

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV092923\  
 Data File : VV032183.D  
 Acq On : 29 Sep 2023 10:22  
 Operator : SY/MD  
 Sample : VSTD001  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Sep 30 04:08:36 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092923WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Sep 30 04:07:23 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Difluorobenzene        | 5.539  | 114  | 114195   | 5.000  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.789  | 117  | 111478   | 5.000  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.191 | 152  | 56017    | 5.000  | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65   | 8197     | 1.117  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.532  | 69   | 6994     | 0.983  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.060  | 65   | 3676     | 0.946  | ug/L   | 0.00     |
| 20) 2-Butanone-d5             | 3.857  | 46   | 6337     | 2.737  | ug/L   | 0.03     |
| 24) Chloroform-d              | 4.256  | 84   | 14655    | 0.771  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 4.960  | 65   | 6641     | 0.719  | ug/L   | 0.00     |
| 32) Benzene-d6                | 4.970  | 84   | 28272    | 0.916  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 5.998  | 67   | 9148     | 0.852  | ug/L   | 0.00     |
| 41) Toluene-d8                | 7.249  | 98   | 26200    | 0.951  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.568  | 79   | 2948     | 0.867  | ug/L   | 0.00     |
| 46) 2-Hexanone-d5             | 8.043  | 63   | 13811    | 8.560  | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.159 | 84   | 6561     | 0.905  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.567 | 152  | 9545     | 0.952  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.105  | 85   | 12917    | 1.203  | ug/L   | 97       |
| 3) Chloromethane              | 1.217  | 50   | 13175    | 1.253  | ug/L   | 97       |
| 5) Vinyl chloride             | 1.282  | 62   | 12668    | 1.234  | ug/L   | 99       |
| 6) Bromomethane               | 1.491  | 94   | 7464     | 1.129  | ug/L   | 100      |
| 8) Chloroethane               | 1.552  | 64   | 7537     | 1.196  | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 1.716  | 101  | 15177    | 0.999  | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.069  | 101  | 9294     | 1.072  | ug/L   | 100      |
| 12) 1,1-Dichloroethene        | 2.069  | 96   | 8722     | 1.133  | ug/L   | 95       |
| 13) Acetone                   | 2.150  | 43   | 15819    | 11.077 | ug/L   | 84       |
| 14) Carbon disulfide          | 2.240  | 76   | 29841    | 1.337  | ug/L   | 100      |
| 15) Methyl Acetate            | 2.391  | 43   | 3194     | 0.873  | ug/L # | 89       |
| 16) Methylene chloride        | 2.449  | 84   | 12033    | 1.171  | ug/L   | 95       |
| 17) Methyl tert-butyl Ether   | 2.712  | 73   | 22274    | 1.312  | ug/L   | 95       |
| 18) trans-1,2-Dichloroethene  | 2.700  | 96   | 9746     | 1.296  | ug/L   | 96       |
| 19) 1,1-Dichloroethane        | 3.118  | 63   | 18460    | 1.194  | ug/L   | 97       |
| 21) 2-Butanone                | 3.931  | 43   | 19176    | 9.568  | ug/L   | 92       |
| 22) cis-1,2-Dichloroethene    | 3.825  | 96   | 10056    | 1.291  | ug/L   | 83       |
| 23) Bromochloromethane        | 4.159  | 128  | 4076     | 1.084  | ug/L   | 97       |
| 25) Chloroform                | 4.285  | 83   | 18337    | 1.137  | ug/L   | 98       |
| 27) 1,2-Dichloroethane        | 5.056  | 62   | 10746    | 1.128  | ug/L   | 96       |
| 29) 1,1,1-Trichloroethane     | 4.516  | 97   | 15253    | 1.164  | ug/L   | 98       |
| 30) Cyclohexane               | 4.584  | 56   | 16326    | 1.576  | ug/L   | 99       |
| 31) Carbon tetrachloride      | 4.741  | 117  | 13012    | 1.150  | ug/L   | 97       |
| 33) Benzene                   | 5.018  | 78   | 39535    | 1.378  | ug/L   | 100      |
| 34) Trichloroethene           | 5.844  | 95   | 10474    | 1.288  | ug/L   | 96       |
| 35) Methylcyclohexane         | 6.053  | 83   | 16702    | 1.665  | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 6.101  | 63   | 10664    | 1.335  | ug/L   | 98       |
| 38) Bromodichloromethane      | 6.442  | 83   | 12307    | 1.182  | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 6.966  | 75   | 13785    | 1.374  | ug/L   | 100      |
| 40) 4-Methyl-2-pentanone      | 7.169  | 43   | 65173    | 14.664 | ug/L   | 99       |
| 42) Toluene                   | 7.323  | 91   | 41550    | 1.445  | ug/L   | 96       |
| 44) trans-1,3-Dichloropropene | 7.593  | 75   | 11915    | 1.373  | ug/L   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV092923\  
 Data File : VV032183.D  
 Acq On : 29 Sep 2023 10:22  
 Operator : SY/MD  
 Sample : VSTD001  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 4 Sample Multiplier: 1

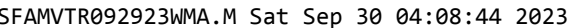
Instrument :  
 MSVOA\_V  
 ClientSampleId :

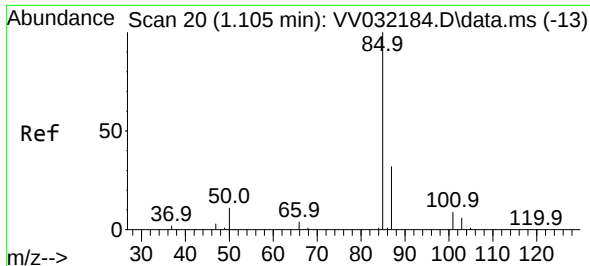
Quant Time: Sep 30 04:08:36 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092923WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Sep 30 04:07:23 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| 45) 1,1,2-Trichloroethane     | 7.780  | 97   | 7606     | 1.271  | ug/L   | 97       |
| 47) Tetrachloroethene         | 7.912  | 164  | 8324     | 1.402  | ug/L   | 97       |
| 48) 2-Hexanone                | 8.088  | 43   | 44332    | 13.074 | ug/L   | 97       |
| 49) Dibromochloromethane      | 8.185  | 129  | 7534     | 1.140  | ug/L   | 97       |
| 50) 1,2-Dibromoethane         | 8.291  | 107  | 7115     | 1.293  | ug/L   | 93       |
| 51) Chlorobenzene             | 8.818  | 112  | 26833    | 1.370  | ug/L   | 97       |
| 52) Ethylbenzene              | 8.953  | 91   | 46686    | 1.556  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.079  | 106  | 16963    | 1.549  | ug/L   | 93       |
| 54) o-Xylene                  | 9.484  | 106  | 16519    | 1.587  | ug/L   | 95       |
| 55) Styrene                   | 9.503  | 104  | 26090    | 1.398  | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.185 | 83   | 7889     | 1.280  | ug/L # | 91       |
| 59) Bromoform                 | 9.674  | 173  | 3903     | 1.130  | ug/L # | 98       |
| 60) Isopropylbenzene          | 9.873  | 105  | 44345    | 1.651  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.217 | 75   | 6366     | 1.296  | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 10.481 | 105  | 35131    | 1.599  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.857 | 105  | 34411    | 1.562  | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 11.124 | 146  | 21449    | 1.474  | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 11.214 | 146  | 21091    | 1.436  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 11.583 | 146  | 19437    | 1.416  | ug/L   | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 12.374 | 75   | 1220     | 1.292  | ug/L # | 85       |
| 69) 1,3,5-Trichlorobenzene    | 12.587 | 180  | 15324    | 1.457  | ug/L   | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.204 | 180  | 13702    | 1.511  | ug/L   | 98       |
| 71) Naphthalene               | 13.445 | 128  | 22364    | 1.627  | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 13.683 | 180  | 11104    | 1.377  | ug/L   | 98       |
| -----                         |        |      |          |        |        |          |

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

Quant Time: Sep 30 04:08:36 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092923WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Sat Sep 30 04:07:23 2023  
Response via : Initial Calibration

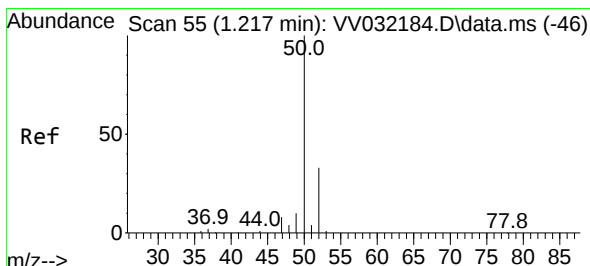
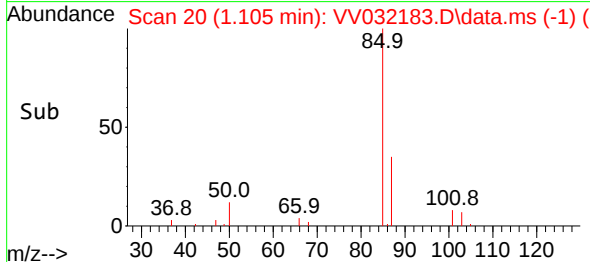
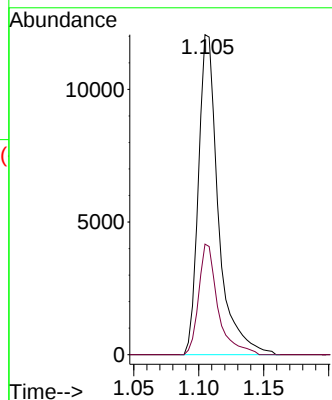
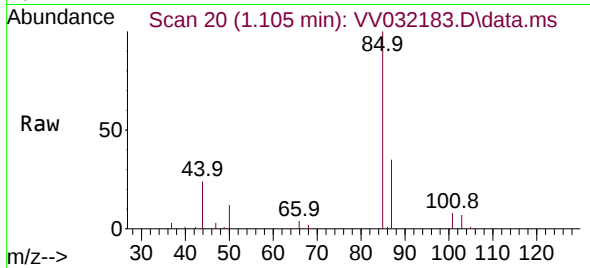




#2  
 Dichlorodifluoromethane  
 Concen: 1.203 ug/L  
 RT: 1.105 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VV032183.D  
 Acq: 29 Sep 2023 10:22

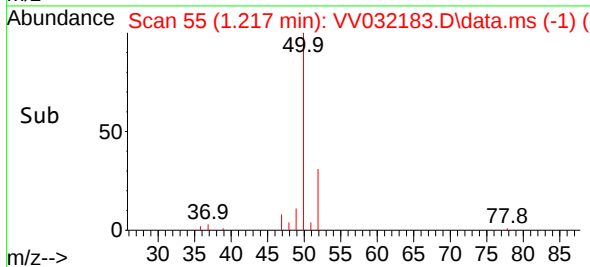
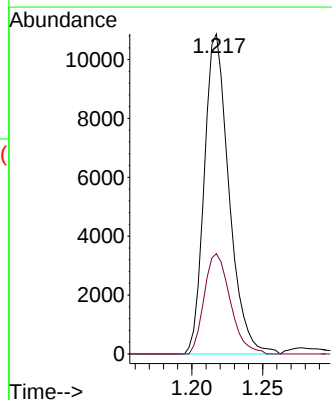
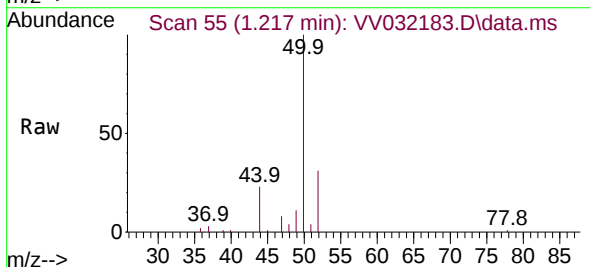
Instrument :  
 MSVOA\_V  
 ClientSampleId :

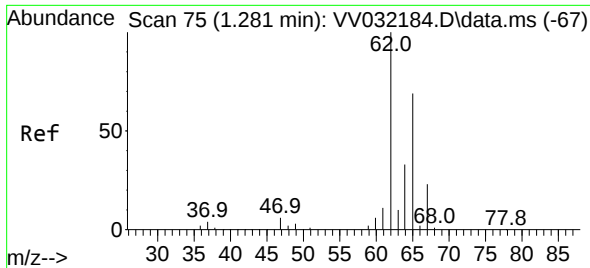
Tgt Ion: 85 Resp: 12917  
 Ion Ratio Lower Upper  
 85 100  
 87 33.4 25.5 38.3



#3  
 Chloromethane  
 Concen: 1.253 ug/L  
 RT: 1.217 min Scan# 55  
 Delta R.T. 0.000 min  
 Lab File: VV032183.D  
 Acq: 29 Sep 2023 10:22

Tgt Ion: 50 Resp: 13175  
 Ion Ratio Lower Upper  
 50 100  
 52 31.4 23.0 42.6

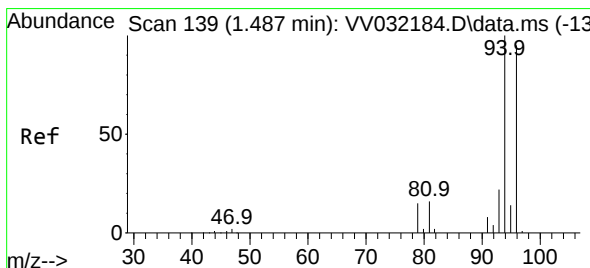
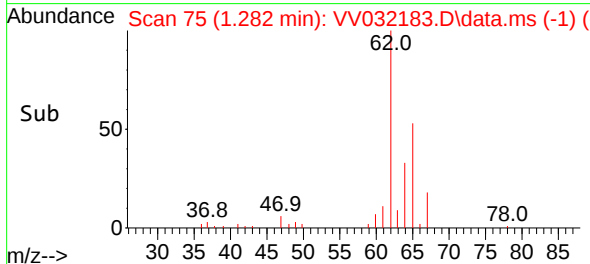
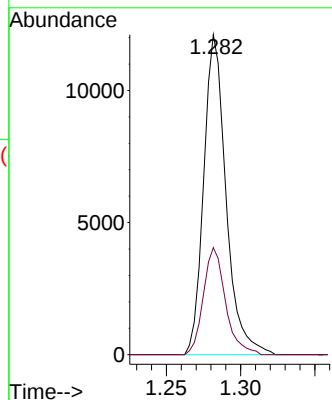
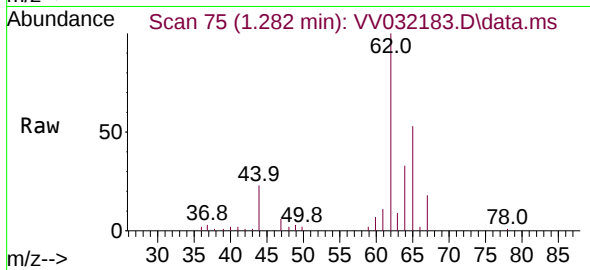




#5  
 Vinyl chloride  
 Concen: 1.234 ug/L  
 RT: 1.282 min Scan# 71  
 Delta R.T. 0.000 min  
 Lab File: VV032183.D  
 Acq: 29 Sep 2023 10:22

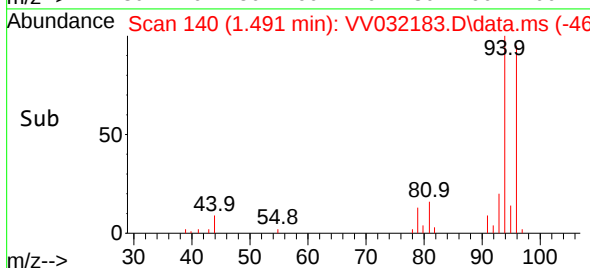
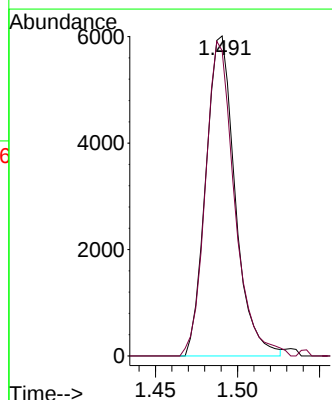
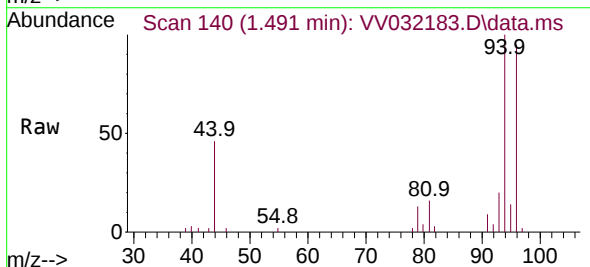
Instrument :  
 MSVOA\_V  
 ClientSampleId :

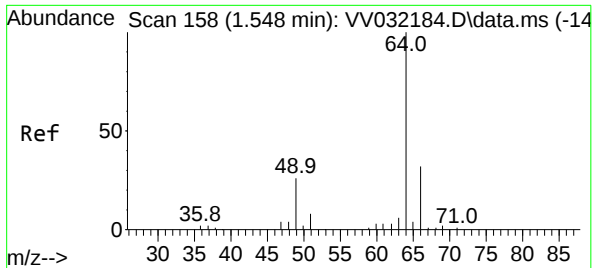
Tgt Ion: 62 Resp: 12668  
 Ion Ratio Lower Upper  
 62 100  
 64 33.4 23.1 42.9



#6  
 Bromomethane  
 Concen: 1.129 ug/L  
 RT: 1.491 min Scan# 140  
 Delta R.T. 0.003 min  
 Lab File: VV032183.D  
 Acq: 29 Sep 2023 10:22

