

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW072822\  
 Data File : VW027043.D  
 Acq On : 28 Jul 2022 17:06  
 Operator : SY/MD  
 Sample : VSTD10040  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD100240

Quant Time: Jul 29 01:27:48 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM072822WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jul 29 01:24:47 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Difluorobenzene        | 5.612  | 114  | 593258   | 50.000  | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.850  | 117  | 590359   | 50.000  | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152  | 337429   | 50.000  | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 4) Vinyl Chloride-d3          | 1.301  | 65   | 568509   | 100.727 | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 1.561  | 69   | 452294   | 101.141 | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.101  | 63   | 989826   | 103.013 | ug/L  | 0.00     |
| 21) 2-Butanone-d5             | 3.883  | 46   | 659502   | 195.166 | ug/L  | 0.00     |
| 24) Chloroform-d              | 4.339  | 84   | 1038327  | 102.144 | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.024  | 65   | 585935   | 101.539 | ug/L  | 0.00     |
| 32) Benzene-d6                | 5.043  | 84   | 2173588  | 104.846 | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.066  | 67   | 649041   | 102.288 | ug/L  | 0.00     |
| 41) Toluene-d8                | 7.313  | 98   | 1995187  | 106.476 | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.616  | 79   | 305777   | 109.092 | ug/L  | 0.00     |
| 47) 2-Hexanone-d5             | 8.088  | 63   | 635134   | 232.842 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214 | 84   | 957590   | 100.092 | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152  | 734123   | 96.782  | ug/L  | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.127  | 85   | 660159   | 107.220 | ug/L  | 100      |
| 3) Chloromethane              | 1.236  | 50   | 589654   | 104.735 | ug/L  | 99       |
| 5) Vinyl chloride             | 1.304  | 62   | 632609   | 105.931 | ug/L  | 100      |
| 6) Bromomethane               | 1.516  | 94   | 386480   | 105.379 | ug/L  | 99       |
| 8) Chloroethane               | 1.577  | 64   | 367863   | 104.914 | ug/L  | 99       |
| 9) Trichlorofluoromethane     | 1.744  | 101  | 820887   | 107.145 | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.108  | 101  | 466587   | 105.496 | ug/L  | 99       |
| 12) 1,1-Dichloroethene        | 2.111  | 96   | 456384   | 105.612 | ug/L  | 94       |
| 13) Acetone                   | 2.179  | 43   | 459642   | 207.370 | ug/L  | 97       |
| 14) Carbon disulfide          | 2.285  | 76   | 1438790  | 104.947 | ug/L  | 100      |
| 15) Methyl Acetate            | 2.429  | 43   | 448188   | 113.141 | ug/L  | 95       |
| 16) Methylene chloride        | 2.500  | 84   | 561052   | 101.857 | ug/L  | 98       |
| 17) trans-1,2-Dichloroethene  | 2.751  | 96   | 502382   | 106.188 | ug/L  | 99       |
| 18) Methyl tert-butyl Ether   | 2.767  | 73   | 1461126  | 112.439 | ug/L  | 99       |
| 19) 1,1-Dichloroethane        | 3.182  | 63   | 886799   | 107.340 | ug/L  | 99       |
| 20) cis-1,2-Dichloroethene    | 3.902  | 96   | 547863   | 111.983 | ug/L  | 99       |
| 22) 2-Butanone                | 3.966  | 43   | 589402   | 194.763 | ug/L  | 90       |
| 23) Bromochloromethane        | 4.240  | 128  | 295141   | 111.988 | ug/L  | 98       |
| 25) Chloroform                | 4.368  | 83   | 920690   | 105.702 | ug/L  | 99       |
| 27) 1,2-Dichloroethane        | 5.124  | 62   | 662705   | 110.567 | ug/L  | 99       |
| 29) Cyclohexane               | 4.670  | 56   | 757659   | 119.449 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 4.603  | 97   | 814434   | 107.484 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.821  | 117  | 711085   | 107.800 | ug/L  | 99       |
| 33) Benzene                   | 5.092  | 78   | 2104297  | 110.605 | ug/L  | 100      |
| 34) Trichloroethene           | 5.908  | 95   | 516044   | 105.387 | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.127  | 83   | 878282   | 120.228 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.169  | 63   | 532269   | 111.784 | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.503  | 83   | 686820   | 108.597 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.024  | 75   | 831906   | 121.788 | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.223  | 43   | 1412022  | 234.455 | ug/L  | 98       |
| 42) Toluene                   | 7.384  | 91   | 2210318  | 112.680 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.648  | 75   | 784677   | 118.157 | ug/L  | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV072822\  
 Data File : VV027043.D  
 Acq On : 28 Jul 2022 17:06  
 Operator : SY/MD  
 Sample : VSTD10040  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD100240

Quant Time: Jul 29 01:27:48 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM072822WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jul 29 01:24:47 2022  
 Response via : Initial Calibration

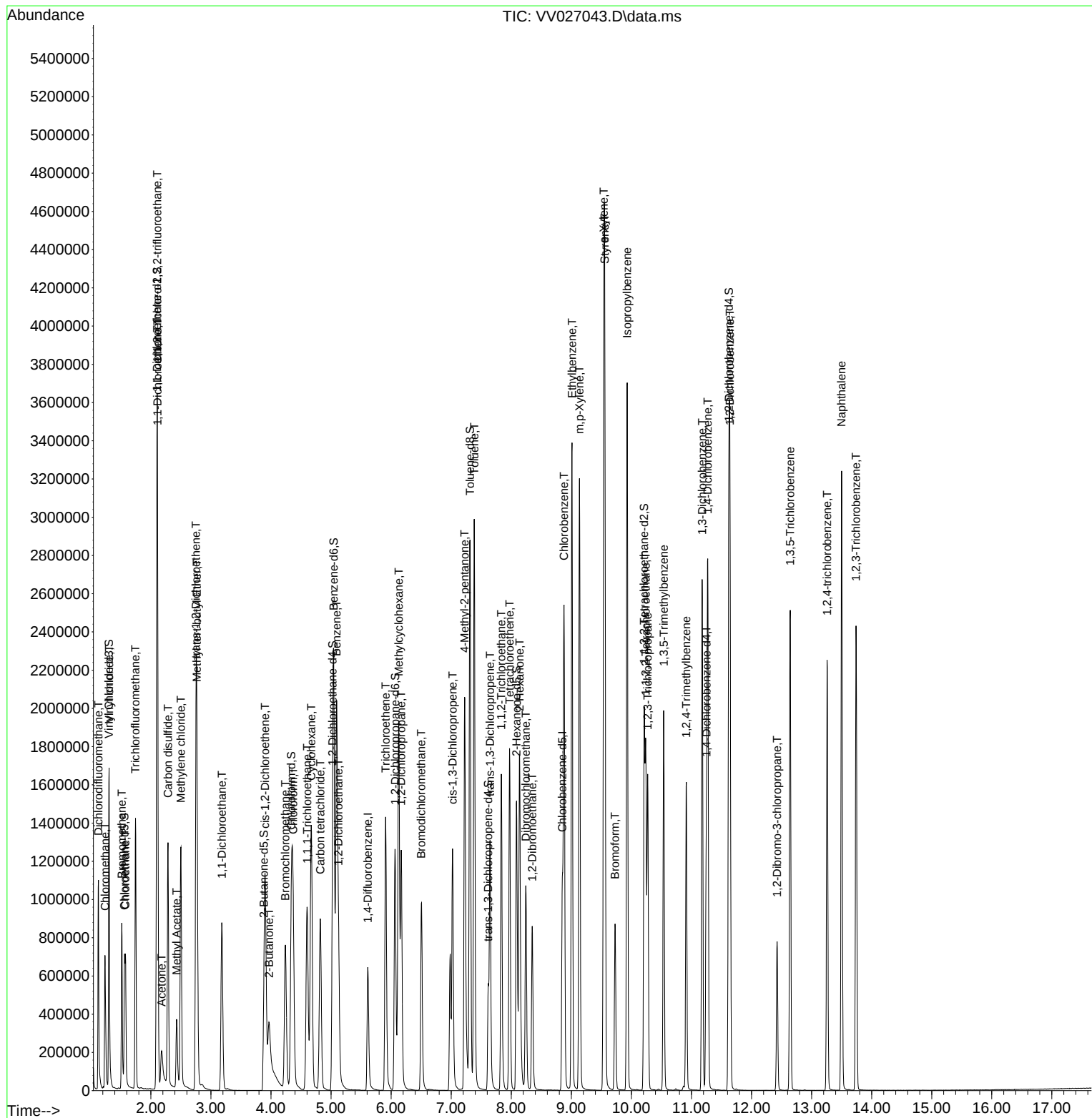
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 45) 1,1,2-Trichloroethane     | 7.834  | 97   | 542034   | 106.326 | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.972  | 164  | 405359   | 105.837 | ug/L  | 100      |
| 48) 2-Hexanone                | 8.140  | 43   | 1107835  | 233.420 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.243  | 129  | 574809   | 109.639 | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.349  | 107  | 577060   | 107.949 | ug/L  | 100      |
| 51) Chlorobenzene             | 8.879  | 112  | 1424370  | 107.670 | ug/L  | 100      |
| 52) Ethylbenzene              | 9.011  | 91   | 2342958  | 117.960 | ug/L  | 98       |
| 53) m,p-Xylene                | 9.136  | 106  | 929604   | 118.990 | ug/L  | 100      |
| 54) o-Xylene                  | 9.542  | 106  | 914383   | 121.536 | ug/L  | 100      |
| 55) Styrene                   | 9.558  | 104  | 1611328  | 122.374 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 881378   | 107.235 | ug/L  | 100      |
| 59) Bromoform                 | 9.728  | 173  | 400790   | 104.564 | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.931  | 105  | 2350318  | 111.617 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.271 | 75   | 691522   | 97.718  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 1044895  | 115.936 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.914 | 105  | 854138   | 118.759 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.178 | 146  | 1088522  | 106.487 | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.271 | 146  | 1111235  | 103.161 | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 1115748  | 104.517 | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.426 | 75   | 192164   | 103.571 | ug/L  | 95       |
| 69) 1,3,5-Trichlorobenzene    | 12.644 | 180  | 758313   | 109.375 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.258 | 180  | 666175   | 112.261 | ug/L  | 100      |
| 71) Naphthalene               | 13.500 | 128  | 2417175  | 117.065 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 728984   | 113.259 | ug/L  | 99       |

