

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV091922\  
 Data File : VV027933.D  
 Acq On : 19 Sep 2022 17:45  
 Operator : SY/MD  
 Sample : VSTD02044  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Sep 20 01:27:18 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR091922WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Sep 20 01:24:44 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Difluorobenzene        | 5.612  | 114  | 125658   | 5.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.850  | 117  | 126283   | 5.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.246 | 152  | 76567    | 5.000   | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 4) Vinyl Chloride-d3          | 1.298  | 65   | 202269   | 23.367  | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 1.561  | 69   | 180284   | 24.539  | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.098  | 63   | 320930   | 18.708  | ug/L  | 0.00     |
| 20) 2-Butanone-d5             | 3.873  | 46   | 389860   | 218.220 | ug/L  | 0.00     |
| 24) Chloroform-d              | 4.339  | 84   | 348393   | 20.643  | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.024  | 65   | 148601   | 17.133  | ug/L  | 0.00     |
| 32) Benzene-d6                | 5.040  | 84   | 682125   | 19.487  | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.063  | 67   | 213476   | 21.016  | ug/L  | 0.00     |
| 41) Toluene-d8                | 7.310  | 98   | 626528   | 21.229  | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.616  | 79   | 80075    | 22.818  | ug/L  | 0.00     |
| 46) 2-Hexanone-d5             | 8.082  | 63   | 397230   | 287.929 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214 | 84   | 171035   | 24.529  | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152  | 249917   | 20.085  | ug/L  | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.124  | 85   | 184395   | 15.580  | ug/L  | 98       |
| 3) Chloromethane              | 1.233  | 50   | 177376   | 16.184  | ug/L  | 99       |
| 5) Vinyl chloride             | 1.304  | 62   | 204308   | 18.379  | ug/L  | 100      |
| 6) Bromomethane               | 1.513  | 94   | 136551   | 21.302  | ug/L  | 97       |
| 8) Chloroethane               | 1.577  | 64   | 139669   | 21.278  | ug/L  | 96       |
| 9) Trichlorofluoromethane     | 1.744  | 101  | 320723   | 17.947  | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.108  | 101  | 190944   | 20.939  | ug/L  | 97       |
| 12) 1,1-Dichloroethene        | 2.108  | 96   | 170031   | 20.143  | ug/L  | 95       |
| 13) Acetone                   | 2.172  | 43   | 202204   | 153.416 | ug/L  | 98       |
| 14) Carbon disulfide          | 2.285  | 76   | 345183   | 14.671  | ug/L  | 100      |
| 15) Methyl Acetate            | 2.426  | 43   | 54441    | 16.035  | ug/L  | 95       |
| 16) Methylene chloride        | 2.497  | 84   | 177020   | 16.145  | ug/L  | 94       |
| 17) Methyl tert-butyl Ether   | 2.761  | 73   | 355756   | 18.696  | ug/L  | 98       |
| 18) trans-1,2-Dichloroethene  | 2.751  | 96   | 166645   | 19.033  | ug/L  | 94       |
| 19) 1,1-Dichloroethane        | 3.178  | 63   | 316442   | 19.190  | ug/L  | 99       |
| 21) 2-Butanone                | 3.960  | 43   | 347529   | 187.568 | ug/L  | 96       |
| 22) cis-1,2-Dichloroethene    | 3.899  | 96   | 198059   | 20.793  | ug/L  | 94       |
| 23) Bromochloromethane        | 4.236  | 128  | 85876    | 21.087  | ug/L  | 97       |
| 25) Chloroform                | 4.365  | 83   | 337138   | 18.769  | ug/L  | 96       |
| 27) 1,2-Dichloroethane        | 5.121  | 62   | 169604   | 16.210  | ug/L  | 99       |
| 29) 1,1,1-Trichloroethane     | 4.600  | 97   | 280961   | 15.656  | ug/L  | 99       |
| 30) Cyclohexane               | 4.667  | 56   | 229737   | 15.877  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.818  | 117  | 249252   | 16.222  | ug/L  | 96       |
| 33) Benzene                   | 5.092  | 78   | 711100   | 17.909  | ug/L  | 100      |
| 34) Trichloroethene           | 5.905  | 95   | 181786   | 18.552  | ug/L  | 96       |
| 35) Methylcyclohexane         | 6.124  | 83   | 276724   | 18.619  | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 6.165  | 63   | 187967   | 19.844  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.503  | 83   | 241046   | 19.252  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.021  | 75   | 266439   | 21.683  | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone      | 7.223  | 43   | 891309   | 205.697 | ug/L  | 98       |
| 42) Toluene                   | 7.384  | 91   | 795641   | 20.407  | ug/L  | 96       |
| 44) trans-1,3-Dichloropropene | 7.645  | 75   | 218966   | 21.308  | ug/L  | 96       |

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 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

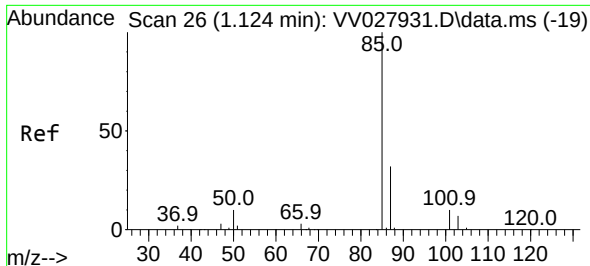
Quant Time: Sep 20 01:27:18 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR091922WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Sep 20 01:24:44 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 45) 1,1,2-Trichloroethane     | 7.834  | 97   | 136249   | 21.443  | ug/L   | 97       |
| 47) Tetrachloroethene         | 7.973  | 164  | 155294   | 19.079  | ug/L   | 94       |
| 48) 2-Hexanone                | 8.133  | 43   | 618185   | 199.510 | ug/L   | 98       |
| 49) Dibromochloromethane      | 8.243  | 129  | 173109   | 21.481  | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 8.349  | 107  | 122744   | 21.247  | ug/L   | 93       |
| 51) Chlorobenzene             | 8.876  | 112  | 533634   | 20.792  | ug/L   | 99       |
| 52) Ethylbenzene              | 9.008  | 91   | 874448   | 21.446  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.133  | 106  | 346779   | 21.643  | ug/L   | 98       |
| 54) o-Xylene                  | 9.542  | 106  | 346253   | 22.587  | ug/L   | 97       |
| 55) Styrene                   | 9.558  | 104  | 605800   | 22.768  | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.236 | 83   | 168622   | 23.130  | ug/L   | 96       |
| 59) Bromoform                 | 9.728  | 173  | 97148    | 20.859  | ug/L   | 98       |
| 60) Isopropylbenzene          | 9.927  | 105  | 930326   | 20.101  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.271 | 75   | 110410   | 18.447  | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 255575   | 19.679  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.911 | 105  | 775177   | 20.786  | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 11.178 | 146  | 461772   | 19.298  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.268 | 146  | 462316   | 19.161  | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 423677   | 19.424  | ug/L   | 95       |
| 68) 1,2-Dibromo-3-chloropr... | 12.426 | 75   | 23559    | 18.139  | ug/L # | 74       |
| 69) 1,3,5-Trichlorobenzene    | 12.644 | 180  | 367738   | 19.931  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.258 | 180  | 308023   | 20.779  | ug/L   | 99       |
| 71) Naphthalene               | 13.500 | 128  | 495465   | 21.050  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 274562   | 20.740  | ug/L   | 99       |

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

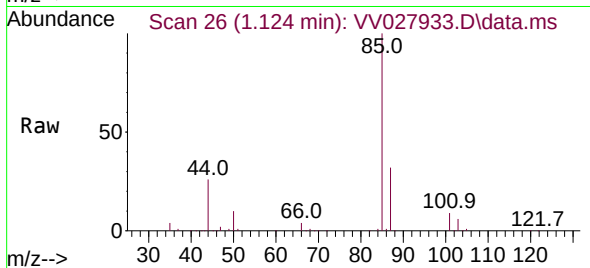
Quant Time: Sep 20 01:27:18 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR091922WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Tue Sep 20 01:24:44 2022  
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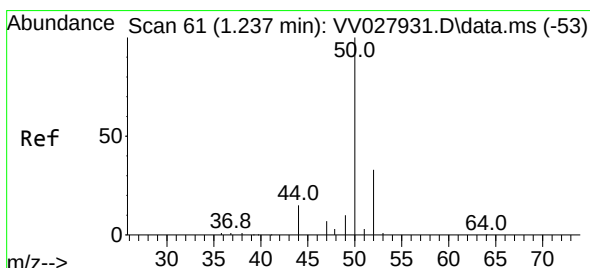
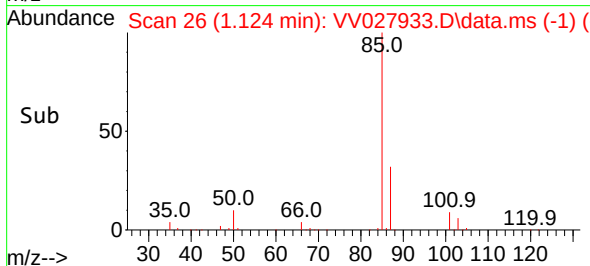
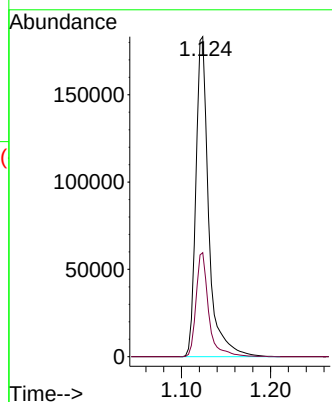


#2  
 Dichlorodifluoromethane  
 Concen: 15.580 ug/L  
 RT: 1.124 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: VV027933.D  
 Acq: 19 Sep 2022 17:45

Instrument :  
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 ClientSampleId :

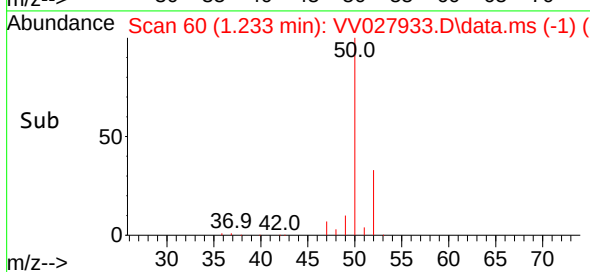
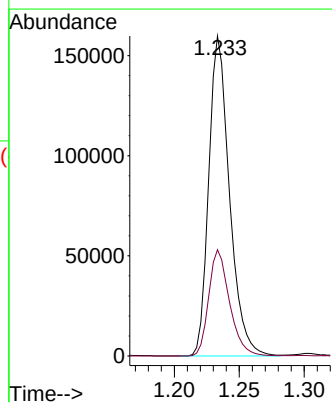
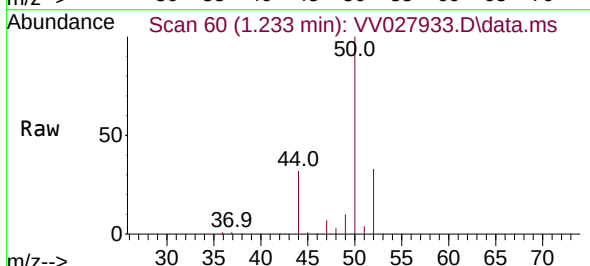


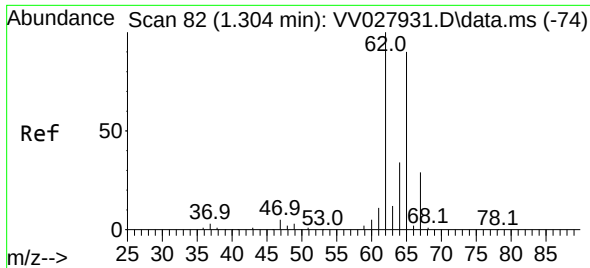
Tgt Ion: 85 Resp: 184395  
 Ion Ratio Lower Upper  
 85 100  
 87 32.0 26.5 39.7



#3  
 Chloromethane  
 Concen: 16.184 ug/L  
 RT: 1.233 min Scan# 60  
 Delta R.T. -0.003 min  
 Lab File: VV027933.D  
 Acq: 19 Sep 2022 17:45

Tgt Ion: 50 Resp: 177376  
 Ion Ratio Lower Upper  
 50 100  
 52 33.2 23.0 42.8

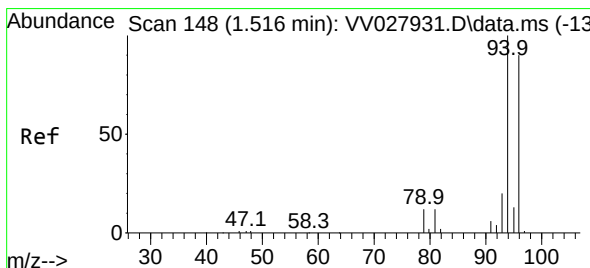
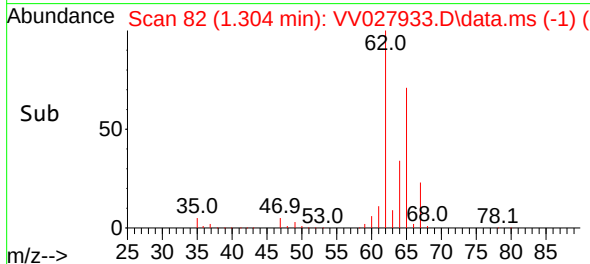
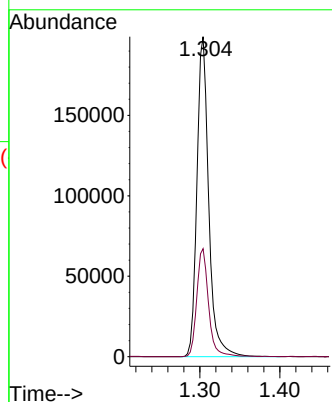
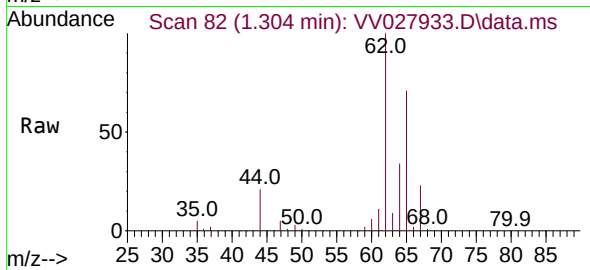




#5  
 Vinyl chloride  
 Concen: 18.379 ug/L  
 RT: 1.304 min Scan# 81  
 Delta R.T. -0.000 min  
 Lab File: VV027933.D  
 Acq: 19 Sep 2022 17:45

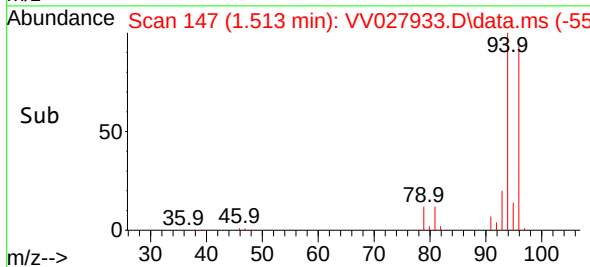
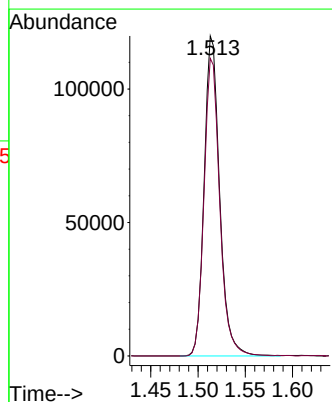
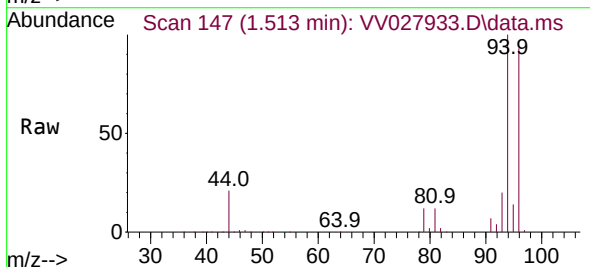
Instrument :  
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 ClientSampleId :

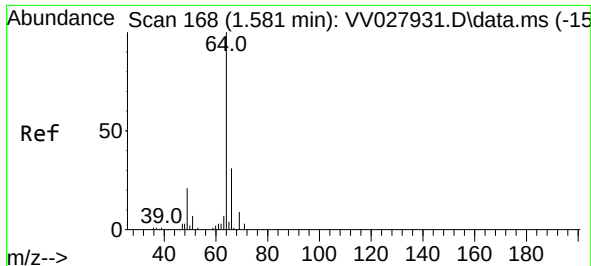
Tgt Ion: 62 Resp: 204308  
 Ion Ratio Lower Upper  
 62 100  
 64 33.7 23.4 43.6



#6  
 Bromomethane  
 Concen: 21.302 ug/L  
 RT: 1.513 min Scan# 147  
 Delta R.T. -0.003 min  
 Lab File: VV027933.D  
 Acq: 19 Sep 2022 17:45

Tgt Ion: 94 Resp: 136551  
 Ion Ratio Lower Upper  
 94 100  
 96 93.0 63.1 117.3