Tgt Ion: 94 Resp: 7464  
 Ion Ratio Lower Upper  
 94 100  
 96 95.4 66.8 124.2

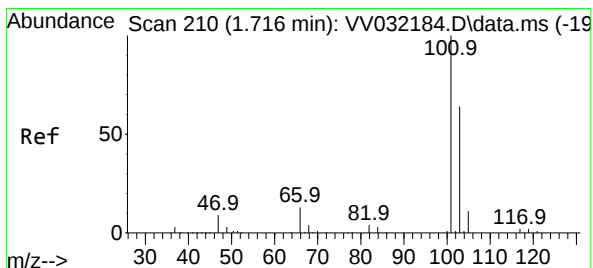
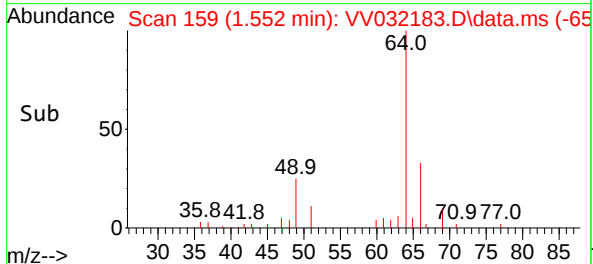
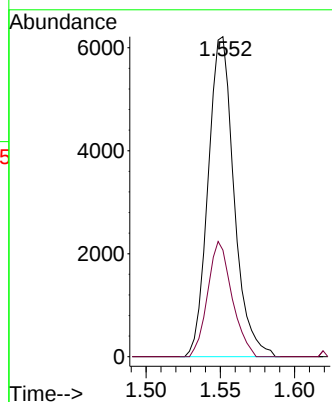
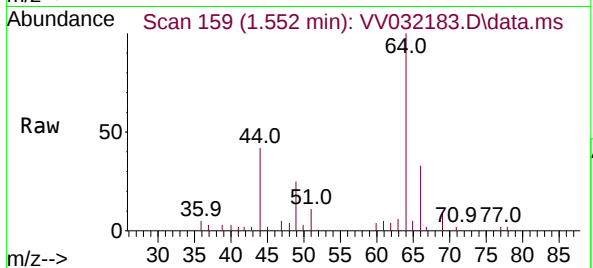




#8  
Chloroethane  
Concen: 1.196 ug/L  
RT: 1.552 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VV032183.D  
Acq: 29 Sep 2023 10:22

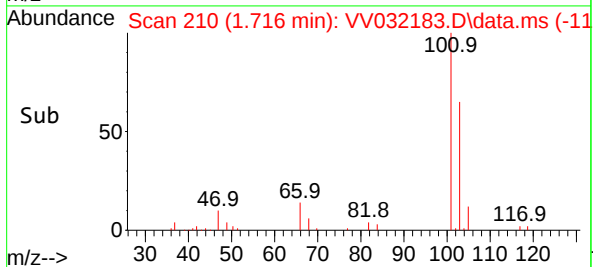
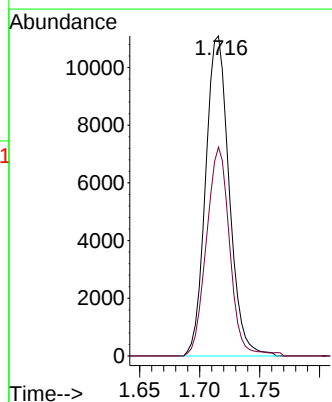
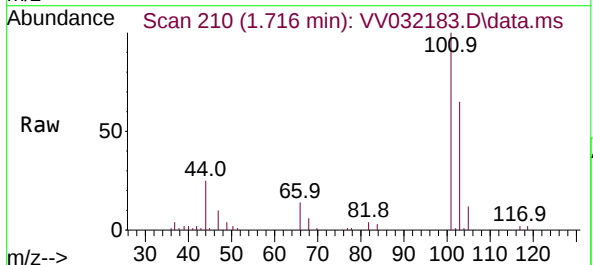
Instrument :  
MSVOA\_V  
ClientSampleId :

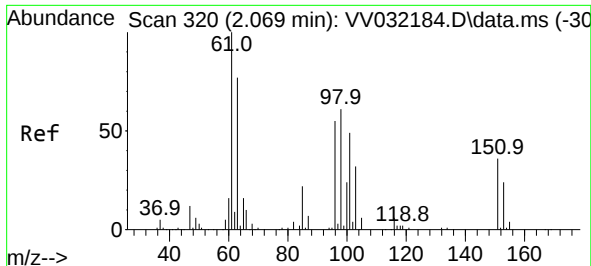
Tgt Ion: 64 Resp: 7537  
Ion Ratio Lower Upper  
64 100  
66 33.3 22.6 42.0



#9  
Trichlorofluoromethane  
Concen: 0.999 ug/L  
RT: 1.716 min Scan# 210  
Delta R.T. 0.000 min  
Lab File: VV032183.D  
Acq: 29 Sep 2023 10:22

Tgt Ion:101 Resp: 15177  
Ion Ratio Lower Upper  
101 100  
103 64.3 51.4 77.2





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.072 ug/L

RT: 2.069 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV032183.D

Acq: 29 Sep 2023 10:22

Instrument :

MSVOA\_V

ClientSampleId :

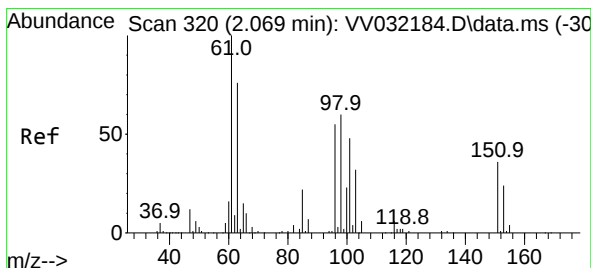
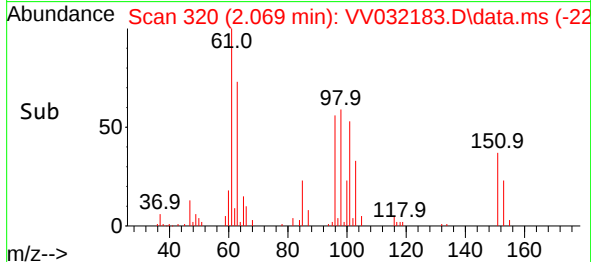
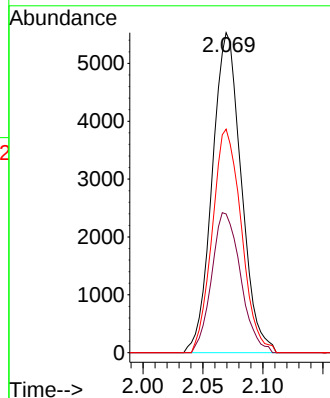
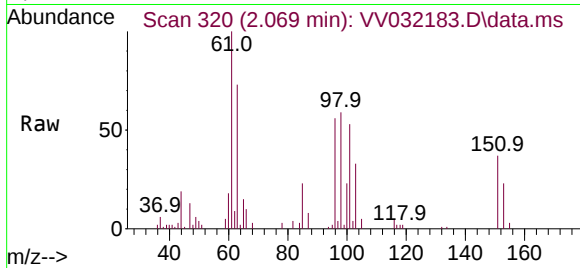
Tgt Ion:101 Resp: 9294

Ion Ratio Lower Upper

101 100

85 43.7 35.0 52.6

151 70.2 56.6 84.8



#12

1,1-Dichloroethene

Concen: 1.133 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.000 min

Lab File: VV032183.D

Acq: 29 Sep 2023 10:22

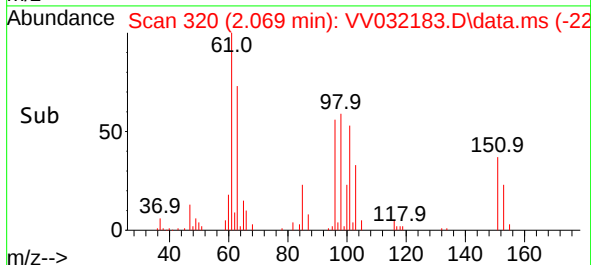
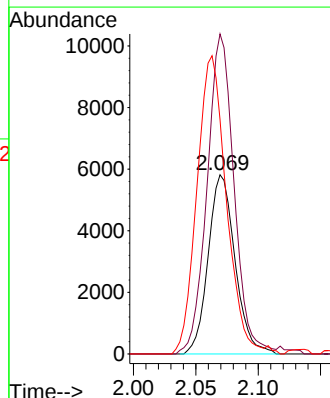
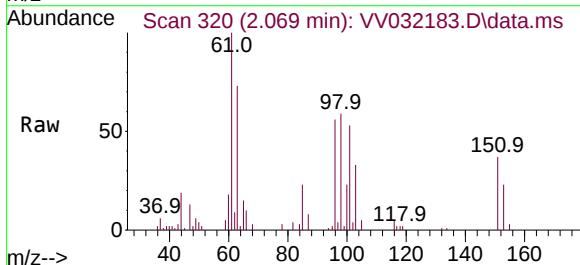
Tgt Ion: 96 Resp: 8722

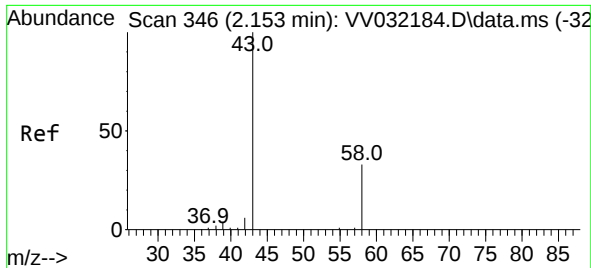
Ion Ratio Lower Upper

96 100

61 178.6 127.3 236.3

63 130.7 98.3 182.7





#13

Acetone

Concen: 11.077 ug/L

RT: 2.150 min Scan# 346

Delta R.T. -0.003 min

Lab File: VV032183.D

Acq: 29 Sep 2023 10:22

Instrument :

MSVOA\_V

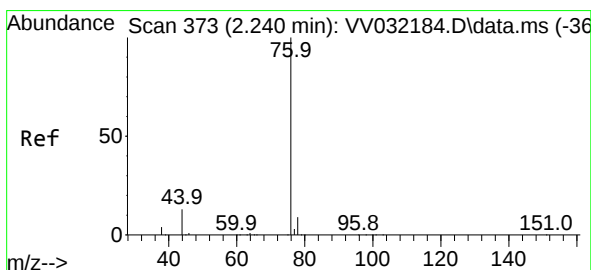
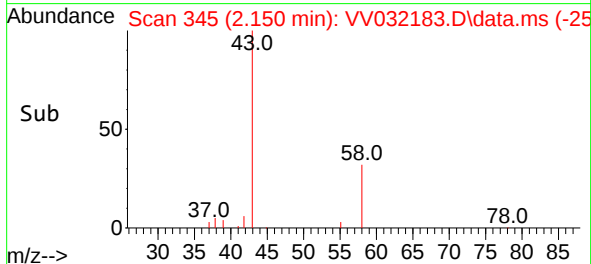
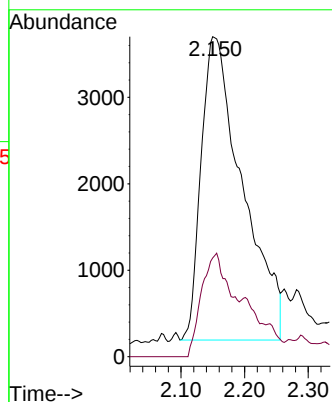
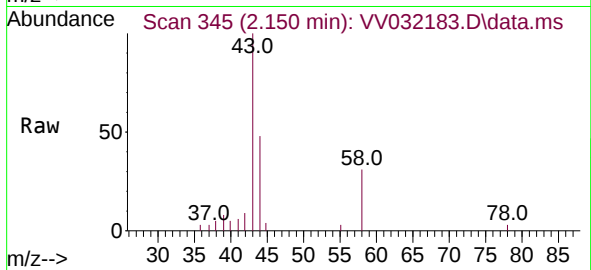
ClientSampleId :

Tgt Ion: 43 Resp: 15819

Ion Ratio Lower Upper

43 100

58 23.7 0.0 66.0



#14

Carbon disulfide

Concen: 1.337 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.000 min

Lab File: VV032183.D

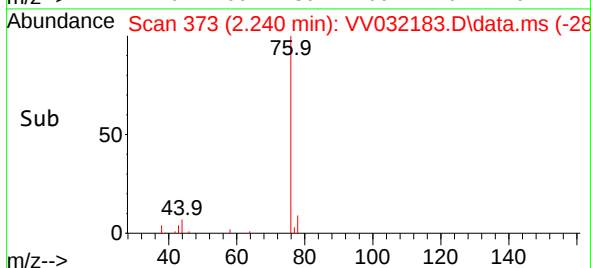
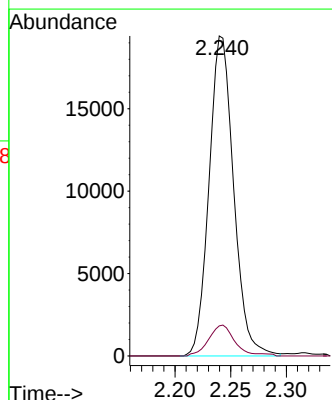
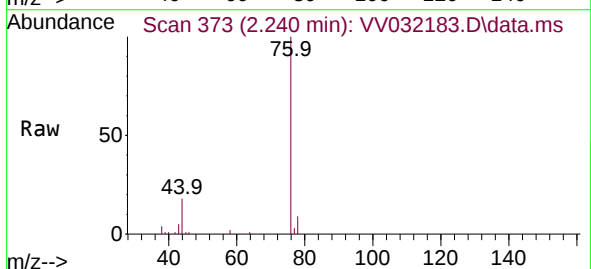
Acq: 29 Sep 2023 10:22

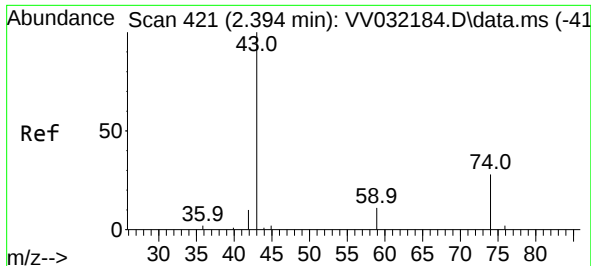
Tgt Ion: 76 Resp: 29841

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.2

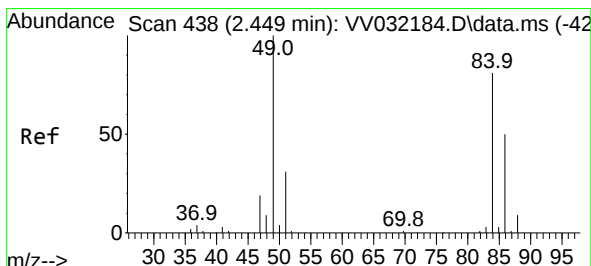
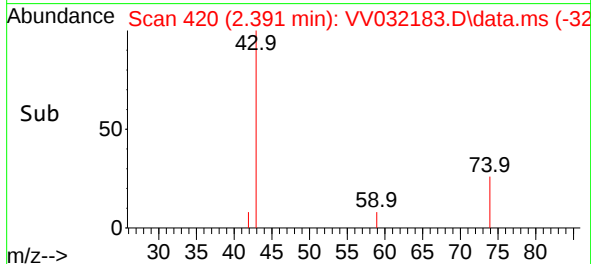
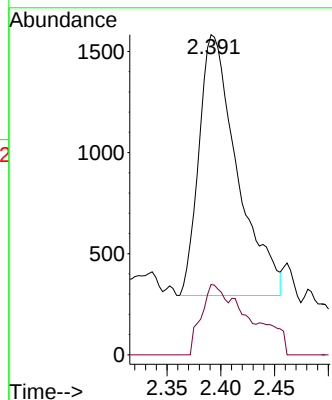
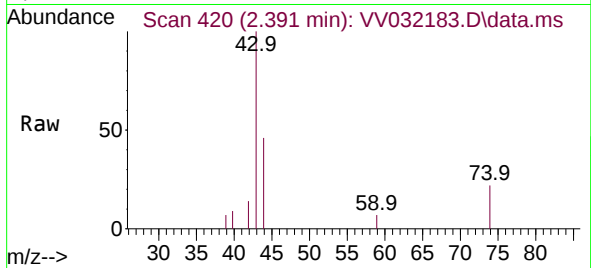




#15  
Methyl Acetate  
Concen: 0.873 ug/L  
RT: 2.391 min Scan# 41  
Delta R.T. -0.003 min  
Lab File: VV032183.D  
Acq: 29 Sep 2023 10:22

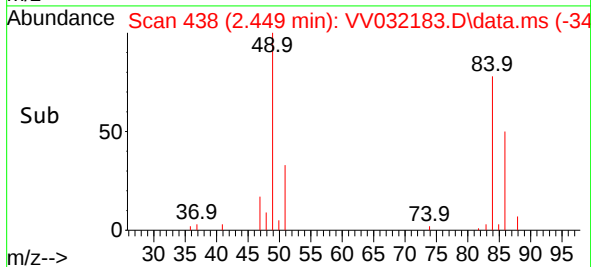
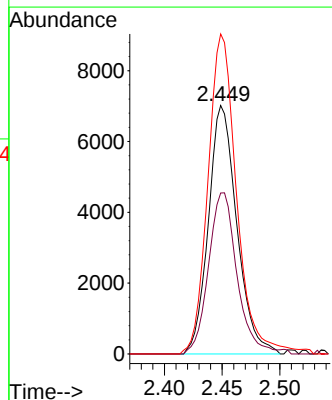
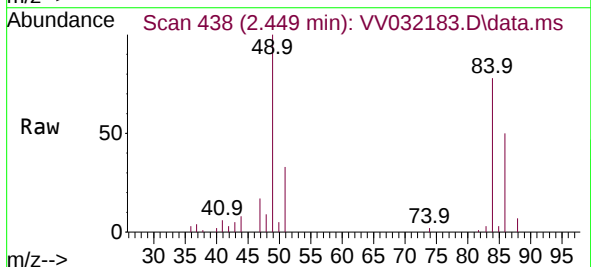
Instrument :  
MSVOA\_V  
ClientSampleId :

