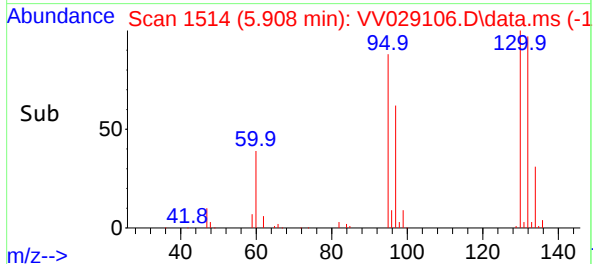
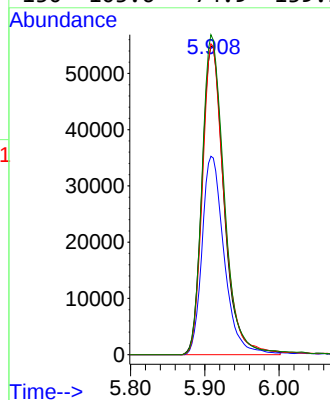
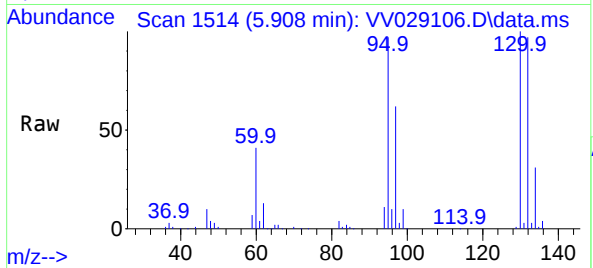




#34  
Trichloroethene  
Concen: 4.792 ug/L  
RT: 5.908 min Scan# 11  
Delta R.T. -0.007 min  
Lab File: VV029106.D  
Acq: 18 Nov 2022 10:16

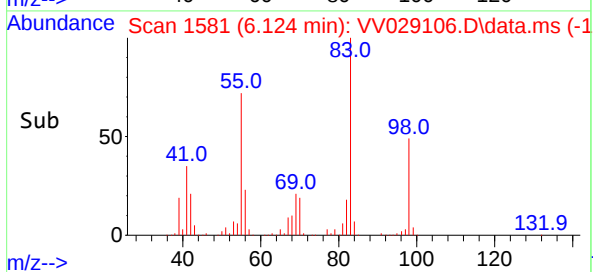
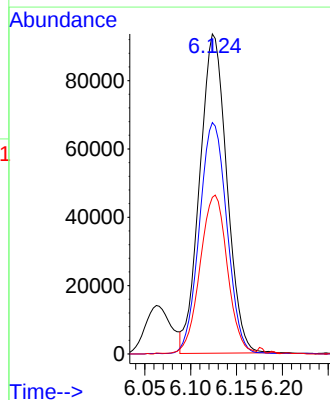
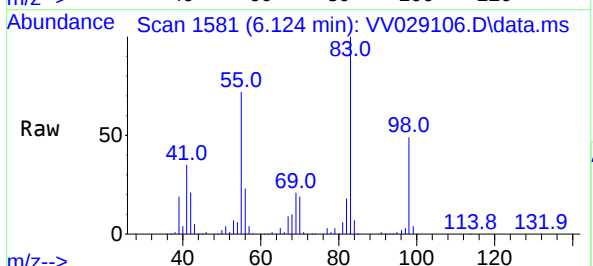
Instrument :  
MSVOA\_V  
ClientSampleId :

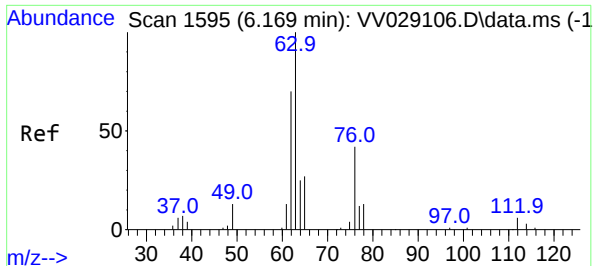
Tgt Ion: 95 Resp: 113068  
Ion Ratio Lower Upper  
95 100  
97 64.2 45.6 84.8  
132 100.6 69.1 128.3  
130 103.6 74.9 139.1



#35  
Methylcyclohexane  
Concen: 4.628 ug/L  
RT: 6.124 min Scan# 1581  
Delta R.T. -0.007 min  
Lab File: VV029106.D  
Acq: 18 Nov 2022 10:16

Tgt Ion: 83 Resp: 191916  
Ion Ratio Lower Upper  
83 100  
55 73.2 55.8 83.6  
98 49.8 38.2 57.2

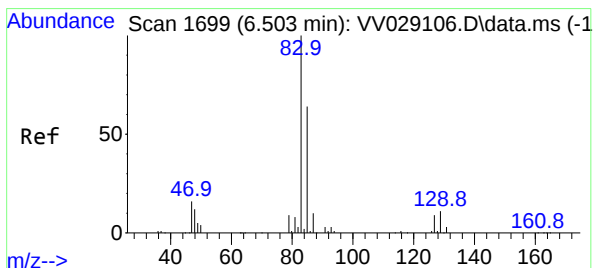
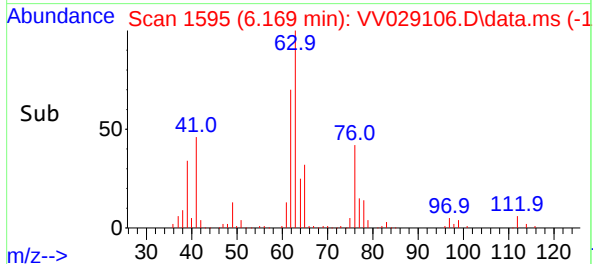
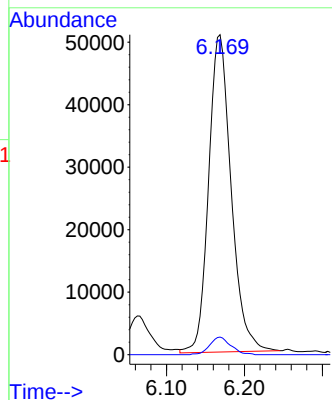
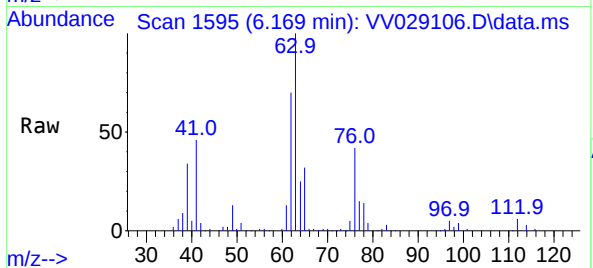




#37  
1,2-Dichloropropane  
Concen: 4.799 ug/L  
RT: 6.169 min Scan# 1595  
Delta R.T. -0.003 min  
Lab File: VV029106.D  
Acq: 18 Nov 2022 10:16

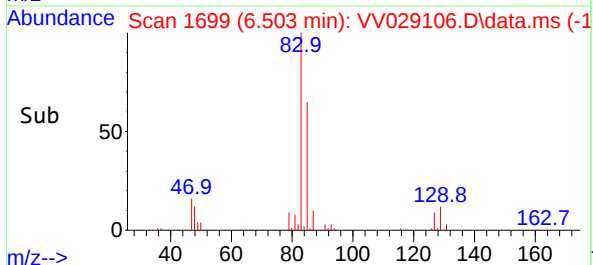
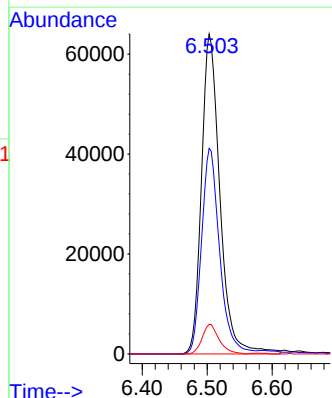
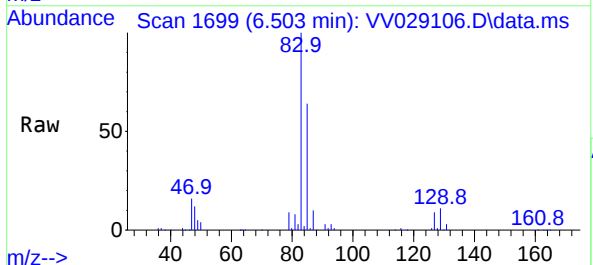
Instrument :  
MSVOA\_V  
ClientSampleId :

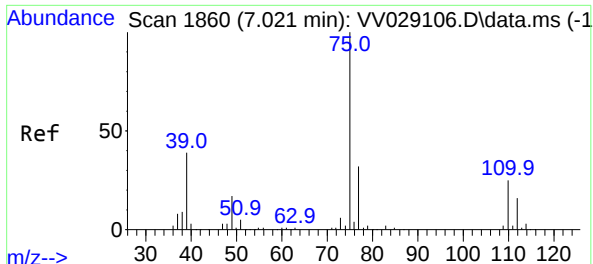
Tgt Ion: 63 Resp: 102007  
Ion Ratio Lower Upper  
63 100  
112 5.2 4.0 6.0



#38  
Bromodichloromethane  
Concen: 4.702 ug/L  
RT: 6.503 min Scan# 1699  
Delta R.T. -0.003 min  
Lab File: VV029106.D  
Acq: 18 Nov 2022 10:16

Tgt Ion: 83 Resp: 126565  
Ion Ratio Lower Upper  
83 100  
85 64.2 46.1 85.5  
127 9.2 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 4.469 ug/L