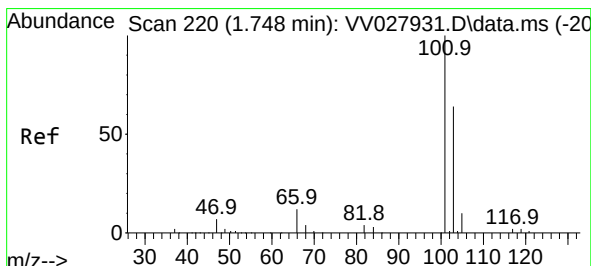
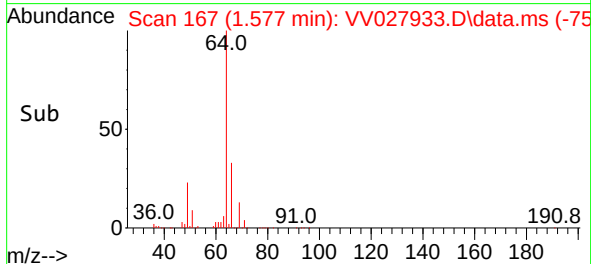
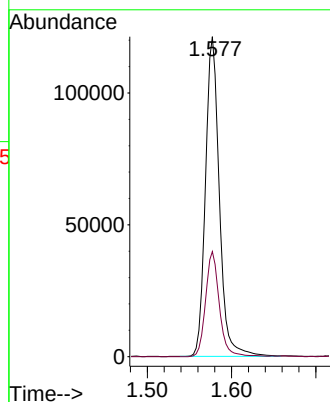
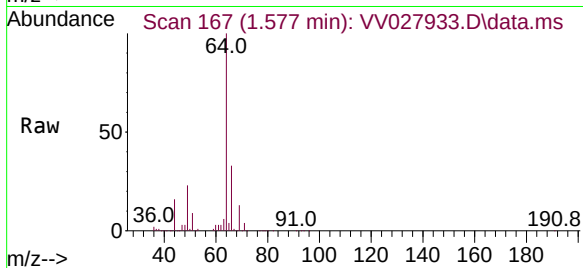




#8  
Chloroethane  
Concen: 21.278 ug/L  
RT: 1.577 min Scan# 1  
Delta R.T. -0.003 min  
Lab File: VV027933.D  
Acq: 19 Sep 2022 17:45

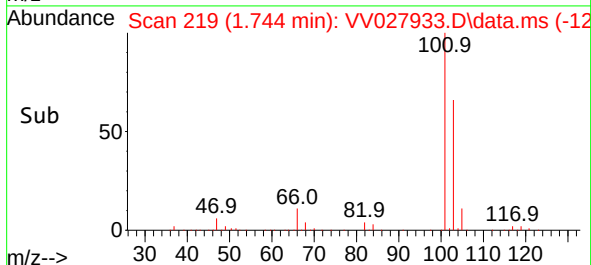
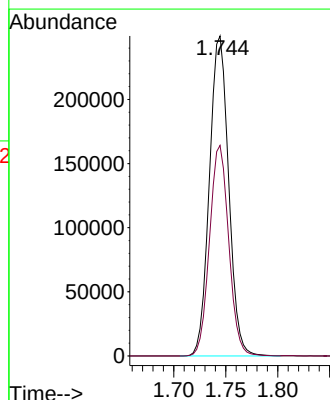
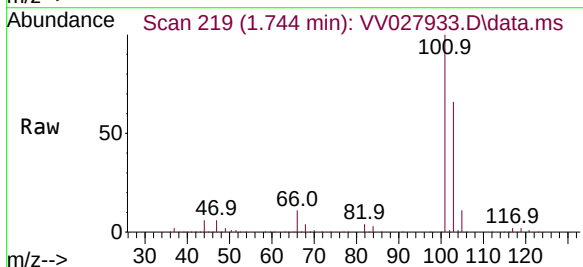
Instrument :  
MSVOA\_V  
ClientSampleId :

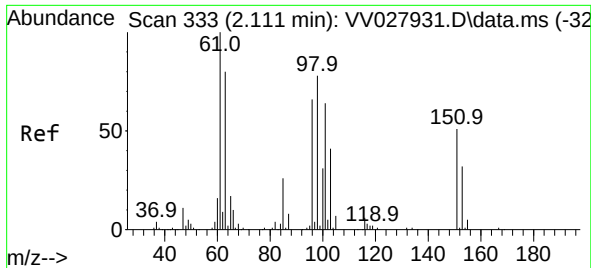
Tgt Ion: 64 Resp: 139669  
Ion Ratio Lower Upper  
64 100  
66 32.8 21.6 40.2



#9  
Trichlorofluoromethane  
Concen: 17.947 ug/L  
RT: 1.744 min Scan# 219  
Delta R.T. -0.003 min  
Lab File: VV027933.D  
Acq: 19 Sep 2022 17:45

Tgt Ion:101 Resp: 320723  
Ion Ratio Lower Upper  
101 100  
103 65.7 51.7 77.5

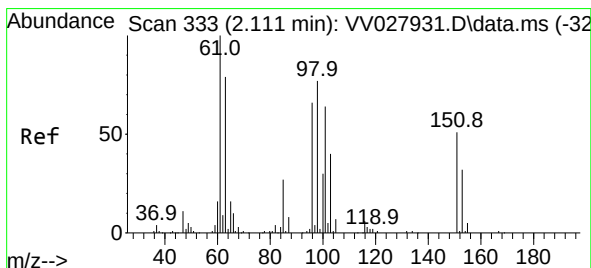
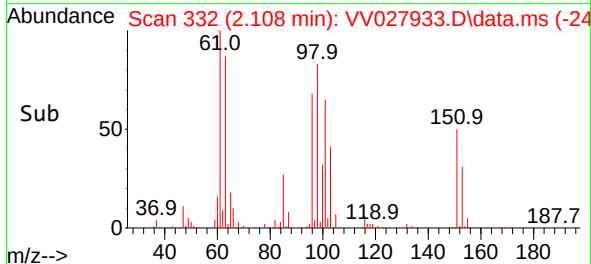
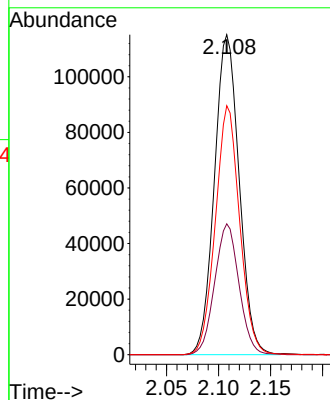
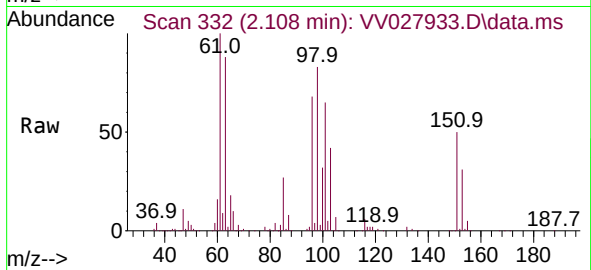




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 20.939 ug/L  
RT: 2.108 min Scan# 332  
Delta R.T. -0.003 min  
Lab File: VV027933.D  
Acq: 19 Sep 2022 17:45

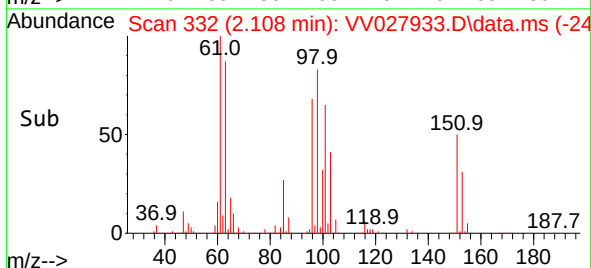
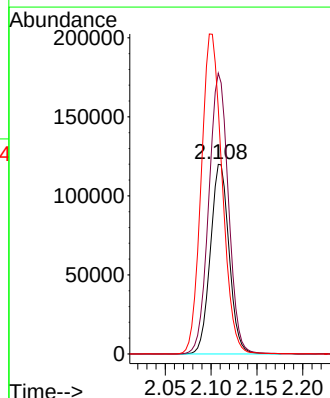
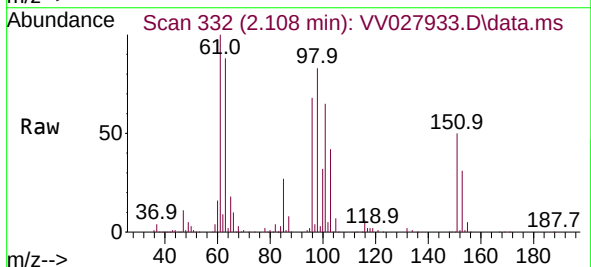
Instrument :  
MSVOA\_V  
ClientSampleId :

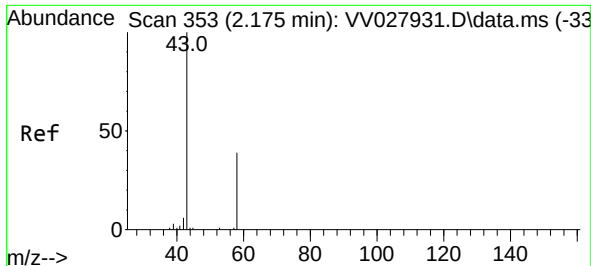
Tgt Ion:101 Resp: 190944  
Ion Ratio Lower Upper  
101 100  
85 40.2 33.6 50.4  
151 76.3 62.9 94.3



#12  
1,1-Dichloroethene  
Concen: 20.143 ug/L  
RT: 2.108 min Scan# 332  
Delta R.T. -0.003 min  
Lab File: VV027933.D  
Acq: 19 Sep 2022 17:45

Tgt Ion: 96 Resp: 170031  
Ion Ratio Lower Upper  
96 100  
61 148.1 106.2 197.2  
63 129.6 85.0 158.0





#13

Acetone

Concen: 153.416 ug/L

RT: 2.172 min Scan# 3

Delta R.T. -0.003 min

Lab File: VV027933.D

Acq: 19 Sep 2022 17:45

Instrument :

MSVOA\_V

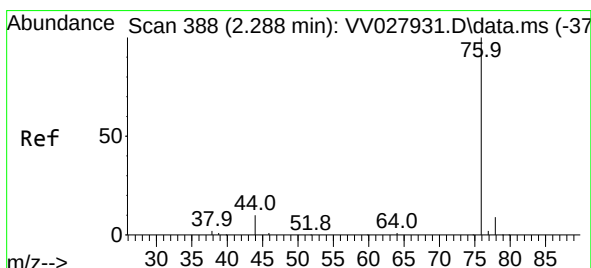
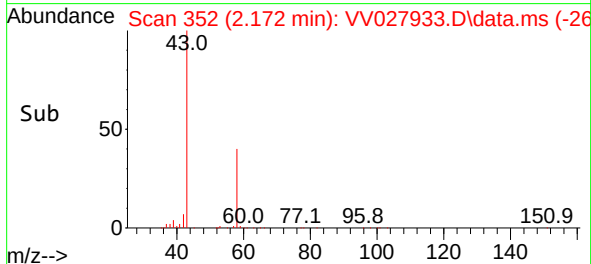
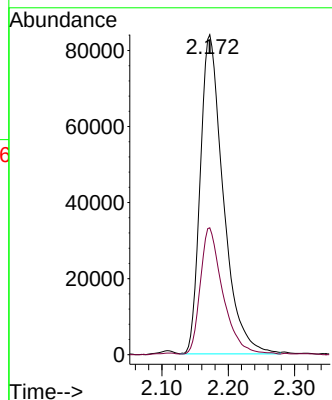
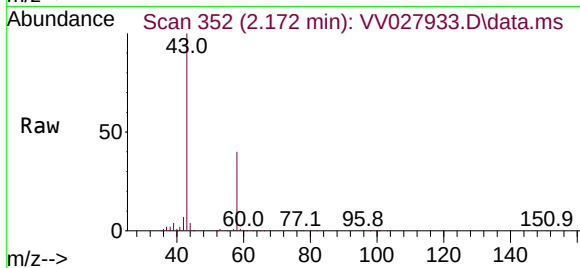
ClientSampleId :

Tgt Ion: 43 Resp: 202204

Ion Ratio Lower Upper

43 100

58 38.5 0.0 79.8



#14

Carbon disulfide

Concen: 14.671 ug/L

RT: 2.285 min Scan# 387

Delta R.T. -0.003 min

Lab File: VV027933.D

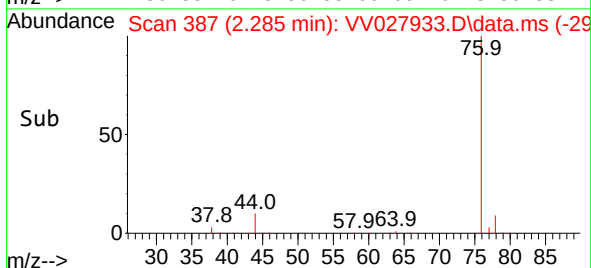
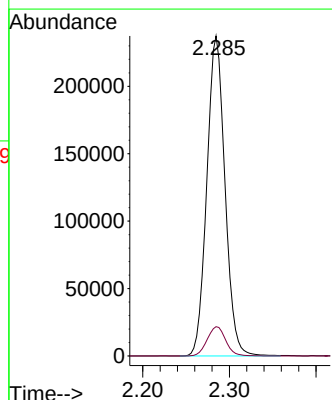
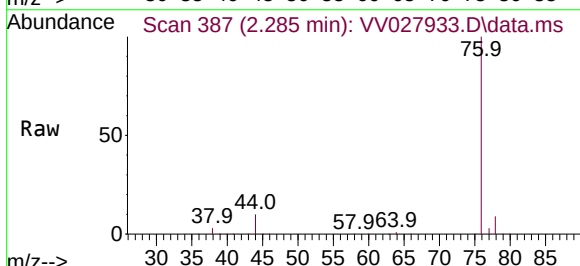
Acq: 19 Sep 2022 17:45

Tgt Ion: 76 Resp: 345183

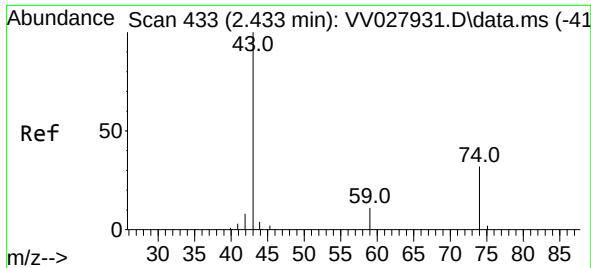
Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9



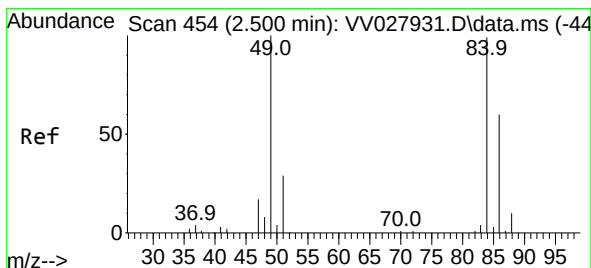
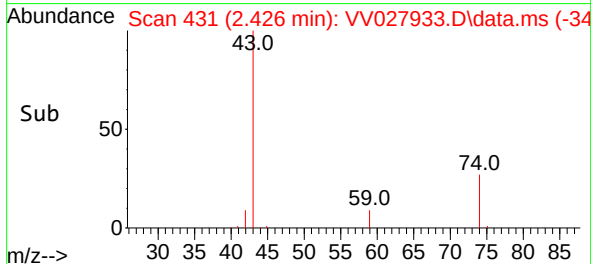
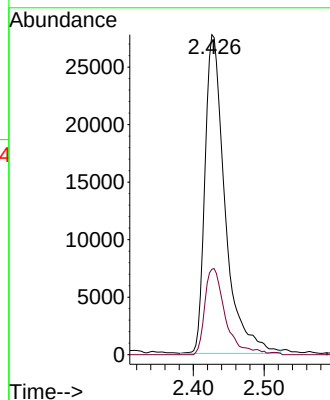
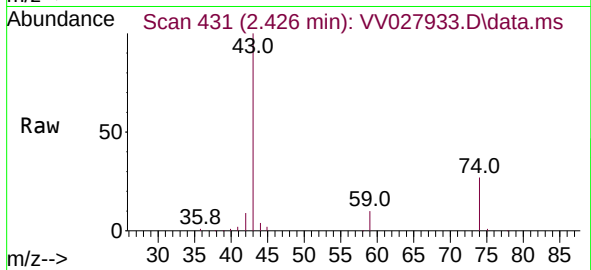




#15  
Methyl Acetate  
Concen: 16.035 ug/L  
RT: 2.426 min Scan# 41  
Delta R.T. -0.007 min  
Lab File: VV027933.D  
Acq: 19 Sep 2022 17:45

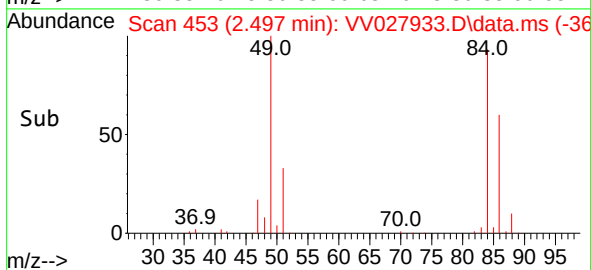
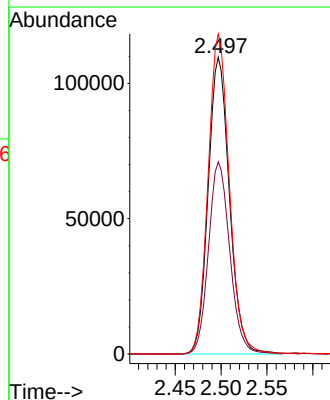
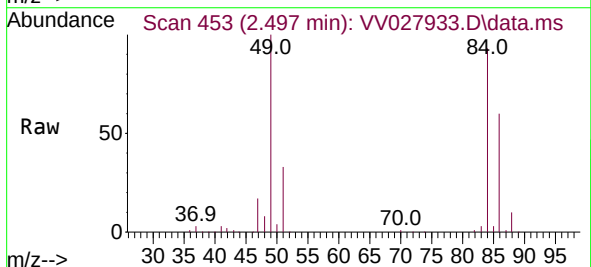
Instrument :  
MSVOA\_V  
ClientSampleId :