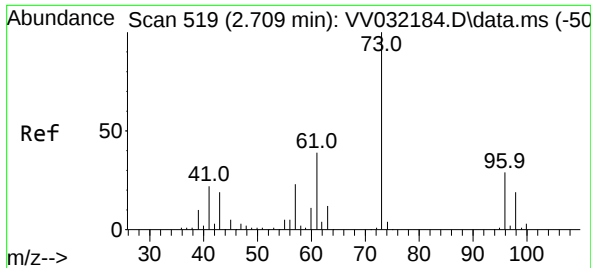
Tgt Ion: 43 Resp: 3194  
Ion Ratio Lower Upper  
43 100  
74 17.2 18.0 27.0#



#16  
Methylene chloride  
Concen: 1.171 ug/L  
RT: 2.449 min Scan# 438  
Delta R.T. 0.000 min  
Lab File: VV032183.D  
Acq: 29 Sep 2023 10:22

Tgt Ion: 84 Resp: 12033  
Ion Ratio Lower Upper  
84 100  
86 64.8 43.2 80.2  
49 128.8 86.3 160.3

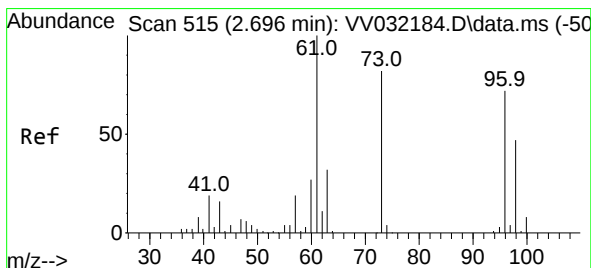
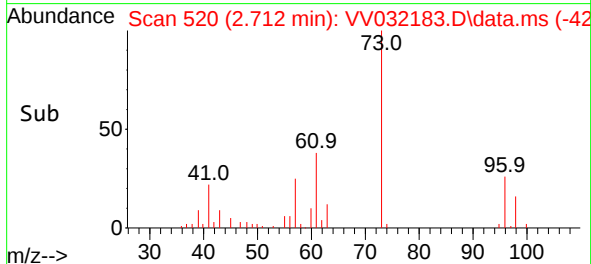
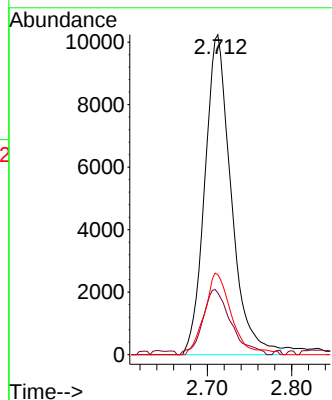
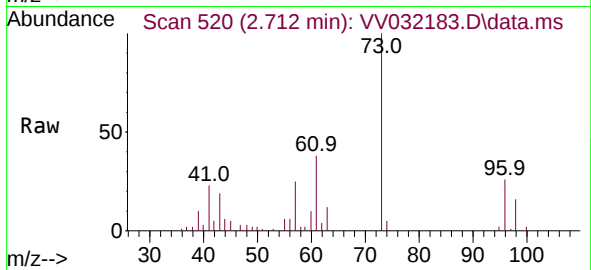




#17  
Methyl tert-butyl Ether  
Concen: 1.312 ug/L  
RT: 2.712 min Scan# 519  
Delta R.T. 0.003 min  
Lab File: VV032183.D  
Acq: 29 Sep 2023 10:22

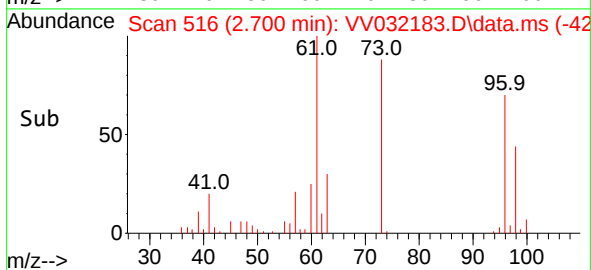
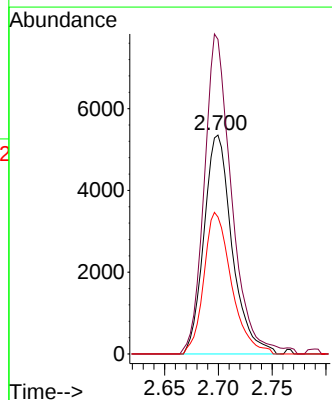
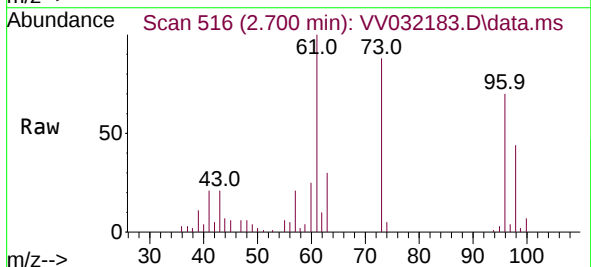
Instrument :  
MSVOA\_V  
ClientSampleId :

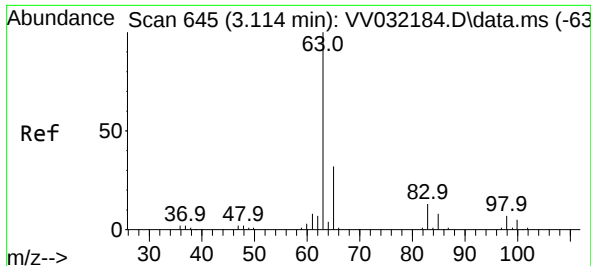
Tgt Ion: 73 Resp: 22274  
Ion Ratio Lower Upper  
73 100  
43 21.8 15.1 22.7  
57 25.2 18.3 27.5



#18  
trans-1,2-Dichloroethene  
Concen: 1.296 ug/L  
RT: 2.700 min Scan# 516  
Delta R.T. 0.003 min  
Lab File: VV032183.D  
Acq: 29 Sep 2023 10:22

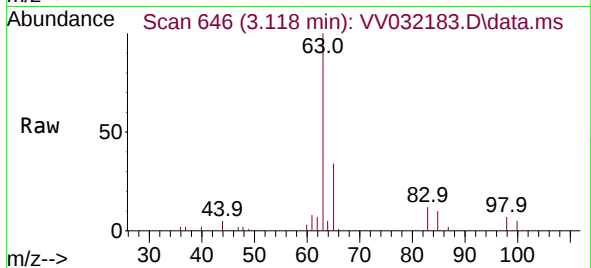
Tgt Ion: 96 Resp: 9746  
Ion Ratio Lower Upper  
96 100  
61 143.8 96.9 180.1  
98 62.6 45.3 84.1



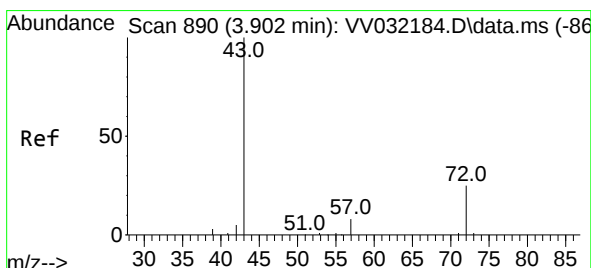
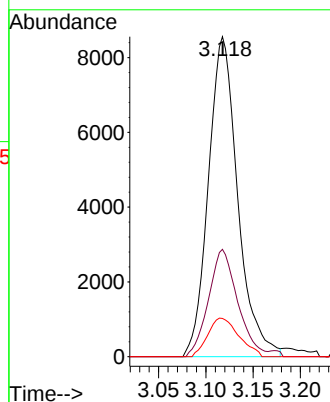
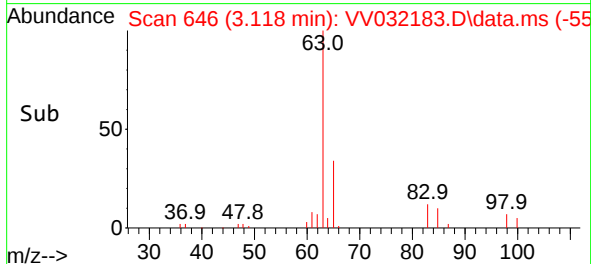


#19  
1,1-Dichloroethane  
Concen: 1.194 ug/L  
RT: 3.118 min Scan# 645  
Delta R.T. 0.003 min  
Lab File: VV032183.D  
Acq: 29 Sep 2023 10:22

Instrument :  
MSVOA\_V  
ClientSampleId :

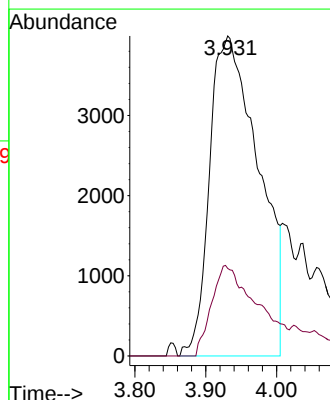
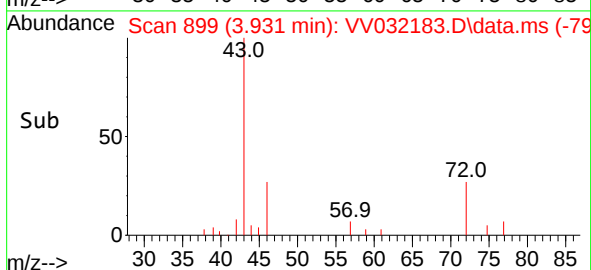
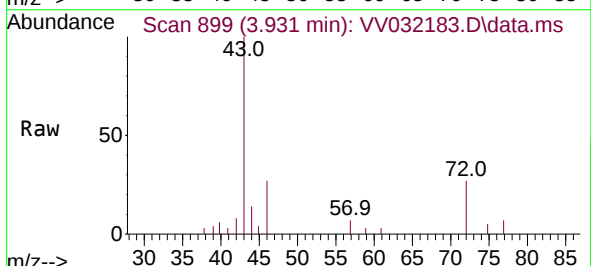


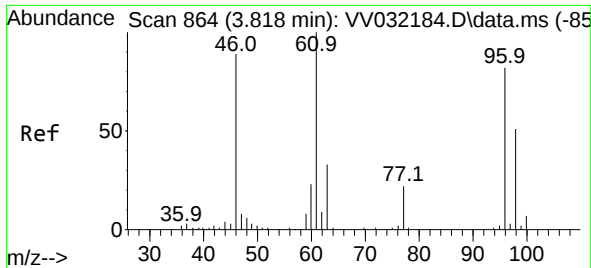
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 63    | Resp: | 18460 |
| Ion Ratio | Lower | Upper |       |
| 63        | 100   |       |       |
| 65        | 33.5  | 22.3  | 41.5  |
| 83        | 12.0  | 9.0   | 16.6  |



#21  
2-Butanone  
Concen: 9.568 ug/L  
RT: 3.931 min Scan# 899  
Delta R.T. 0.029 min  
Lab File: VV032183.D  
Acq: 29 Sep 2023 10:22

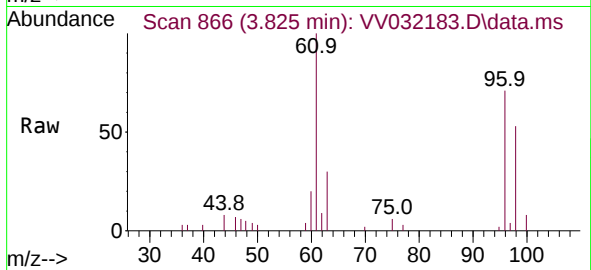
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 19176 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 72        | 27.1  | 11.6  | 34.8  |



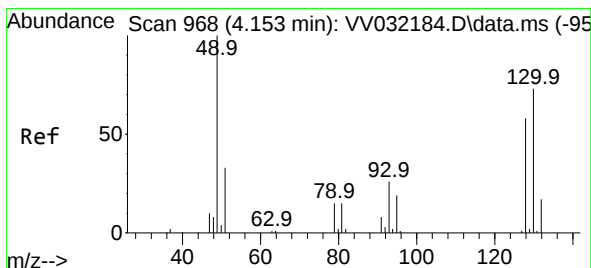
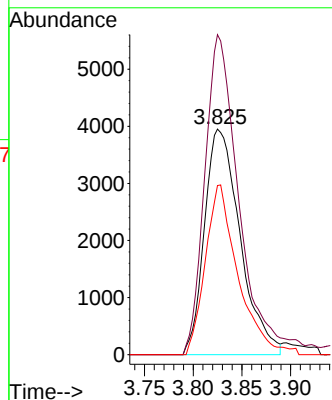
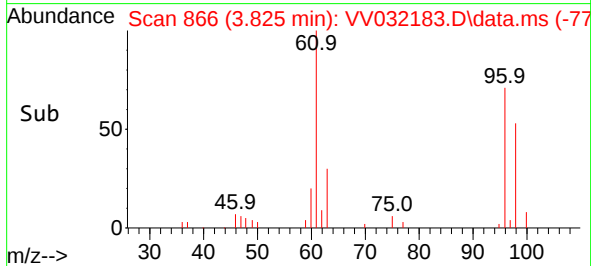


#22  
 cis-1,2-Dichloroethene  
 Concen: 1.291 ug/L  
 RT: 3.825 min Scan# 80  
 Delta R.T. 0.007 min  
 Lab File: VV032183.D  
 Acq: 29 Sep 2023 10:22

Instrument :  
 MSVOA\_V  
 ClientSampleId :

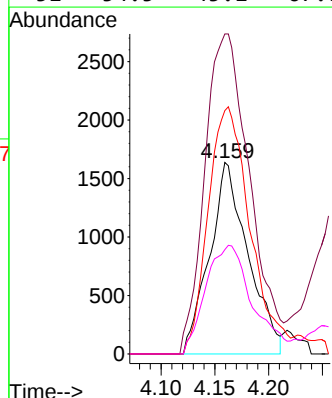
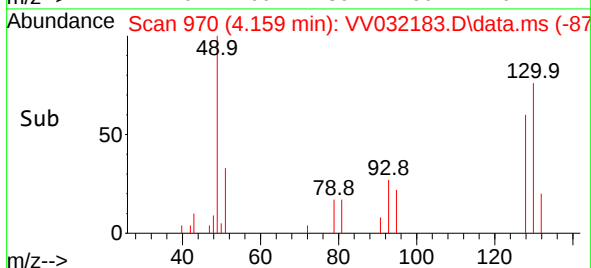
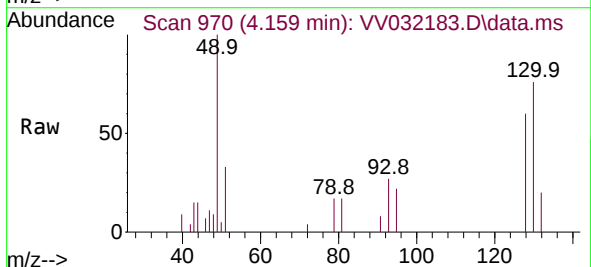


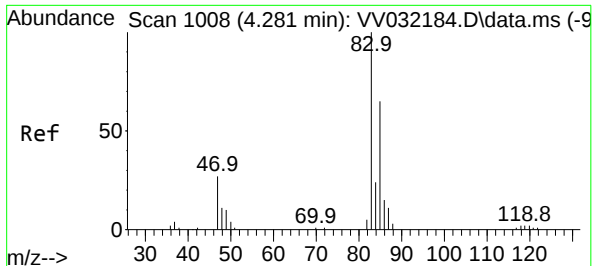
Tgt Ion: 96 Resp: 10056  
 Ion Ratio Lower Upper  
 96 100  
 61 141.8 85.8 159.4  
 98 74.9 44.0 81.6



#23  
 Bromochloromethane  
 Concen: 1.084 ug/L  
 RT: 4.159 min Scan# 970  
 Delta R.T. 0.007 min  
 Lab File: VV032183.D  
 Acq: 29 Sep 2023 10:22

Tgt Ion: 128 Resp: 4076  
 Ion Ratio Lower Upper  
 128 100  
 49 167.1 121.2 225.0  
 130 127.1 88.2 163.8  
 51 54.5 45.1 67.7





#25

Chloroform

Concen: 1.137 ug/L

RT: 4.285 min Scan# 1008

Delta R.T. 0.003 min

Lab File: VV032183.D

Acq: 29 Sep 2023 10:22

Instrument :

MSVOA\_V

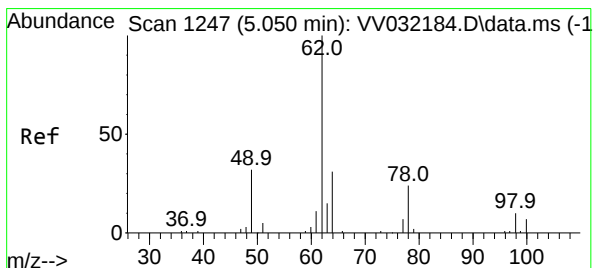
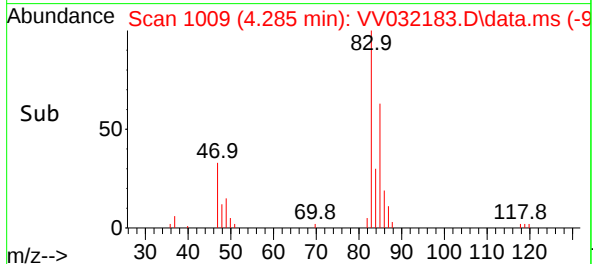
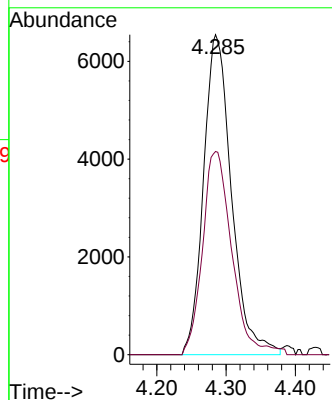
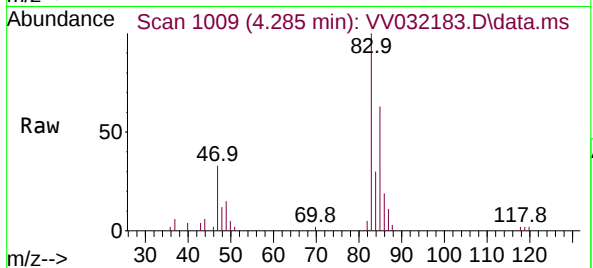
ClientSampleId :