RT: 7.021 min Scan# 1860

Delta R.T. -0.007 min

Lab File: VV029106.D

Acq: 18 Nov 2022 10:16

Instrument :

MSVOA\_V

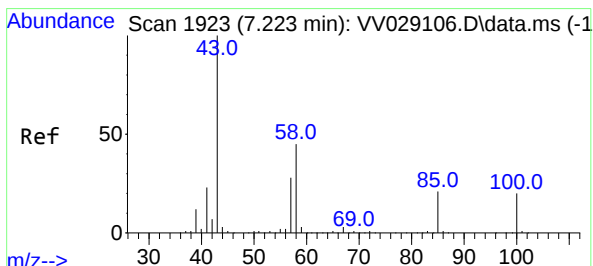
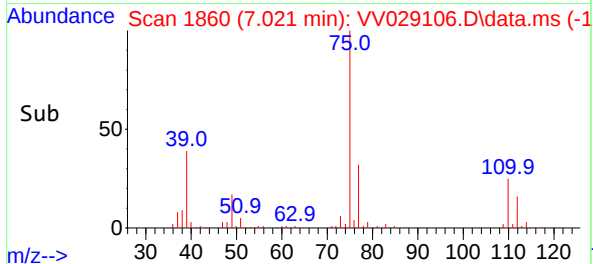
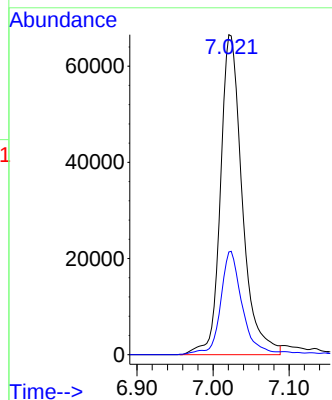
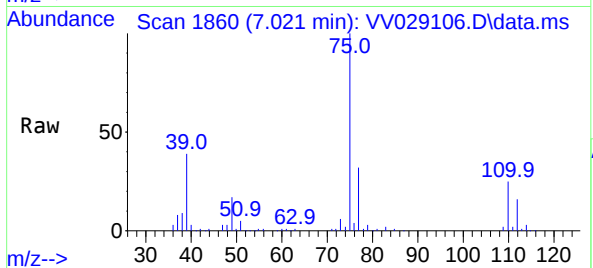
ClientSampleId :

Tgt Ion: 75 Resp: 132620

Ion Ratio Lower Upper

75 100

77 32.1 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 55.555 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. -0.003 min

Lab File: VV029106.D

Acq: 18 Nov 2022 10:16

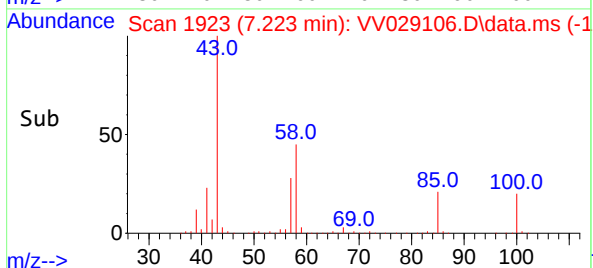
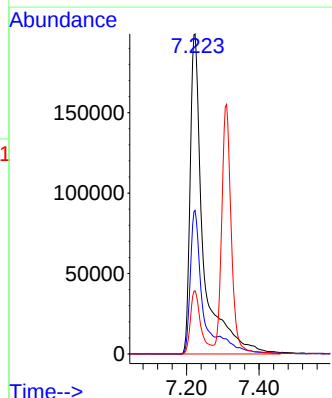
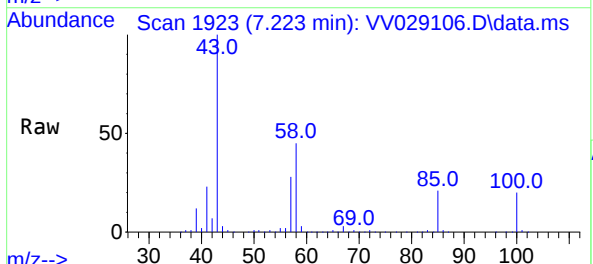
Tgt Ion: 43 Resp: 508032

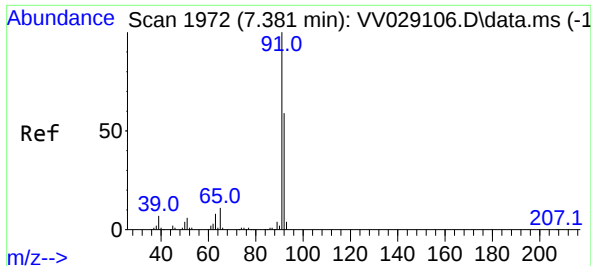
Ion Ratio Lower Upper

43 100

58 36.5 36.6 55.0#

100 15.5 14.5 21.7





#42

Toluene

Concen: 4.892 ug/L

RT: 7.381 min Scan# 1972

Delta R.T. -0.003 min

Lab File: VV029106.D

Acq: 18 Nov 2022 10:16

Instrument :

MSVOA\_V

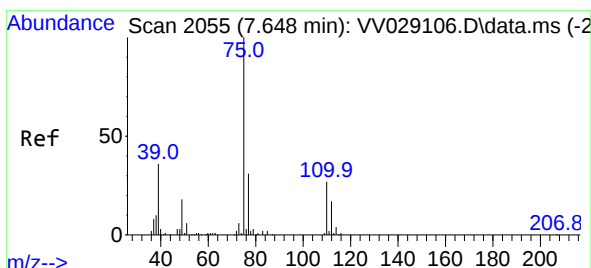
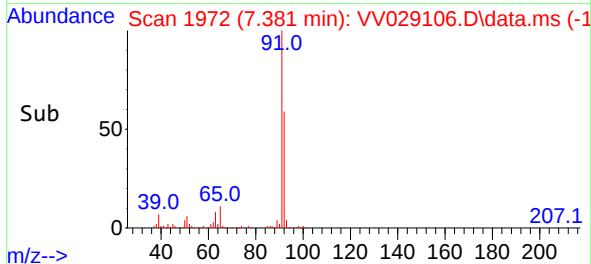
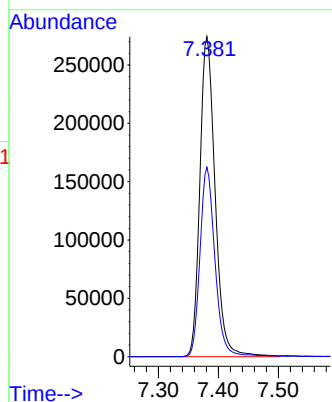
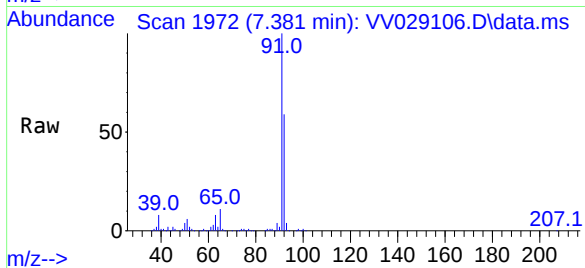
ClientSampleId :

Tgt Ion: 91 Resp: 487156

Ion Ratio Lower Upper

91 100

92 59.2 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 4.576 ug/L

RT: 7.648 min Scan# 2055

Delta R.T. -0.003 min

Lab File: VV029106.D

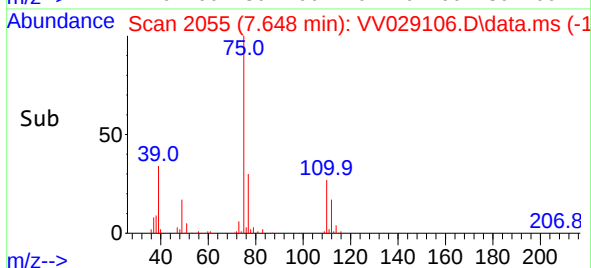
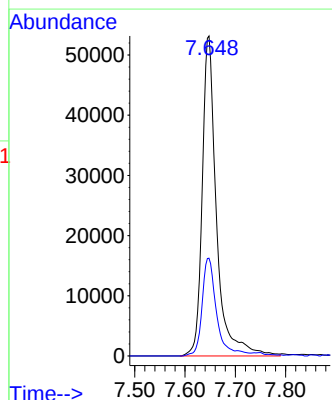
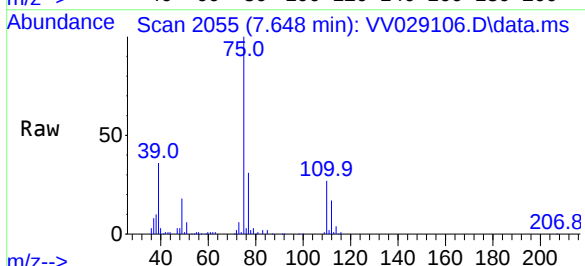
Acq: 18 Nov 2022 10:16