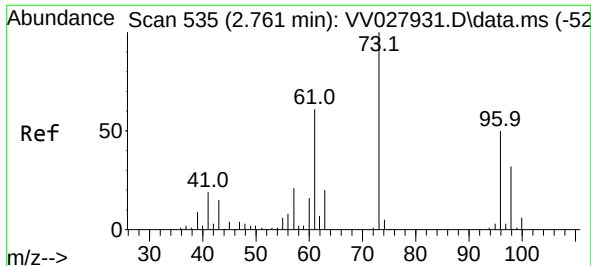
Tgt Ion: 43 Resp: 54441  
Ion Ratio Lower Upper  
43 100  
74 27.7 24.2 36.4



#16  
Methylene chloride  
Concen: 16.145 ug/L  
RT: 2.497 min Scan# 453  
Delta R.T. -0.003 min  
Lab File: VV027933.D  
Acq: 19 Sep 2022 17:45

Tgt Ion: 84 Resp: 177020  
Ion Ratio Lower Upper  
84 100  
86 64.8 42.4 78.6  
49 107.9 70.7 131.3





#17

Methyl tert-butyl Ether

Concen: 18.696 ug/L

RT: 2.761 min Scan# 51

Delta R.T. -0.000 min

Lab File: VV027933.D

Acq: 19 Sep 2022 17:45

Instrument :

MSVOA\_V

ClientSampleId :

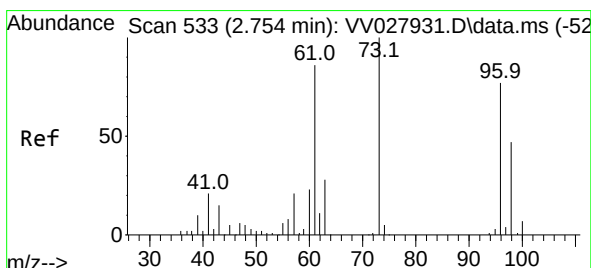
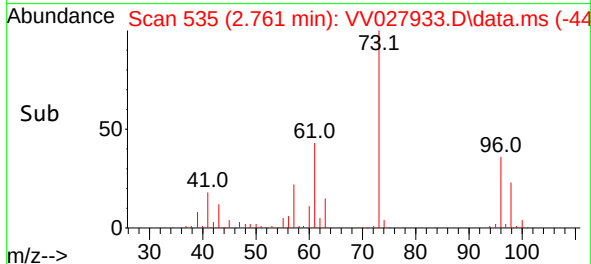
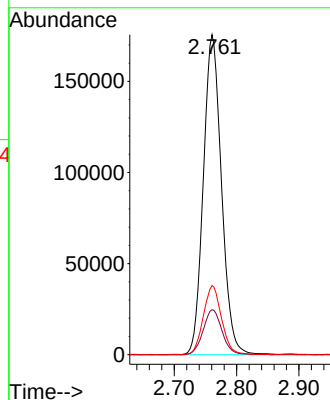
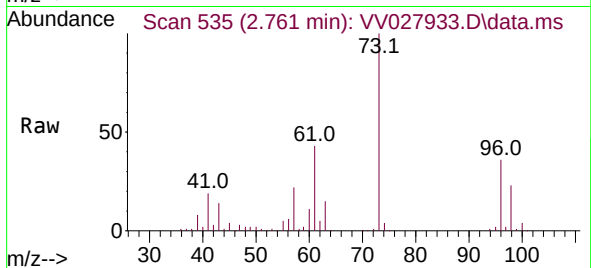
Tgt Ion: 73 Resp: 355756

Ion Ratio Lower Upper

73 100

43 14.4 12.4 18.6

57 21.7 16.6 25.0



#18

trans-1,2-Dichloroethene

Concen: 19.033 ug/L

RT: 2.751 min Scan# 532

Delta R.T. -0.003 min

Lab File: VV027933.D

Acq: 19 Sep 2022 17:45

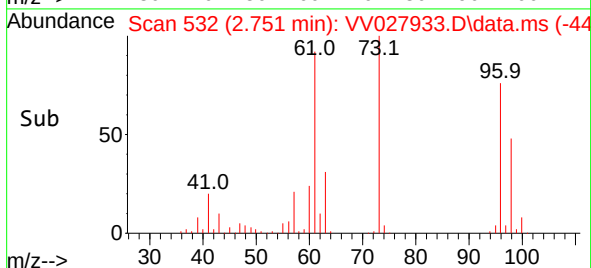
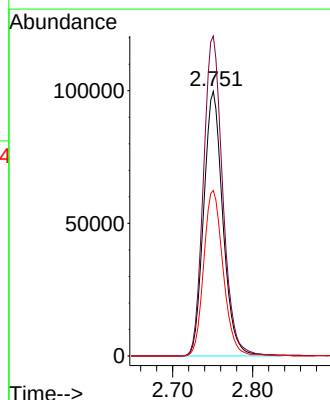
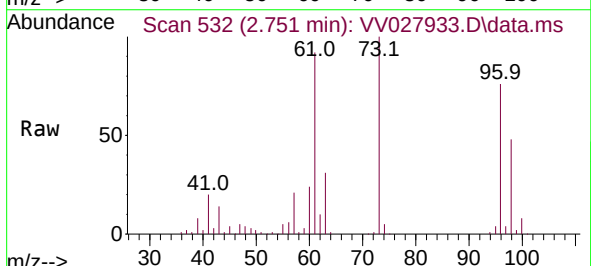
Tgt Ion: 96 Resp: 166645

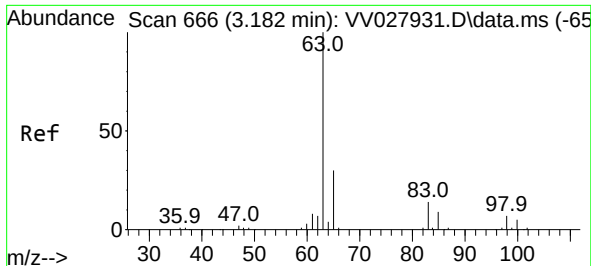
Ion Ratio Lower Upper

96 100

61 120.9 78.3 145.5

98 62.6 42.4 78.6





#19

1,1-Dichloroethane

Concen: 19.190 ug/L

RT: 3.178 min Scan# 6

Delta R.T. -0.003 min

Lab File: VV027933.D

Acq: 19 Sep 2022 17:45

Instrument :

MSVOA\_V

ClientSampleId :

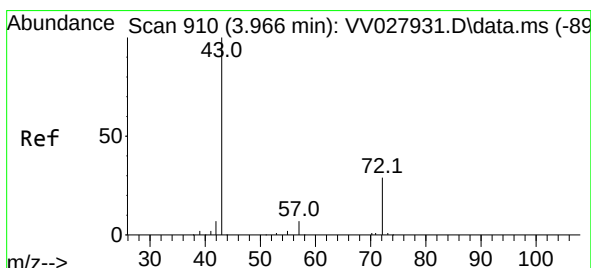
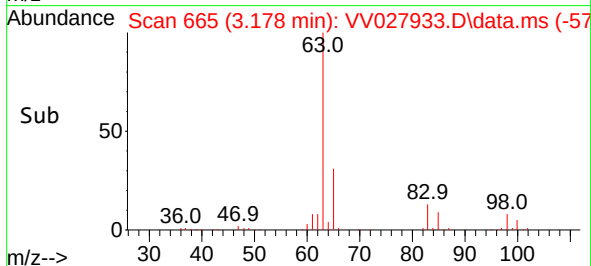
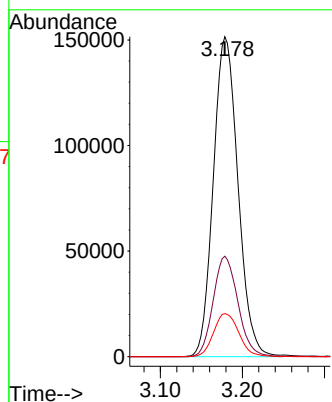
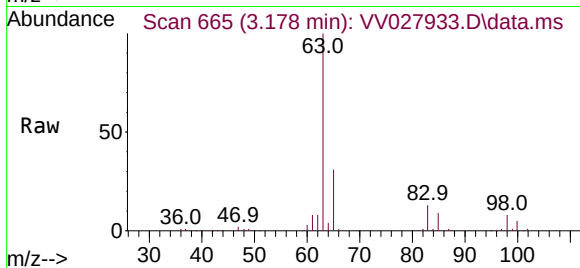
Tgt Ion: 63 Resp: 316442

Ion Ratio Lower Upper

63 100

65 31.4 21.3 39.6

83 13.4 9.7 18.1



#21

2-Butanone

Concen: 187.568 ug/L

RT: 3.960 min Scan# 908

Delta R.T. -0.007 min

Lab File: VV027933.D

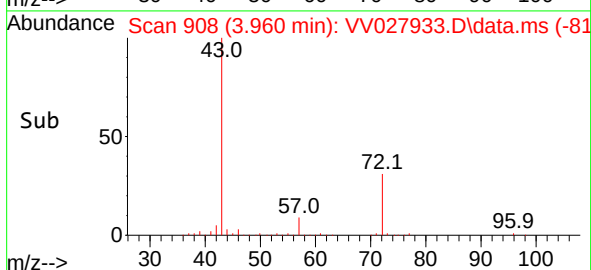
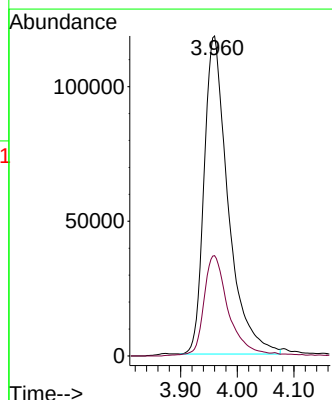
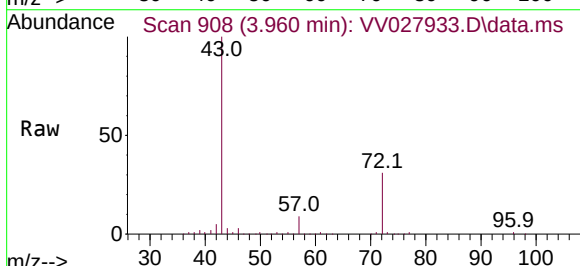
Acq: 19 Sep 2022 17:45

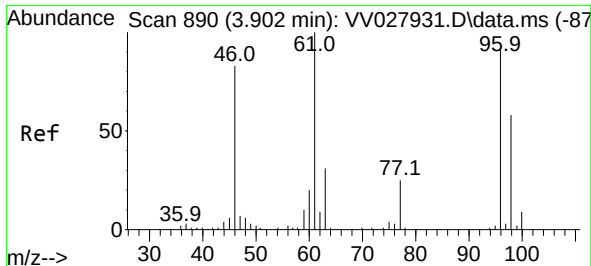
Tgt Ion: 43 Resp: 347529

Ion Ratio Lower Upper

43 100

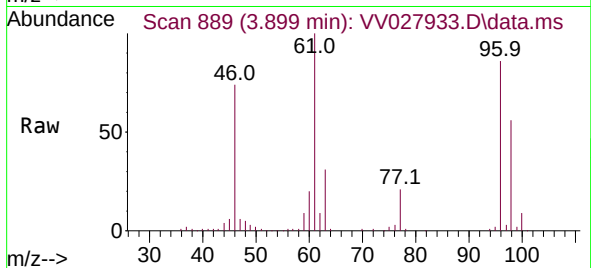
72 32.3 14.9 44.9





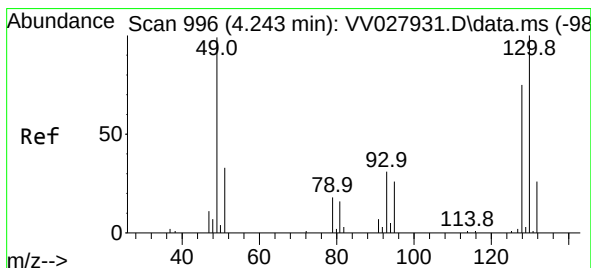
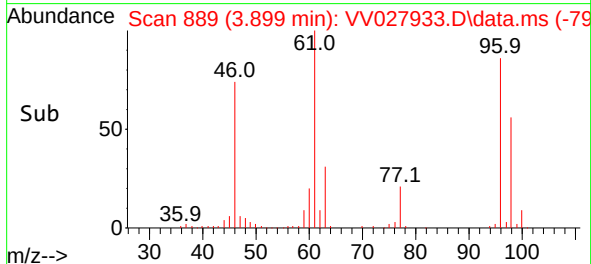
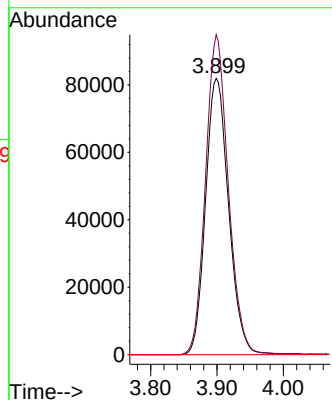
#22  
 cis-1,2-Dichloroethene  
 Concen: 20.793 ug/L  
 RT: 3.899 min Scan# 890  
 Delta R.T. -0.003 min  
 Lab File: VV027933.D  
 Acq: 19 Sep 2022 17:45

Instrument :  
 MSVOA\_V  
 ClientSampleId :



Tgt Ion: 96 Resp: 198059  

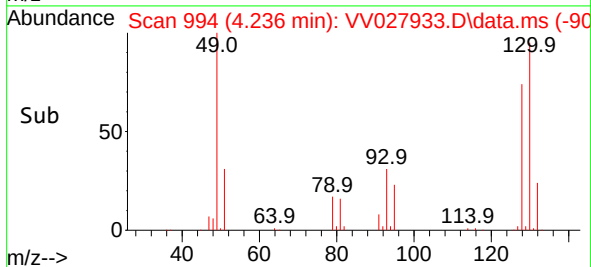
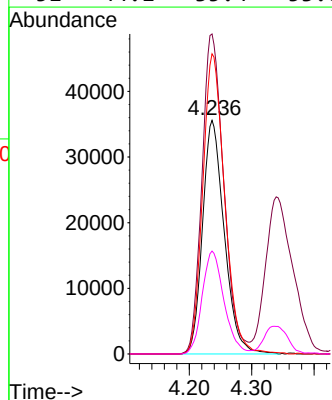
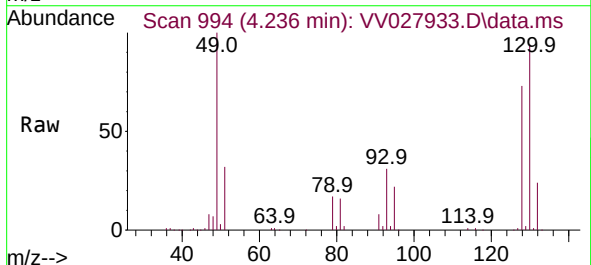
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 115.8 | 76.6  | 142.3 |
| 68  | 0.0   | 0.0   | 0.0   |

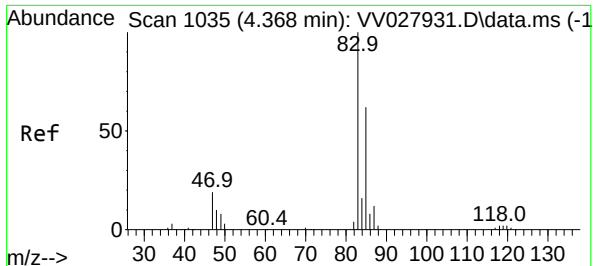


#23  
 Bromochloromethane  
 Concen: 21.087 ug/L  
 RT: 4.236 min Scan# 994  
 Delta R.T. -0.007 min  
 Lab File: VV027933.D  
 Acq: 19 Sep 2022 17:45

Tgt Ion: 128 Resp: 85876  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 49  | 137.0 | 93.4  | 173.6 |
| 130 | 128.5 | 93.9  | 174.5 |
| 51  | 44.1  | 35.4  | 53.0  |





#25

Chloroform

Concen: 18.769 ug/L

RT: 4.365 min Scan# 1034

Delta R.T. -0.003 min

Lab File: VV027933.D

Acq: 19 Sep 2022 17:45

Instrument :

MSVOA\_V

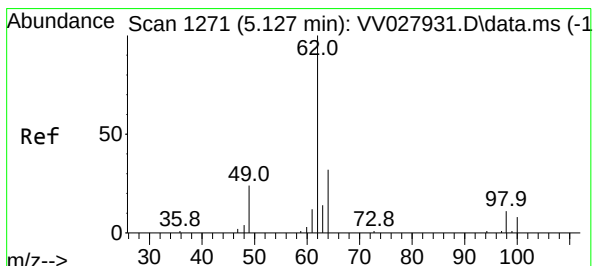
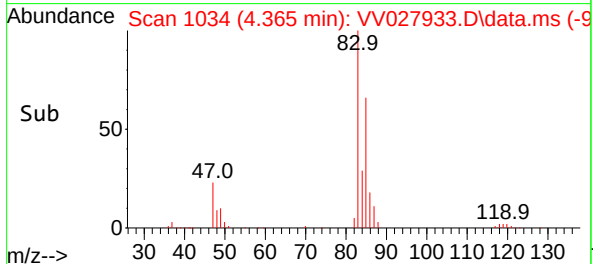
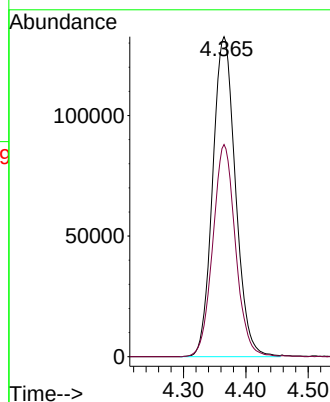
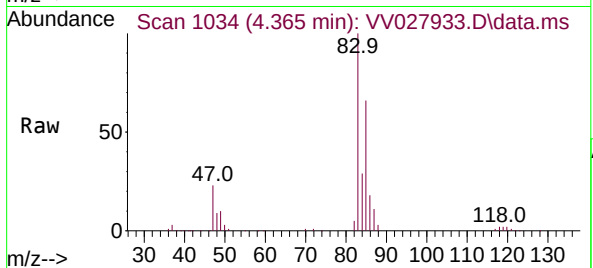
ClientSampleId :