Tgt Ion: 83 Resp: 18337

Ion Ratio Lower Upper

83 100

85 63.5 45.4 84.4



#27

1,2-Dichloroethane

Concen: 1.128 ug/L

RT: 5.056 min Scan# 1249

Delta R.T. 0.007 min

Lab File: VV032183.D

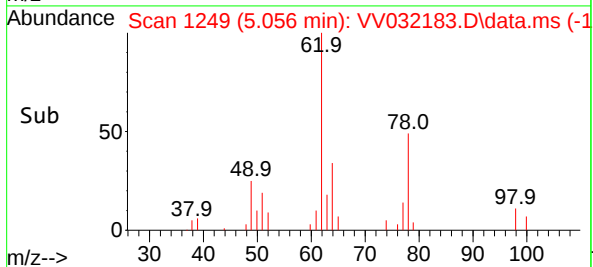
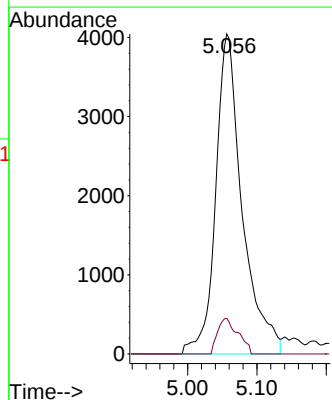
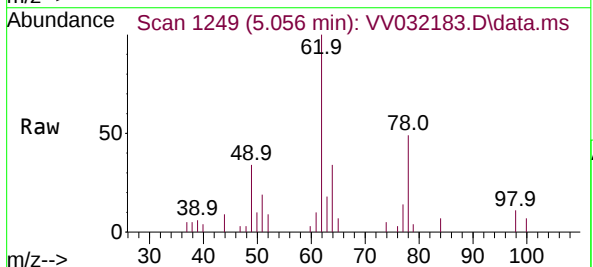
Acq: 29 Sep 2023 10:22

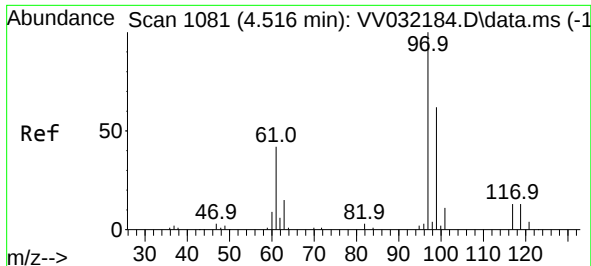
Tgt Ion: 62 Resp: 10746

Ion Ratio Lower Upper

62 100

98 11.1 7.8 11.8

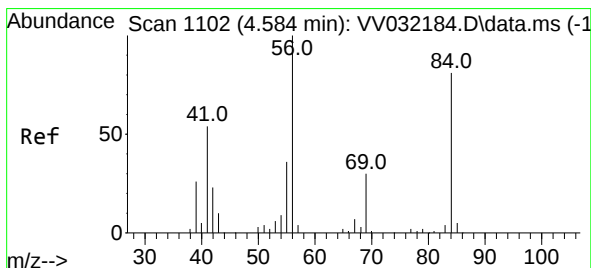
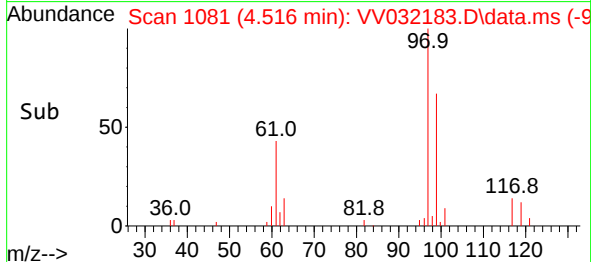
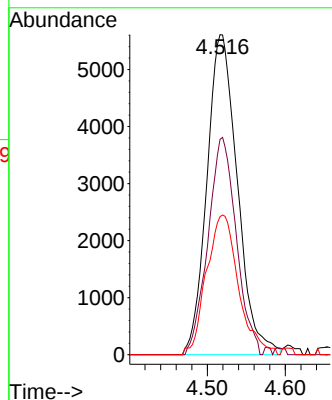
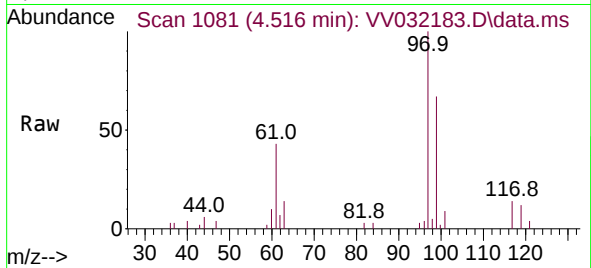




#29  
1,1,1-Trichloroethane  
Concen: 1.164 ug/L  
RT: 4.516 min Scan# 1081  
Delta R.T. 0.000 min  
Lab File: VV032183.D  
Acq: 29 Sep 2023 10:22

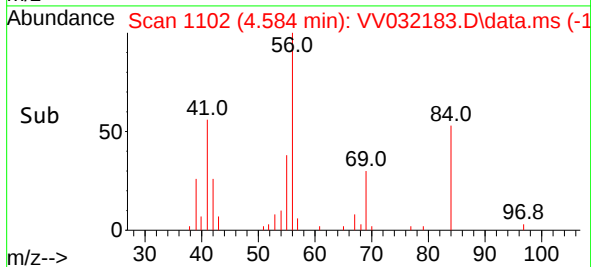
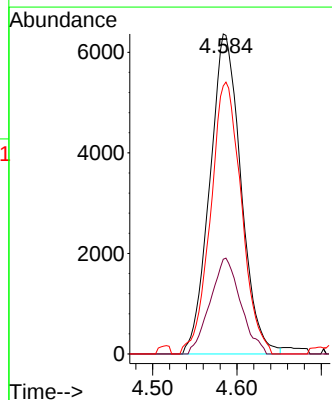
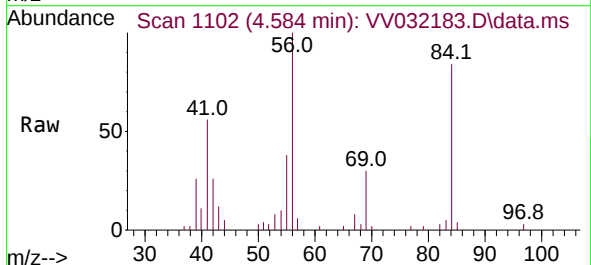
Instrument :  
MSVOA\_V  
ClientSampleId :

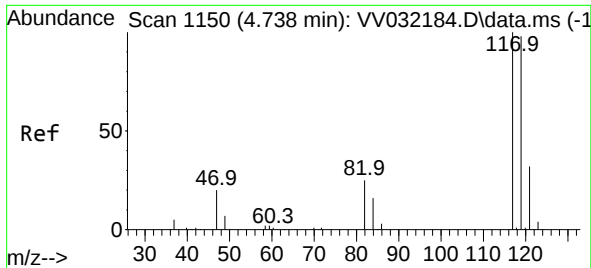
Tgt Ion: 97 Resp: 15253  
Ion Ratio Lower Upper  
97 100  
99 63.0 50.1 75.1  
61 45.9 35.1 52.7



#30  
Cyclohexane  
Concen: 1.576 ug/L  
RT: 4.584 min Scan# 1102  
Delta R.T. 0.000 min  
Lab File: VV032183.D  
Acq: 29 Sep 2023 10:22

Tgt Ion: 56 Resp: 16326  
Ion Ratio Lower Upper  
56 100  
69 29.3 24.2 36.2  
84 84.0 68.1 102.1

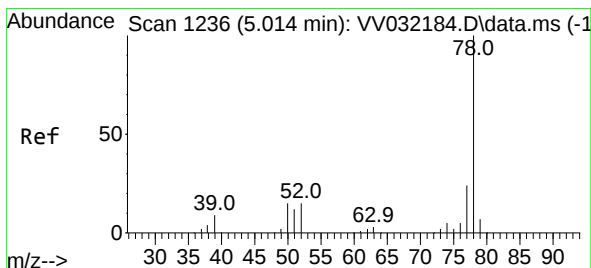
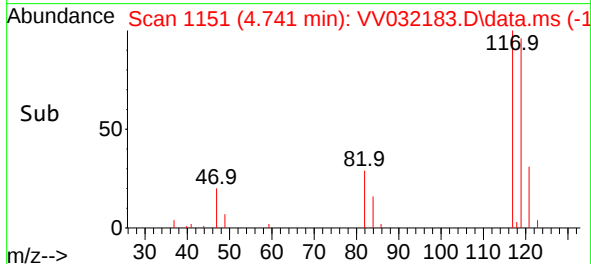
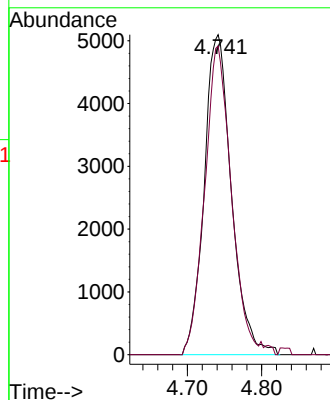
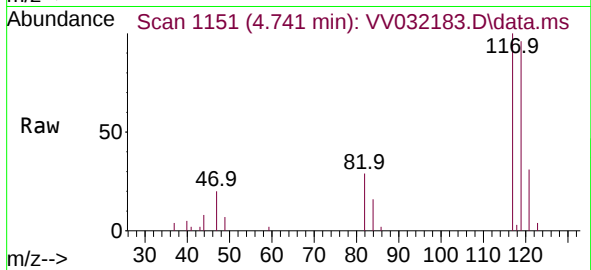




#31  
Carbon tetrachloride  
Concen: 1.150 ug/L  
RT: 4.741 min Scan# 1150  
Delta R.T. 0.003 min  
Lab File: VV032183.D  
Acq: 29 Sep 2023 10:22

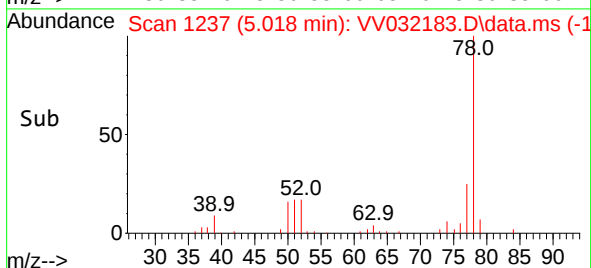
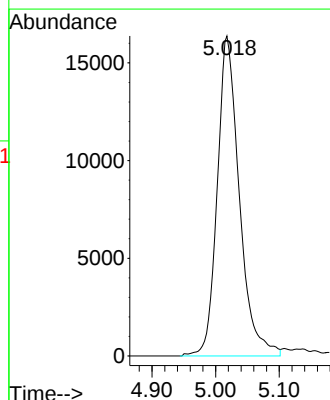
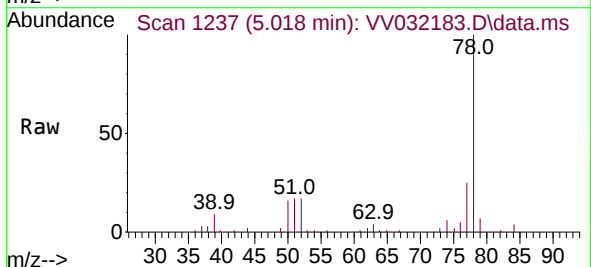
Instrument :  
MSVOA\_V  
ClientSampleId :

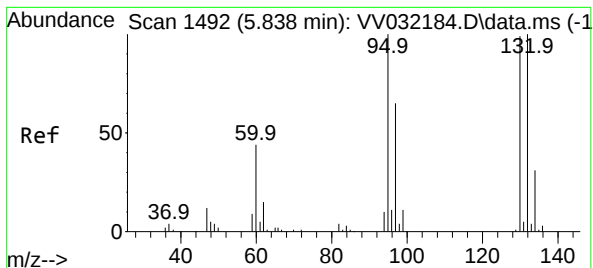
Tgt Ion:117 Resp: 13012  
Ion Ratio Lower Upper  
117 100  
119 93.9 77.6 116.4



#33  
Benzene  
Concen: 1.378 ug/L  
RT: 5.018 min Scan# 1237  
Delta R.T. 0.003 min  
Lab File: VV032183.D  
Acq: 29 Sep 2023 10:22

Tgt Ion: 78 Resp: 39535





#34

Trichloroethene

Concen: 1.288 ug/L

RT: 5.844 min Scan# 1494

Delta R.T. 0.007 min

Lab File: VV032183.D

Acq: 29 Sep 2023 10:22

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 95 Resp: 10474

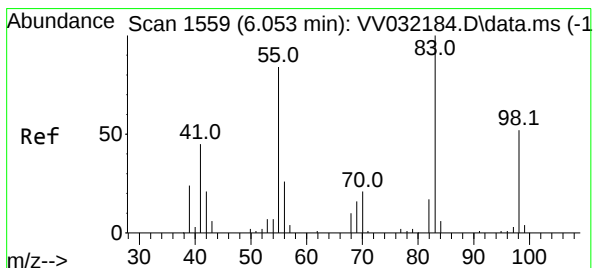
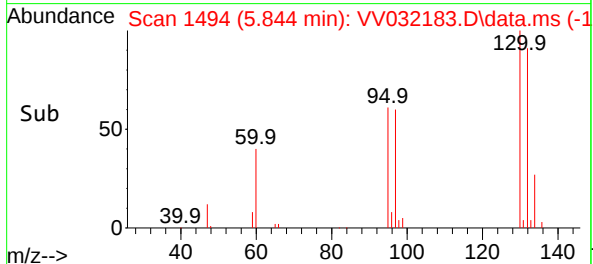
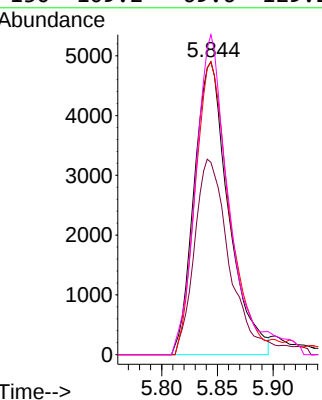
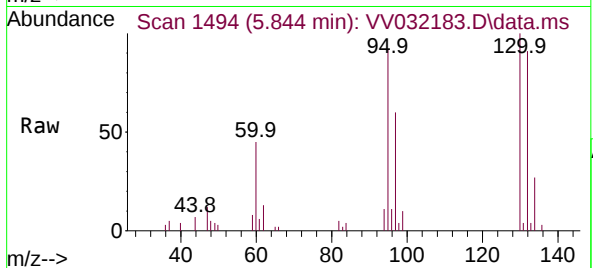
Ion Ratio Lower Upper

95 100

97 65.7 45.7 84.9

132 99.9 70.3 130.5

130 109.2 69.6 129.2



#35

Methylcyclohexane

Concen: 1.665 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. 0.000 min

Lab File: VV032183.D

Acq: 29 Sep 2023 10:22

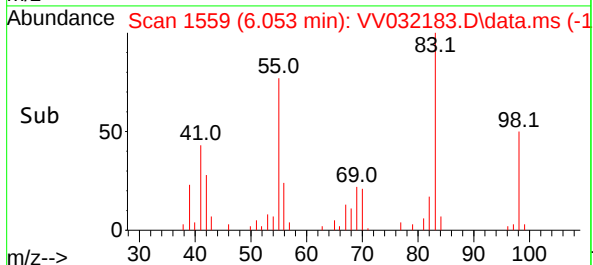
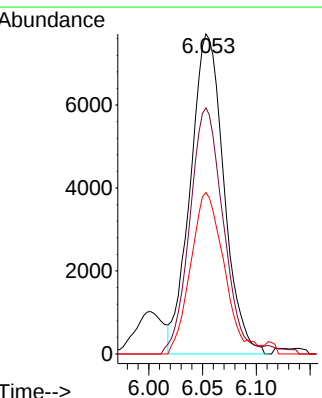
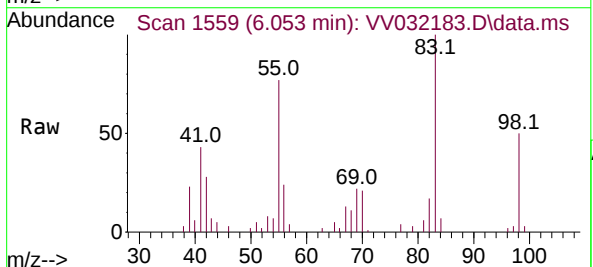
Tgt Ion: 83 Resp: 16702

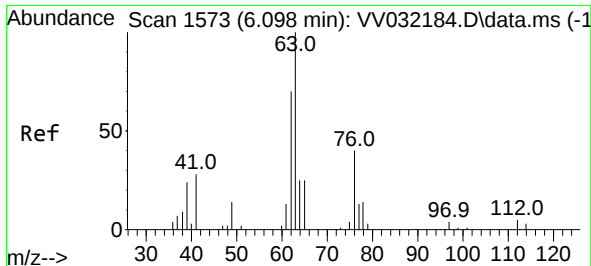
Ion Ratio Lower Upper

83 100

55 76.5 64.2 96.2

98 50.8 39.6 59.4





#37

1,2-Dichloropropane

Concen: 1.335 ug/L

RT: 6.101 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV032183.D

Acq: 29 Sep 2023 10:22

Instrument :