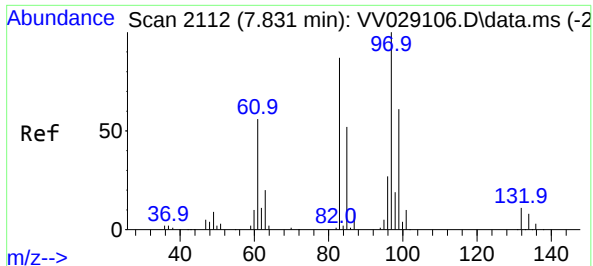
Tgt Ion: 75 Resp: 105417

Ion Ratio Lower Upper

75 100

77 30.6 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 5.262 ug/L

RT: 7.831 min Scan# 2112

Delta R.T. -0.003 min

Lab File: VV029106.D

Acq: 18 Nov 2022 10:16

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 97 Resp: 73215

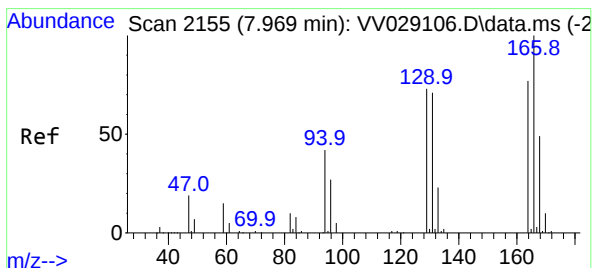
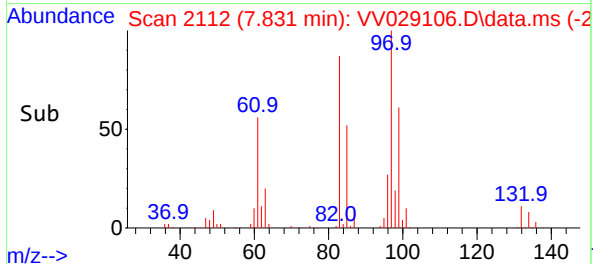
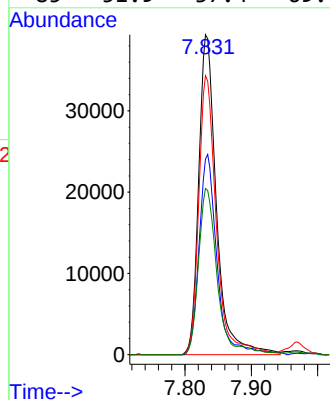
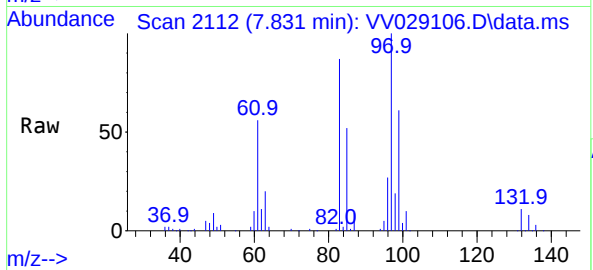
Ion Ratio Lower Upper

97 100

99 61.2 41.5 77.1

83 87.2 60.0 111.4

85 51.9 37.4 69.4



#47

Tetrachloroethene

Concen: 4.934 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. -0.003 min

Lab File: VV029106.D

Acq: 18 Nov 2022 10:16

Tgt Ion:164 Resp: 93229

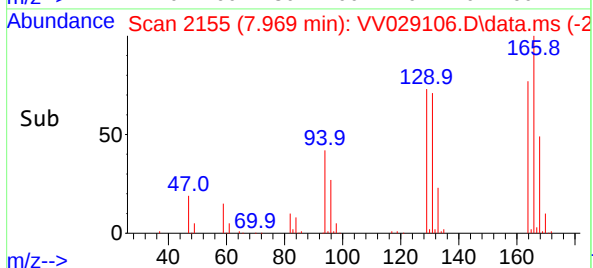
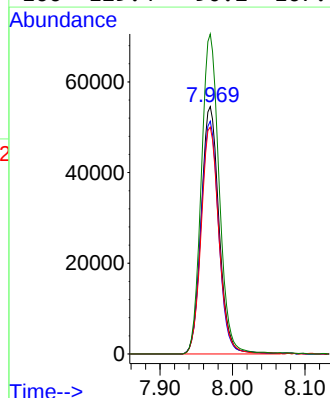
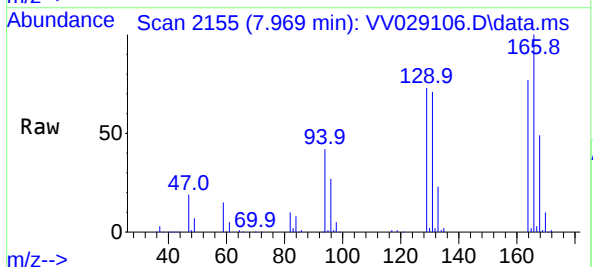
Ion Ratio Lower Upper

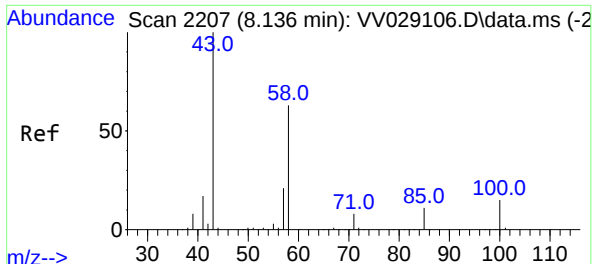
164 100

129 94.1 63.9 118.7

131 91.8 61.8 114.8

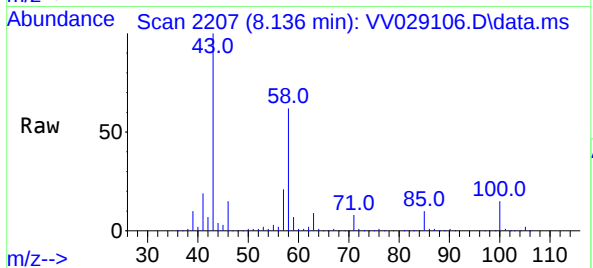
166 129.4 90.2 167.4



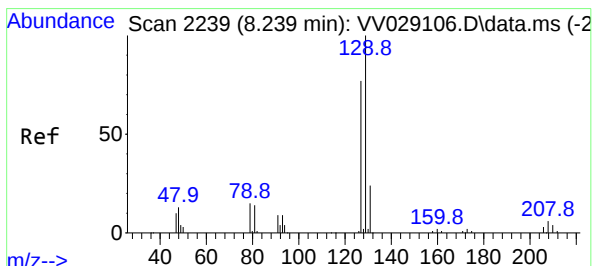
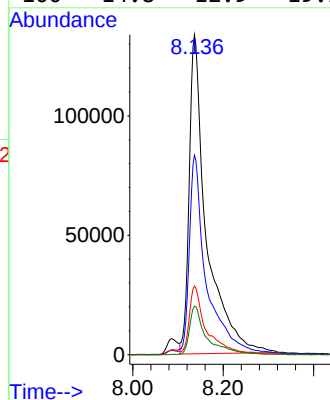
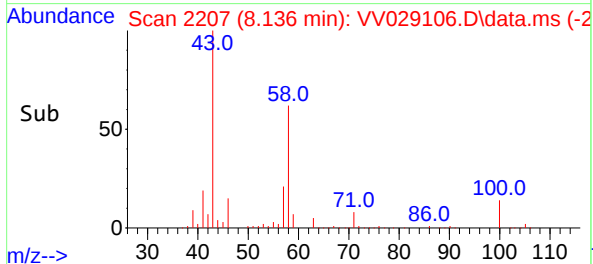


#48  
2-Hexanone  
Concen: 55.542 ug/L  
RT: 8.136 min Scan# 2207  
Delta R.T. -0.003 min  
Lab File: VV029106.D  
Acq: 18 Nov 2022 10:16

Instrument :  
MSVOA\_V  
ClientSampleId :

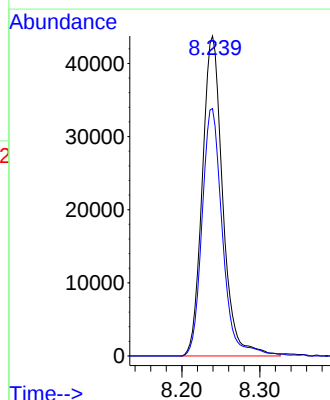
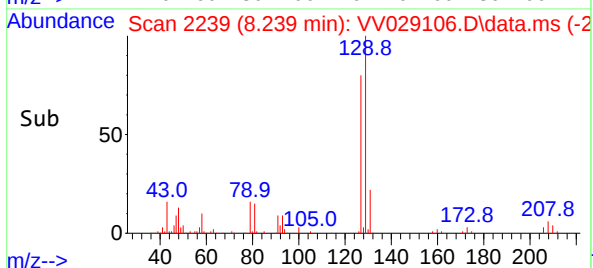
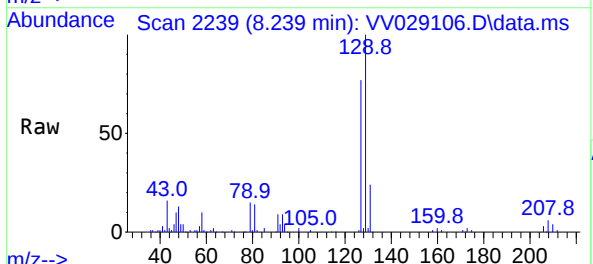


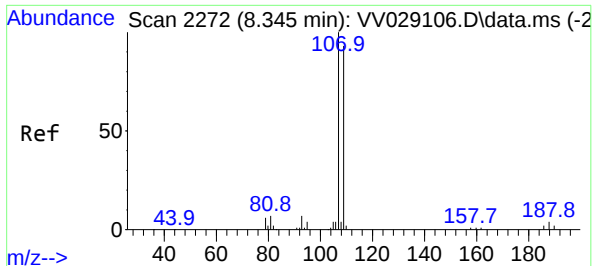
Tgt Ion: 43 Resp: 355790  
Ion Ratio Lower Upper  
43 100  
58 62.0 50.2 75.4  
57 19.6 17.8 26.8  
100 14.8 12.9 19.3