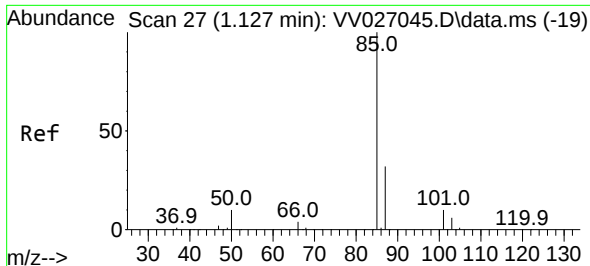
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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV072822\  
 Data File : VV072043.D  
 Acq On : 28 Jul 2022 17:06  
 Operator : SY/MD  
 Sample : VSTD10040  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD100240

Quant Time: Jul 29 01:27:48 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM072822WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jul 29 01:24:47 2022  
 Response via : Initial Calibration

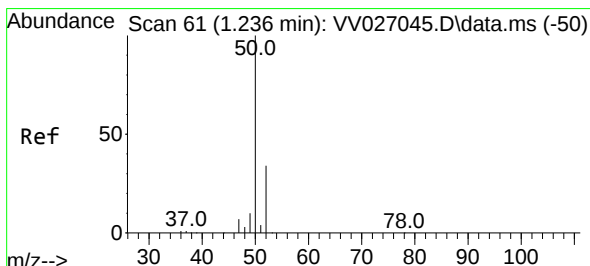
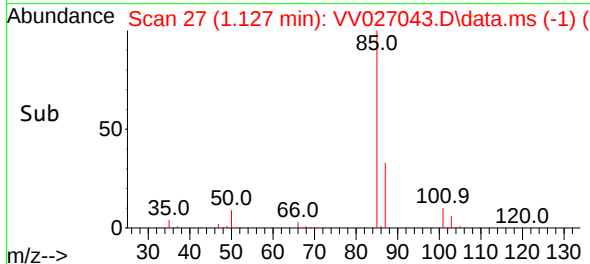
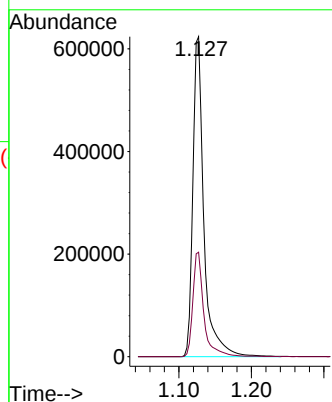
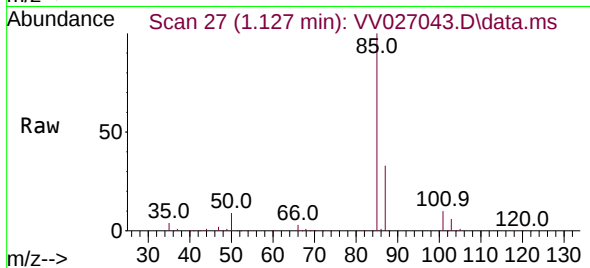




#2  
 Dichlorodifluoromethane  
 Concen: 107.220 ug/L  
 RT: 1.127 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VV027043.D  
 Acq: 28 Jul 2022 17:06

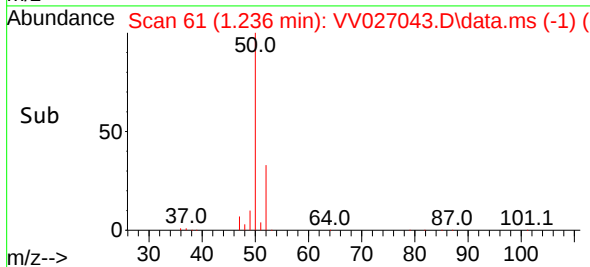
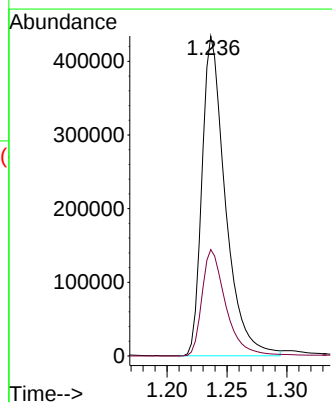
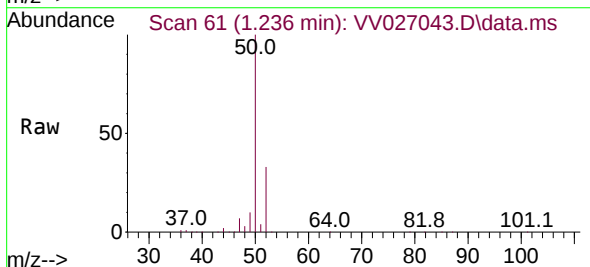
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD100240

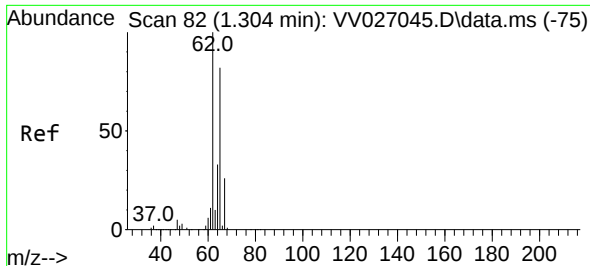
Tgt Ion: 85 Resp: 660159  
 Ion Ratio Lower Upper  
 85 100  
 87 32.4 26.1 39.1



#3  
 Chloromethane  
 Concen: 104.735 ug/L  
 RT: 1.236 min Scan# 61  
 Delta R.T. 0.000 min  
 Lab File: VV027043.D  
 Acq: 28 Jul 2022 17:06

Tgt Ion: 50 Resp: 589654  
 Ion Ratio Lower Upper  
 50 100  
 52 33.2 23.5 43.7

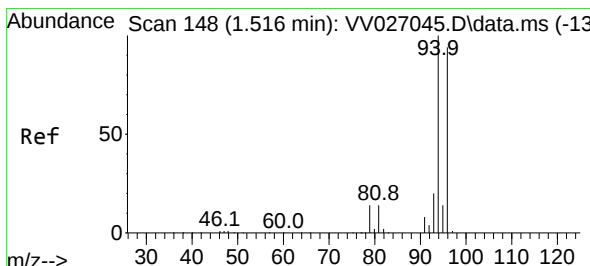
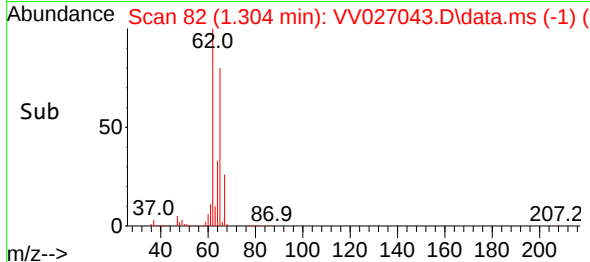
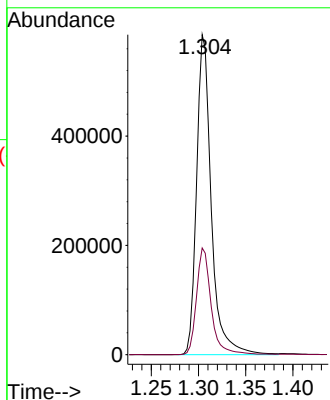
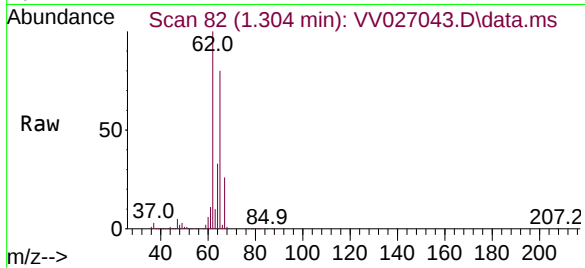




#5  
 Vinyl chloride  
 Concen: 105.931 ug/L  
 RT: 1.304 min Scan# 81  
 Delta R.T. 0.000 min  
 Lab File: VV027043.D  
 Acq: 28 Jul 2022 17:06

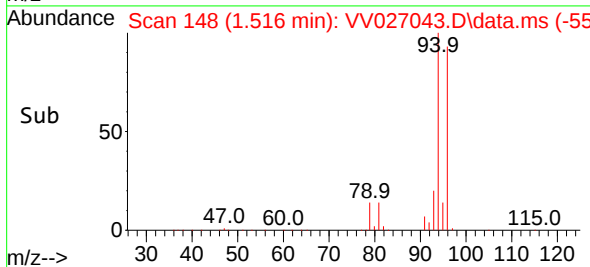
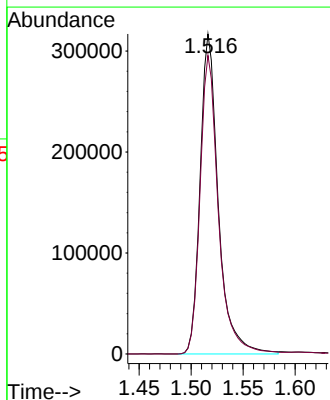
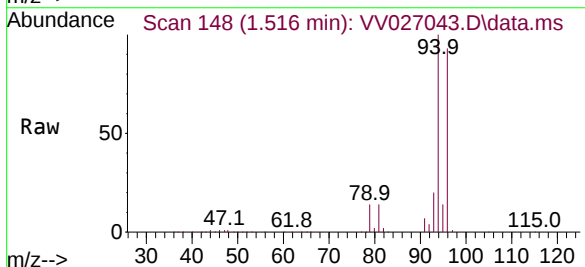
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD100240