Tgt Ion: 83 Resp: 337138

Ion Ratio Lower Upper

83 100

85 66.3 44.0 81.8



#27

1,2-Dichloroethane

Concen: 16.210 ug/L

RT: 5.121 min Scan# 1269

Delta R.T. -0.007 min

Lab File: VV027933.D

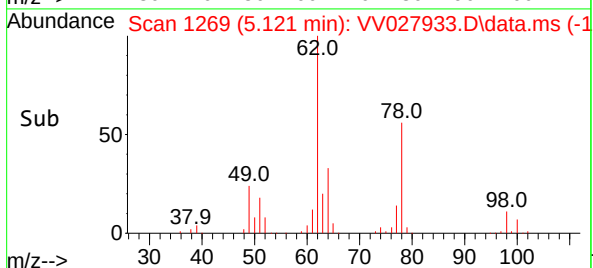
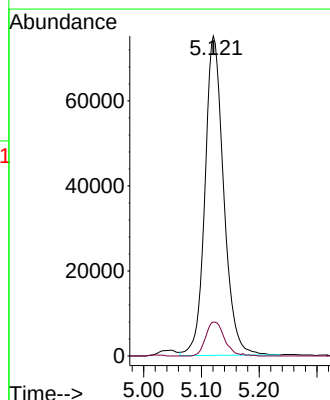
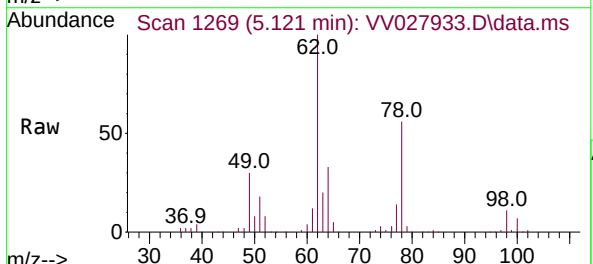
Acq: 19 Sep 2022 17:45

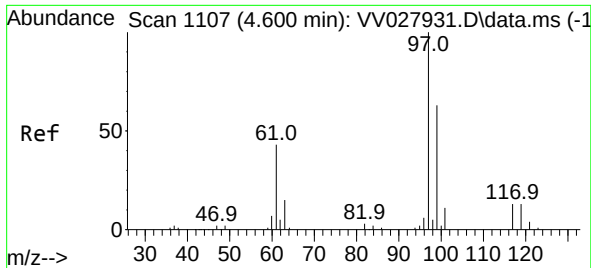
Tgt Ion: 62 Resp: 169604

Ion Ratio Lower Upper

62 100

98 10.6 8.7 13.1





#29

1,1,1-Trichloroethane

Concen: 15.656 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. -0.000 min

Lab File: VV027933.D

Acq: 19 Sep 2022 17:45

Instrument :

MSVOA\_V

ClientSampleId :

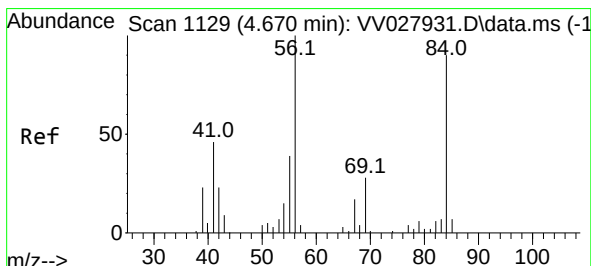
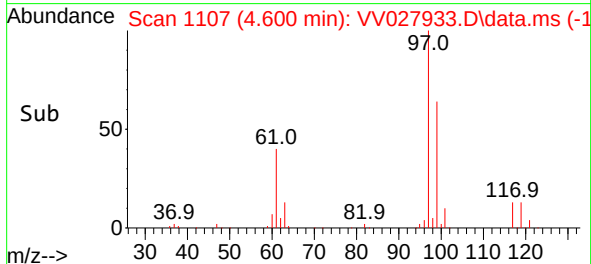
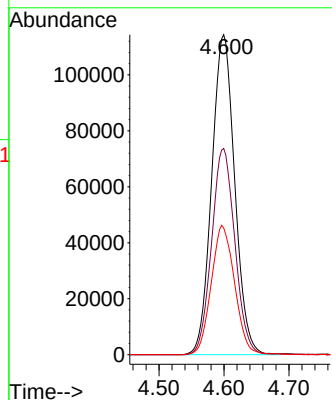
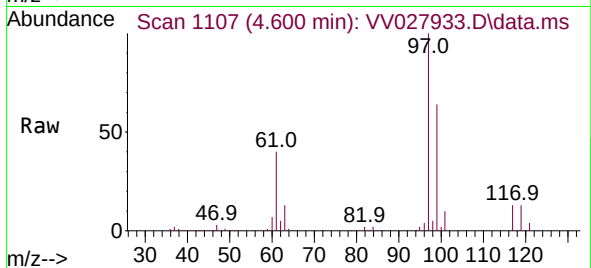
Tgt Ion: 97 Resp: 280961

Ion Ratio Lower Upper

97 100

99 65.1 51.3 76.9

61 41.0 33.6 50.4



#30

Cyclohexane

Concen: 15.877 ug/L

RT: 4.667 min Scan# 1128

Delta R.T. -0.003 min

Lab File: VV027933.D

Acq: 19 Sep 2022 17:45

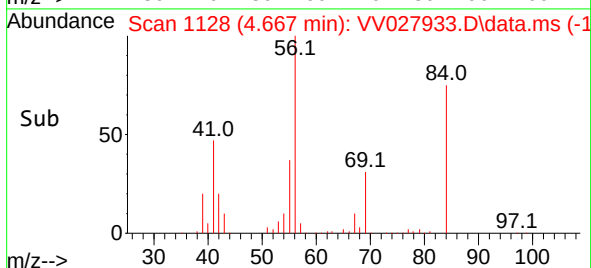
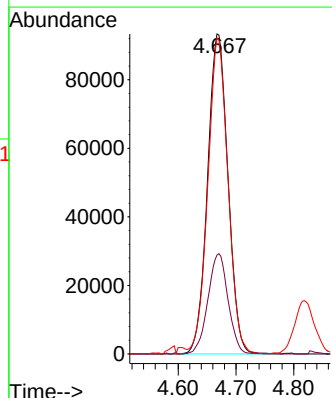
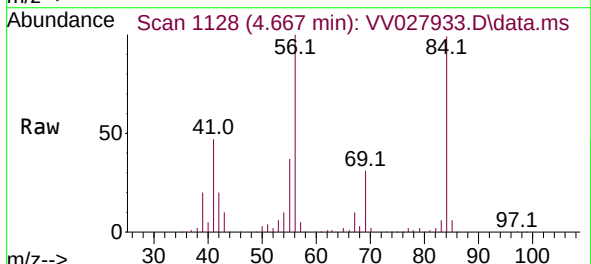
Tgt Ion: 56 Resp: 229737

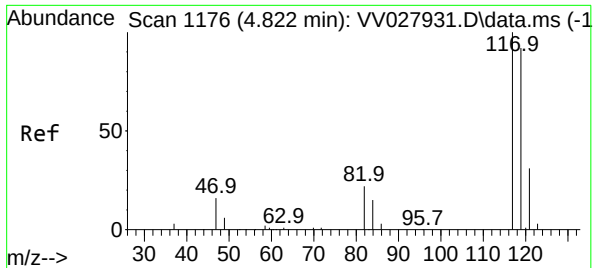
Ion Ratio Lower Upper

56 100

69 30.9 24.2 36.2

84 96.7 76.9 115.3

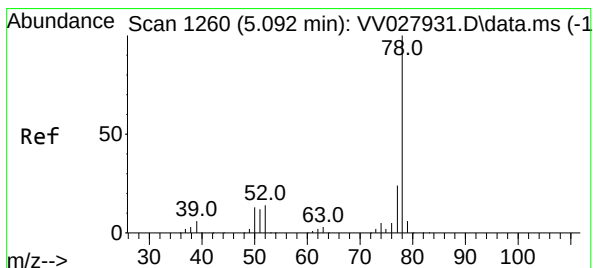
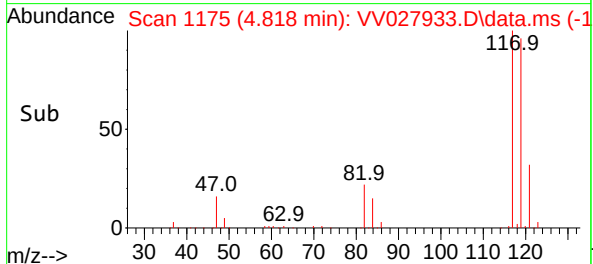
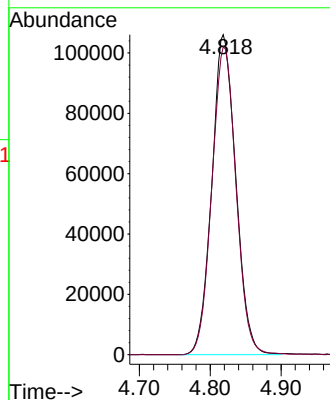
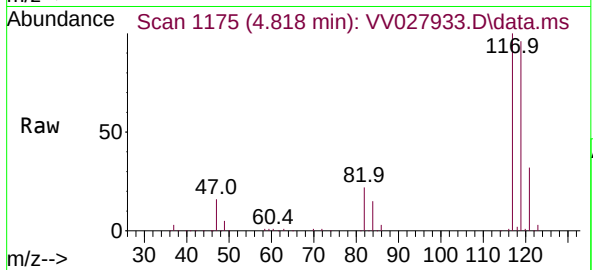




#31  
Carbon tetrachloride  
Concen: 16.222 ug/L  
RT: 4.818 min Scan# 1175  
Delta R.T. -0.003 min  
Lab File: VV027933.D  
Acq: 19 Sep 2022 17:45

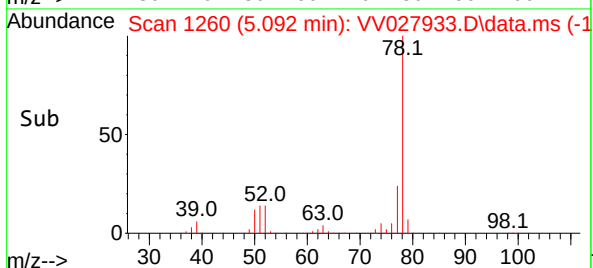
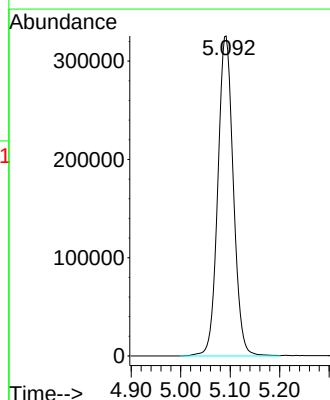
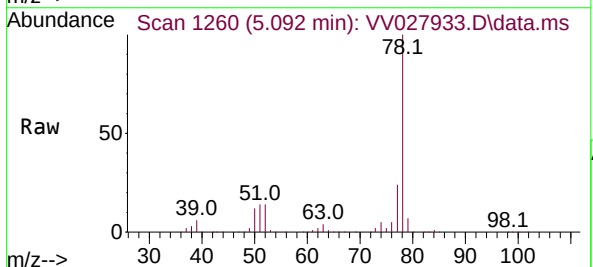
Instrument :  
MSVOA\_V  
ClientSampleId :

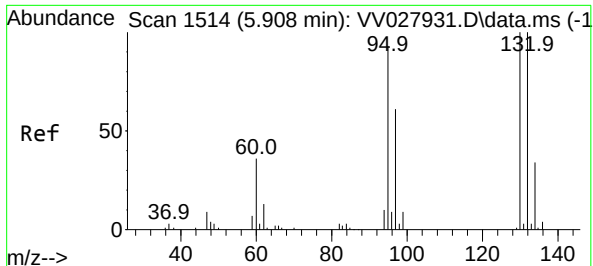
Tgt Ion:117 Resp: 249252  
Ion Ratio Lower Upper  
117 100  
119 97.1 74.2 111.4



#33  
Benzene  
Concen: 17.909 ug/L  
RT: 5.092 min Scan# 1260  
Delta R.T. -0.000 min  
Lab File: VV027933.D  
Acq: 19 Sep 2022 17:45

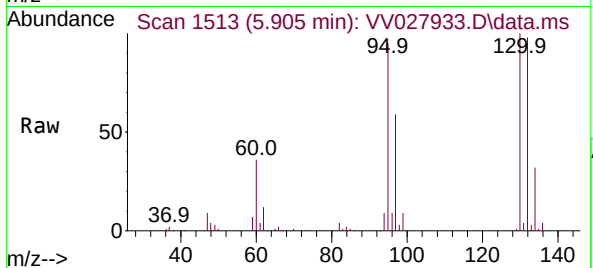
Tgt Ion: 78 Resp: 711100





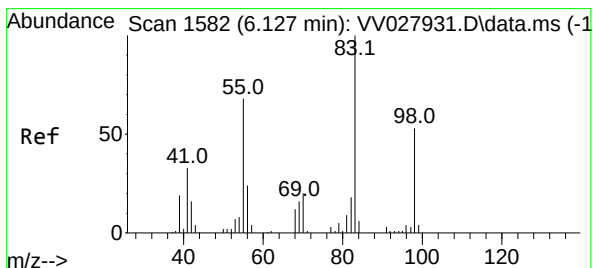
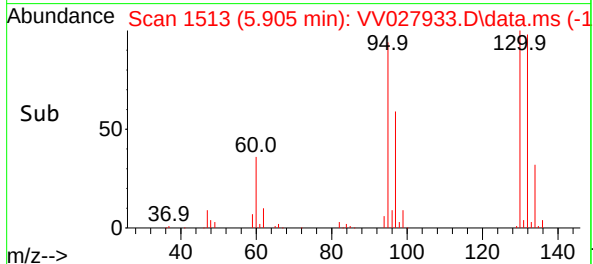
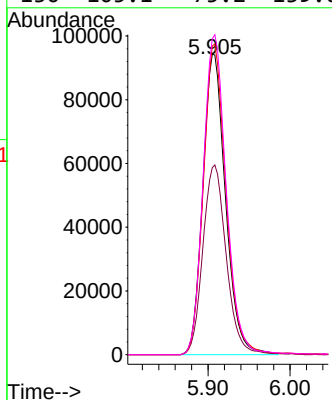
#34  
Trichloroethene  
Concen: 18.552 ug/L  
RT: 5.905 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VV027933.D  
Acq: 19 Sep 2022 17:45

Instrument :  
MSVOA\_V  
ClientSampleId :



Tgt Ion: 95 Resp: 181786

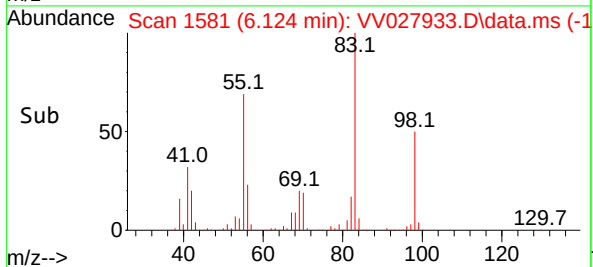
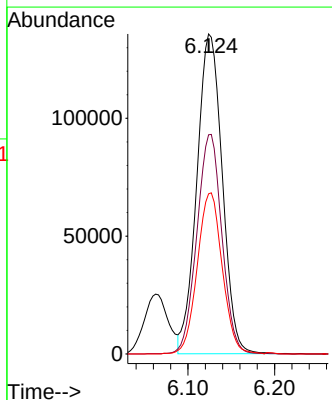
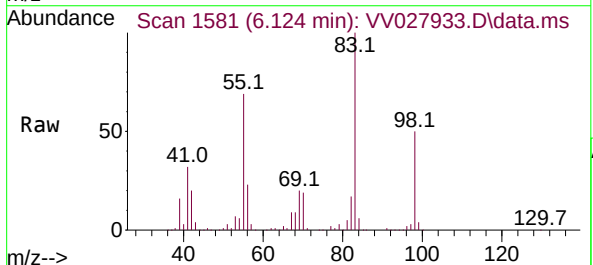
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 62.2  | 46.1  | 85.7  |
| 132 | 102.7 | 75.2  | 139.6 |
| 130 | 105.1 | 75.2  | 139.6 |



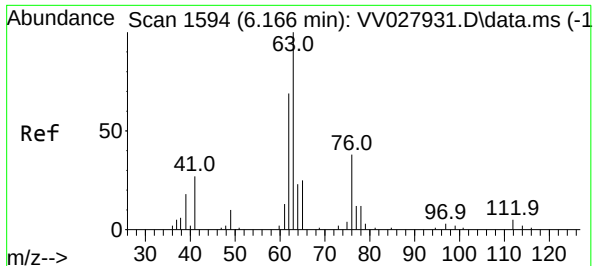
#35  
Methylcyclohexane  
Concen: 18.619 ug/L  
RT: 6.124 min Scan# 1581  
Delta R.T. -0.003 min  
Lab File: VV027933.D  
Acq: 19 Sep 2022 17:45

Tgt Ion: 83 Resp: 276724

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 67.8  | 54.5  | 81.7  |
| 98  | 49.5  | 39.6  | 59.4  |







#37

1,2-Dichloropropane

Concen: 19.844 ug/L

RT: 6.165 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV027933.D

Acq: 19 Sep 2022 17:45

Instrument :