#49  
Dibromochloromethane  
Concen: 4.740 ug/L  
RT: 8.239 min Scan# 2239  
Delta R.T. -0.000 min  
Lab File: VV029106.D  
Acq: 18 Nov 2022 10:16

Tgt Ion: 129 Resp: 79734  
Ion Ratio Lower Upper  
129 100  
127 77.3 54.5 101.1

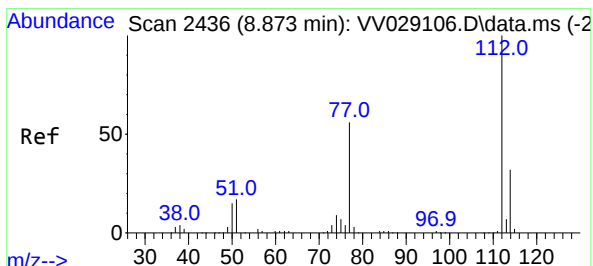
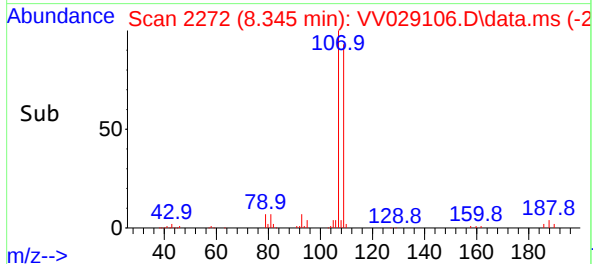
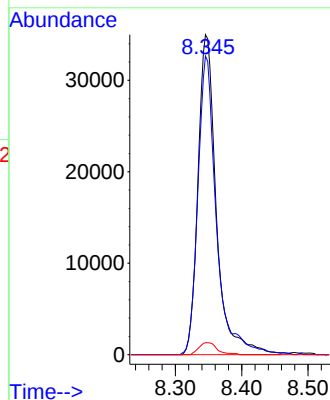
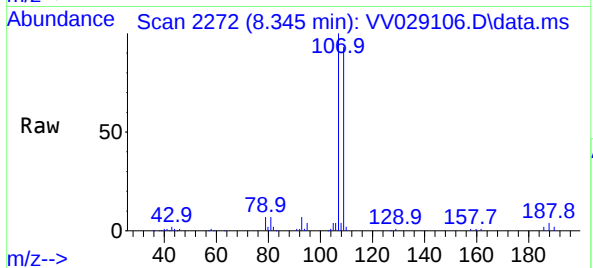




#50  
1,2-Dibromoethane  
Concen: 5.202 ug/L  
RT: 8.345 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VV029106.D  
Acq: 18 Nov 2022 10:16

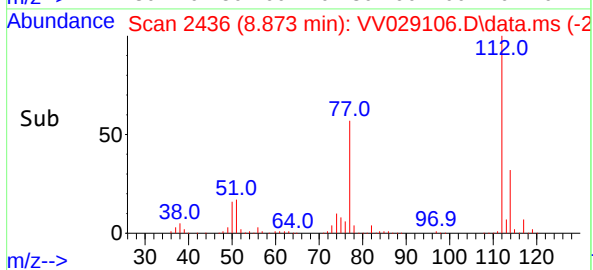
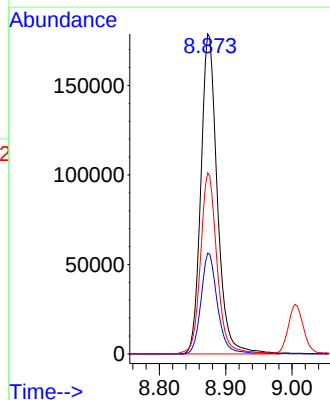
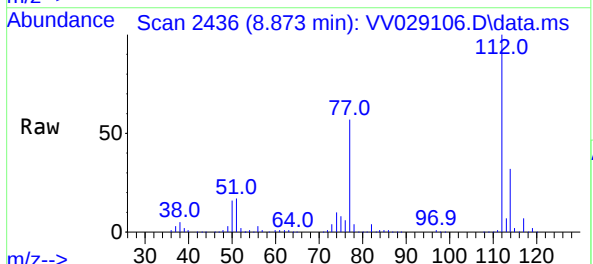
Instrument :  
MSVOA\_V  
ClientSampleId :

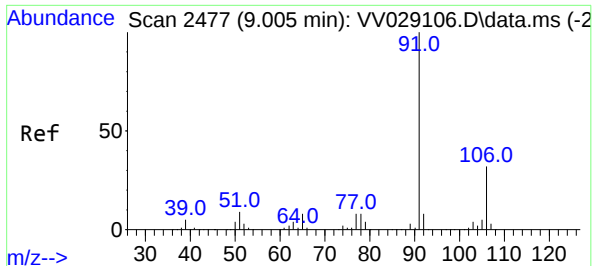
Tgt Ion:107 Resp: 67237  
Ion Ratio Lower Upper  
107 100  
109 93.3 64.4 119.6  
188 3.8 2.9 4.3



#51  
Chlorobenzene  
Concen: 4.996 ug/L  
RT: 8.873 min Scan# 2436  
Delta R.T. -0.003 min  
Lab File: VV029106.D  
Acq: 18 Nov 2022 10:16

Tgt Ion:112 Resp: 307601  
Ion Ratio Lower Upper  
112 100  
114 31.5 22.4 41.6  
77 56.6 44.4 66.6

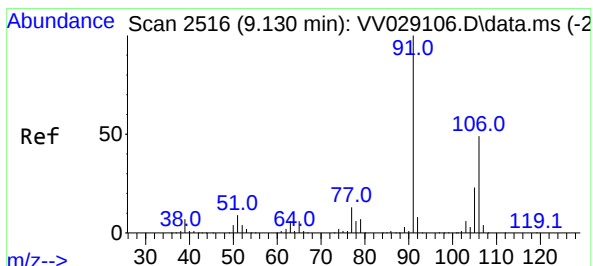
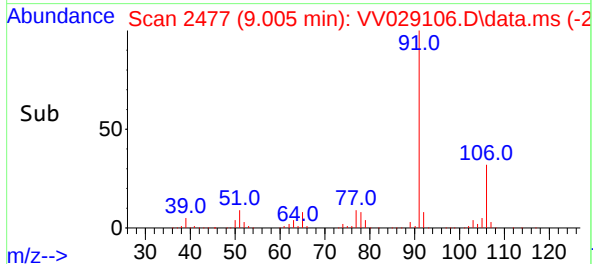
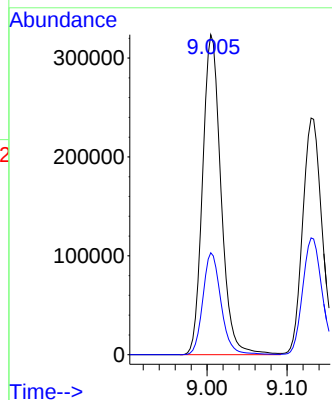
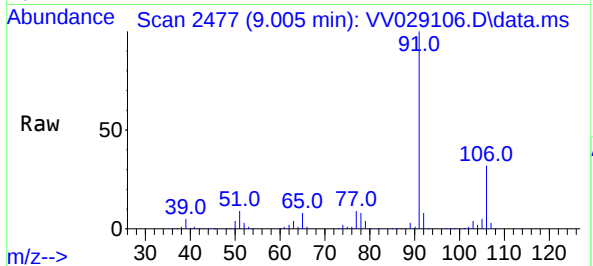




#52  
Ethylbenzene  
Concen: 5.015 ug/L  
RT: 9.005 min Scan# 2477  
Delta R.T. -0.003 min  
Lab File: VV029106.D  
Acq: 18 Nov 2022 10:16

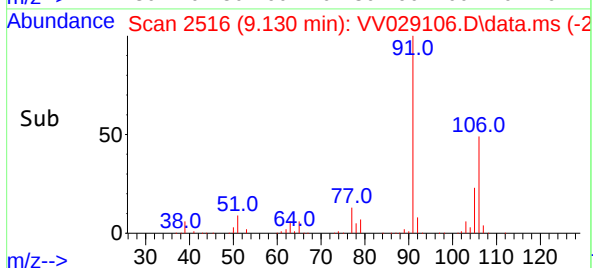
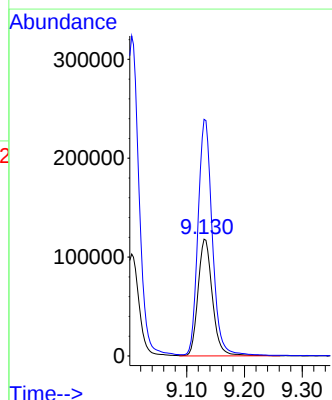
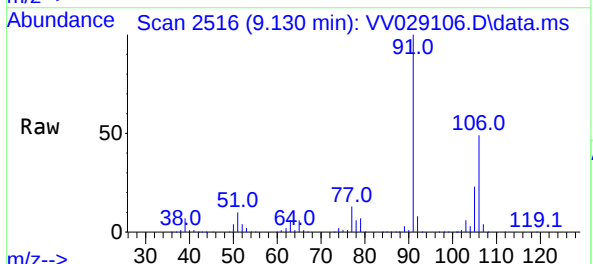
Instrument :  
MSVOA\_V  
ClientSampleId :

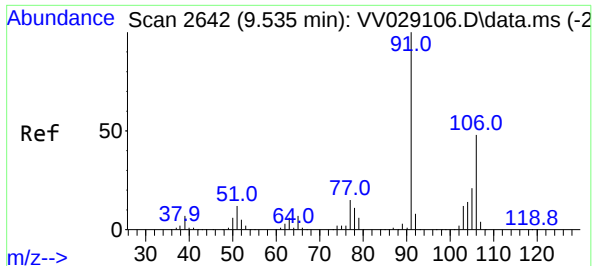
Tgt Ion: 91 Resp: 519867  
Ion Ratio Lower Upper  
91 100  
106 31.9 21.6 40.2