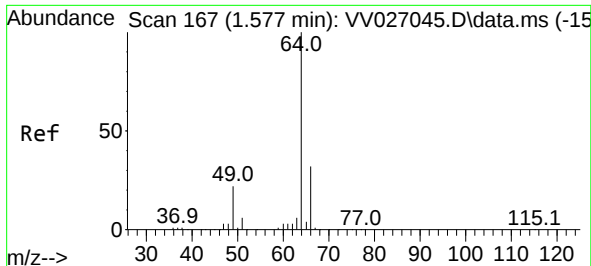
Tgt Ion: 62 Resp: 632609  
 Ion Ratio Lower Upper  
 62 100  
 64 33.3 23.2 43.2



#6  
 Bromomethane  
 Concen: 105.379 ug/L  
 RT: 1.516 min Scan# 148  
 Delta R.T. 0.000 min  
 Lab File: VV027043.D  
 Acq: 28 Jul 2022 17:06

Tgt Ion: 94 Resp: 386480  
 Ion Ratio Lower Upper  
 94 100  
 96 93.3 66.1 122.8

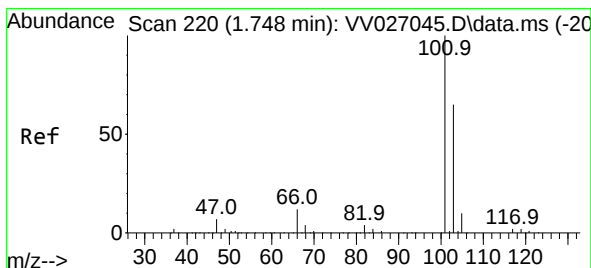
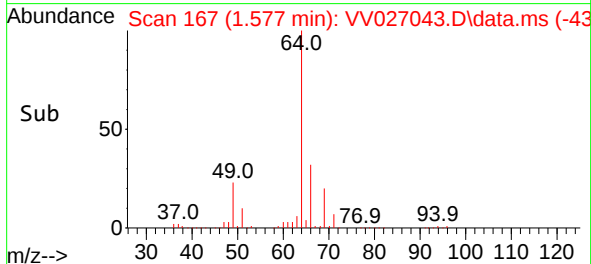
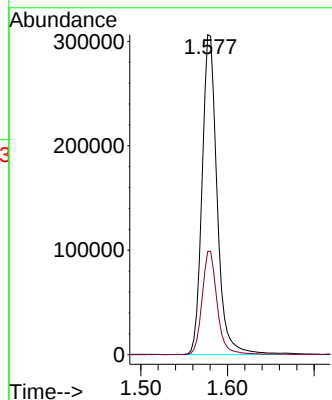
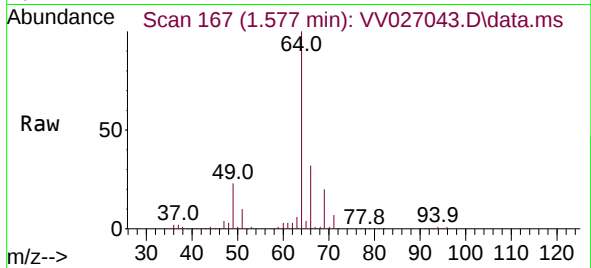




#8  
Chloroethane  
Concen: 104.914 ug/L  
RT: 1.577 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VV027043.D  
Acq: 28 Jul 2022 17:06

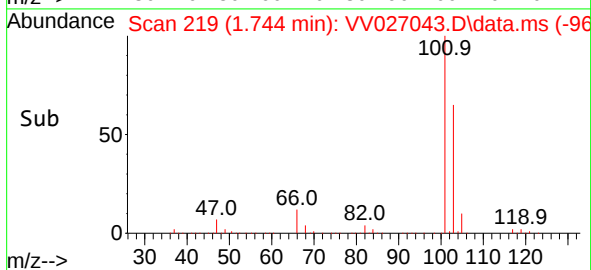
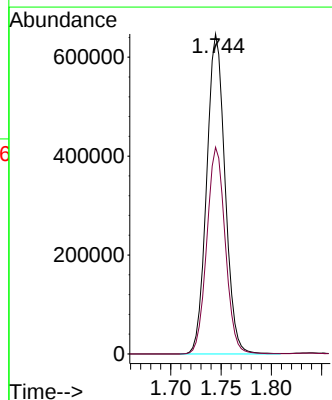
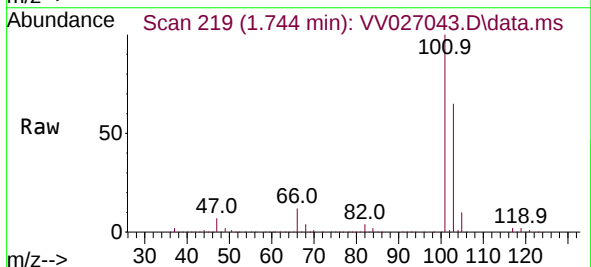
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD100240

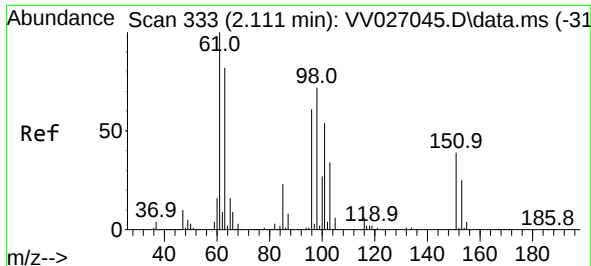
Tgt Ion: 64 Resp: 367863  
Ion Ratio Lower Upper  
64 100  
66 32.3 22.4 41.6



#9  
Trichlorofluoromethane  
Concen: 107.145 ug/L  
RT: 1.744 min Scan# 219  
Delta R.T. -0.003 min  
Lab File: VV027043.D  
Acq: 28 Jul 2022 17:06

Tgt Ion:101 Resp: 820887  
Ion Ratio Lower Upper  
101 100  
103 65.0 52.4 78.6

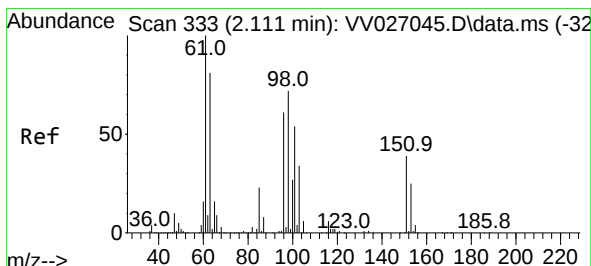
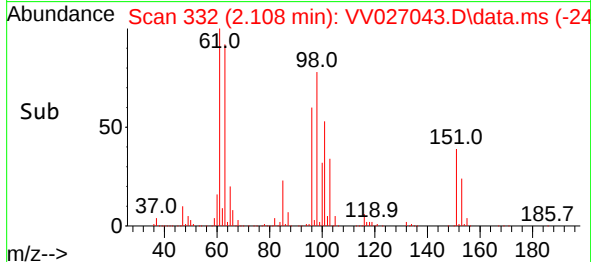
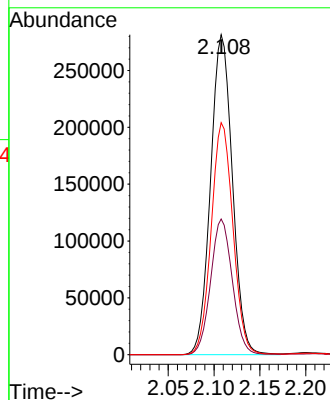
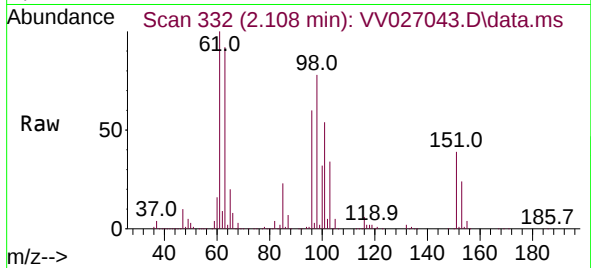




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 105.496 ug/L  
 RT: 2.108 min Scan# 311  
 Delta R.T. -0.003 min  
 Lab File: VV027043.D  
 Acq: 28 Jul 2022 17:06

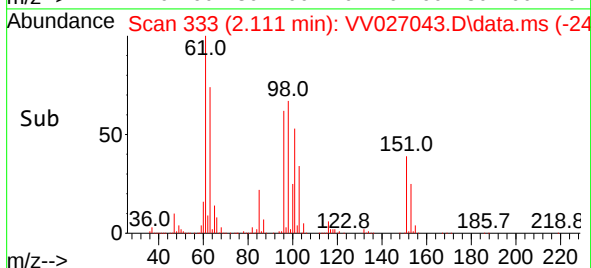
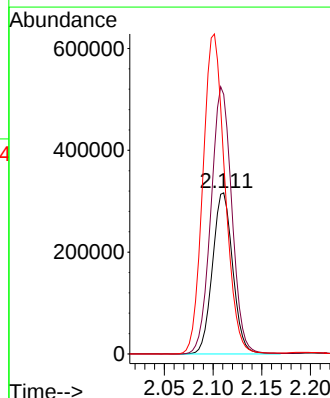
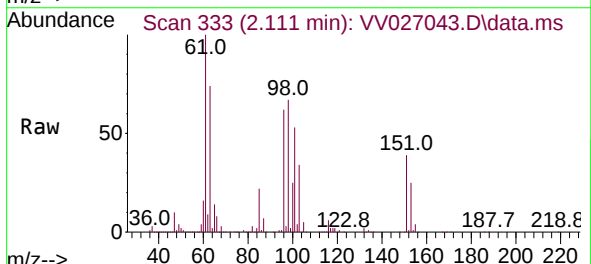
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD100240

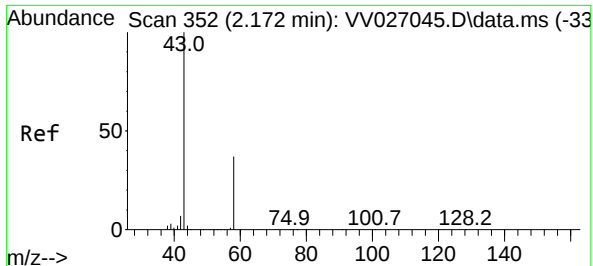
Tgt Ion:101 Resp: 466587  
 Ion Ratio Lower Upper  
 101 100  
 85 42.2 34.1 51.1  
 151 72.0 57.8 86.8