MSVOA\_V

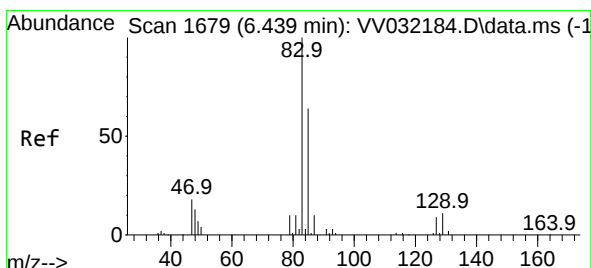
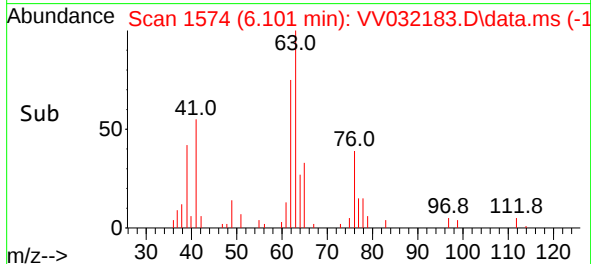
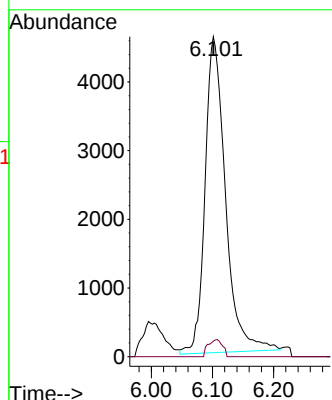
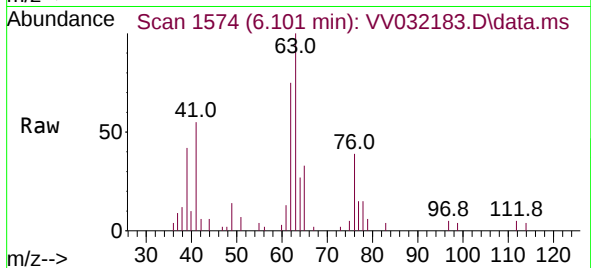
ClientSampleId :

Tgt Ion: 63 Resp: 10664

Ion Ratio Lower Upper

63 100

112 3.8 3.4 5.2



#38

Bromodichloromethane

Concen: 1.182 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. 0.003 min

Lab File: VV032183.D

Acq: 29 Sep 2023 10:22

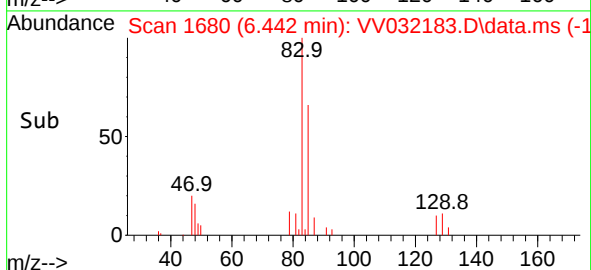
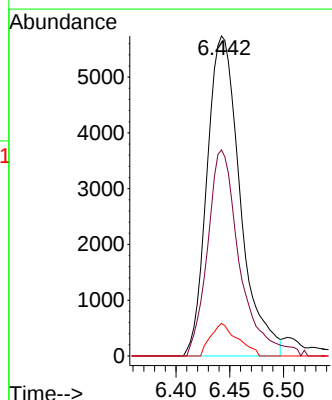
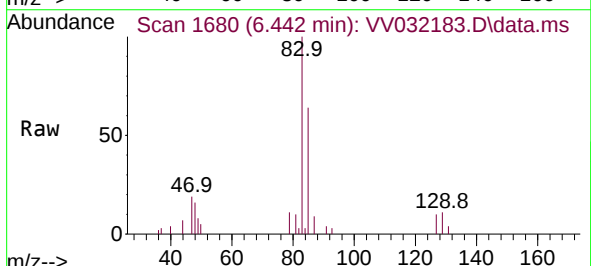
Tgt Ion: 83 Resp: 12307

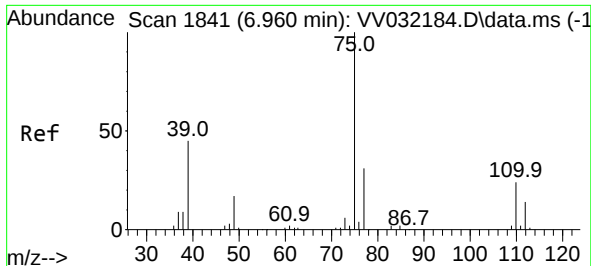
Ion Ratio Lower Upper

83 100

85 64.4 44.9 83.3

127 10.1 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 1.374 ug/L

RT: 6.966 min Scan# 11

Delta R.T. 0.007 min

Lab File: VV032183.D

Acq: 29 Sep 2023 10:22

Instrument :

MSVOA\_V

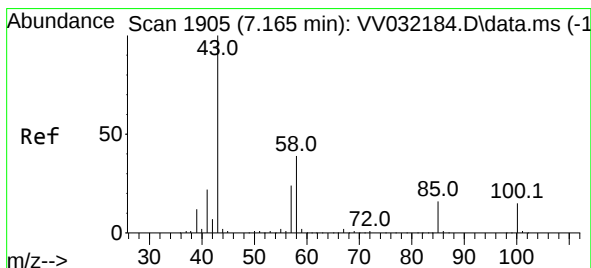
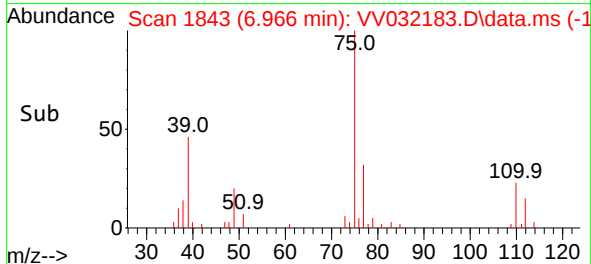
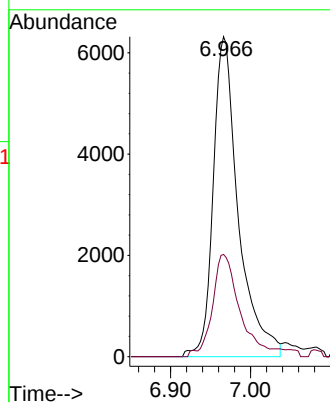
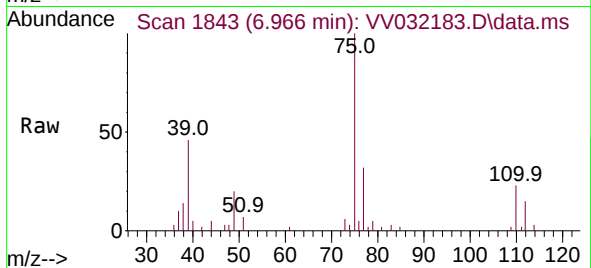
ClientSampleId :

Tgt Ion: 75 Resp: 13785

Ion Ratio Lower Upper

75 100

77 32.0 22.2 41.2



#40

4-Methyl-2-pentanone

Concen: 14.664 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. 0.003 min

Lab File: VV032183.D

Acq: 29 Sep 2023 10:22

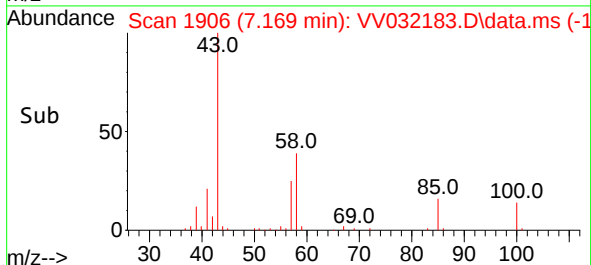
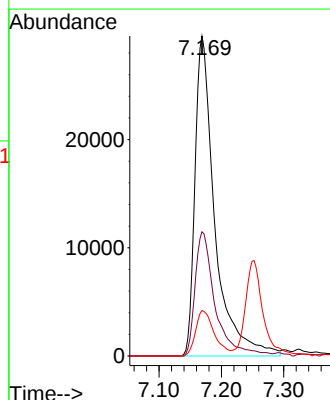
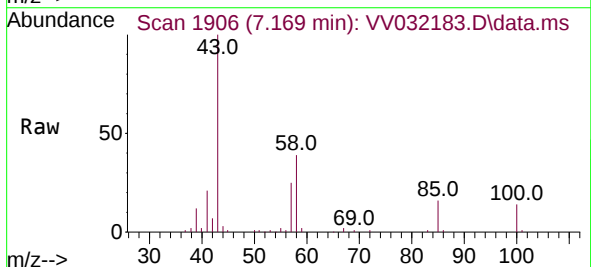
Tgt Ion: 43 Resp: 65173

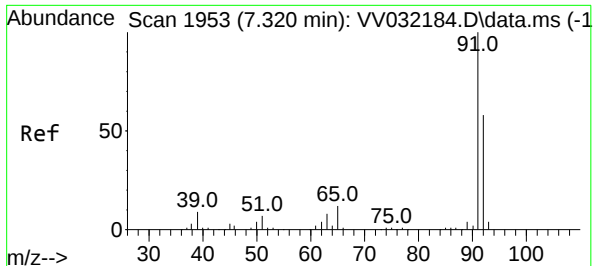
Ion Ratio Lower Upper

43 100

58 39.1 31.9 47.9

100 13.3 11.3 16.9





#42

Toluene

Concen: 1.445 ug/L

RT: 7.323 min Scan# 1953

Delta R.T. 0.003 min

Lab File: VV032183.D

Acq: 29 Sep 2023 10:22

Instrument :

MSVOA\_V

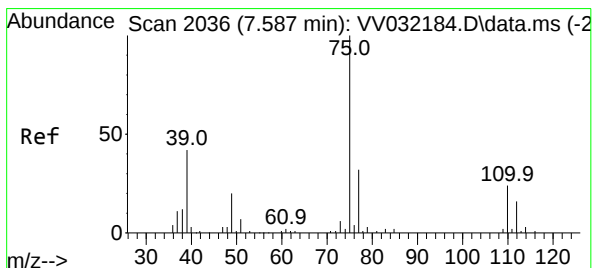
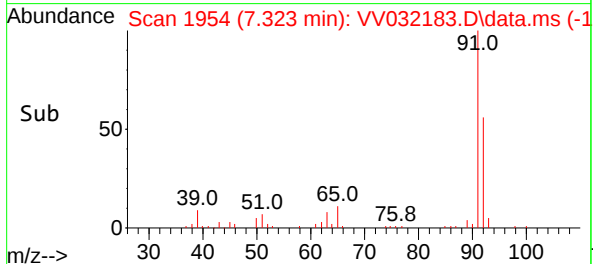
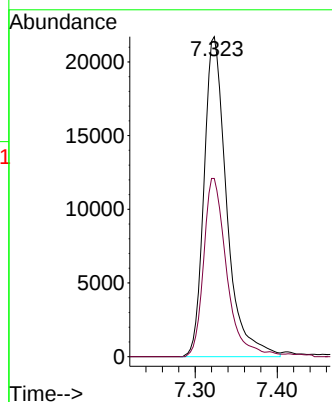
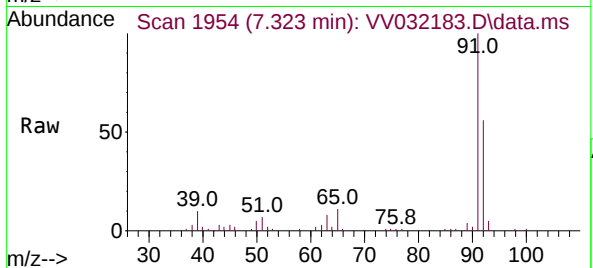
ClientSampleId :

Tgt Ion: 91 Resp: 41550

Ion Ratio Lower Upper

91 100

92 55.7 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 1.373 ug/L

RT: 7.593 min Scan# 2038

Delta R.T. 0.007 min

Lab File: VV032183.D

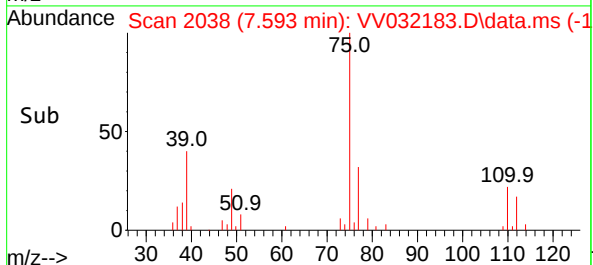
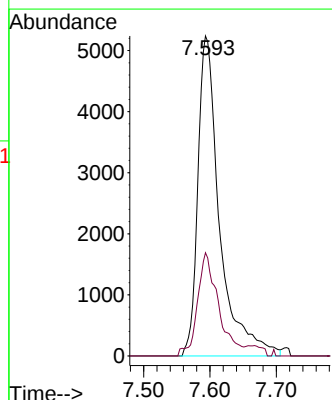
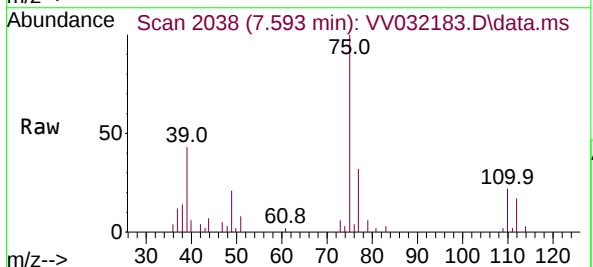
Acq: 29 Sep 2023 10:22

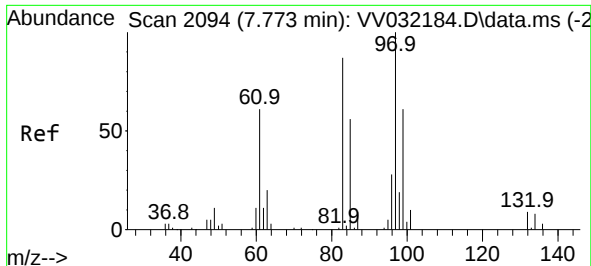
Tgt Ion: 75 Resp: 11915

Ion Ratio Lower Upper

75 100

77 32.3 22.5 41.7

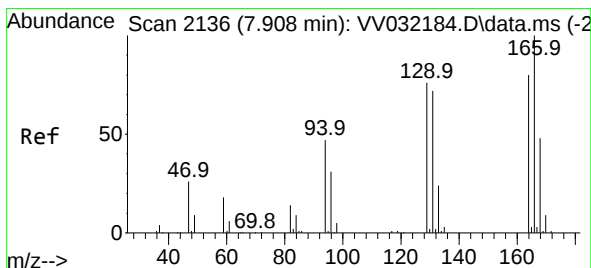
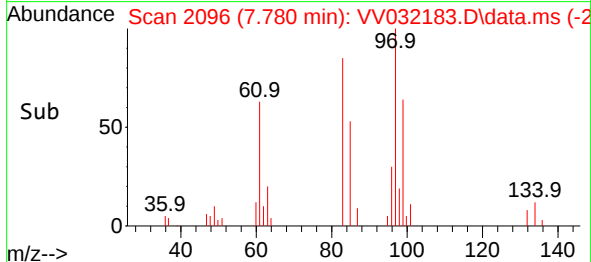
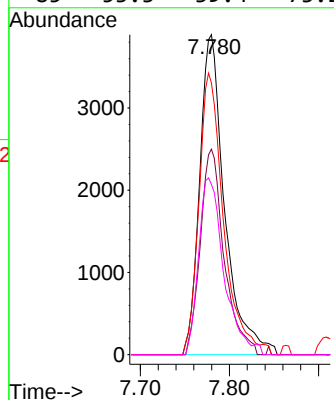
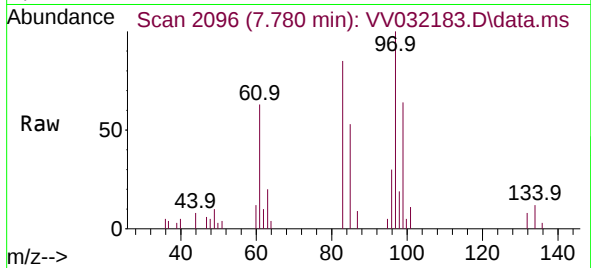




#45  
1,1,2-Trichloroethane  
Concen: 1.271 ug/L  
RT: 7.780 min Scan# 2094  
Delta R.T. 0.007 min  
Lab File: VV032183.D  
Acq: 29 Sep 2023 10:22

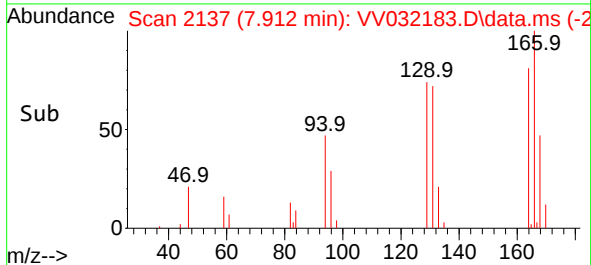
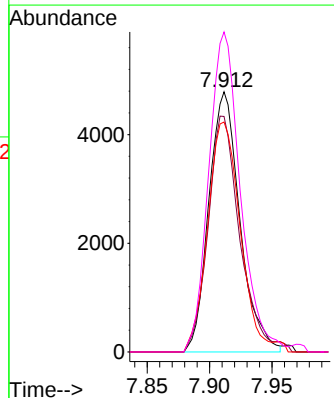
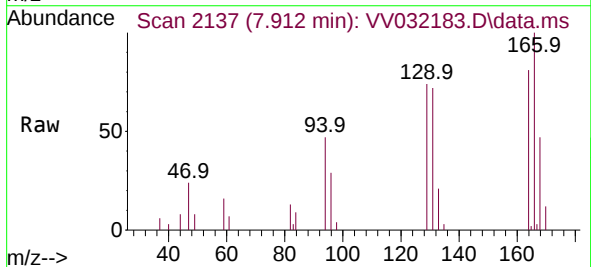
Instrument :  
MSVOA\_V  
ClientSampleId :