#53  
m,p-Xylene  
Concen: 4.938 ug/L  
RT: 9.130 min Scan# 2516  
Delta R.T. -0.003 min  
Lab File: VV029106.D  
Acq: 18 Nov 2022 10:16

Tgt Ion: 106 Resp: 203605  
Ion Ratio Lower Upper  
106 100  
91 202.7 139.1 258.3

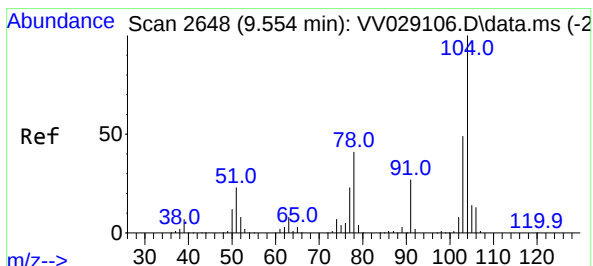
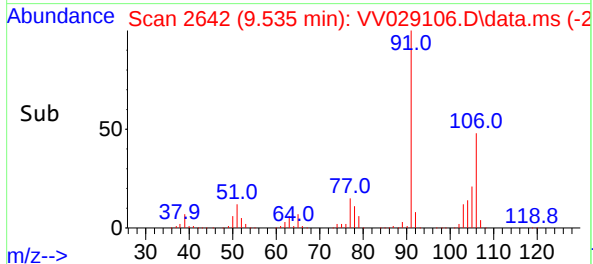
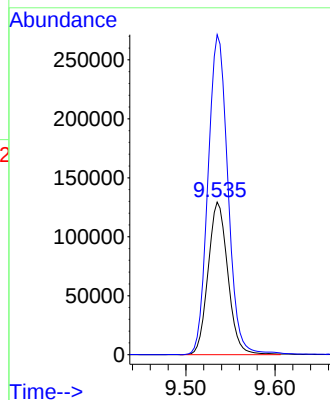
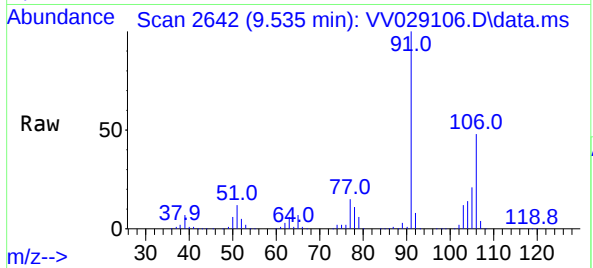




#54  
o-Xylene  
Concen: 5.079 ug/L  
RT: 9.535 min Scan# 2642  
Delta R.T. -0.003 min  
Lab File: VV029106.D  
Acq: 18 Nov 2022 10:16

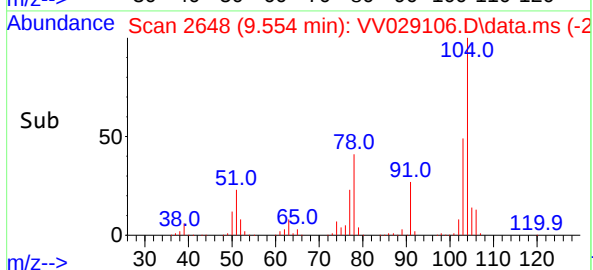
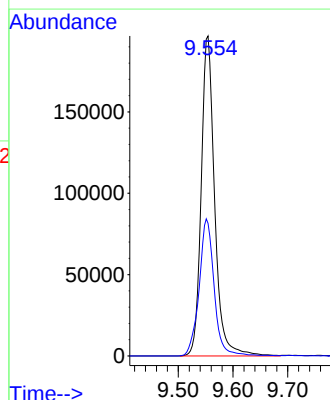
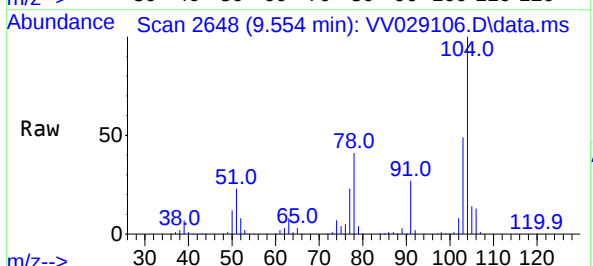
Instrument :  
MSVOA\_V  
ClientSampleId :

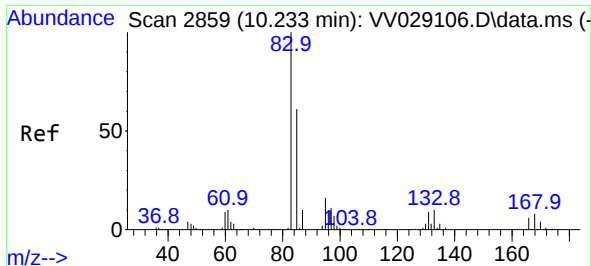
Tgt Ion:106 Resp: 199068  
Ion Ratio Lower Upper  
106 100  
91 209.7 145.7 270.7



#55  
Styrene  
Concen: 5.117 ug/L  
RT: 9.554 min Scan# 2648  
Delta R.T. -0.000 min  
Lab File: VV029106.D  
Acq: 18 Nov 2022 10:16

Tgt Ion:104 Resp: 336368  
Ion Ratio Lower Upper  
104 100  
78 41.4 30.1 55.9





#57

1,1,2,2-Tetrachloroethane

Concen: 5.307 ug/L

RT: 10.233 min Scan# 2859

Delta R.T. -0.003 min

Lab File: VV029106.D

Acq: 18 Nov 2022 10:16

Instrument :

MSVOA\_V

ClientSampleId :

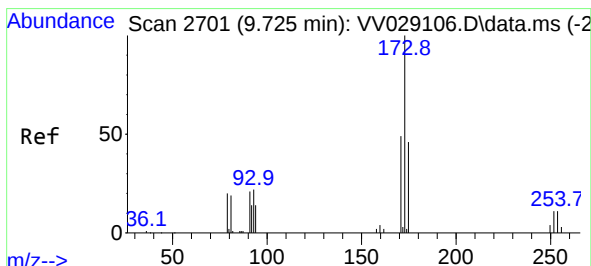
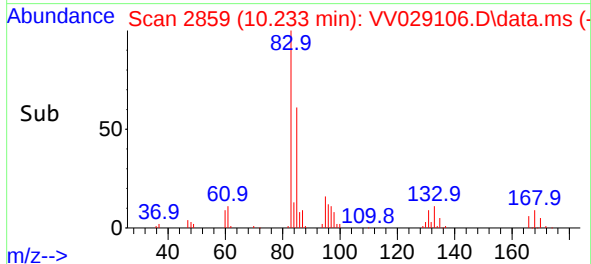
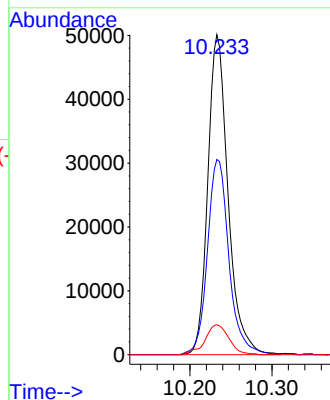
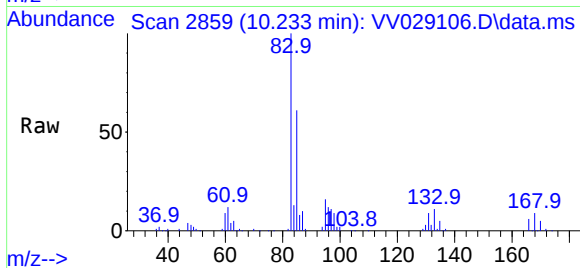
Tgt Ion: 83 Resp: 86071

Ion Ratio Lower Upper

83 100

85 61.0 45.2 84.0

131 9.4 7.5 11.3



#59

Bromoform

Concen: 4.610 ug/L

RT: 9.725 min Scan# 2701

Delta R.T. -0.003 min

Lab File: VV029106.D

Acq: 18 Nov 2022 10:16

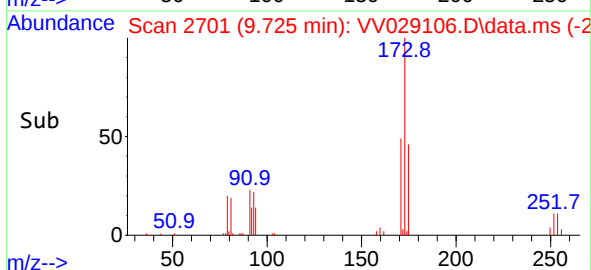
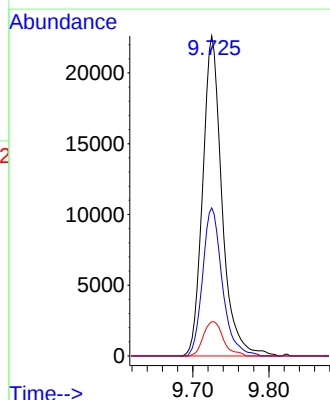
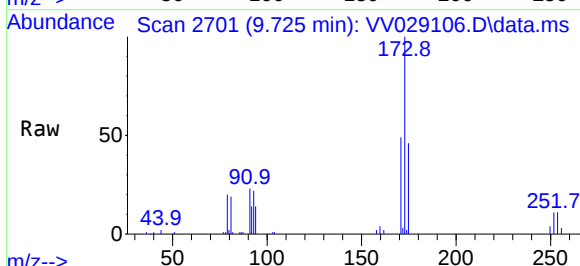
Tgt Ion:173 Resp: 39857