#12  
 1,1-Dichloroethene  
 Concen: 105.612 ug/L  
 RT: 2.111 min Scan# 333  
 Delta R.T. 0.000 min  
 Lab File: VV027043.D  
 Acq: 28 Jul 2022 17:06

Tgt Ion: 96 Resp: 456384  
 Ion Ratio Lower Upper  
 96 100  
 61 161.1 114.3 212.3  
 63 119.3 93.4 173.4

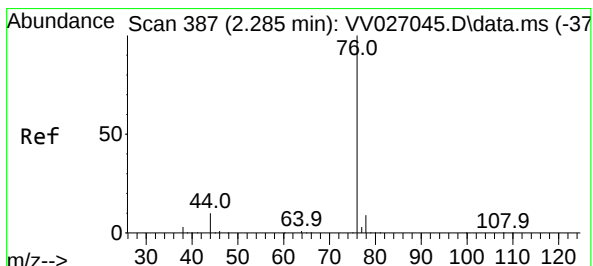
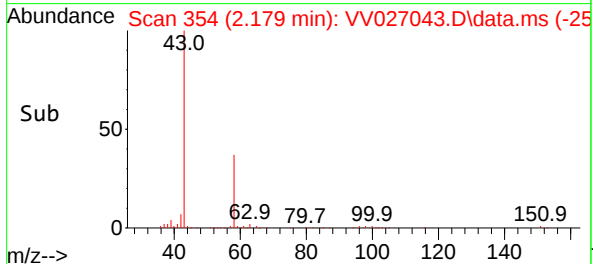
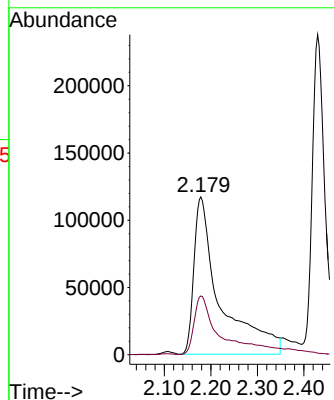
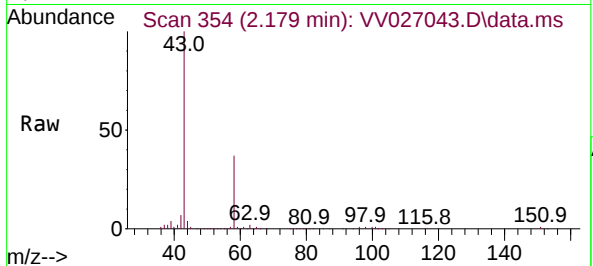




#13  
Acetone  
Concen: 207.370 ug/L  
RT: 2.179 min Scan# 352  
Delta R.T. 0.006 min  
Lab File: VV027043.D  
Acq: 28 Jul 2022 17:06

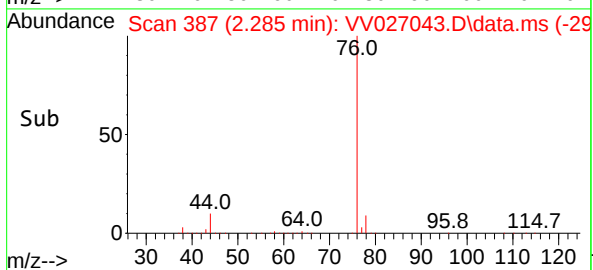
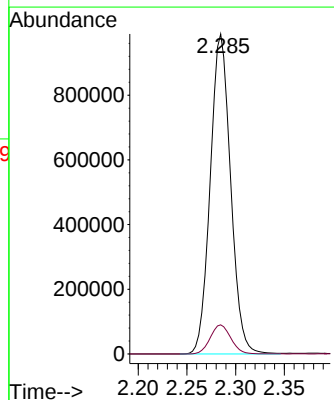
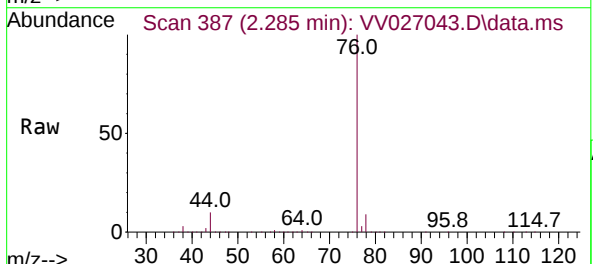
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD100240

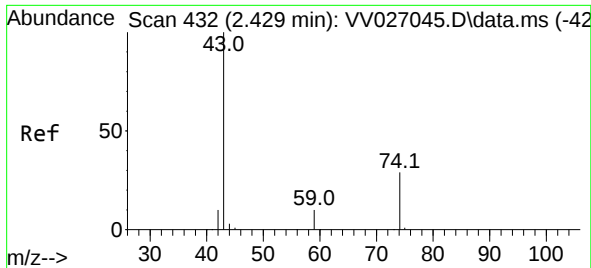
Tgt Ion: 43 Resp: 459642  
Ion Ratio Lower Upper  
43 100  
58 26.3 0.0 49.6



#14  
Carbon disulfide  
Concen: 104.947 ug/L  
RT: 2.285 min Scan# 387  
Delta R.T. 0.000 min  
Lab File: VV027043.D  
Acq: 28 Jul 2022 17:06

Tgt Ion: 76 Resp: 1438790  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.3 10.9

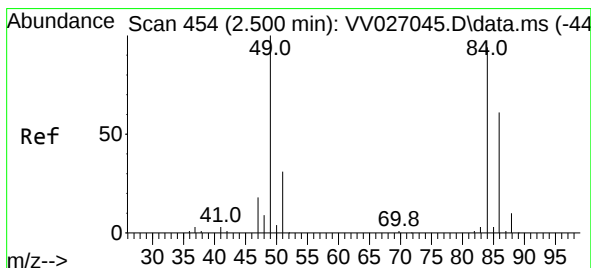
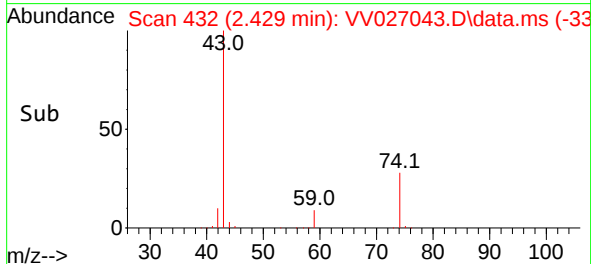
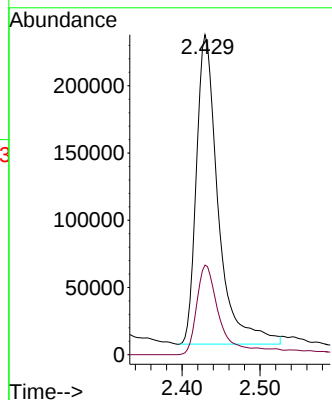
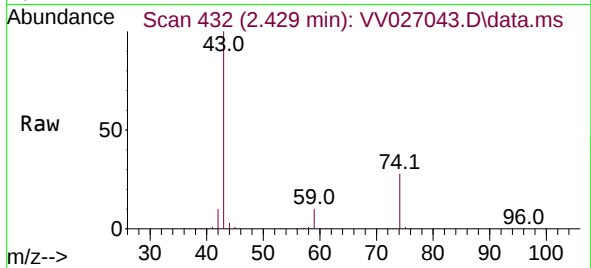




#15  
Methyl Acetate  
Concen: 113.141 ug/L  
RT: 2.429 min Scan# 432  
Delta R.T. 0.000 min  
Lab File: VV027043.D  
Acq: 28 Jul 2022 17:06

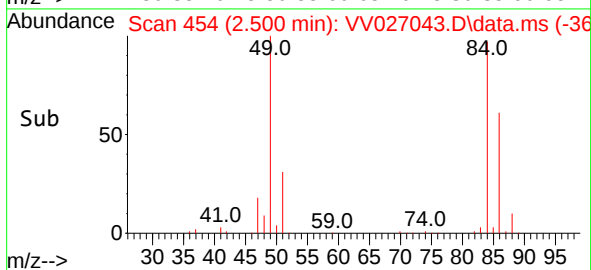
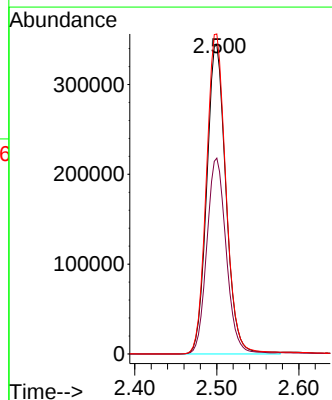
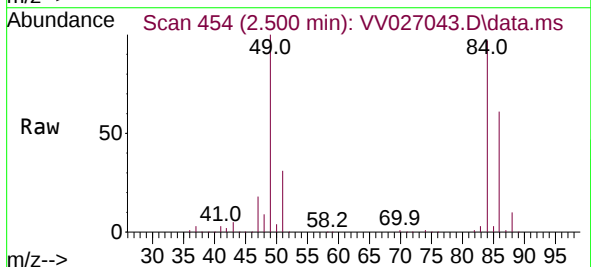
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD100240

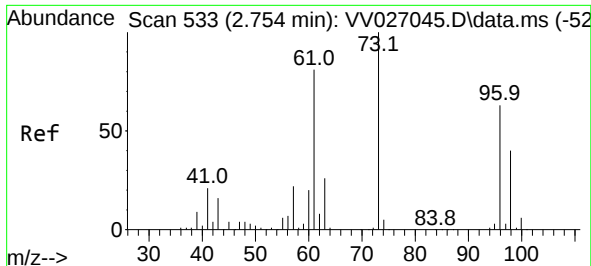
Tgt Ion: 43 Resp: 448188  
Ion Ratio Lower Upper  
43 100  
74 29.2 25.5 38.3



#16  
Methylene chloride  
Concen: 101.857 ug/L  
RT: 2.500 min Scan# 454  
Delta R.T. 0.000 min  
Lab File: VV027043.D  
Acq: 28 Jul 2022 17:06