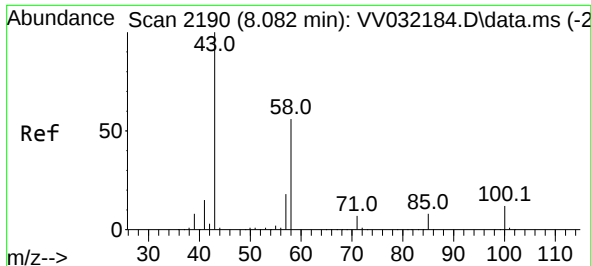
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 7606  |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 64.3     | 42.8 79.4   |
| 83 84.9     | 60.9 113.1  |
| 85 53.3     | 39.4 73.2   |



#47  
Tetrachloroethene  
Concen: 1.402 ug/L  
RT: 7.912 min Scan# 2137  
Delta R.T. 0.003 min  
Lab File: VV032183.D  
Acq: 29 Sep 2023 10:22

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:164 | Resp: | 8324  |
| Ion | Ratio   | Lower | Upper |
| 164 | 100     |       |       |
| 129 | 90.5    | 66.4  | 123.4 |
| 131 | 88.3    | 63.7  | 118.3 |
| 166 | 123.0   | 87.9  | 163.3 |

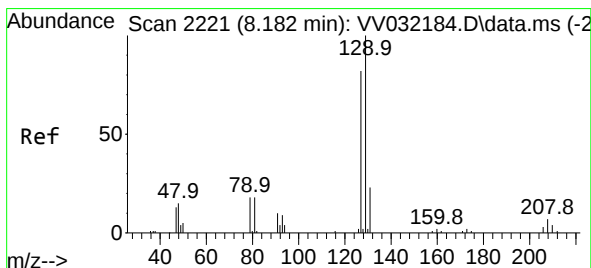
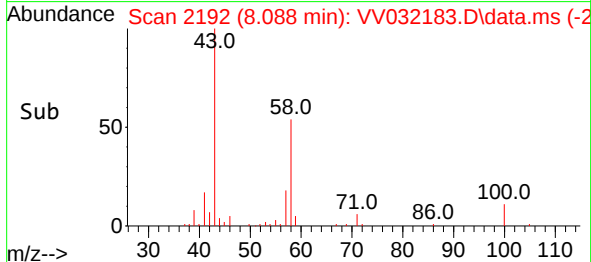
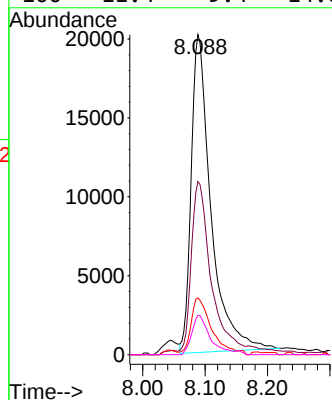
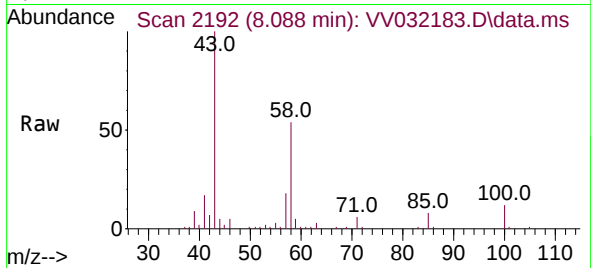




#48  
2-Hexanone  
Concen: 13.074 ug/L  
RT: 8.088 min Scan# 2190  
Delta R.T. 0.007 min  
Lab File: VV032183.D  
Acq: 29 Sep 2023 10:22

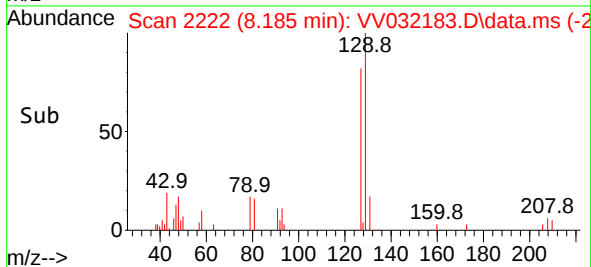
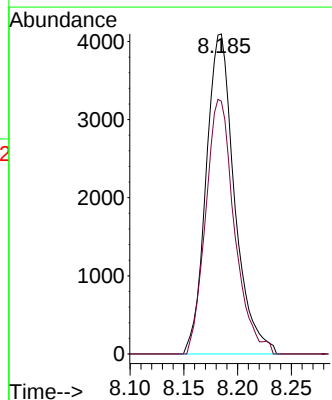
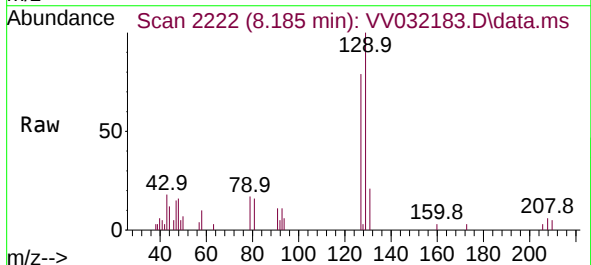
Instrument :  
MSVOA\_V  
ClientSampleId :

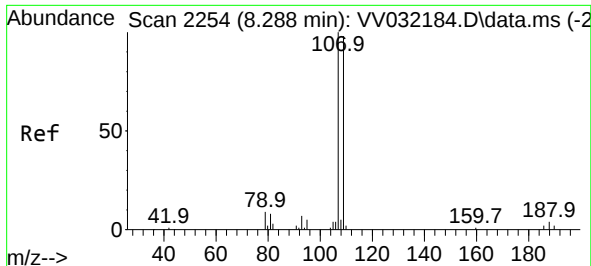
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 44332 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 52.1     | 43.6 65.4   |
| 57 16.9     | 14.6 22.0   |
| 100 11.4    | 9.4 14.0    |



#49  
Dibromochloromethane  
Concen: 1.140 ug/L  
RT: 8.185 min Scan# 2222  
Delta R.T. 0.003 min  
Lab File: VV032183.D  
Acq: 29 Sep 2023 10:22

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion:129 | Resp: | 7534  |       |
| Ion         | Ratio | Lower | Upper |
| 129         | 100   |       |       |
| 127         | 79.0  | 57.2  | 106.2 |





#50

1,2-Dibromoethane

Concen: 1.293 ug/L

RT: 8.291 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV032183.D

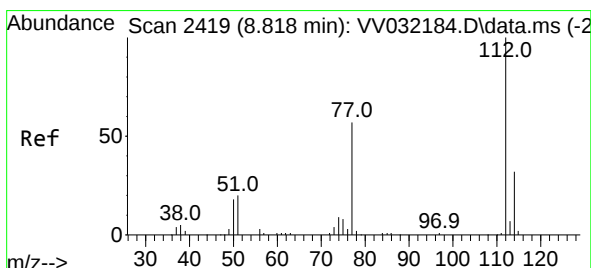
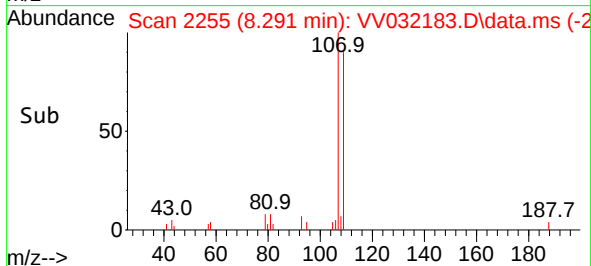
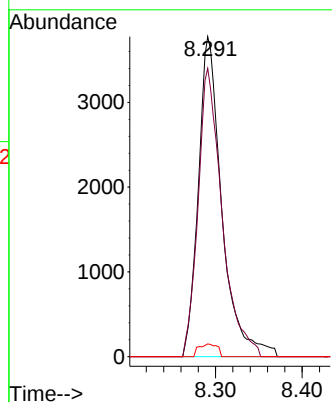
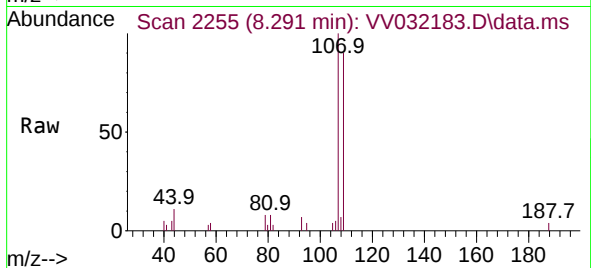
Acq: 29 Sep 2023 10:22

Instrument :

MSVOA\_V

ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:107 | Resp: | 7115        |
| Ion         | Ratio | Lower Upper |
| 107         | 100   |             |
| 109         | 90.1  | 68.4 127.0  |
| 188         | 4.0   | 3.2 4.8     |



#51

Chlorobenzene

Concen: 1.370 ug/L

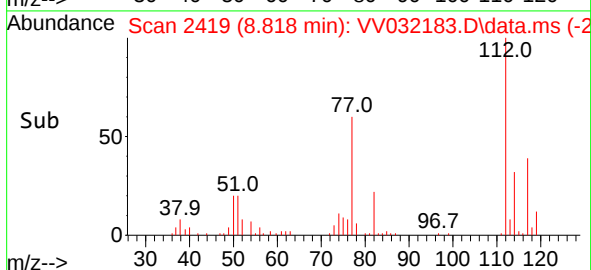
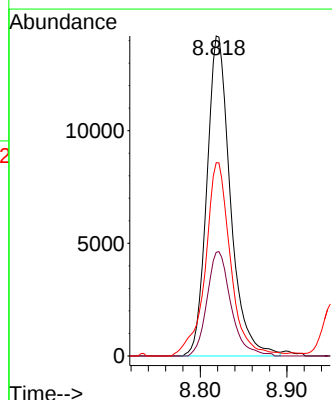
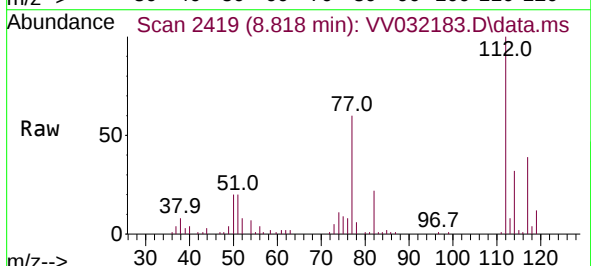
RT: 8.818 min Scan# 2419

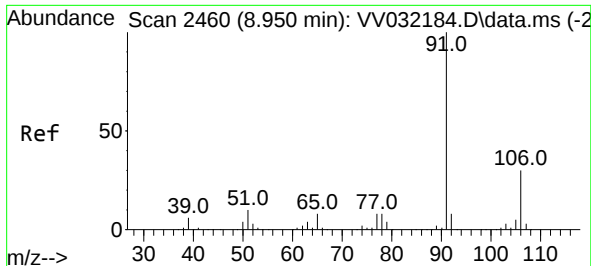
Delta R.T. 0.000 min

Lab File: VV032183.D

Acq: 29 Sep 2023 10:22

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:112 | Resp: | 26833       |
| Ion         | Ratio | Lower Upper |
| 112         | 100   |             |
| 114         | 32.4  | 22.1 41.1   |
| 77          | 60.4  | 46.1 69.1   |





#52

Ethylbenzene

Concen: 1.556 ug/L

RT: 8.953 min Scan# 2460

Delta R.T. 0.003 min

Lab File: VV032183.D

Acq: 29 Sep 2023 10:22

Instrument :

MSVOA\_V

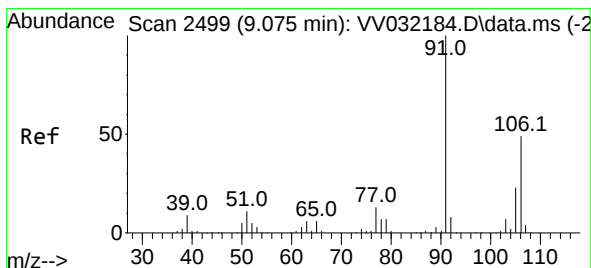
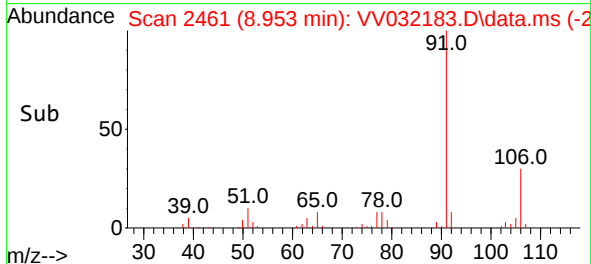
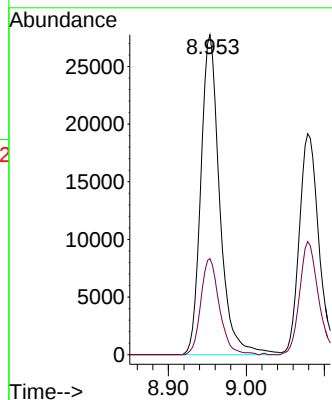
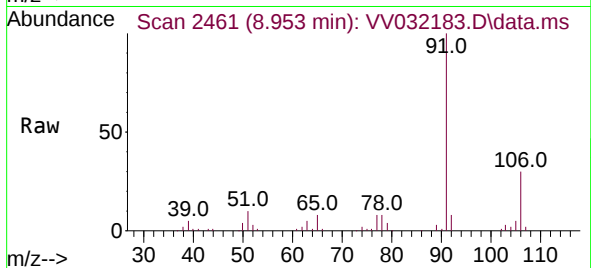
ClientSampleId :

Tgt Ion: 91 Resp: 46686

Ion Ratio Lower Upper

91 100

106 30.0 21.3 39.5



#53

m,p-Xylene

Concen: 1.549 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. 0.003 min

Lab File: VV032183.D

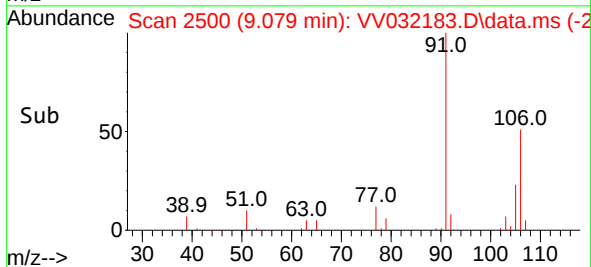
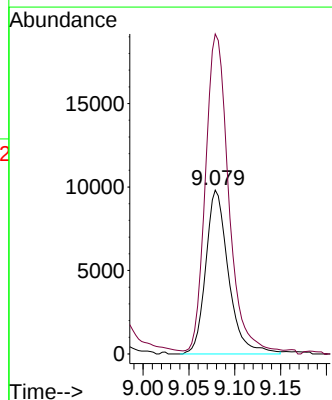
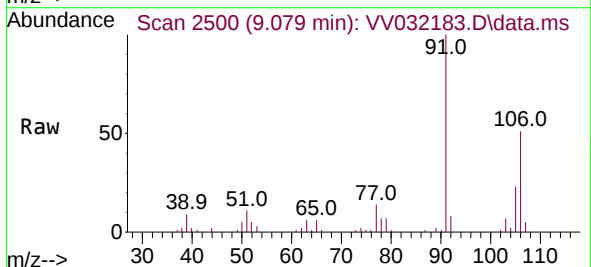
Acq: 29 Sep 2023 10:22

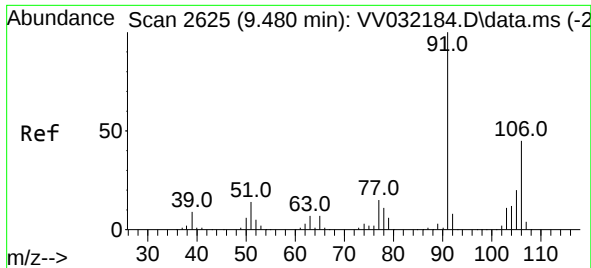
Tgt Ion:106 Resp: 16963

Ion Ratio Lower Upper

106 100

91 195.3 144.5 268.3

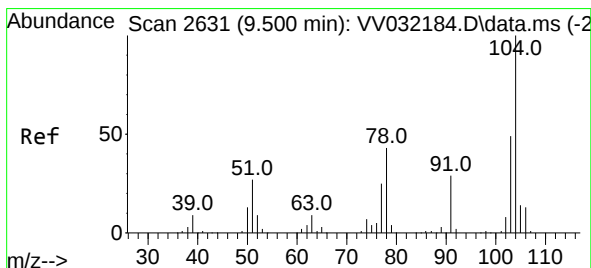
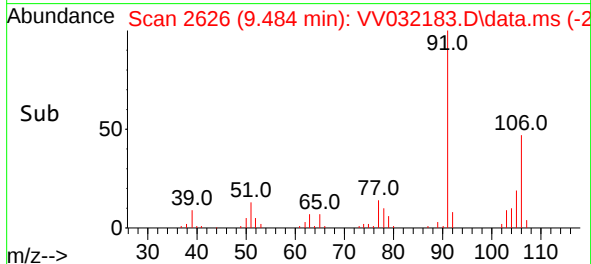
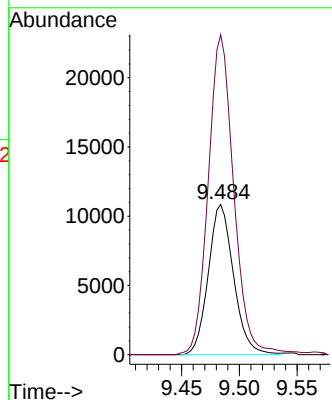
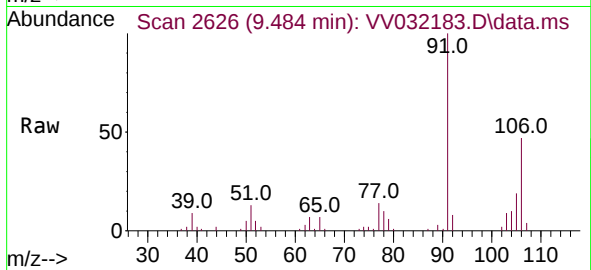