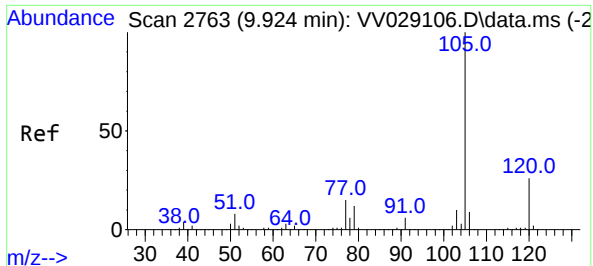
Ion Ratio Lower Upper

173 100

175 47.1 38.2 57.4

254 11.1 8.5 12.7

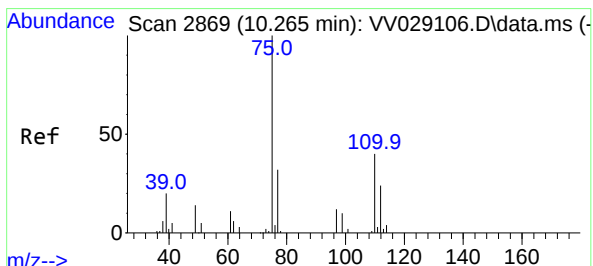
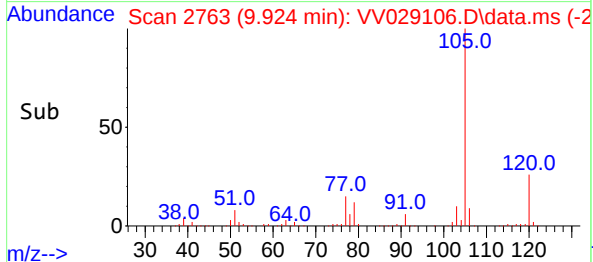
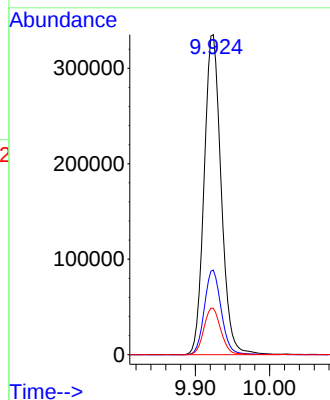
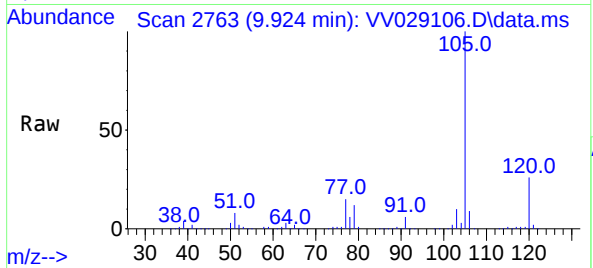




#60  
Isopropylbenzene  
Concen: 5.180 ug/L  
RT: 9.924 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VV029106.D  
Acq: 18 Nov 2022 10:16

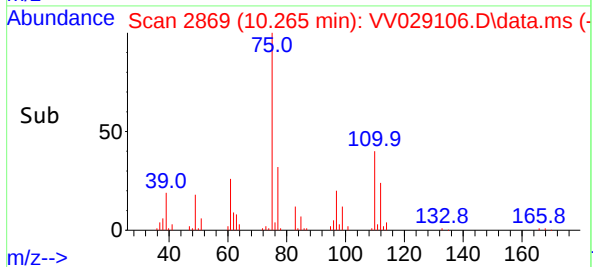
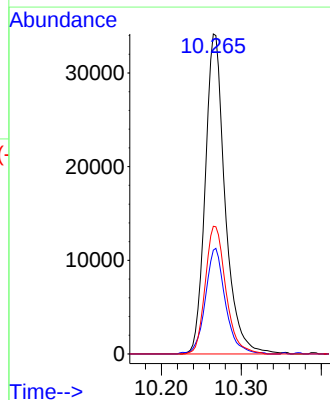
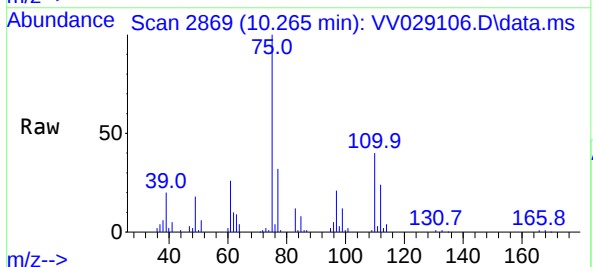
Instrument :  
MSVOA\_V  
ClientSampleId :

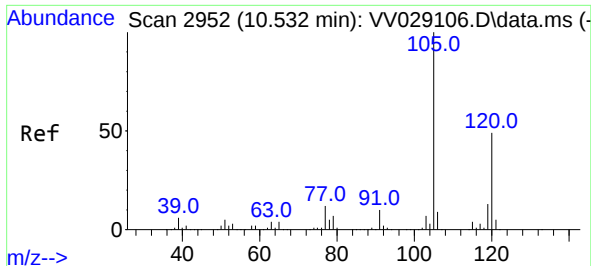
Tgt Ion:105 Resp: 533253  
Ion Ratio Lower Upper  
105 100  
120 26.3 21.3 31.9  
77 14.6 11.8 17.8



#61  
1,2,3-Trichloropropane  
Concen: 5.456 ug/L  
RT: 10.265 min Scan# 2869  
Delta R.T. -0.003 min  
Lab File: VV029106.D  
Acq: 18 Nov 2022 10:16

Tgt Ion: 75 Resp: 59133  
Ion Ratio Lower Upper  
75 100  
77 33.3 26.2 39.2  
110 41.3 32.6 48.8





#62

1,3,5-Trimethylbenzene

Concen: 5.098 ug/L

RT: 10.532 min Scan# 2952

Delta R.T. -0.000 min

Lab File: VV029106.D

Acq: 18 Nov 2022 10:16

Instrument :

MSVOA\_V

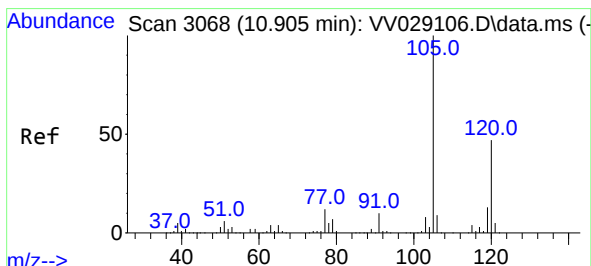
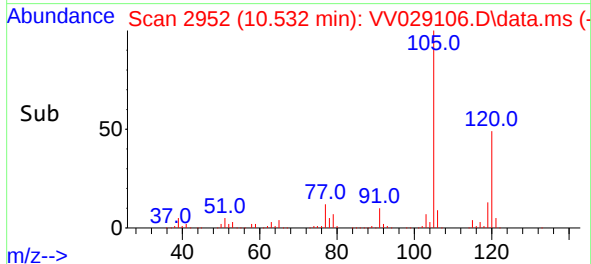
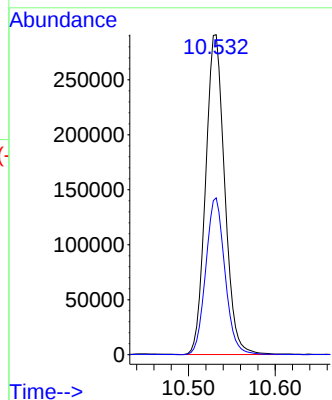
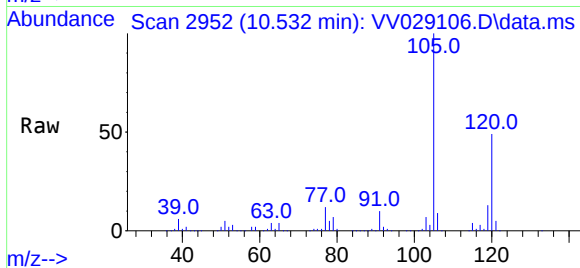
ClientSampleId :

Tgt Ion:105 Resp: 444608

Ion Ratio Lower Upper

105 100

120 49.4 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 5.045 ug/L

RT: 10.905 min Scan# 3068

Delta R.T. -0.000 min

Lab File: VV029106.D

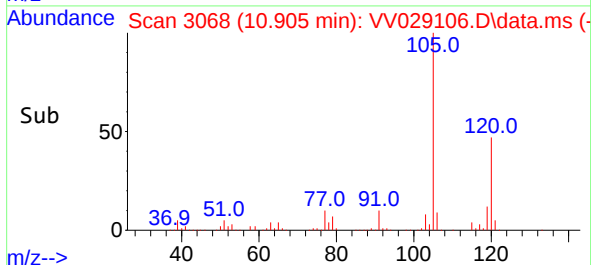
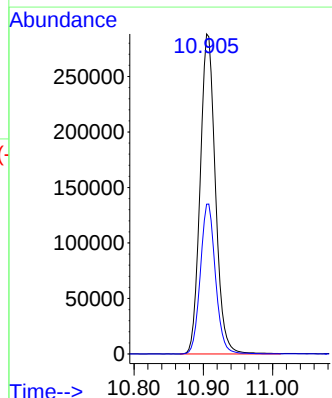
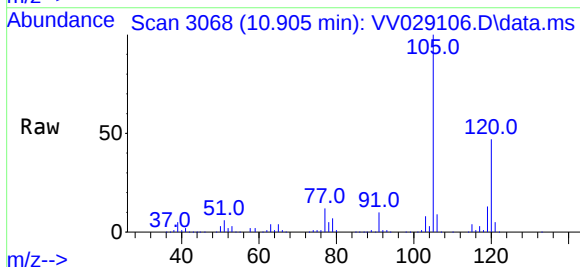
Acq: 18 Nov 2022 10:16