Tgt Ion: 84 Resp: 561052  
Ion Ratio Lower Upper  
84 100  
86 63.3 45.0 83.6  
49 103.5 74.1 137.7

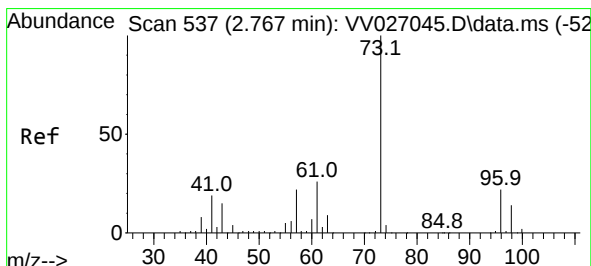
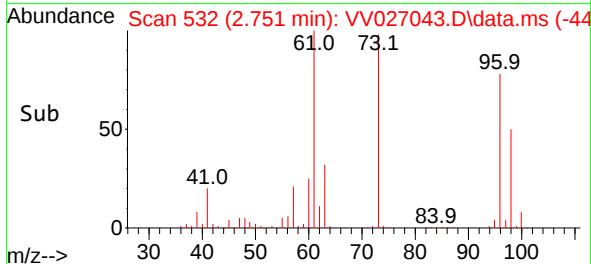
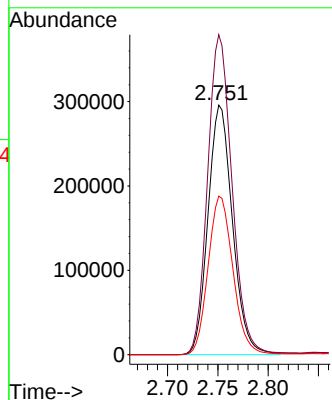
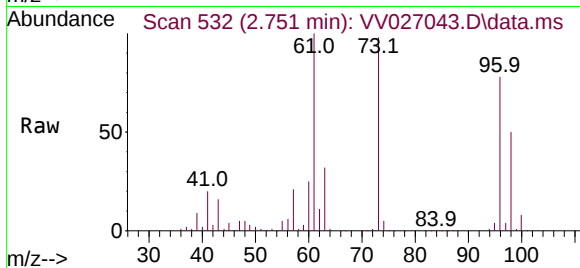




#17  
trans-1,2-Dichloroethene  
Concen: 106.188 ug/L  
RT: 2.751 min Scan# 51  
Delta R.T. -0.003 min  
Lab File: VV027043.D  
Acq: 28 Jul 2022 17:06

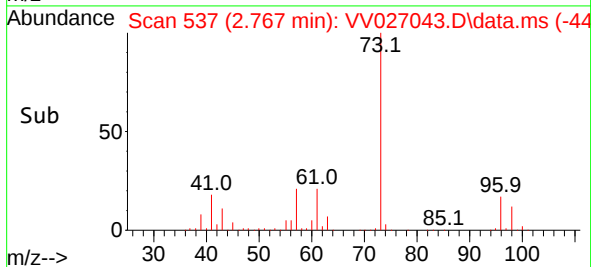
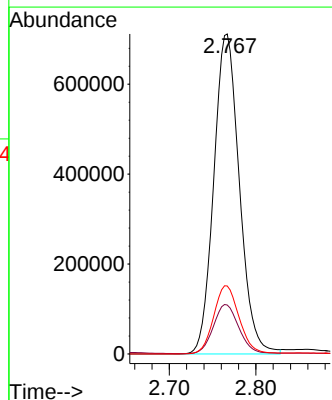
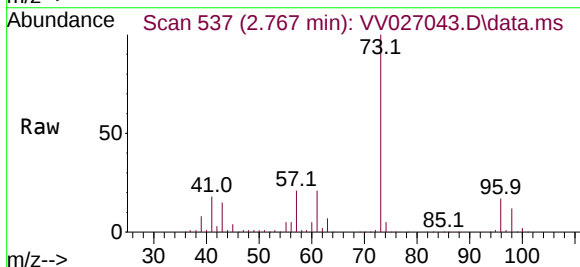
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD100240

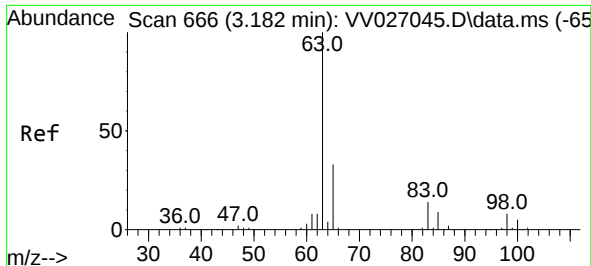
Tgt Ion: 96 Resp: 502382  
Ion Ratio Lower Upper  
96 100  
61 128.2 89.2 165.6  
98 63.5 44.6 82.8



#18  
Methyl tert-butyl Ether  
Concen: 112.439 ug/L  
RT: 2.767 min Scan# 537  
Delta R.T. 0.000 min  
Lab File: VV027043.D  
Acq: 28 Jul 2022 17:06

Tgt Ion: 73 Resp: 1461126  
Ion Ratio Lower Upper  
73 100  
43 15.3 12.6 18.8  
57 21.4 17.3 25.9





#19

1,1-Dichloroethane

Concen: 107.340 ug/L

RT: 3.182 min Scan# 6

Delta R.T. 0.000 min

Lab File: VV027043.D

Acq: 28 Jul 2022 17:06

Instrument :

MSVOA\_V

ClientSampleId :

VSTD100240

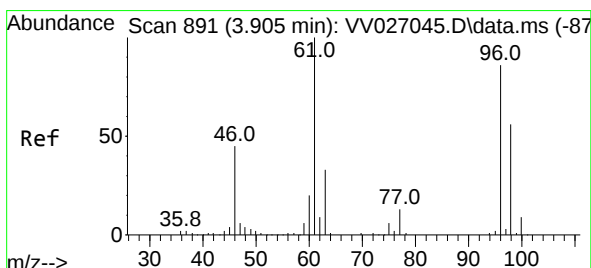
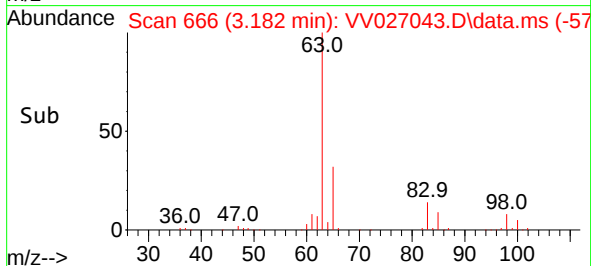
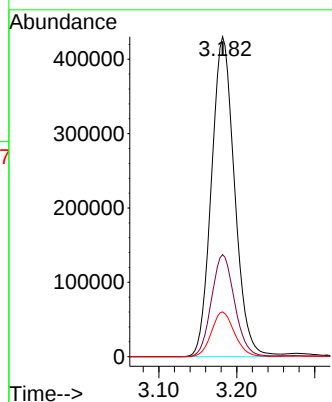
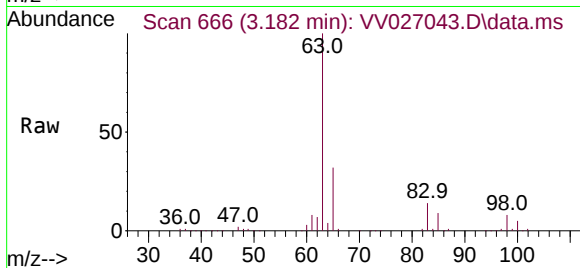
Tgt Ion: 63 Resp: 886799

Ion Ratio Lower Upper

63 100

65 31.9 22.7 42.3

83 14.0 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 111.983 ug/L

RT: 3.902 min Scan# 890

Delta R.T. -0.003 min

Lab File: VV027043.D

Acq: 28 Jul 2022 17:06

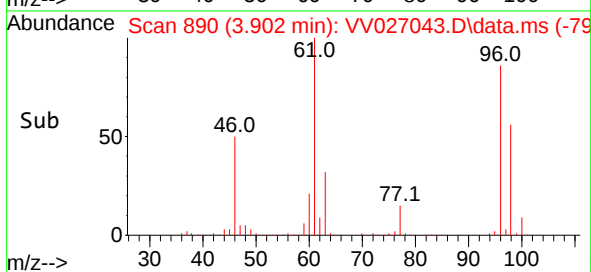
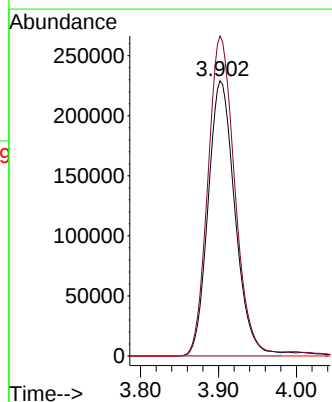
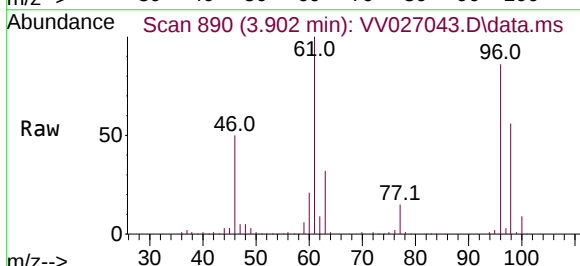
Tgt Ion: 96 Resp: 547863