#54  
o-Xylene  
Concen: 1.587 ug/L  
RT: 9.484 min Scan# 2625  
Delta R.T. 0.003 min  
Lab File: VV032183.D  
Acq: 29 Sep 2023 10:22

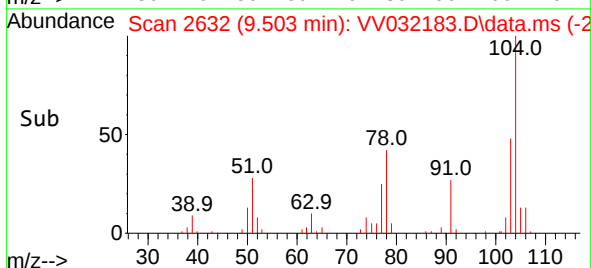
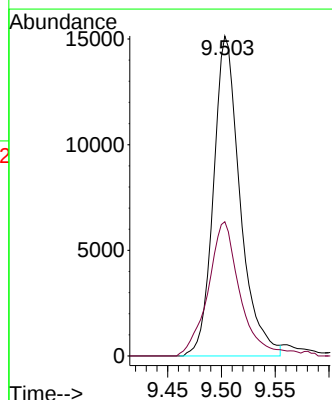
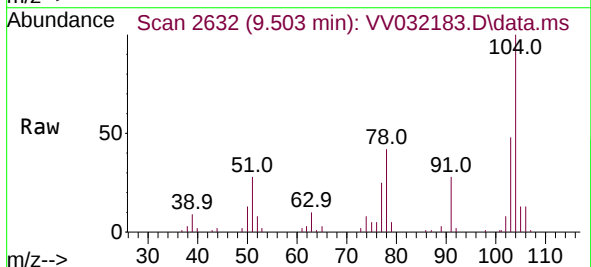
Instrument :  
MSVOA\_V  
ClientSampleId :

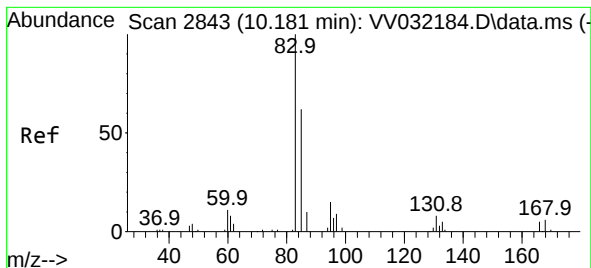
Tgt Ion:106 Resp: 16519  
Ion Ratio Lower Upper  
106 100  
91 213.0 154.8 287.4



#55  
Styrene  
Concen: 1.398 ug/L  
RT: 9.503 min Scan# 2632  
Delta R.T. 0.003 min  
Lab File: VV032183.D  
Acq: 29 Sep 2023 10:22

Tgt Ion:104 Resp: 26090  
Ion Ratio Lower Upper  
104 100  
78 42.0 29.9 55.5





#57

1,1,2,2-Tetrachloroethane

Concen: 1.280 ug/L

RT: 10.185 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV032183.D

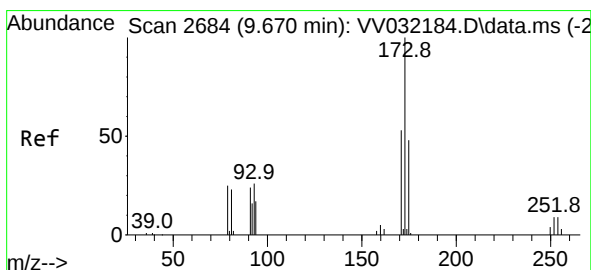
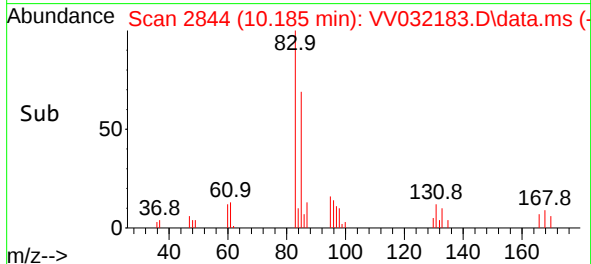
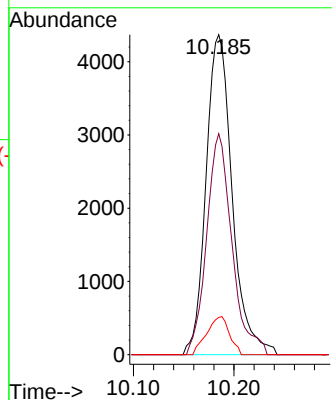
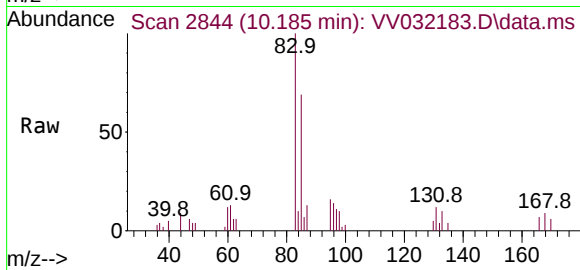
Acq: 29 Sep 2023 10:22

Instrument :

MSVOA\_V

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 7889  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 69.1  | 43.6  | 81.0  |
| 131      | 11.7  | 7.0   | 10.6  |



#59

Bromoform

Concen: 1.130 ug/L

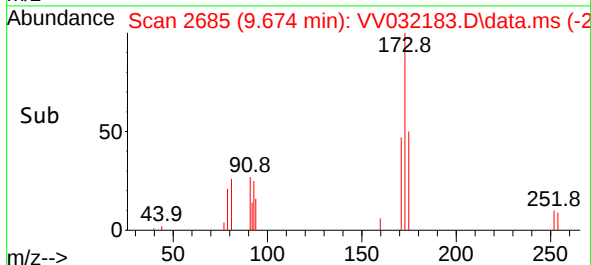
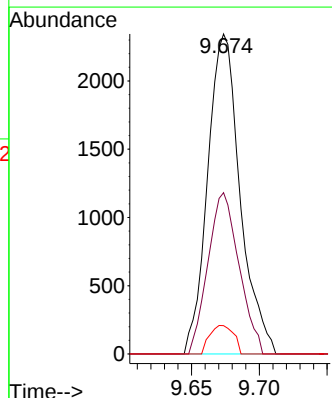
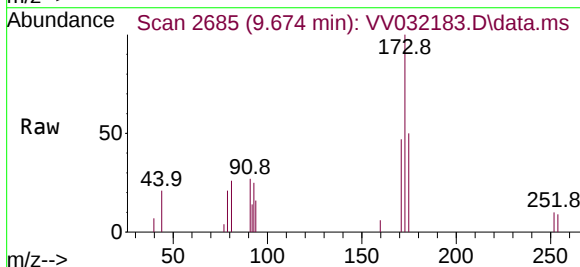
RT: 9.674 min Scan# 2685

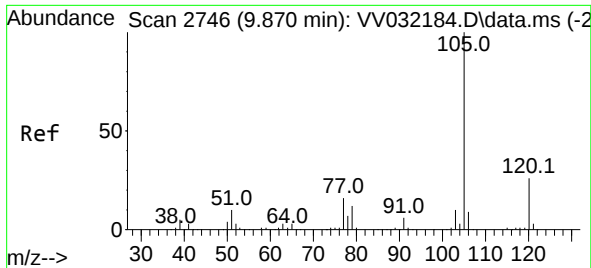
Delta R.T. 0.003 min

Lab File: VV032183.D

Acq: 29 Sep 2023 10:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 3903  |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 48.2  | 38.2  | 57.2  |
| 254      | 6.6   | 7.0   | 10.4  |

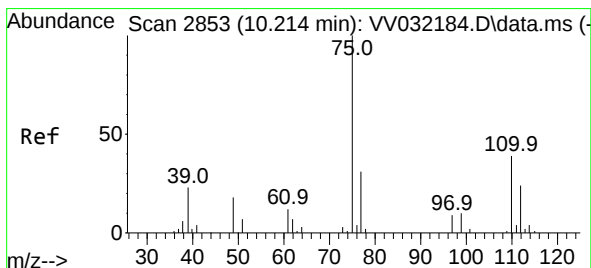
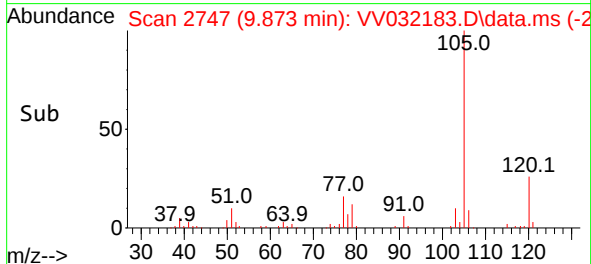
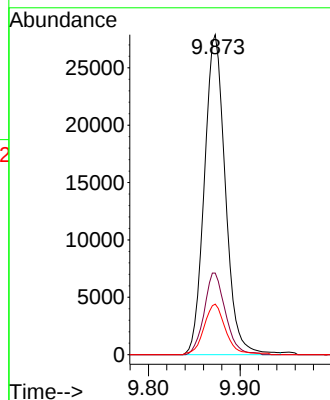
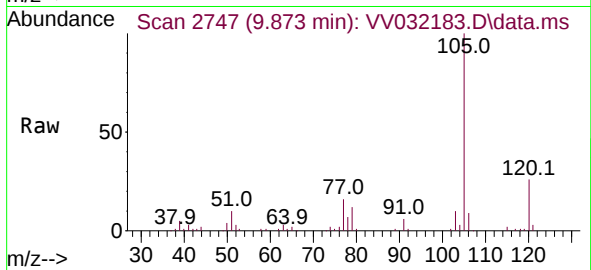




#60  
Isopropylbenzene  
Concen: 1.651 ug/L  
RT: 9.873 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VV032183.D  
Acq: 29 Sep 2023 10:22

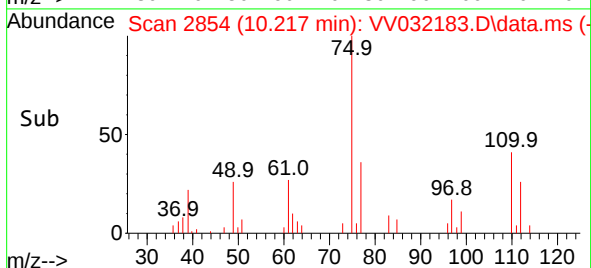
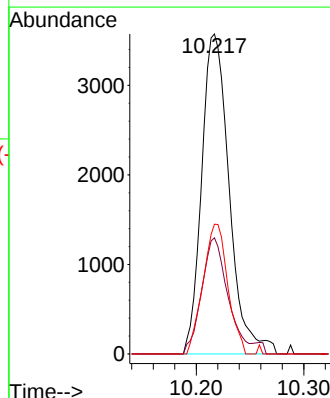
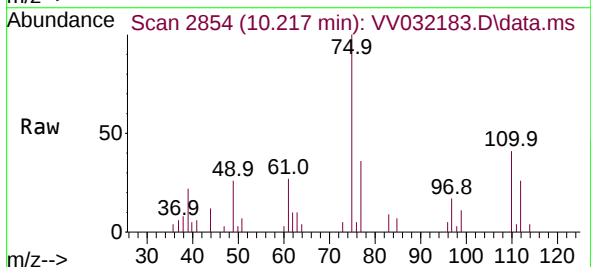
Instrument :  
MSVOA\_V  
ClientSampleId :

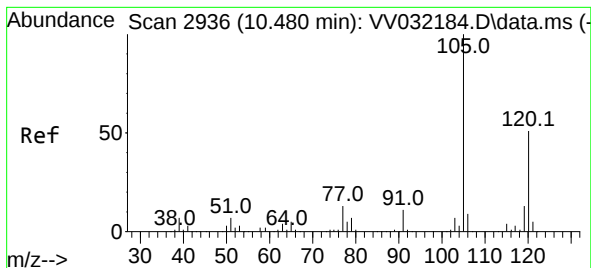
Tgt Ion:105 Resp: 44345  
Ion Ratio Lower Upper  
105 100  
120 25.9 21.0 31.6  
77 16.4 12.6 19.0



#61  
1,2,3-Trichloropropane  
Concen: 1.296 ug/L  
RT: 10.217 min Scan# 2854  
Delta R.T. 0.003 min  
Lab File: VV032183.D  
Acq: 29 Sep 2023 10:22

Tgt Ion: 75 Resp: 6366  
Ion Ratio Lower Upper  
75 100  
77 34.6 26.2 39.2  
110 36.3 30.6 46.0





#62

1,3,5-Trimethylbenzene

Concen: 1.599 ug/L

RT: 10.481 min Scan# 2936

Delta R.T. 0.000 min

Lab File: VV032183.D

Acq: 29 Sep 2023 10:22

Instrument :

MSVOA\_V

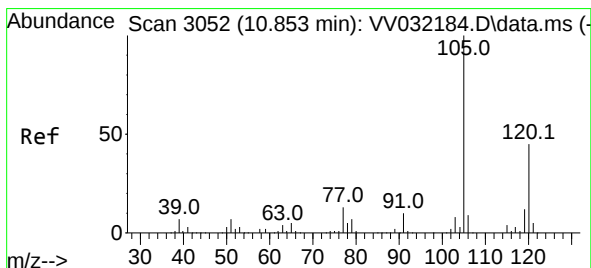
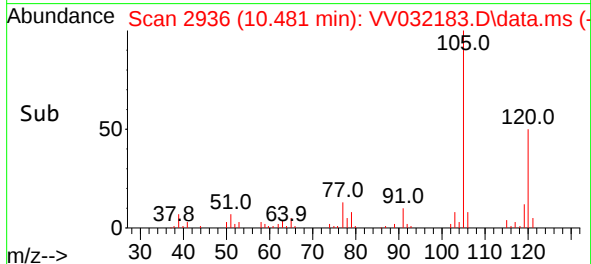
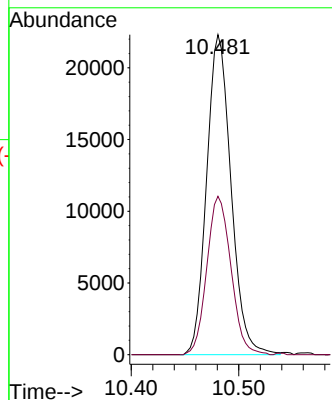
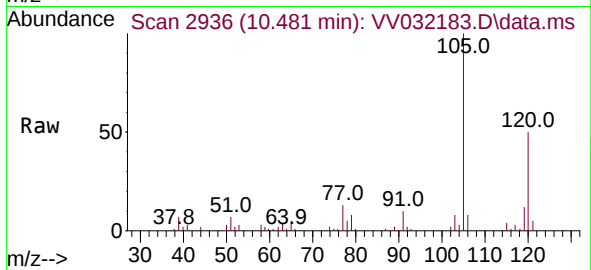
ClientSampleId :

Tgt Ion:105 Resp: 35131

Ion Ratio Lower Upper

105 100

120 49.0 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 1.562 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. 0.003 min

Lab File: VV032183.D

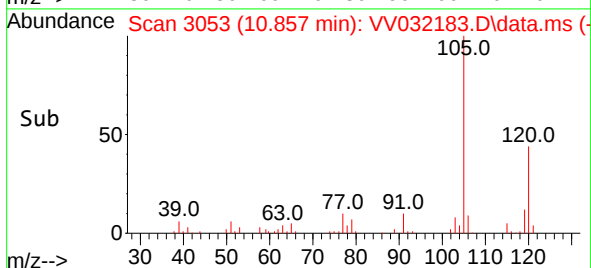
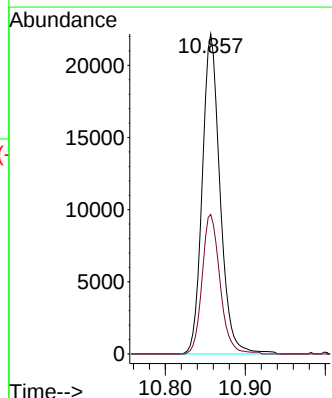
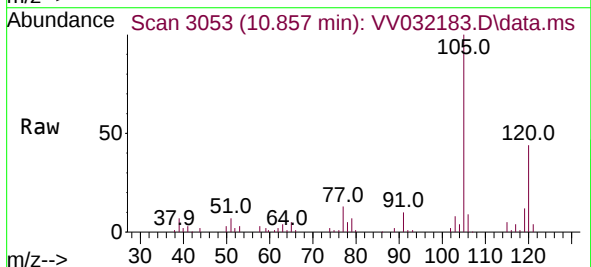
Acq: 29 Sep 2023 10:22