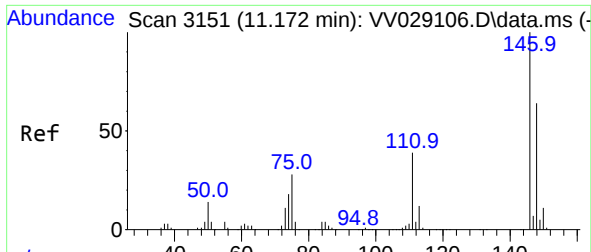
Tgt Ion:105 Resp: 440722

Ion Ratio Lower Upper

105 100

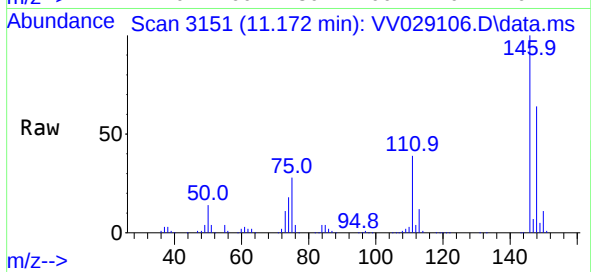
120 46.5 37.8 56.8



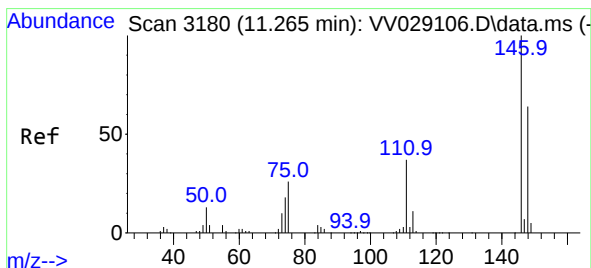
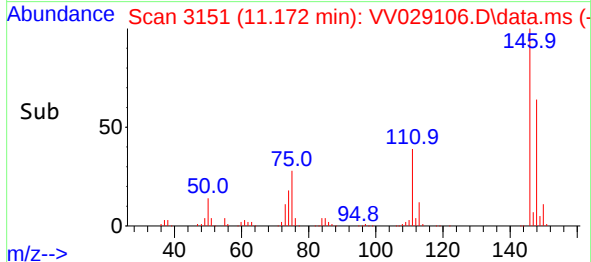
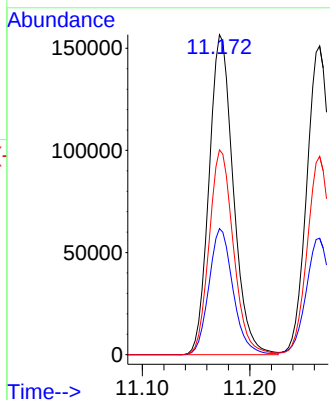


#64  
1,3-Dichlorobenzene  
Concen: 5.078 ug/L  
RT: 11.172 min Scan# 3151  
Delta R.T. -0.003 min  
Lab File: VV029106.D  
Acq: 18 Nov 2022 10:16

Instrument :  
MSVOA\_V  
ClientSampleId :

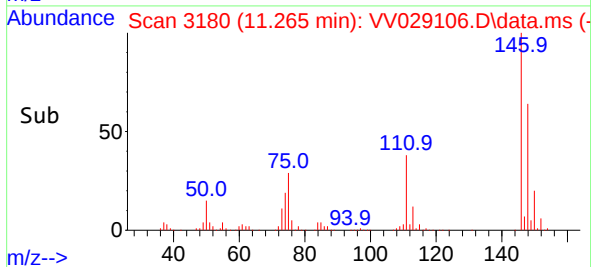
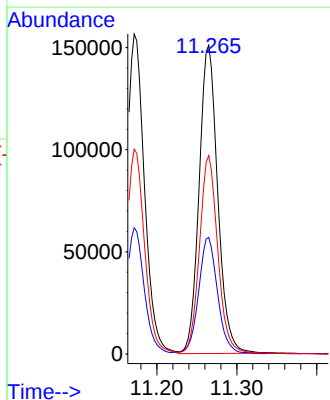
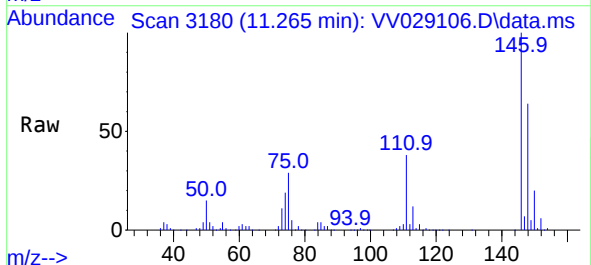


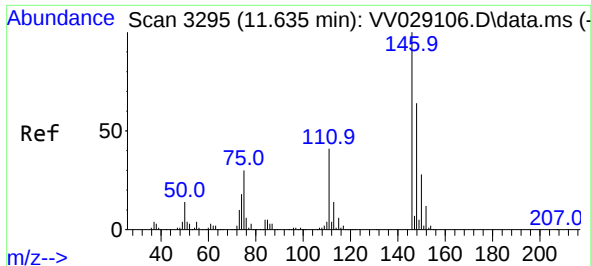
Tgt Ion:146 Resp: 245596  
Ion Ratio Lower Upper  
146 100  
111 39.4 26.9 50.1  
148 64.0 44.1 81.9



#65  
1,4-Dichlorobenzene  
Concen: 5.038 ug/L  
RT: 11.265 min Scan# 3180  
Delta R.T. -0.000 min  
Lab File: VV029106.D  
Acq: 18 Nov 2022 10:16

Tgt Ion:146 Resp: 244985  
Ion Ratio Lower Upper  
146 100  
111 37.7 26.5 49.3  
148 64.2 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 5.175 ug/L

RT: 11.635 min Scan# 3295

Delta R.T. -0.000 min

Lab File: VV029106.D

Acq: 18 Nov 2022 10:16

Instrument :

MSVOA\_V

ClientSampleId :

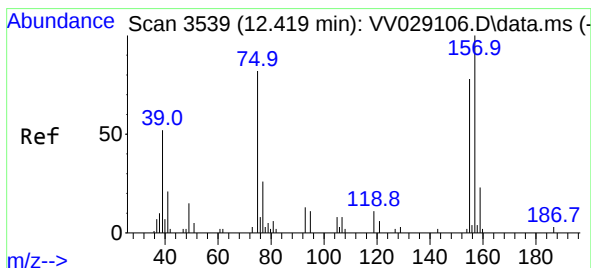
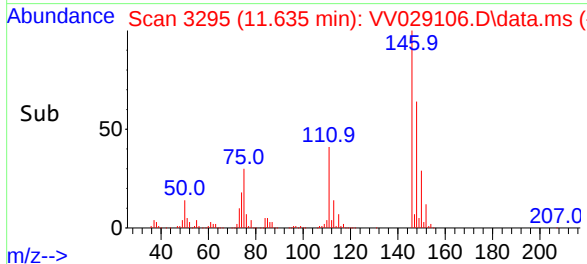
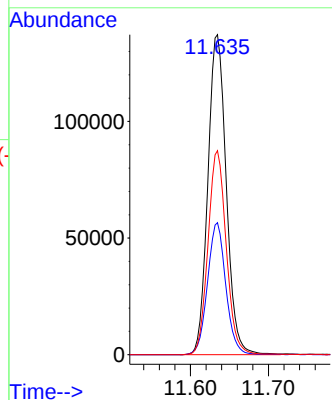
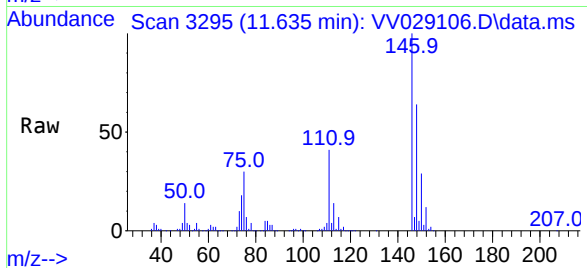
Tgt Ion:146 Resp: 224892

Ion Ratio Lower Upper

146 100

111 41.2 32.4 48.6

148 63.7 49.4 74.2



#68

1,2-Dibromo-3-chloropropane

Concen: 4.266 ug/L

RT: 12.419 min Scan# 3539

Delta R.T. -0.000 min

Lab File: VV029106.D

Acq: 18 Nov 2022 10:16

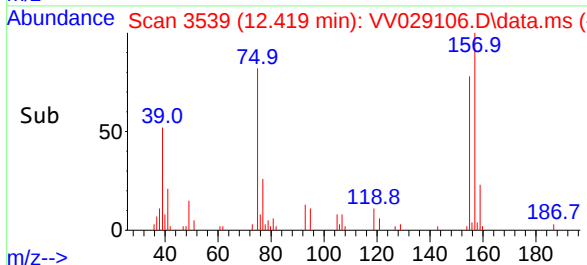
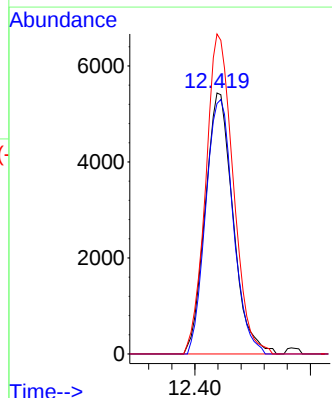
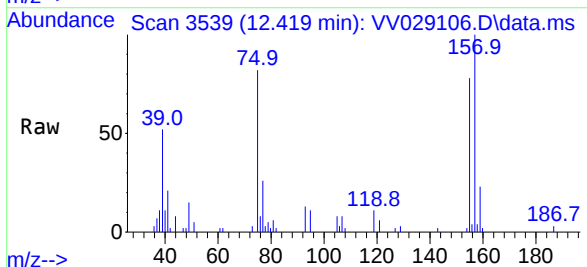
Tgt Ion: 75 Resp: 9096