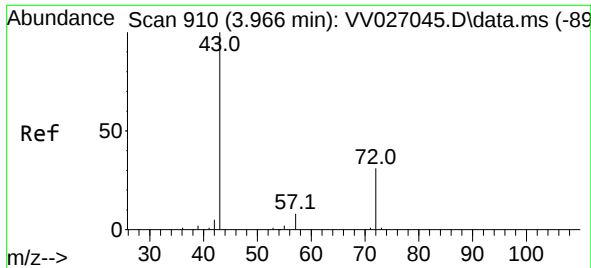
Ion Ratio Lower Upper

96 100

61 116.3 81.8 151.8

68 0.0 0.0 0.0

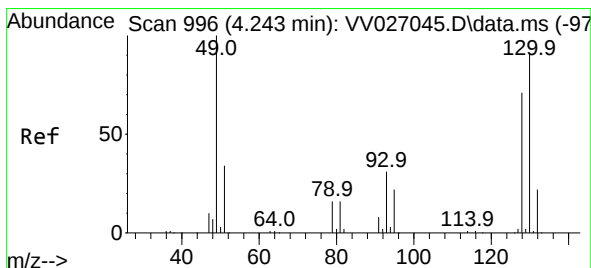
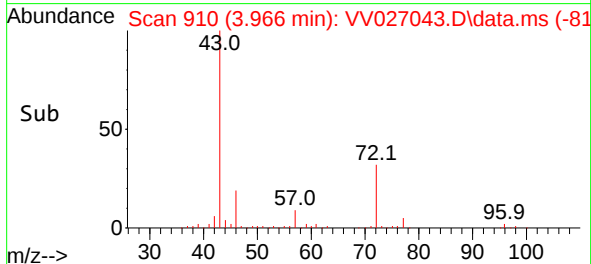
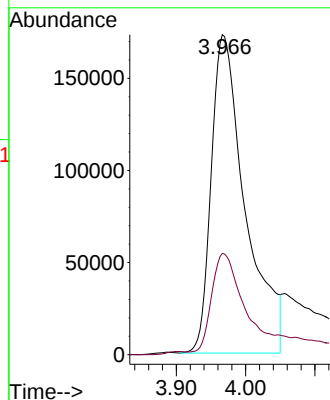
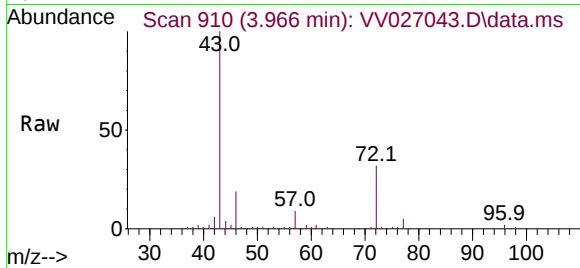




#22  
2-Butanone  
Concen: 194.763 ug/L  
RT: 3.966 min Scan# 910  
Delta R.T. 0.000 min  
Lab File: VV027043.D  
Acq: 28 Jul 2022 17:06

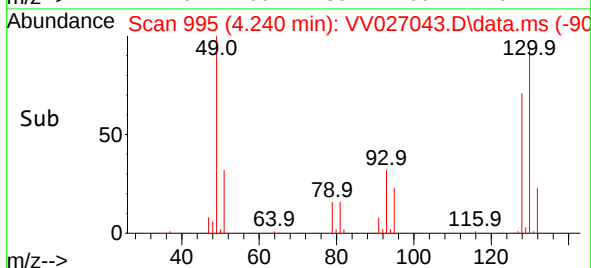
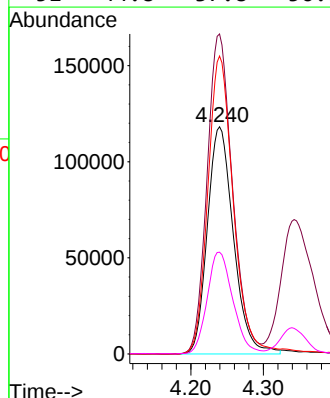
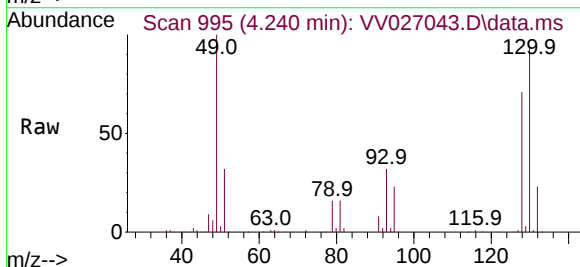
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD100240

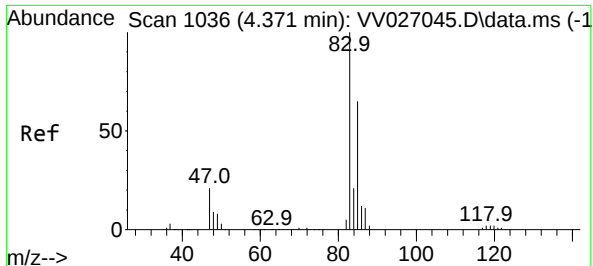
Tgt Ion: 43 Resp: 589402  
Ion Ratio Lower Upper  
43 100  
72 28.9 11.9 35.7



#23  
Bromochloromethane  
Concen: 111.988 ug/L  
RT: 4.240 min Scan# 995  
Delta R.T. -0.003 min  
Lab File: VV027043.D  
Acq: 28 Jul 2022 17:06

Tgt Ion: 128 Resp: 295141  
Ion Ratio Lower Upper  
128 100  
49 140.9 98.7 183.3  
130 131.1 89.5 166.1  
51 44.8 37.8 56.8





#25

Chloroform

Concen: 105.702 ug/L

RT: 4.368 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV027043.D

Acq: 28 Jul 2022 17:06

Instrument :

MSVOA\_V

ClientSampleId :

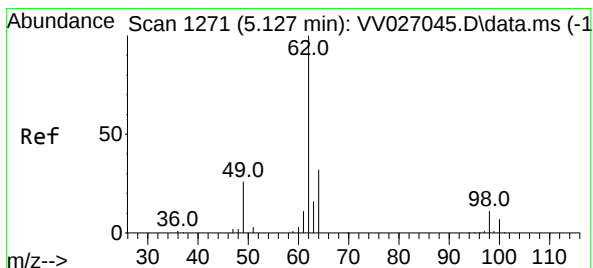
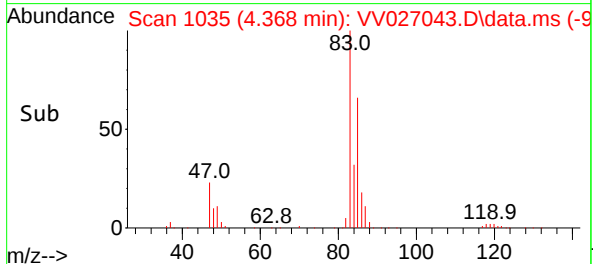
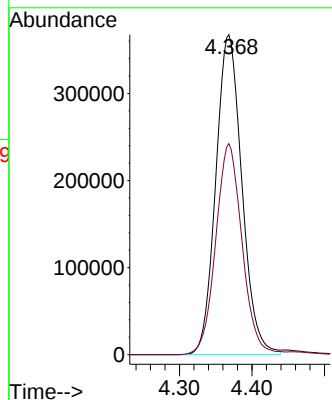
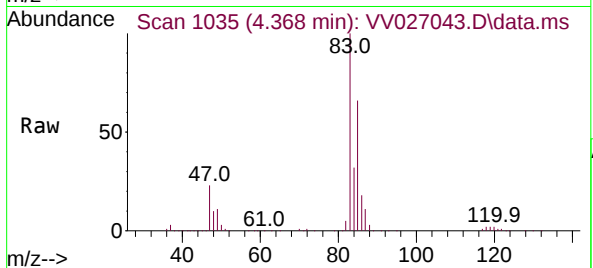
VSTD100240

Tgt Ion: 83 Resp: 920690

Ion Ratio Lower Upper

83 100

85 66.0 45.4 84.4



#27

1,2-Dichloroethane

Concen: 110.567 ug/L

RT: 5.124 min Scan# 1270

Delta R.T. -0.003 min

Lab File: VV027043.D

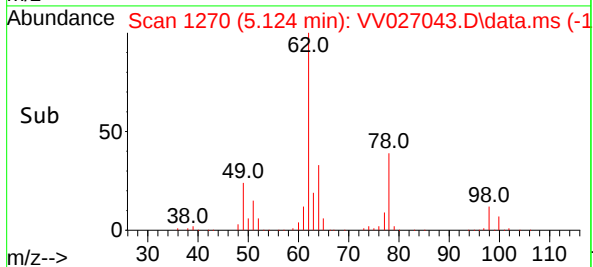
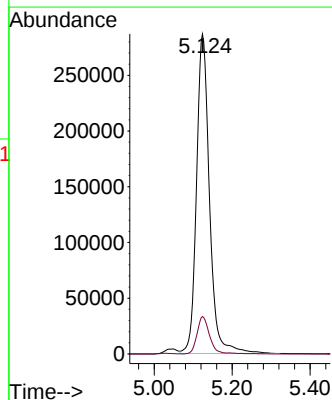
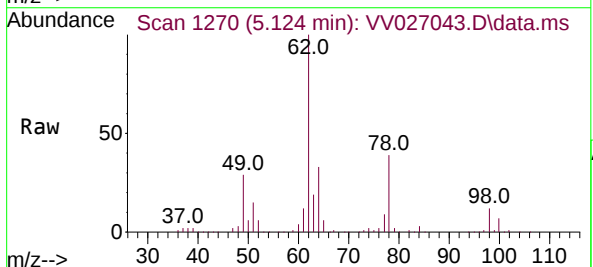
Acq: 28 Jul 2022 17:06