MSVOA\_V

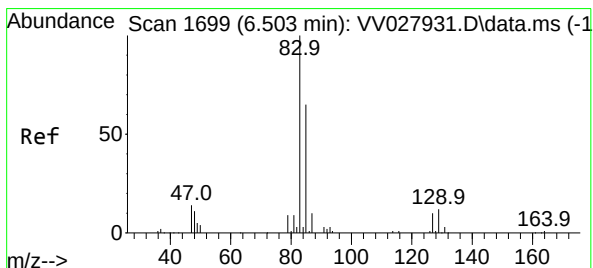
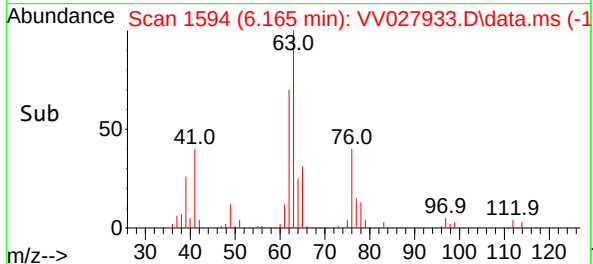
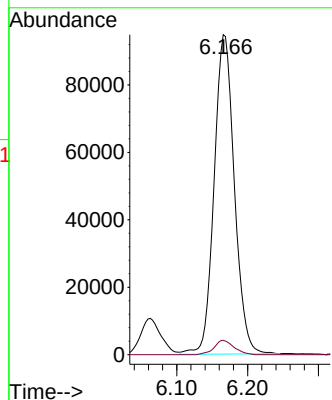
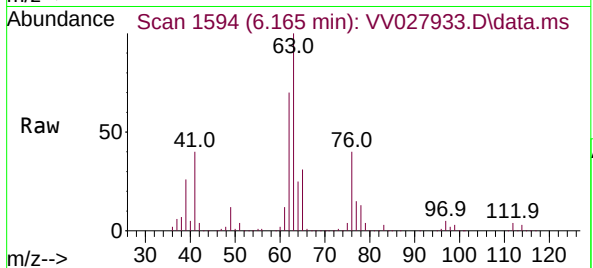
ClientSampleId :

Tgt Ion: 63 Resp: 187967

Ion Ratio Lower Upper

63 100

112 4.4 3.8 5.8



#38

Bromodichloromethane

Concen: 19.252 ug/L

RT: 6.503 min Scan# 1699

Delta R.T. -0.000 min

Lab File: VV027933.D

Acq: 19 Sep 2022 17:45

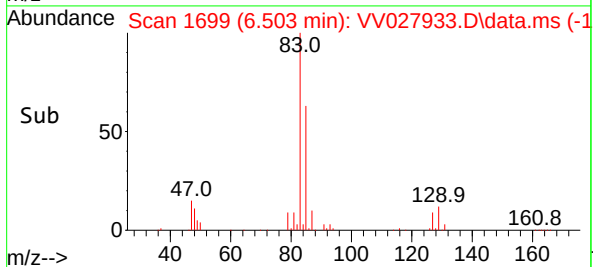
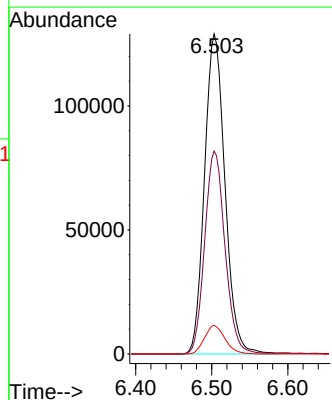
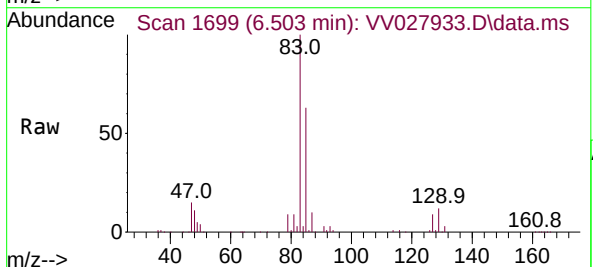
Tgt Ion: 83 Resp: 241046

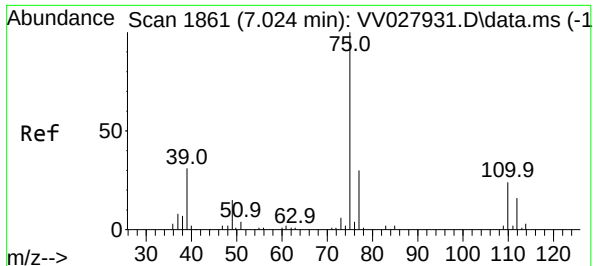
Ion Ratio Lower Upper

83 100

85 63.4 45.3 84.1

127 9.0 7.9 11.9





#39

cis-1,3-Dichloropropene

Concen: 21.683 ug/L

RT: 7.021 min Scan# 1861

Delta R.T. -0.003 min

Lab File: VV027933.D

Acq: 19 Sep 2022 17:45

Instrument :

MSVOA\_V

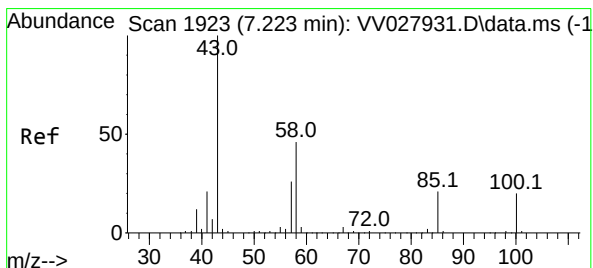
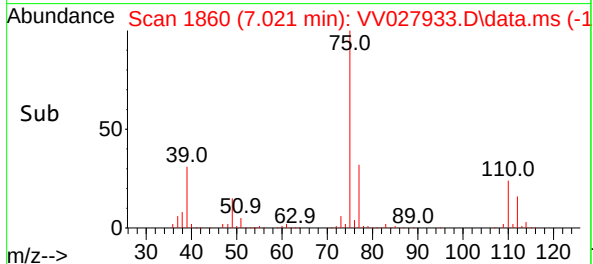
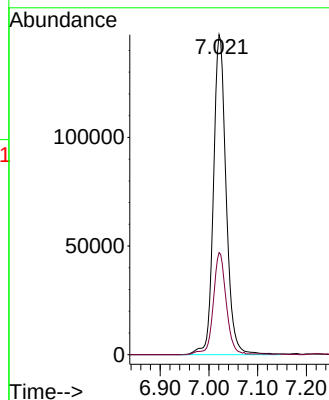
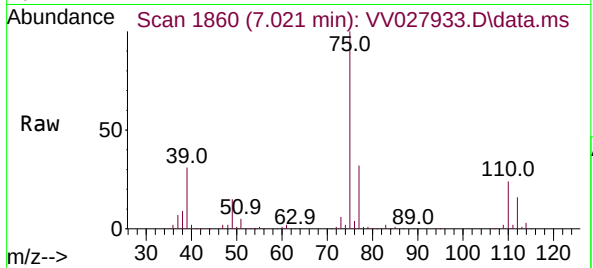
ClientSampleId :

Tgt Ion: 75 Resp: 266439

Ion Ratio Lower Upper

75 100

77 31.9 21.1 39.3



#40

4-Methyl-2-pentanone

Concen: 205.697 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. -0.000 min

Lab File: VV027933.D

Acq: 19 Sep 2022 17:45

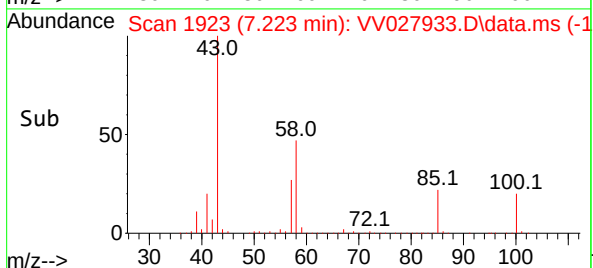
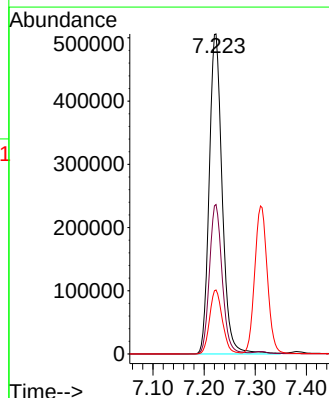
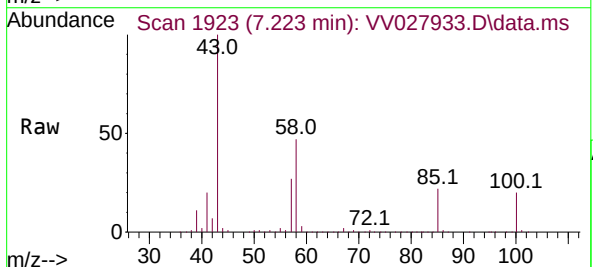
Tgt Ion: 43 Resp: 891309

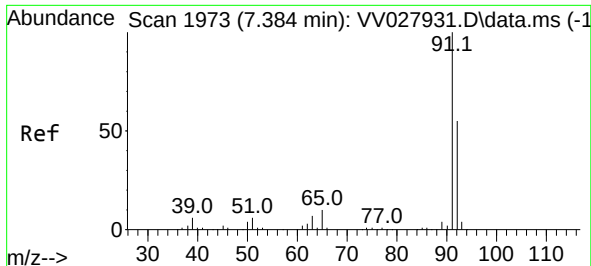
Ion Ratio Lower Upper

43 100

58 45.9 35.3 52.9

100 19.8 15.3 22.9

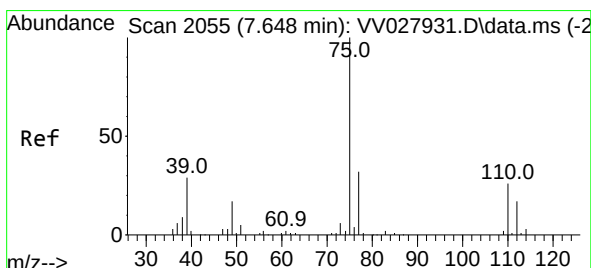
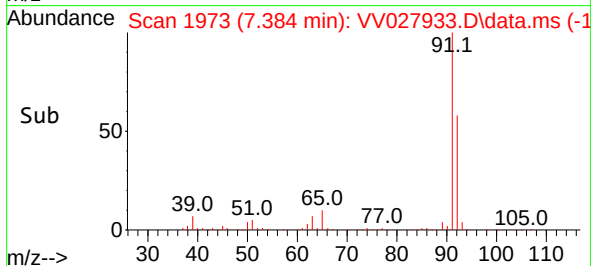
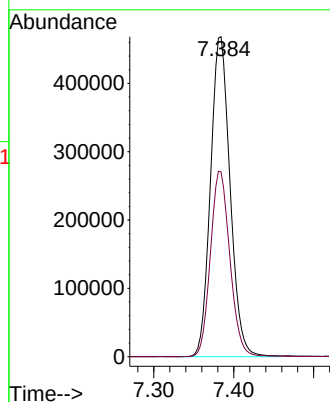
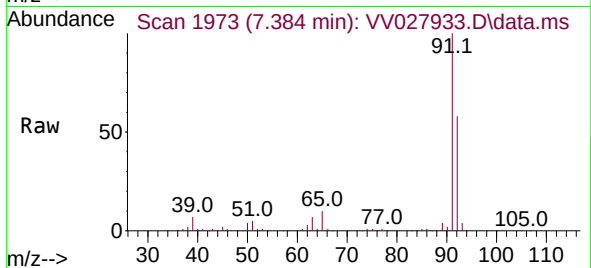




#42  
Toluene  
Concen: 20.407 ug/L  
RT: 7.384 min Scan# 1973  
Delta R.T. -0.000 min  
Lab File: VV027933.D  
Acq: 19 Sep 2022 17:45

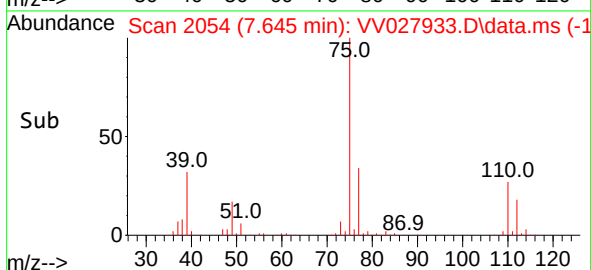
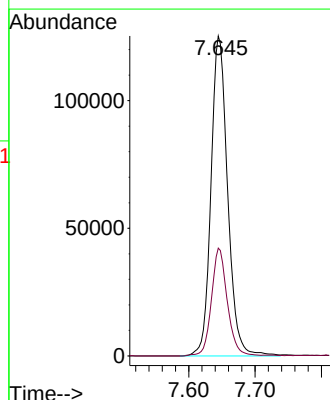
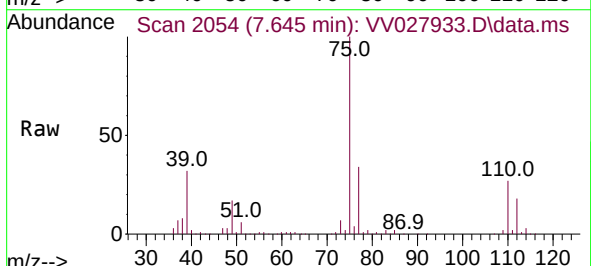
Instrument :  
MSVOA\_V  
ClientSampleId :

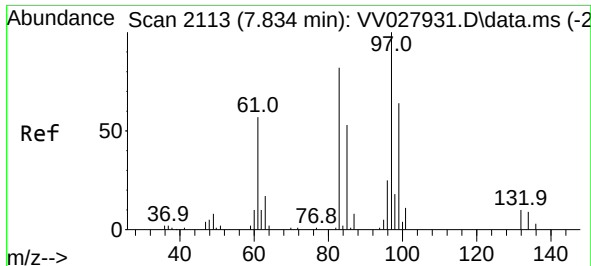
Tgt Ion: 91 Resp: 795641  
Ion Ratio Lower Upper  
91 100  
92 57.7 38.5 71.5



#44  
trans-1,3-Dichloropropene  
Concen: 21.308 ug/L  
RT: 7.645 min Scan# 2054  
Delta R.T. -0.003 min  
Lab File: VV027933.D  
Acq: 19 Sep 2022 17:45

Tgt Ion: 75 Resp: 218966  
Ion Ratio Lower Upper  
75 100  
77 33.7 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 21.443 ug/L

RT: 7.834 min Scan# 2113

Delta R.T. -0.000 min

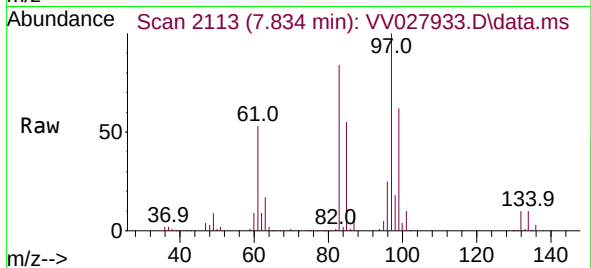
Lab File: VV027933.D

Acq: 19 Sep 2022 17:45

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion: 97 Resp: 136249

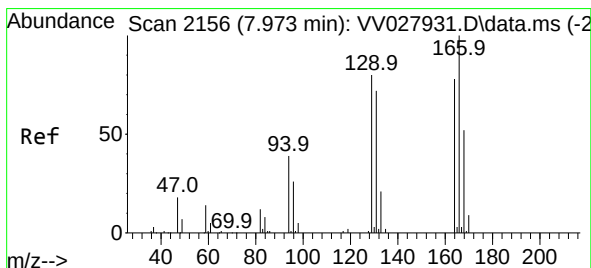
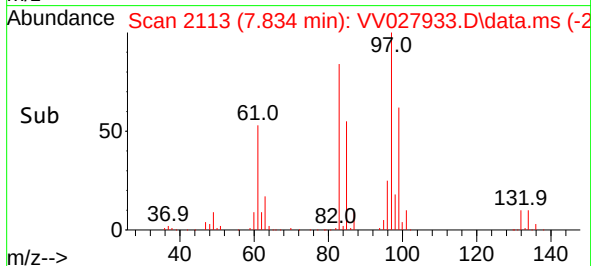
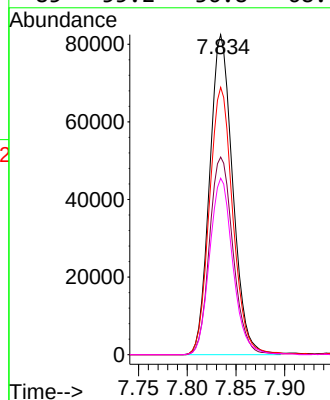
Ion Ratio Lower Upper

97 100

99 61.8 44.9 83.5

83 83.6 57.3 106.3

85 55.2 36.8 68.4



#47

Tetrachloroethene

Concen: 19.079 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. -0.000 min

Lab File: VV027933.D

Acq: 19 Sep 2022 17:45

Tgt Ion: 164 Resp: 155294

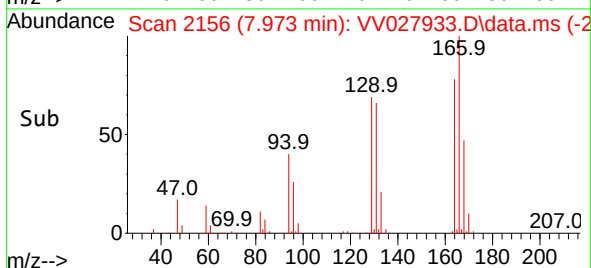
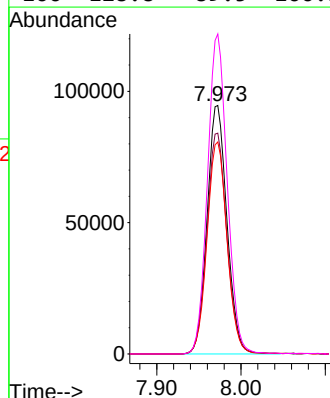
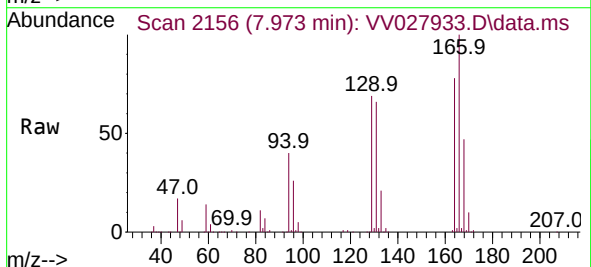
Ion Ratio Lower Upper