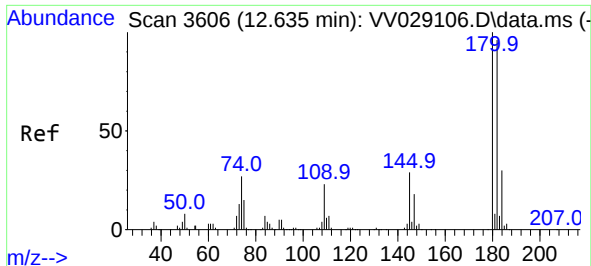
Ion Ratio Lower Upper

75 100

155 96.0 64.8 97.2

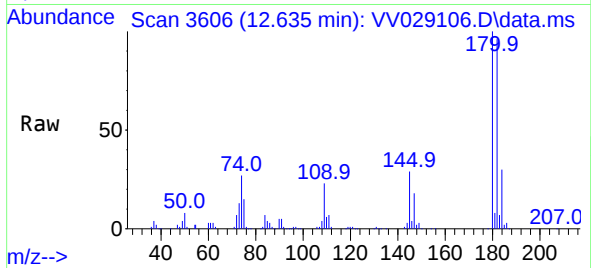
157 122.6 86.3 129.5



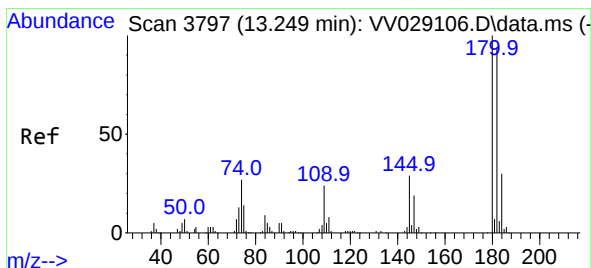
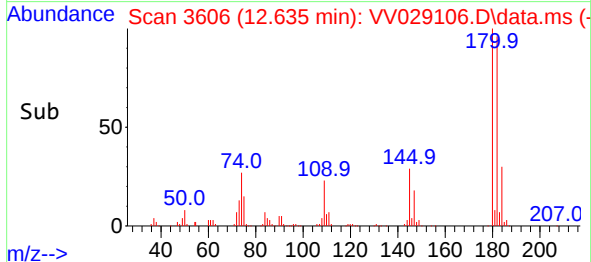
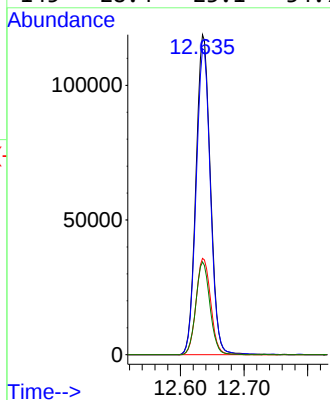


#69  
1,3,5-Trichlorobenzene  
Concen: 5.007 ug/L  
RT: 12.635 min Scan# 3606  
Delta R.T. -0.000 min  
Lab File: VV029106.D  
Acq: 18 Nov 2022 10:16

Instrument :  
MSVOA\_V  
ClientSampleId :

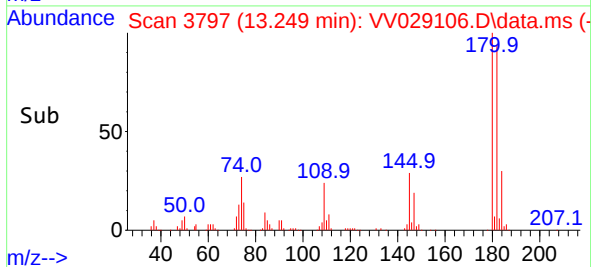
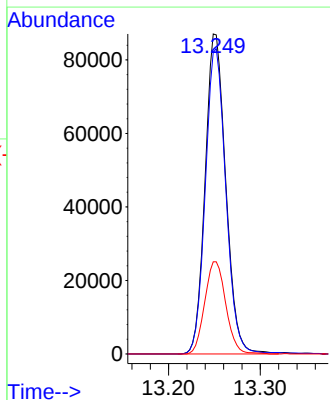
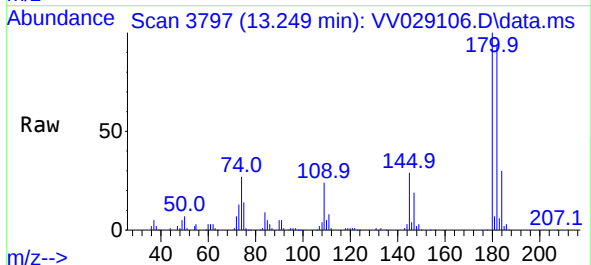


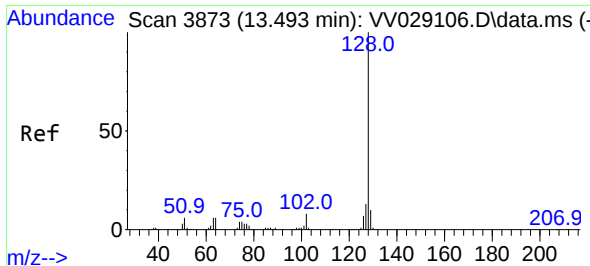
Tgt Ion:180 Resp: 186828  
Ion Ratio Lower Upper  
180 100  
182 94.9 76.7 115.1  
184 30.5 24.0 36.0  
145 28.4 23.1 34.7



#70  
1,2,4-trichlorobenzene  
Concen: 4.824 ug/L  
RT: 13.249 min Scan# 3797  
Delta R.T. -0.003 min  
Lab File: VV029106.D  
Acq: 18 Nov 2022 10:16

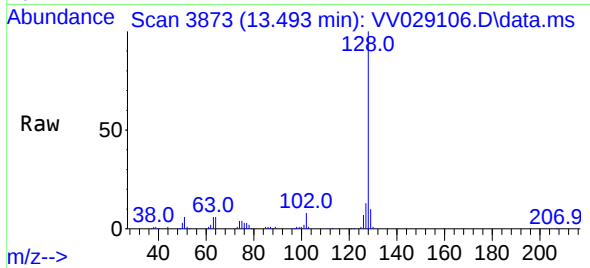
Tgt Ion:180 Resp: 136146  
Ion Ratio Lower Upper  
180 100  
182 94.6 74.3 111.5  
145 29.4 23.7 35.5



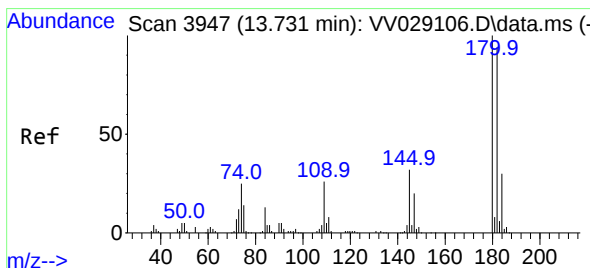
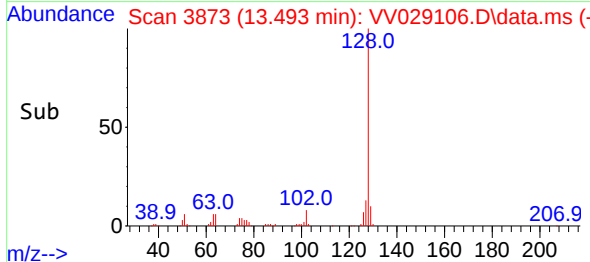
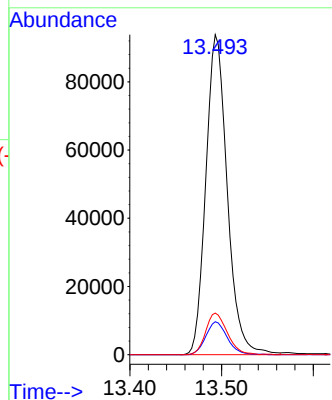


#71  
Naphthalene  
Concen: 4.184 ug/L  
RT: 13.493 min Scan# 3873  
Delta R.T. -0.000 min  
Lab File: VV029106.D  
Acq: 18 Nov 2022 10:16

Instrument :  
MSVOA\_V  
ClientSampleId :



Tgt Ion:128 Resp: 152387  
Ion Ratio Lower Upper  
128 100  
129 10.3 8.8 13.2  
127 13.1 9.8 14.8



#72  
1,2,3-Trichlorobenzene  
Concen: 4.745 ug/L  
RT: 13.731 min Scan# 3947  
Delta R.T. -0.000 min  
Lab File: VV029106.D  
Acq: 18 Nov 2022 10:16

Tgt Ion:180 Resp: 113435  
Ion Ratio Lower Upper  
180 100  
182 95.8 75.4 113.2  
145 31.0 24.9 37.3