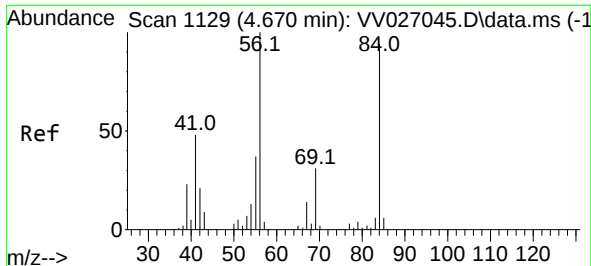
Tgt Ion: 62 Resp: 662705

Ion Ratio Lower Upper

62 100

98 11.7 9.0 13.6

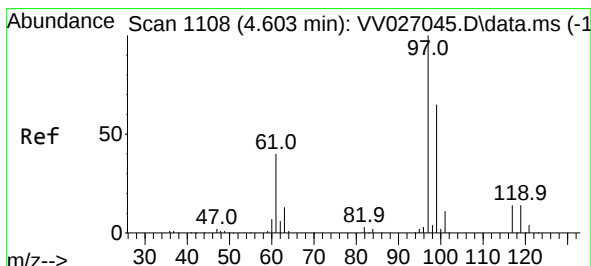
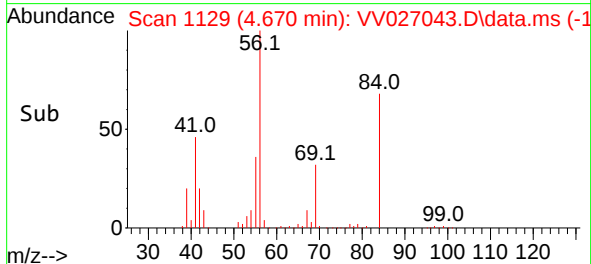
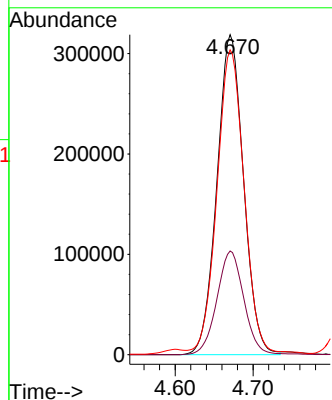
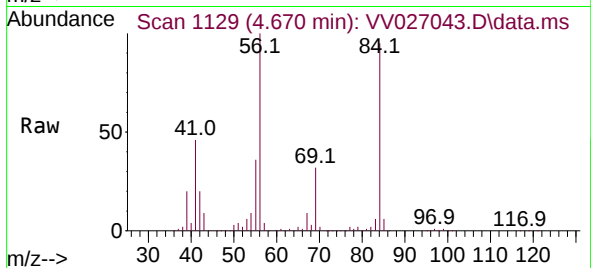




#29  
Cyclohexane  
Concen: 119.449 ug/L  
RT: 4.670 min Scan# 1129  
Delta R.T. 0.000 min  
Lab File: VV027043.D  
Acq: 28 Jul 2022 17:06

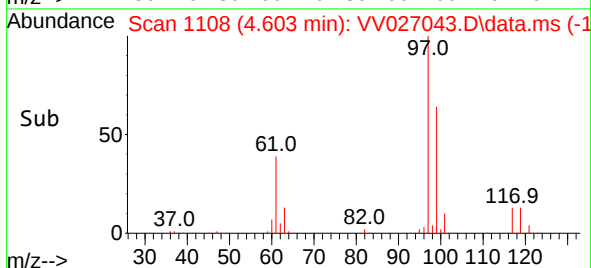
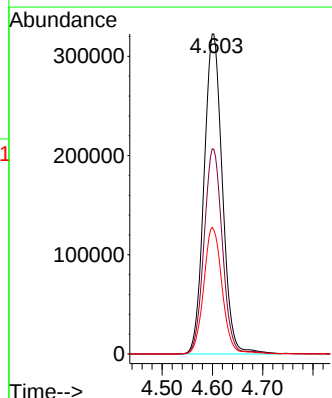
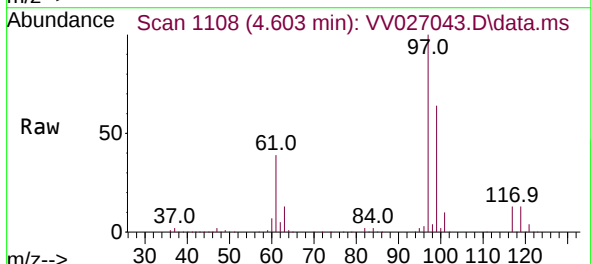
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD100240

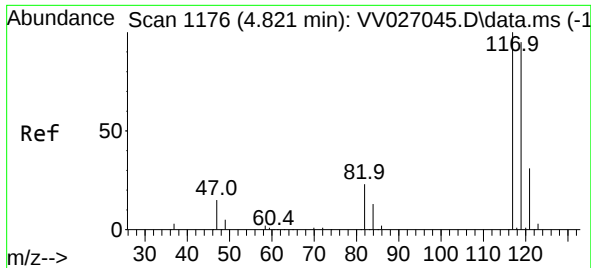
Tgt Ion: 56 Resp: 757659  
Ion Ratio Lower Upper  
56 100  
69 32.7 25.9 38.9  
84 95.1 75.3 112.9



#30  
1,1,1-Trichloroethane  
Concen: 107.484 ug/L  
RT: 4.603 min Scan# 1108  
Delta R.T. 0.000 min  
Lab File: VV027043.D  
Acq: 28 Jul 2022 17:06

Tgt Ion: 97 Resp: 814434  
Ion Ratio Lower Upper  
97 100  
99 63.8 51.4 77.2  
61 39.2 32.1 48.1

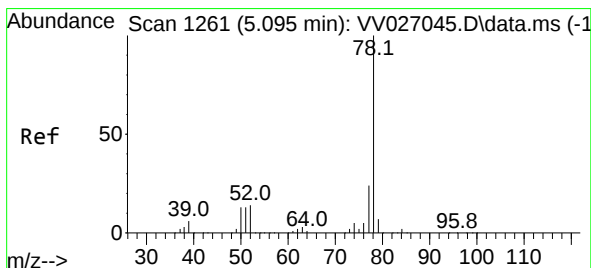
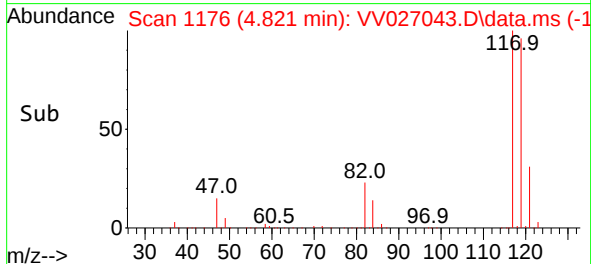
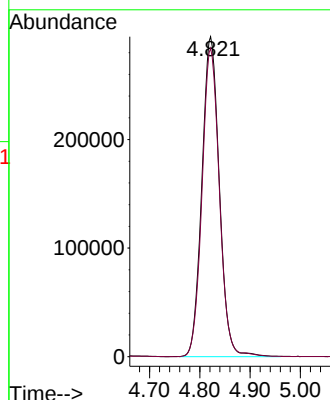
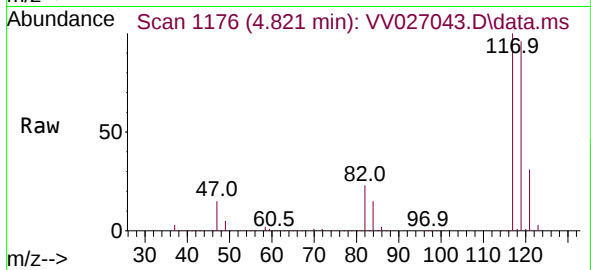




#31  
Carbon tetrachloride  
Concen: 107.800 ug/L  
RT: 4.821 min Scan# 1176  
Delta R.T. 0.000 min  
Lab File: VV027043.D  
Acq: 28 Jul 2022 17:06

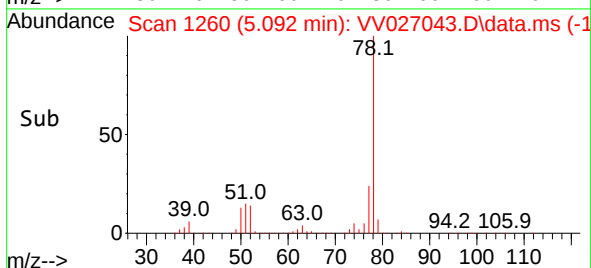
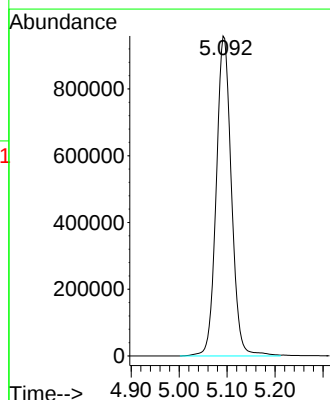
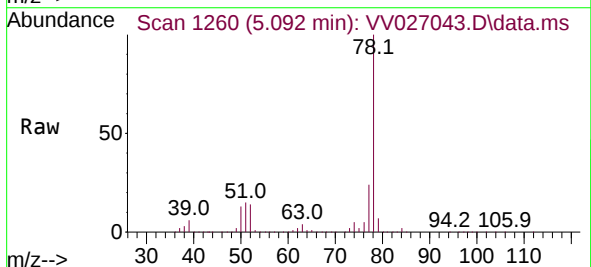
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD100240

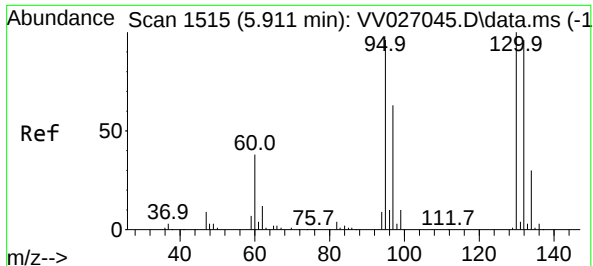
Tgt Ion:117 Resp: 711085  
Ion Ratio Lower Upper  
117 100  
119 95.1 77.0 115.6



#33  
Benzene  
Concen: 110.605 ug/L  
RT: 5.092 min Scan# 1260  
Delta R.T. -0.003 min  
Lab File: VV027043.D  
Acq: 28 Jul 2022 17:06