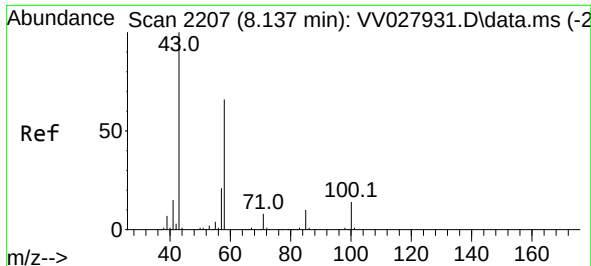
164 100

129 88.9 71.3 132.3

131 85.4 64.5 119.7

166 128.8 89.5 166.1

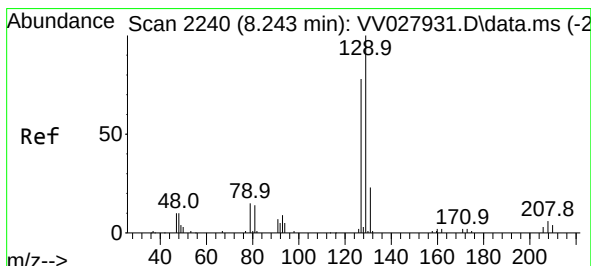
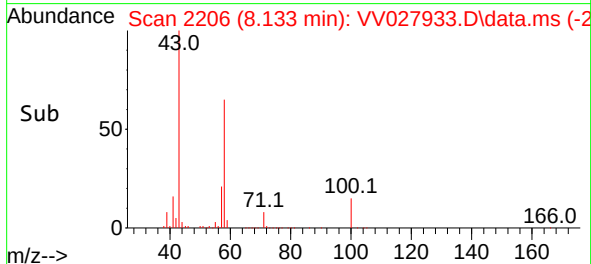
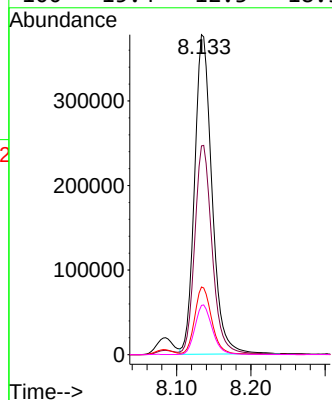
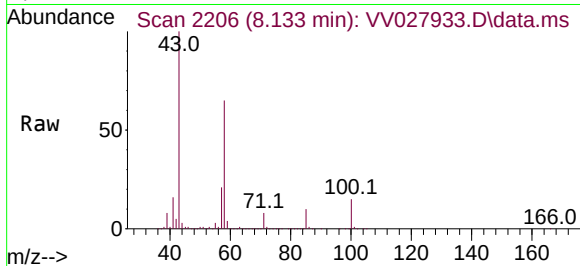




#48  
2-Hexanone  
Concen: 199.510 ug/L  
RT: 8.133 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VV027933.D  
Acq: 19 Sep 2022 17:45

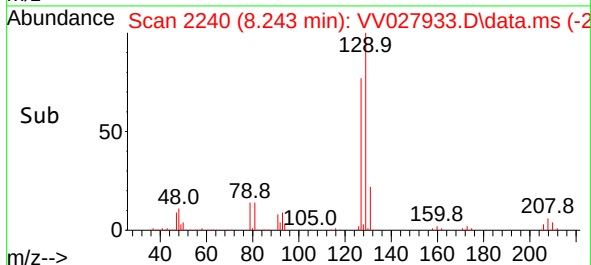
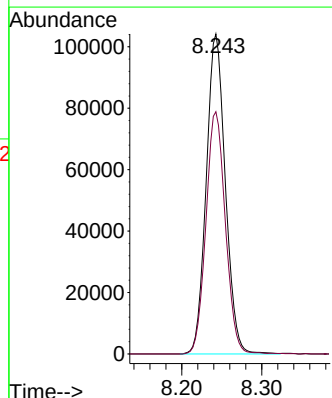
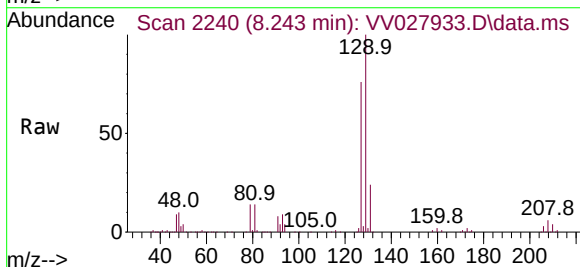
Instrument :  
MSVOA\_V  
ClientSampleId :

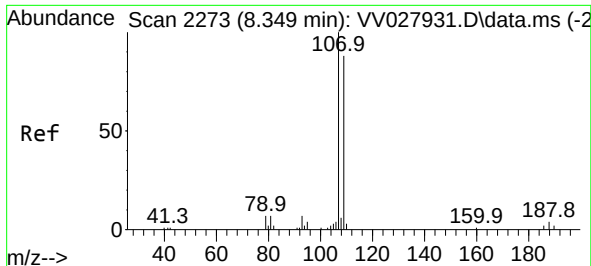
Tgt Ion: 43 Resp: 618185  
Ion Ratio Lower Upper  
43 100  
58 65.6 50.6 76.0  
57 20.8 16.2 24.4  
100 15.4 12.3 18.5



#49  
Dibromochloromethane  
Concen: 21.481 ug/L  
RT: 8.243 min Scan# 2240  
Delta R.T. -0.000 min  
Lab File: VV027933.D  
Acq: 19 Sep 2022 17:45

Tgt Ion: 129 Resp: 173109  
Ion Ratio Lower Upper  
129 100  
127 75.7 54.3 100.9

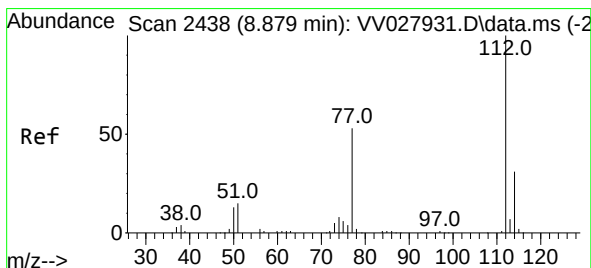
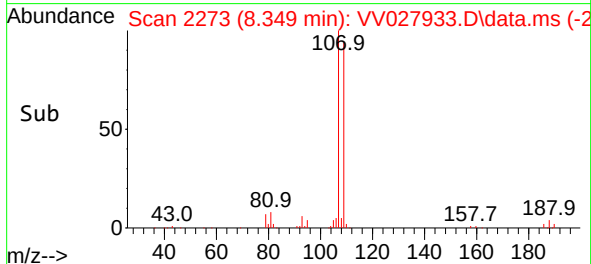
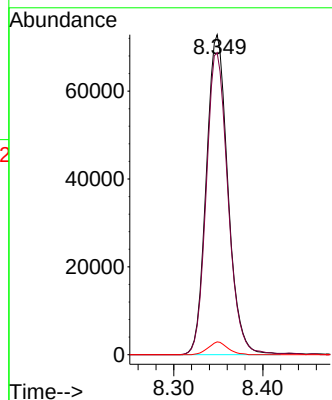
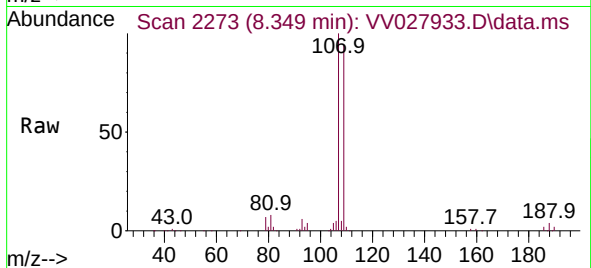




#50  
1,2-Dibromoethane  
Concen: 21.247 ug/L  
RT: 8.349 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VV027933.D  
Acq: 19 Sep 2022 17:45

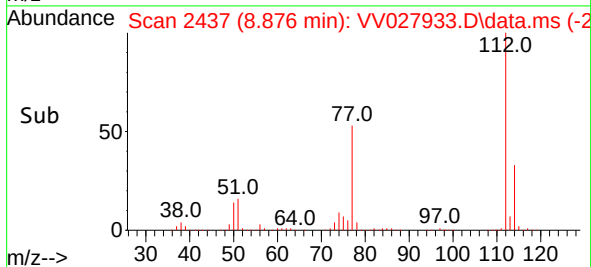
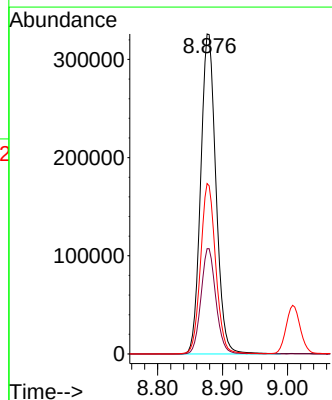
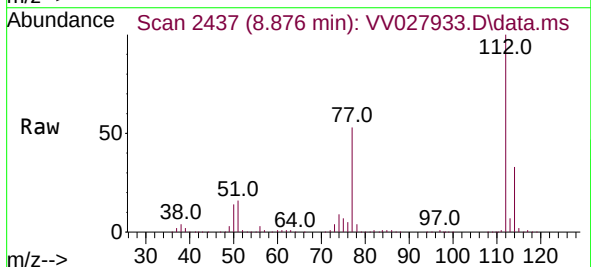
Instrument :  
MSVOA\_V  
ClientSampleId :

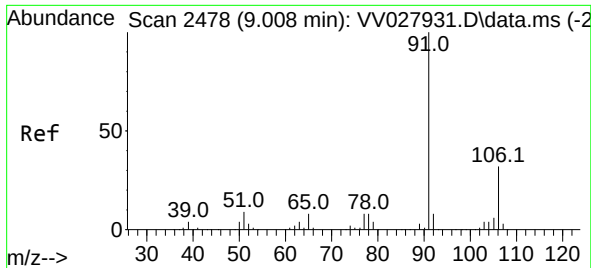
Tgt Ion:107 Resp: 122744  
Ion Ratio Lower Upper  
107 100  
109 94.4 61.4 114.0  
188 4.0 3.1 4.7



#51  
Chlorobenzene  
Concen: 20.792 ug/L  
RT: 8.876 min Scan# 2437  
Delta R.T. -0.003 min  
Lab File: VV027933.D  
Acq: 19 Sep 2022 17:45

Tgt Ion:112 Resp: 533634  
Ion Ratio Lower Upper  
112 100  
114 32.9 22.0 40.8  
77 53.3 42.7 64.1

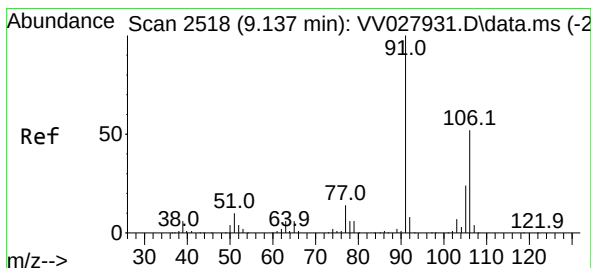
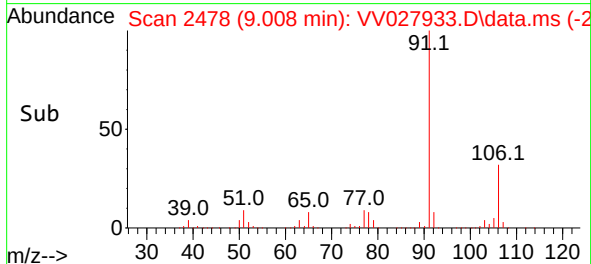
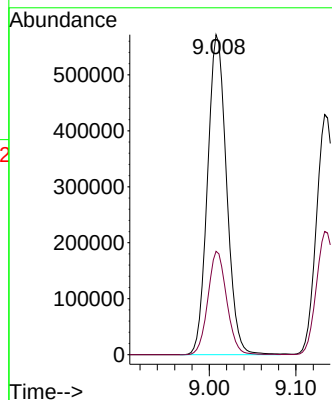
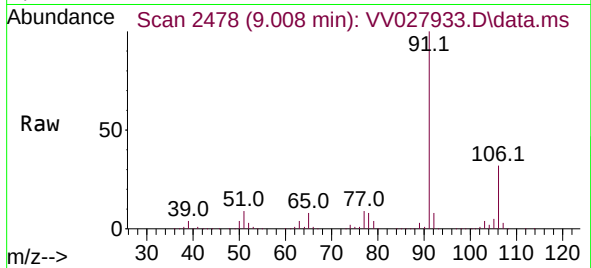




#52  
Ethylbenzene  
Concen: 21.446 ug/L  
RT: 9.008 min Scan# 2478  
Delta R.T. -0.000 min  
Lab File: VV027933.D  
Acq: 19 Sep 2022 17:45

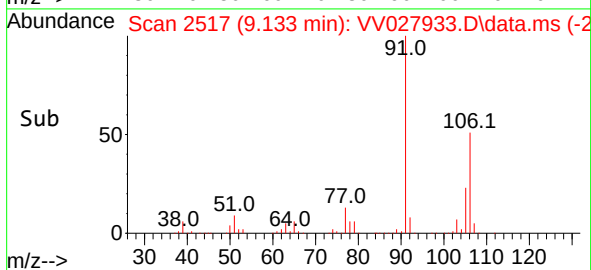
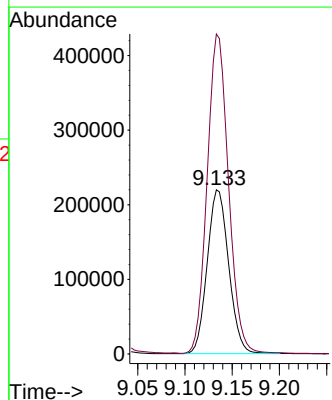
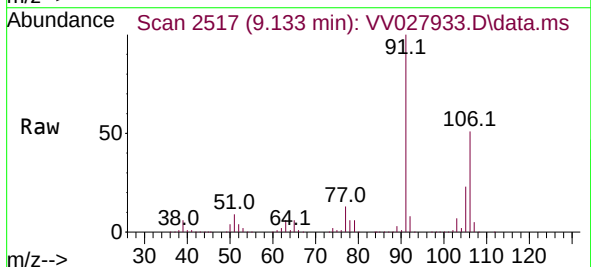
Instrument :  
MSVOA\_V  
ClientSampleId :

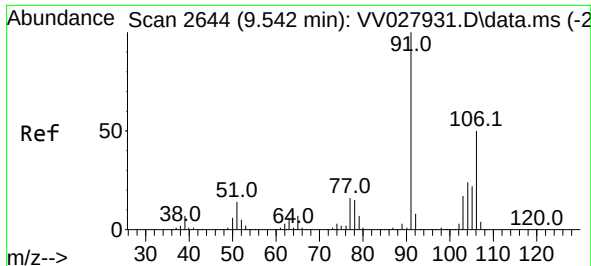
Tgt Ion: 91 Resp: 874448  
Ion Ratio Lower Upper  
91 100  
106 32.3 22.2 41.2



#53  
m,p-Xylene  
Concen: 21.643 ug/L  
RT: 9.133 min Scan# 2517  
Delta R.T. -0.003 min  
Lab File: VV027933.D  
Acq: 19 Sep 2022 17:45

Tgt Ion: 106 Resp: 346779  
Ion Ratio Lower Upper  
106 100  
91 195.0 134.7 250.1

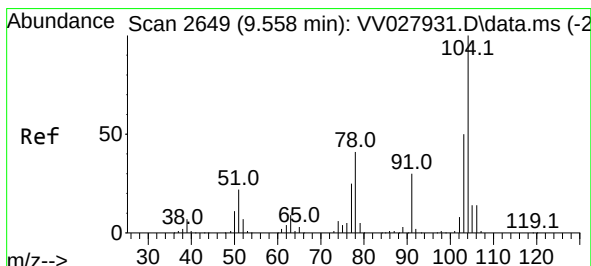
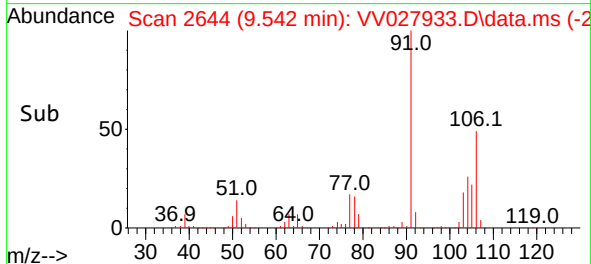
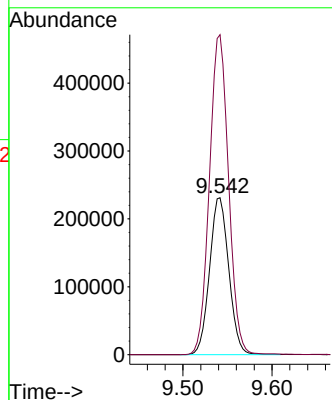
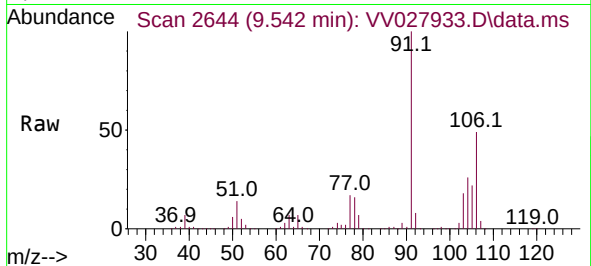