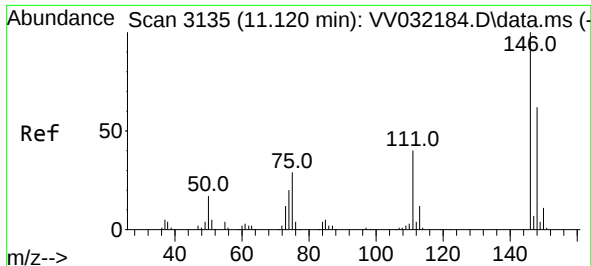
Tgt Ion:105 Resp: 34411

Ion Ratio Lower Upper

105 100

120 43.9 36.2 54.4

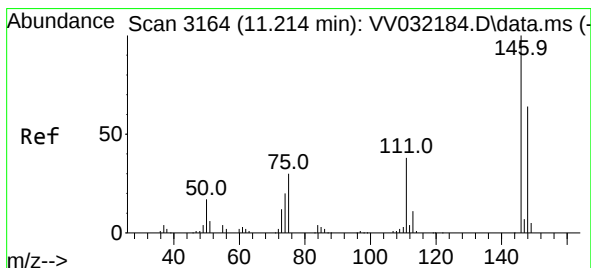
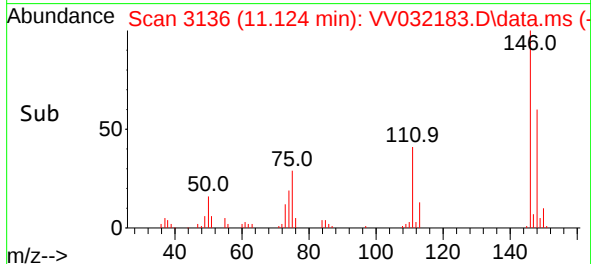
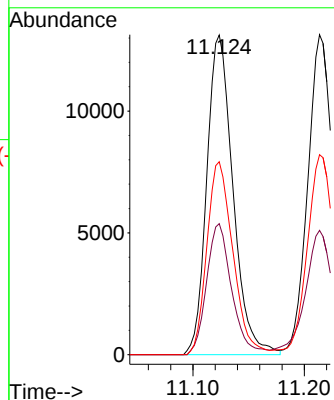
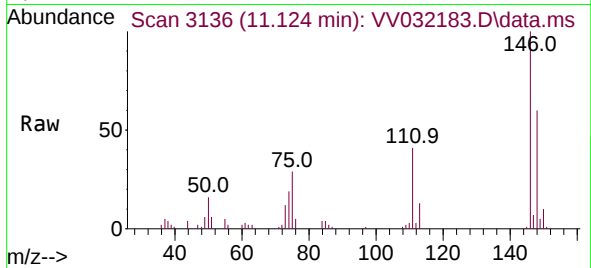




#64  
1,3-Dichlorobenzene  
Concen: 1.474 ug/L  
RT: 11.124 min Scan# 3135  
Delta R.T. 0.003 min  
Lab File: VV032183.D  
Acq: 29 Sep 2023 10:22

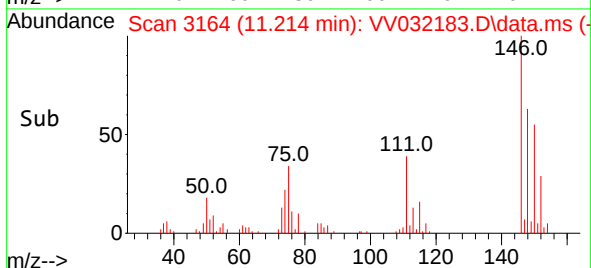
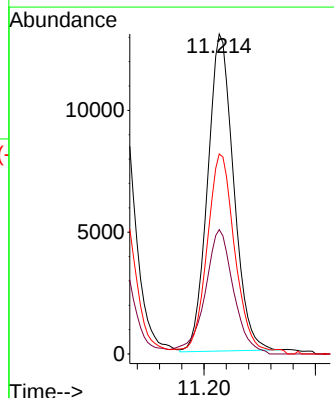
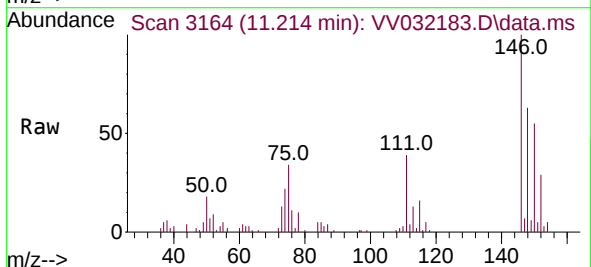
Instrument :  
MSVOA\_V  
ClientSampleId :

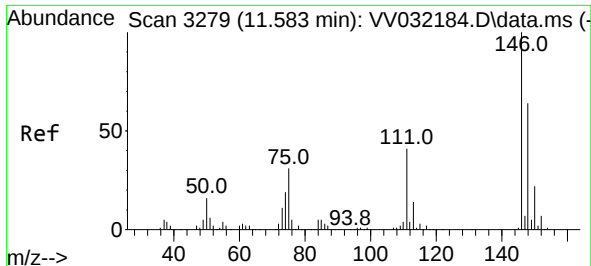
Tgt Ion:146 Resp: 21449  
Ion Ratio Lower Upper  
146 100  
111 41.0 27.8 51.6  
148 60.3 43.7 81.1



#65  
1,4-Dichlorobenzene  
Concen: 1.436 ug/L  
RT: 11.214 min Scan# 3164  
Delta R.T. 0.000 min  
Lab File: VV032183.D  
Acq: 29 Sep 2023 10:22

Tgt Ion:146 Resp: 21091  
Ion Ratio Lower Upper  
146 100  
111 38.9 26.9 49.9  
148 62.5 44.8 83.2





#67

1,2-Dichlorobenzene

Concen: 1.416 ug/L

RT: 11.583 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV032183.D

Acq: 29 Sep 2023 10:22

Instrument :

MSVOA\_V

ClientSampleId :

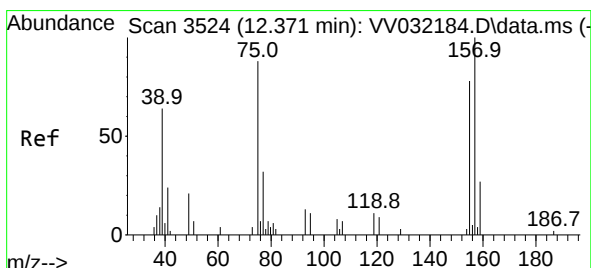
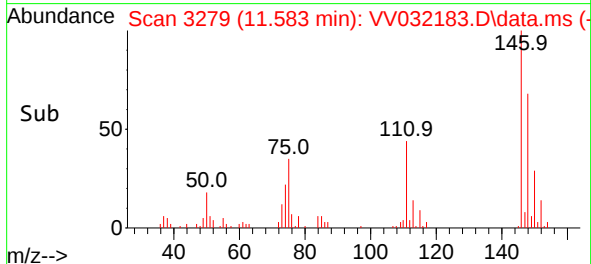
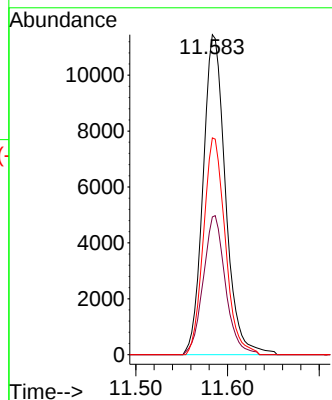
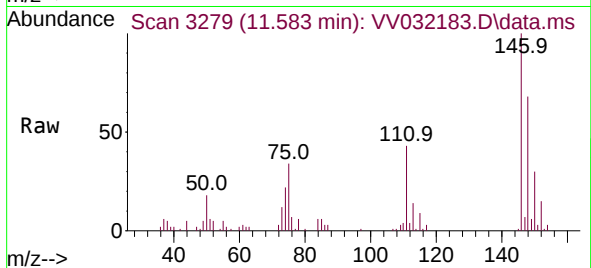
Tgt Ion:146 Resp: 19437

Ion Ratio Lower Upper

146 100

111 43.0 32.8 49.2

148 67.7 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 1.292 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. 0.003 min

Lab File: VV032183.D

Acq: 29 Sep 2023 10:22

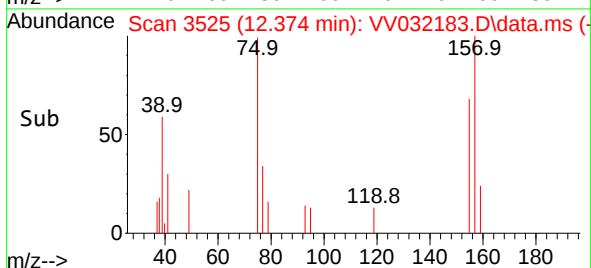
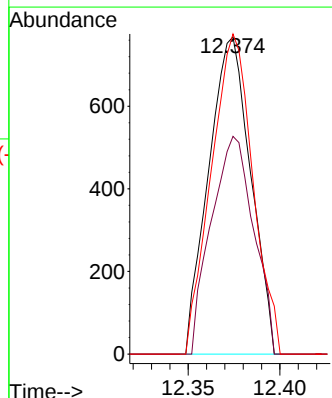
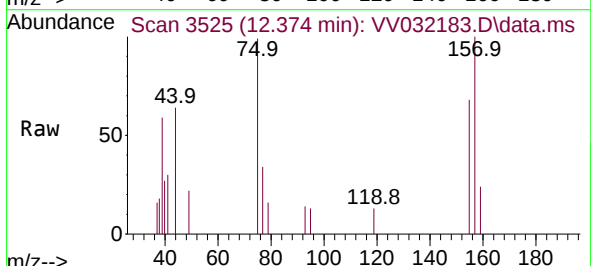
Tgt Ion: 75 Resp: 1220

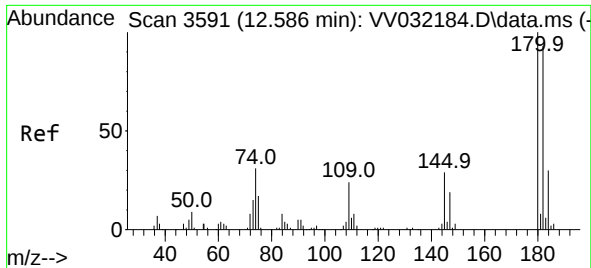
Ion Ratio Lower Upper

75 100

155 68.6 70.2 105.4#

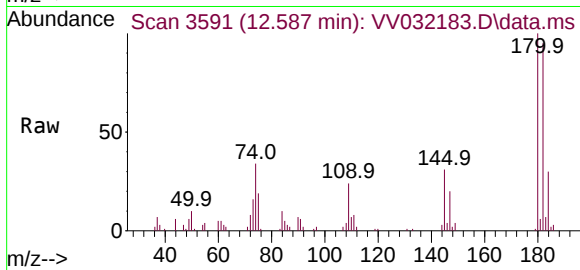
157 100.9 90.6 135.8



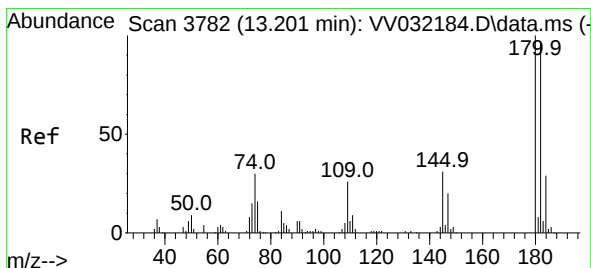
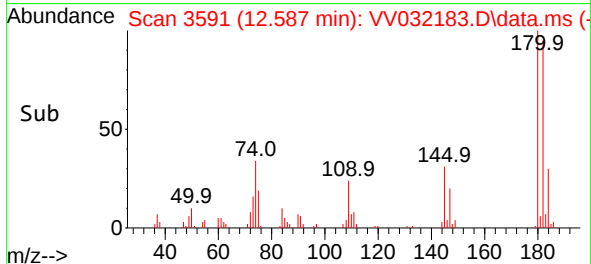
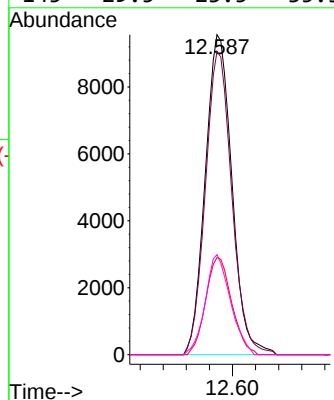


#69  
 1,3,5-Trichlorobenzene  
 Concen: 1.457 ug/L  
 RT: 12.587 min Scan# 3591  
 Delta R.T. 0.000 min  
 Lab File: VV032183.D  
 Acq: 29 Sep 2023 10:22

Instrument :  
 MSVOA\_V  
 ClientSampleId :

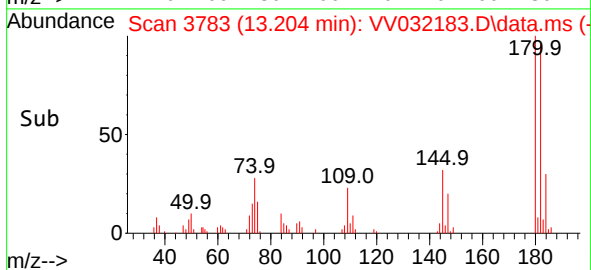
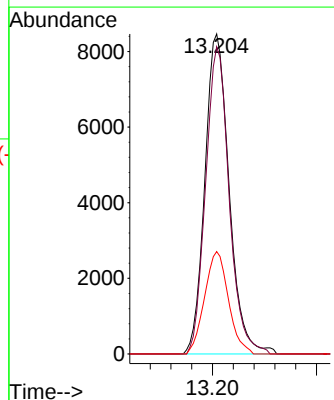
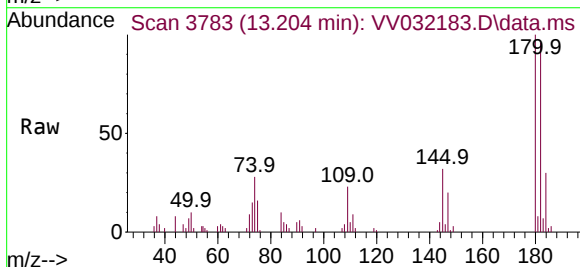


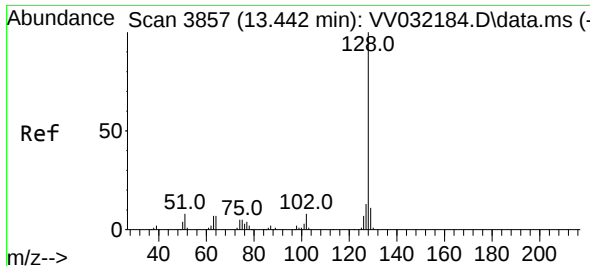
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 15324 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 93.7  | 74.6  | 112.0 |
| 184       | 29.6  | 24.1  | 36.1  |
| 145       | 29.5  | 23.5  | 35.3  |



#70  
 1,2,4-trichlorobenzene  
 Concen: 1.511 ug/L  
 RT: 13.204 min Scan# 3783  
 Delta R.T. 0.003 min  
 Lab File: VV032183.D  
 Acq: 29 Sep 2023 10:22

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 13702 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 93.1  | 76.5  | 114.7 |
| 145       | 31.5  | 24.3  | 36.5  |

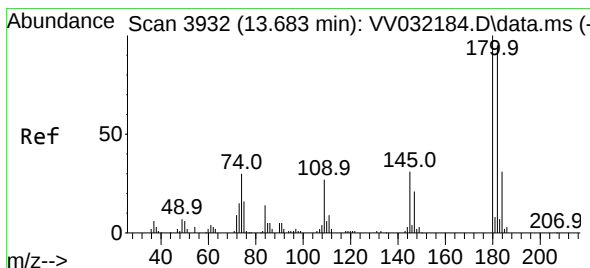
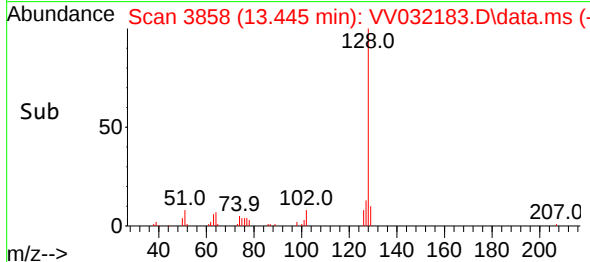
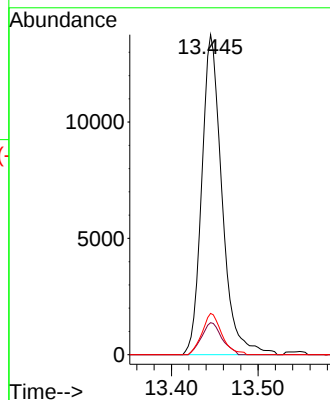
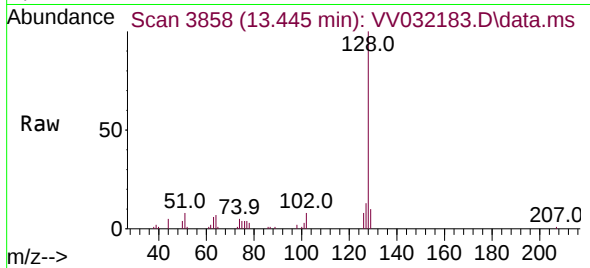




#71  
Naphthalene  
Concen: 1.627 ug/L  
RT: 13.445 min Scan# 3857  
Delta R.T. 0.003 min  
Lab File: VV032183.D  
Acq: 29 Sep 2023 10:22

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion:128 Resp: 22364  
Ion Ratio Lower Upper  
128 100  
129 10.1 9.0 13.4  
127 12.5 10.2 15.2



#72  
1,2,3-Trichlorobenzene  
Concen: 1.377 ug/L  
RT: 13.683 min Scan# 3932  
Delta R.T. 0.000 min  
Lab File: VV032183.D  
Acq: 29 Sep 2023 10:22

Tgt Ion:180 Resp: 11104  
Ion Ratio Lower Upper  
180 100  
182 98.1 77.0 115.4  
145 33.3 25.7 38.5