#54  
o-Xylene  
Concen: 22.587 ug/L  
RT: 9.542 min Scan# 2644  
Delta R.T. -0.000 min  
Lab File: VV027933.D  
Acq: 19 Sep 2022 17:45

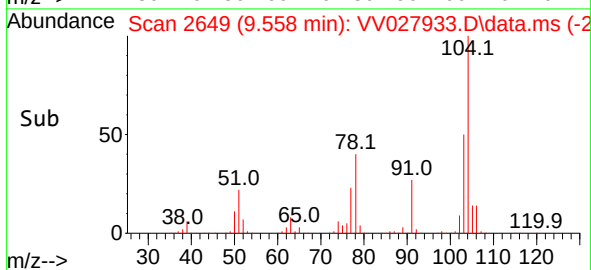
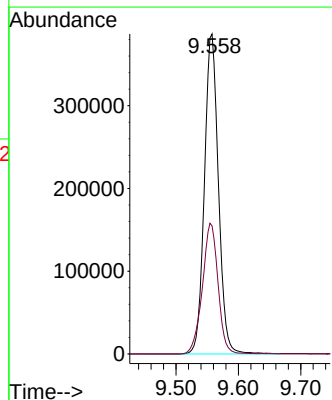
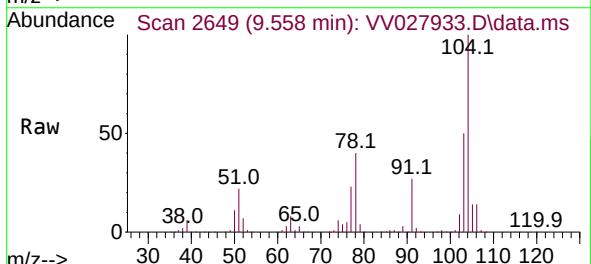
Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion:106 Resp: 346253  
Ion Ratio Lower Upper  
106 100  
91 203.8 139.4 259.0

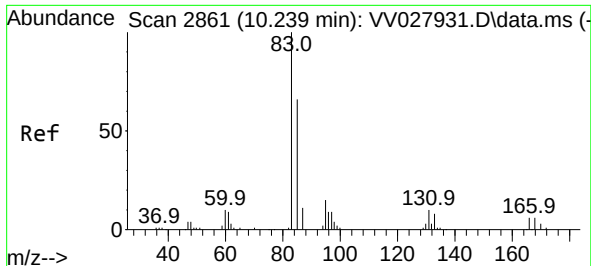


#55  
Styrene  
Concen: 22.768 ug/L  
RT: 9.558 min Scan# 2649  
Delta R.T. -0.000 min  
Lab File: VV027933.D  
Acq: 19 Sep 2022 17:45

Tgt Ion:104 Resp: 605800  
Ion Ratio Lower Upper  
104 100  
78 40.1 28.4 52.8







#57

1,1,2,2-Tetrachloroethane

Concen: 23.130 ug/L

RT: 10.236 min Scan# 2861

Delta R.T. -0.003 min

Lab File: VV027933.D

Acq: 19 Sep 2022 17:45

Instrument :

MSVOA\_V

ClientSampleId :

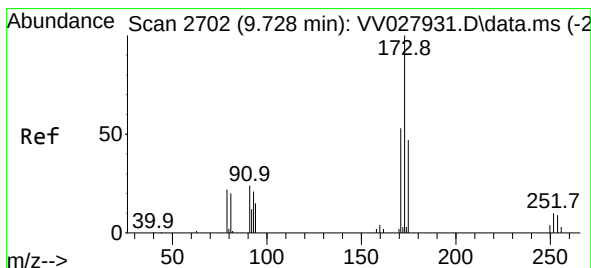
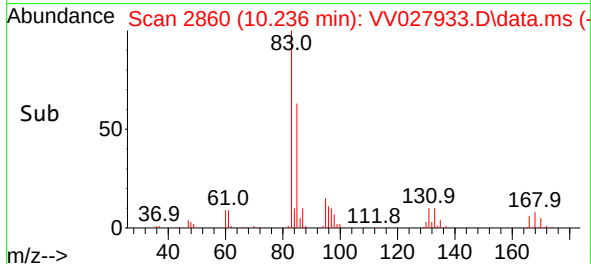
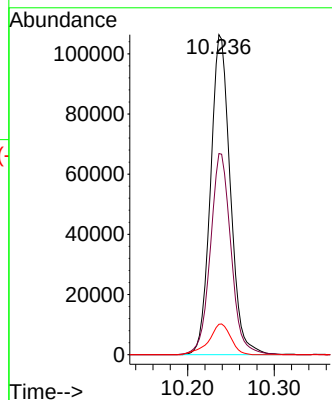
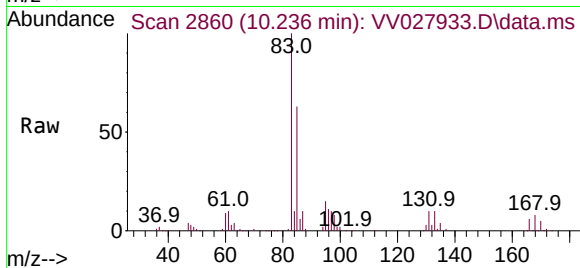
Tgt Ion: 83 Resp: 168622

Ion Ratio Lower Upper

83 100

85 62.9 46.5 86.3

131 9.5 8.3 12.5



#59

Bromoform

Concen: 20.859 ug/L

RT: 9.728 min Scan# 2702

Delta R.T. -0.000 min

Lab File: VV027933.D

Acq: 19 Sep 2022 17:45

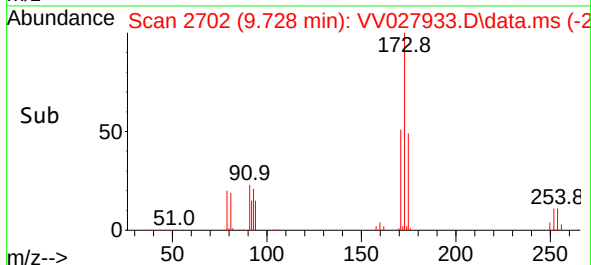
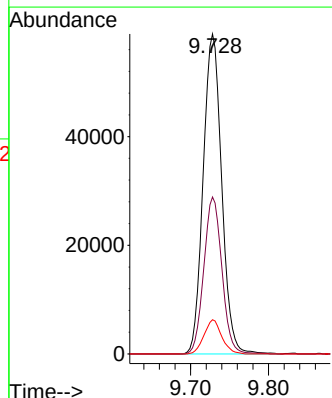
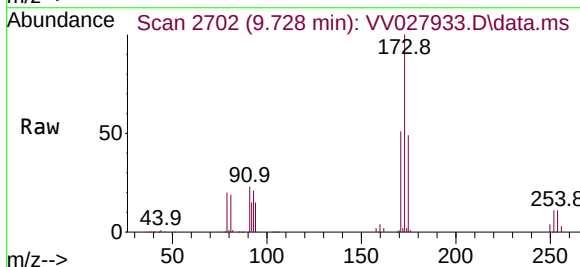
Tgt Ion: 173 Resp: 97148

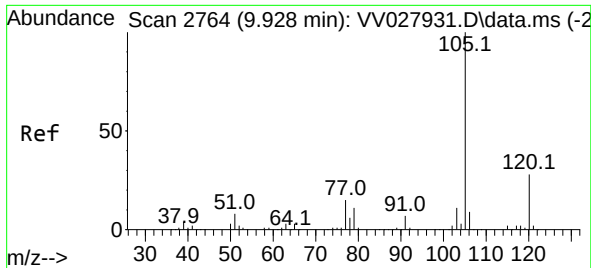
Ion Ratio Lower Upper

173 100

175 47.9 37.5 56.3

254 10.2 7.3 10.9

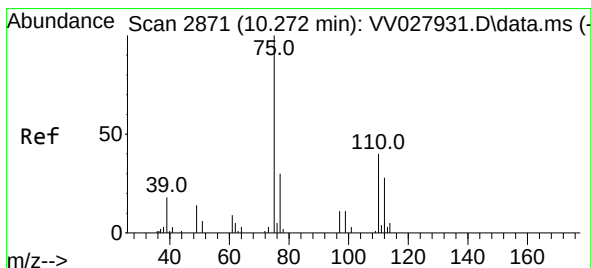
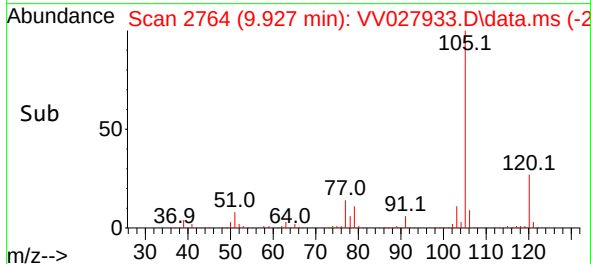
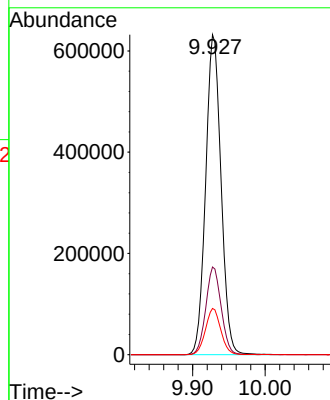
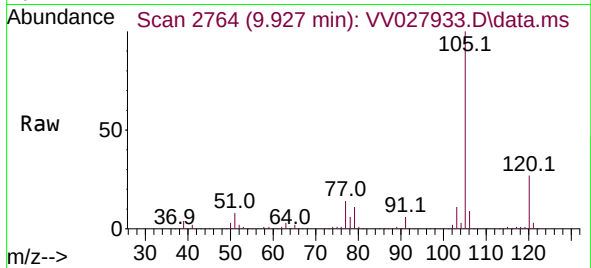




#60  
Isopropylbenzene  
Concen: 20.101 ug/L  
RT: 9.927 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VV027933.D  
Acq: 19 Sep 2022 17:45

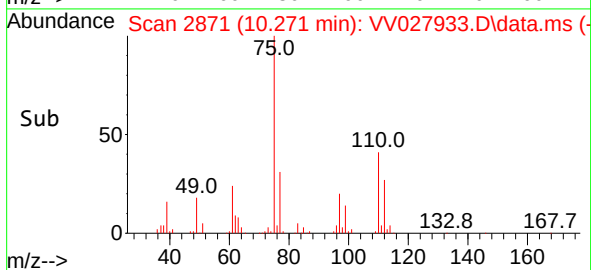
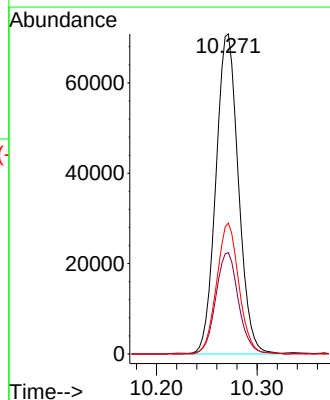
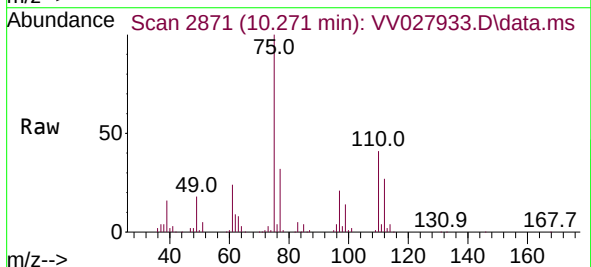
Instrument :  
MSVOA\_V  
ClientSampleId :

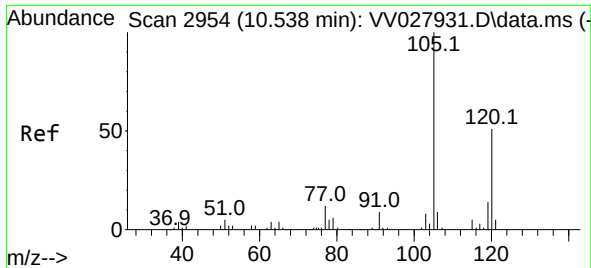
Tgt Ion:105 Resp: 930326  
Ion Ratio Lower Upper  
105 100  
120 27.3 22.3 33.5  
77 14.4 11.7 17.5



#61  
1,2,3-Trichloropropane  
Concen: 18.447 ug/L  
RT: 10.271 min Scan# 2871  
Delta R.T. -0.000 min  
Lab File: VV027933.D  
Acq: 19 Sep 2022 17:45

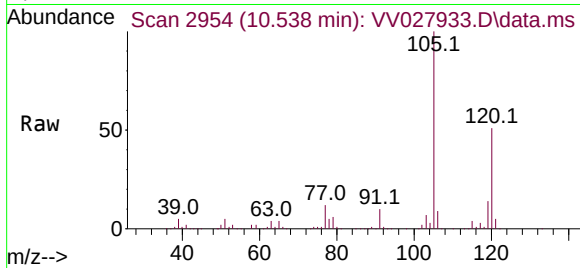
Tgt Ion: 75 Resp: 110410  
Ion Ratio Lower Upper  
75 100  
77 32.0 26.1 39.1  
110 40.4 31.3 46.9



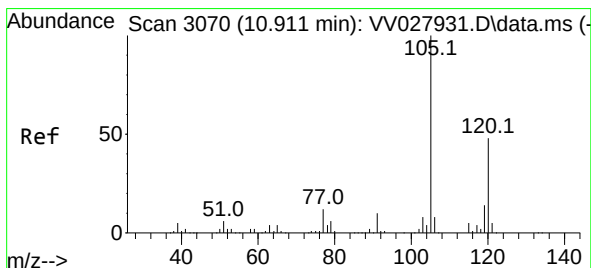
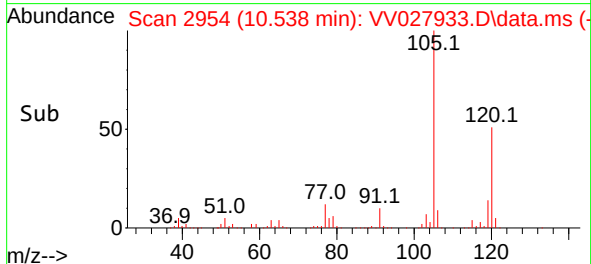
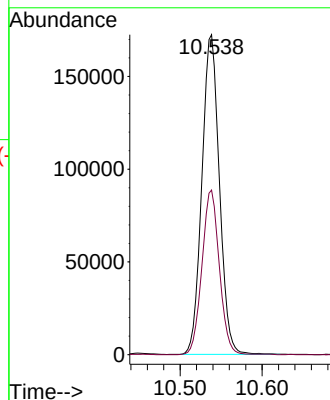


#62  
 1,3,5-Trimethylbenzene  
 Concen: 19.679 ug/L  
 RT: 10.538 min Scan# 2954  
 Delta R.T. -0.000 min  
 Lab File: VV027933.D  
 Acq: 19 Sep 2022 17:45

Instrument :  
 MSVOA\_V  
 ClientSampleId :

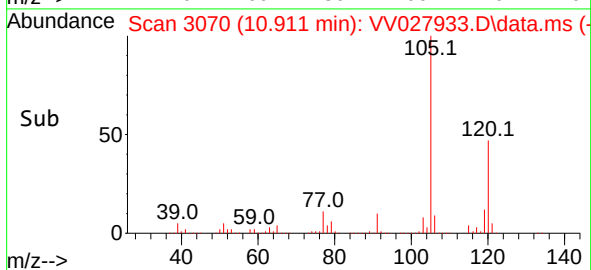
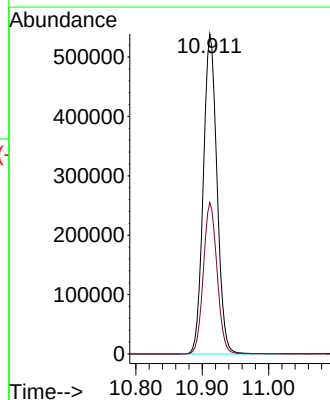
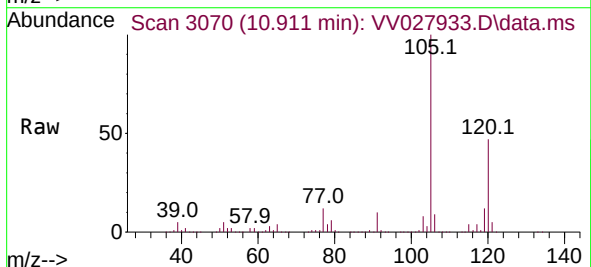


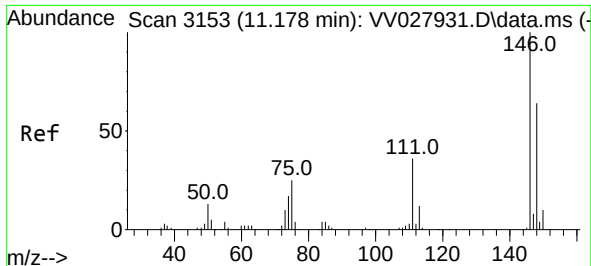
Tgt Ion:105 Resp: 255575  
 Ion Ratio Lower Upper  
 105 100  
 120 51.1 40.2 60.2



#63  
 1,2,4-Trimethylbenzene  
 Concen: 20.786 ug/L  
 RT: 10.911 min Scan# 3070  
 Delta R.T. -0.000 min  
 Lab File: VV027933.D  
 Acq: 19 Sep 2022 17:45

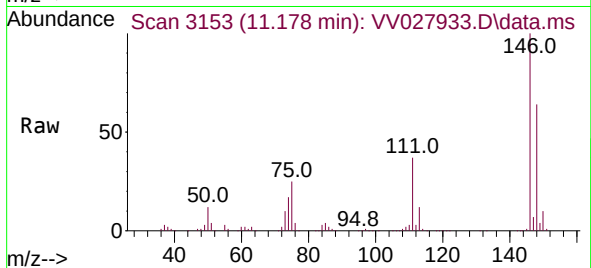
Tgt Ion:105 Resp: 775177  
 Ion Ratio Lower Upper  
 105 100  
 120 47.3 37.9 56.9



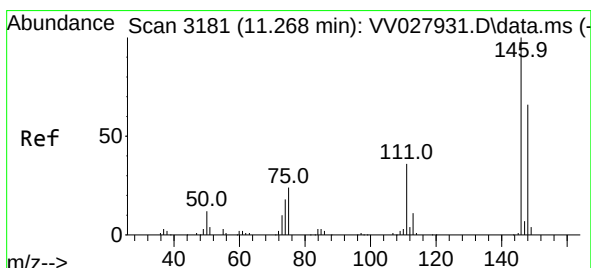
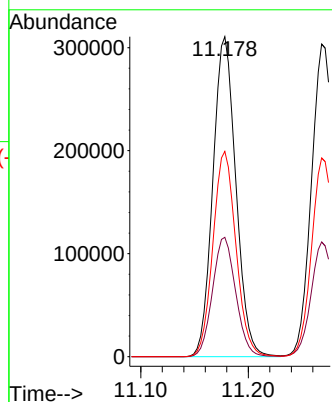
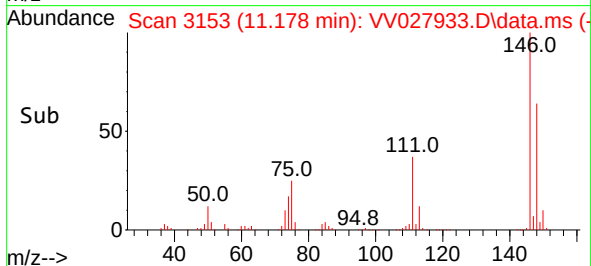


#64  
1,3-Dichlorobenzene  
Concen: 19.298 ug/L  
RT: 11.178 min Scan# 3153  
Delta R.T. -0.000 min  
Lab File: VV027933.D  
Acq: 19 Sep 2022 17:45

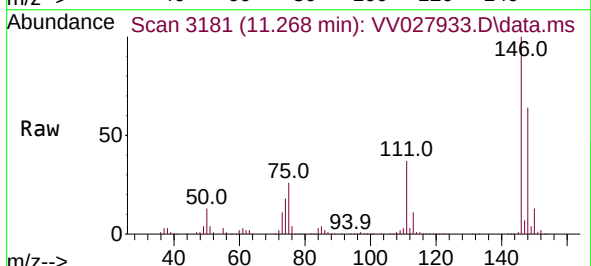
Instrument :  
MSVOA\_V  
ClientSampleId :



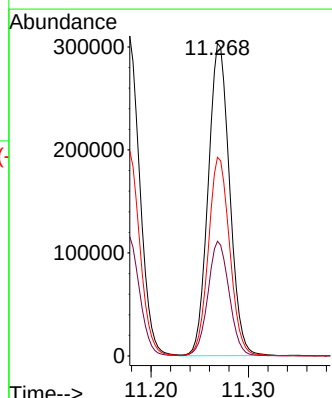
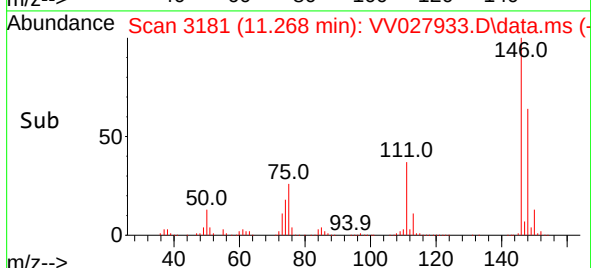
Tgt Ion:146 Resp: 461772  
Ion Ratio Lower Upper  
146 100  
111 37.3 25.3 46.9  
148 64.2 44.4 82.5

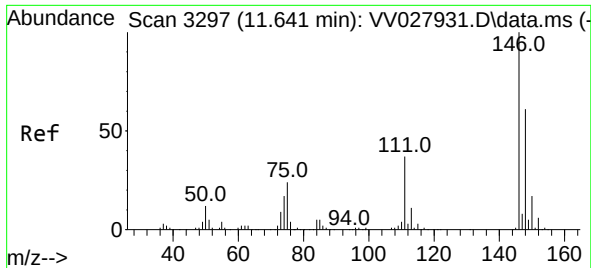


#65  
1,4-Dichlorobenzene  
Concen: 19.161 ug/L  
RT: 11.268 min Scan# 3181  
Delta R.T. -0.000 min  
Lab File: VV027933.D  
Acq: 19 Sep 2022 17:45



Tgt Ion:146 Resp: 462316  
Ion Ratio Lower Upper  
146 100  
111 36.7 25.2 46.8  
148 63.6 46.2 85.8





#67

1,2-Dichlorobenzene

Concen: 19.424 ug/L

RT: 11.641 min Scan# 3297

Delta R.T. -0.000 min

Lab File: VV027933.D

Acq: 19 Sep 2022 17:45

Instrument :

MSVOA\_V

ClientSampleId :

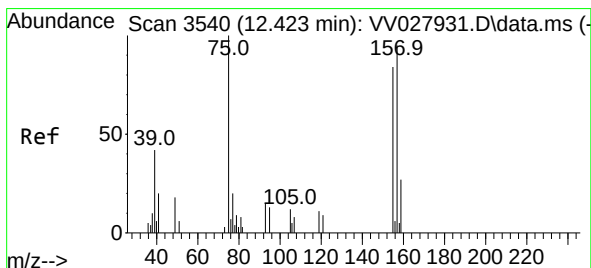
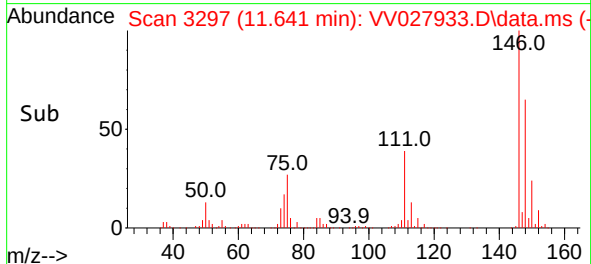
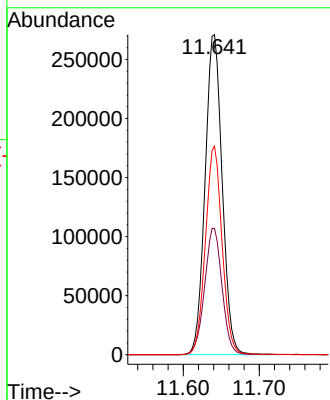
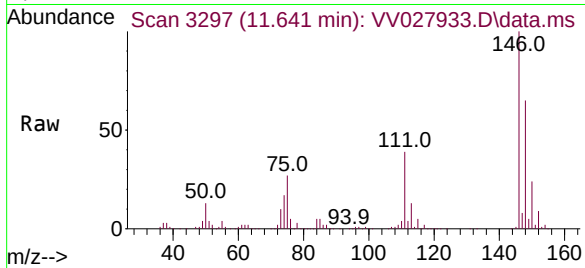
Tgt Ion:146 Resp: 423677

Ion Ratio Lower Upper

146 100

111 39.4 29.7 44.5

148 65.2 48.7 73.1



#68

1,2-Dibromo-3-chloropropane

Concen: 18.139 ug/L

RT: 12.426 min Scan# 3541

Delta R.T. 0.003 min

Lab File: VV027933.D

Acq: 19 Sep 2022 17:45

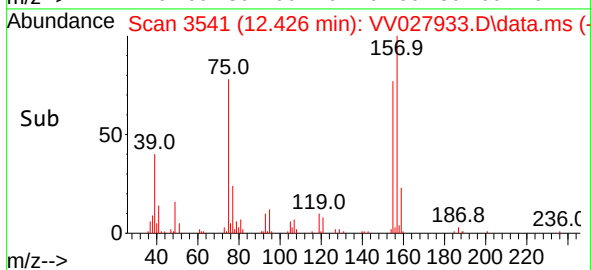
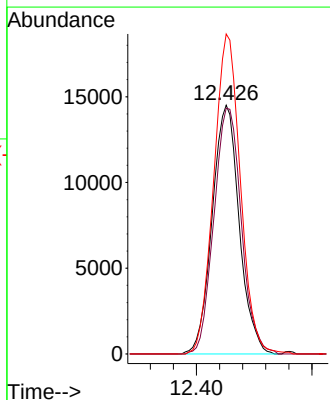
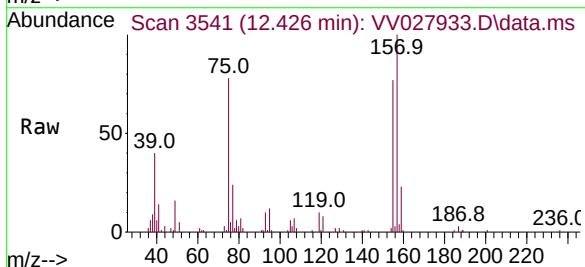
Tgt Ion: 75 Resp: 23559

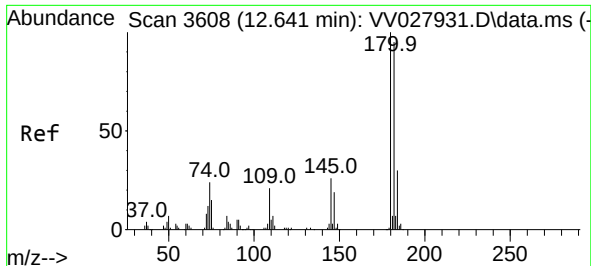
Ion Ratio Lower Upper

75 100

155 98.8 67.6 101.4

157 128.6 75.9 113.9#

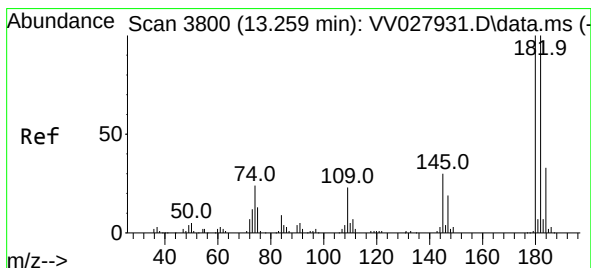
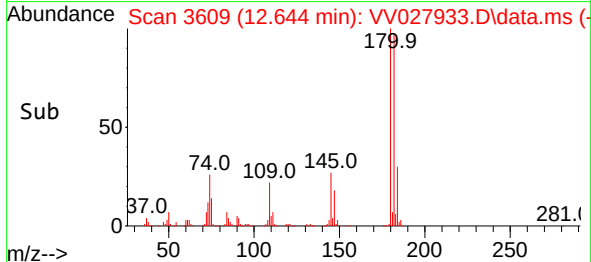
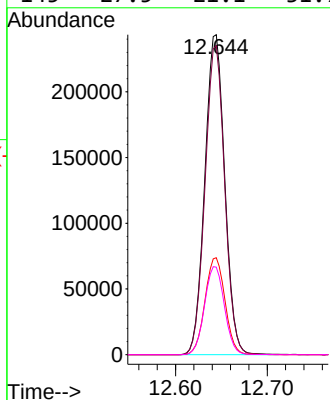
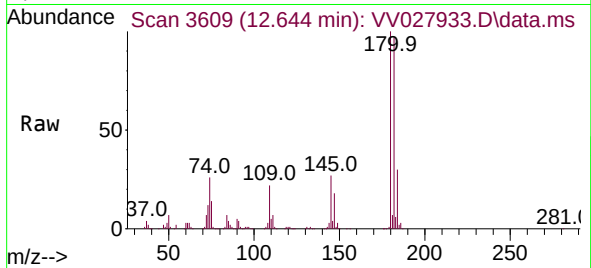




#69  
 1,3,5-Trichlorobenzene  
 Concen: 19.931 ug/L  
 RT: 12.644 min Scan# 3608  
 Delta R.T. 0.003 min  
 Lab File: VV027933.D  
 Acq: 19 Sep 2022 17:45

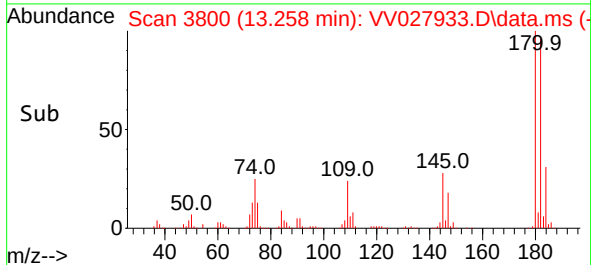
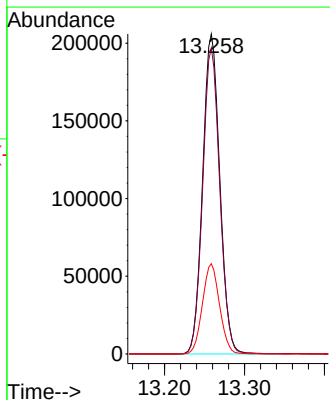
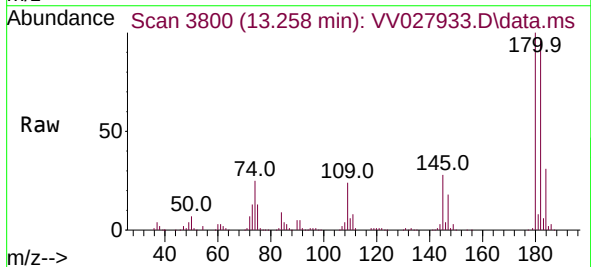
Instrument :  
 MSVOA\_V  
 ClientSampleId :

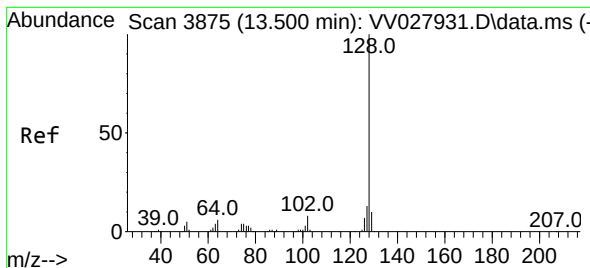
|             |                 |
|-------------|-----------------|
| Tgt Ion:180 | Resp: 367738    |
| Ion Ratio   | Lower Upper     |
| 180         | 100             |
| 182         | 95.4 76.7 115.1 |
| 184         | 30.4 24.6 37.0  |
| 145         | 27.5 21.1 31.7  |



#70  
 1,2,4-trichlorobenzene  
 Concen: 20.779 ug/L  
 RT: 13.258 min Scan# 3800  
 Delta R.T. -0.000 min  
 Lab File: VV027933.D  
 Acq: 19 Sep 2022 17:45

|             |                 |
|-------------|-----------------|
| Tgt Ion:180 | Resp: 308023    |
| Ion Ratio   | Lower Upper     |
| 180         | 100             |
| 182         | 95.3 76.7 115.1 |
| 145         | 28.1 23.0 34.4  |





#71

Naphthalene

Concen: 21.050 ug/L

RT: 13.500 min Scan# 3875

Delta R.T. -0.000 min

Lab File: VV027933.D

Acq: 19 Sep 2022 17:45

Instrument :

MSVOA\_V

ClientSampleId :

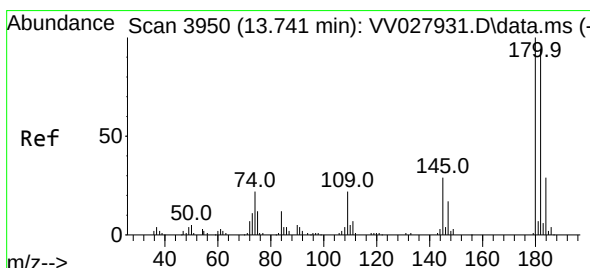
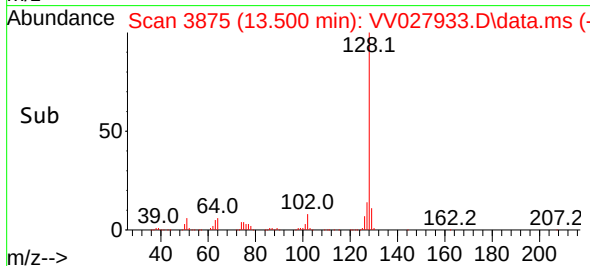
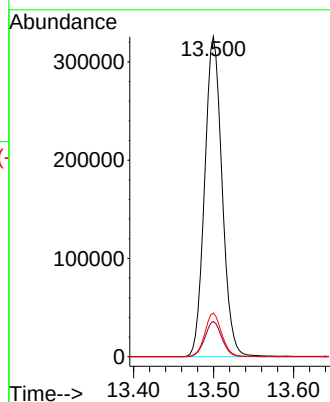
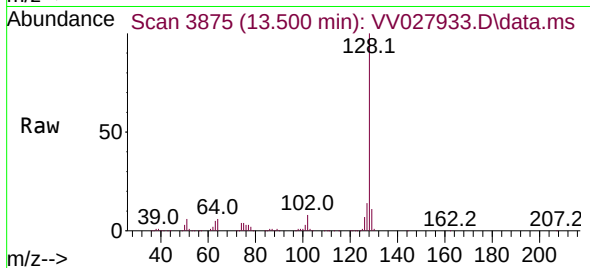
Tgt Ion:128 Resp: 495465

Ion Ratio Lower Upper

128 100

129 10.7 8.2 12.2

127 13.1 10.2 15.2



#72

1,2,3-Trichlorobenzene

Concen: 20.740 ug/L

RT: 13.741 min Scan# 3950

Delta R.T. -0.000 min

Lab File: VV027933.D

Acq: 19 Sep 2022 17:45

Tgt Ion:180 Resp: 274562

Ion Ratio Lower Upper

180 100

182 94.5 74.2 111.2

145 29.8 23.9 35.9