Tgt Ion: 78 Resp: 2104297

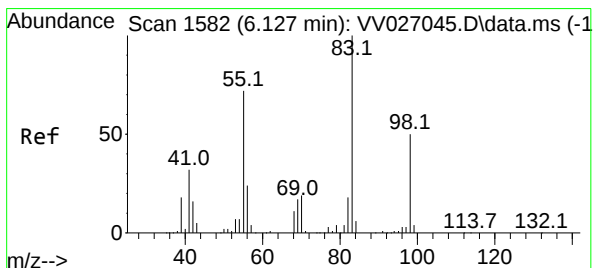
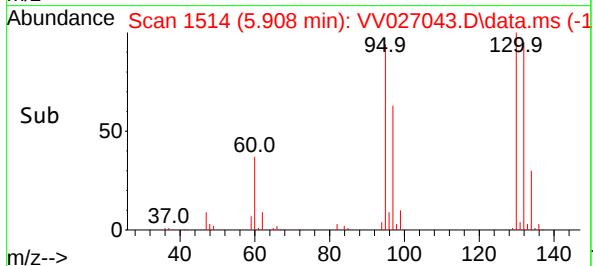
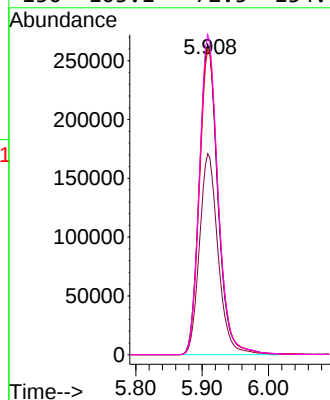
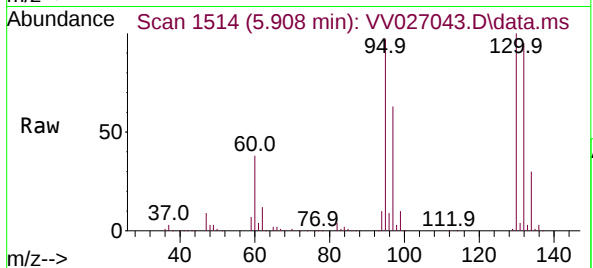




#34  
Trichloroethene  
Concen: 105.387 ug/L  
RT: 5.908 min Scan# 1514  
Delta R.T. -0.003 min  
Lab File: VV027043.D  
Acq: 28 Jul 2022 17:06

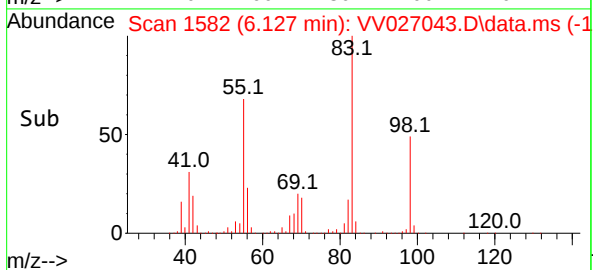
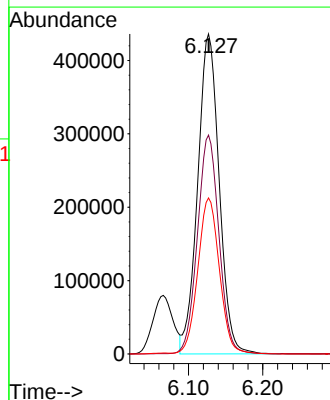
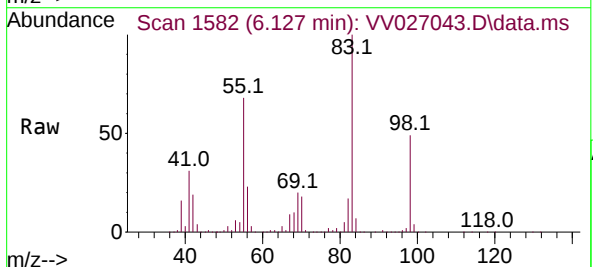
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD100240

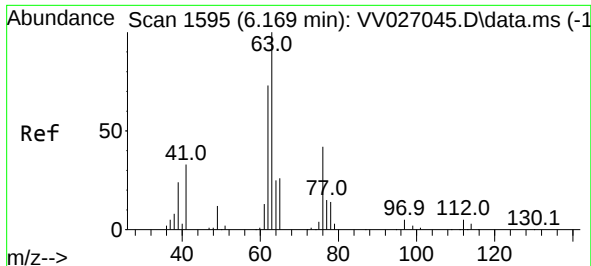
Tgt Ion: 95 Resp: 516044  
Ion Ratio Lower Upper  
95 100  
97 64.7 45.9 85.3  
132 98.4 69.8 129.6  
130 103.1 72.5 134.7



#35  
Methylcyclohexane  
Concen: 120.228 ug/L  
RT: 6.127 min Scan# 1582  
Delta R.T. 0.000 min  
Lab File: VV027043.D  
Acq: 28 Jul 2022 17:06

Tgt Ion: 83 Resp: 878282  
Ion Ratio Lower Upper  
83 100  
55 68.3 55.5 83.3  
98 49.1 39.0 58.4





#37

1,2-Dichloropropane

Concen: 111.784 ug/L

RT: 6.169 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV027043.D

Acq: 28 Jul 2022 17:06

Instrument :

MSVOA\_V

ClientSampleId :

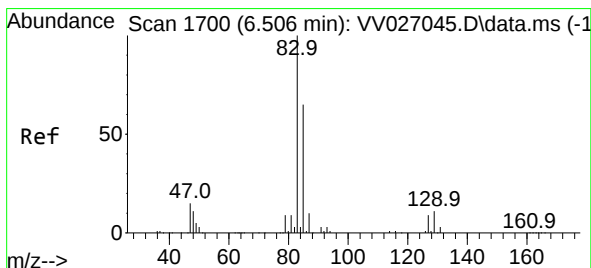
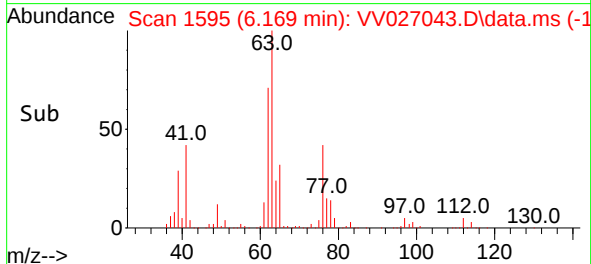
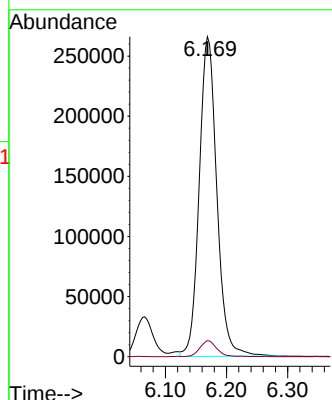
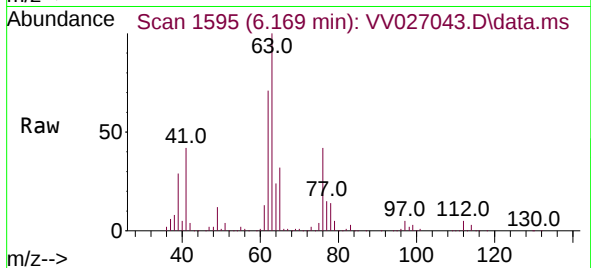
VSTD100240

Tgt Ion: 63 Resp: 532269

Ion Ratio Lower Upper

63 100

112 4.7 3.7 5.5



#38

Bromodichloromethane

Concen: 108.597 ug/L

RT: 6.503 min Scan# 1699

Delta R.T. -0.003 min

Lab File: VV027043.D

Acq: 28 Jul 2022 17:06

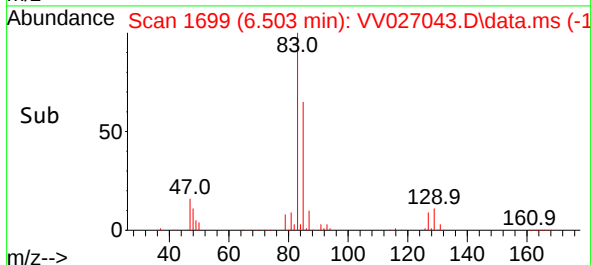
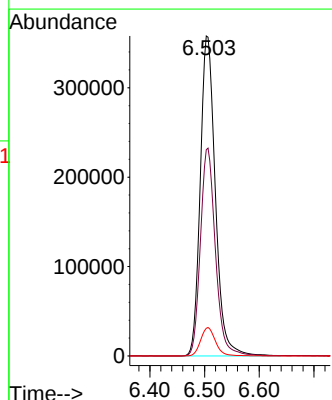
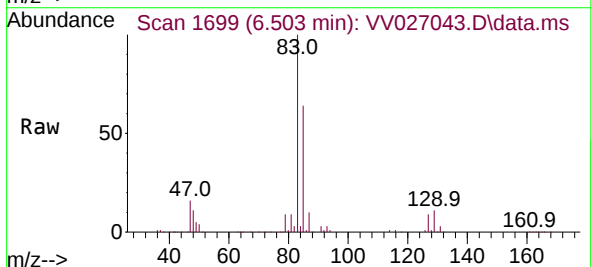
Tgt Ion: 83 Resp: 686820

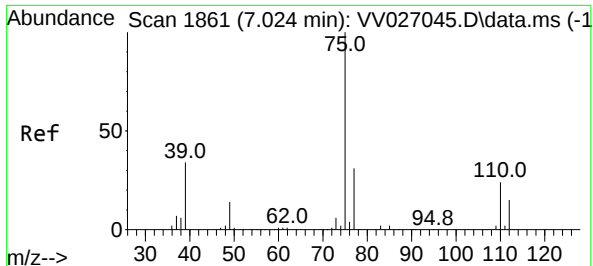
Ion Ratio Lower Upper

83 100

85 64.4 45.5 84.5

127 8.7 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 121.788 ug/L

RT: 7.024 min Scan# 1861

Delta R.T. 0.000 min

Lab File: VV027043.D

Acq: 28 Jul 2022 17:06

Instrument :

MSVOA\_V

ClientSampleId :

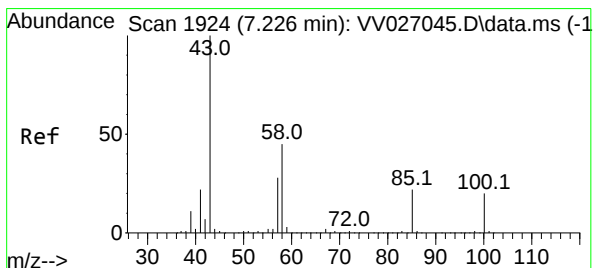
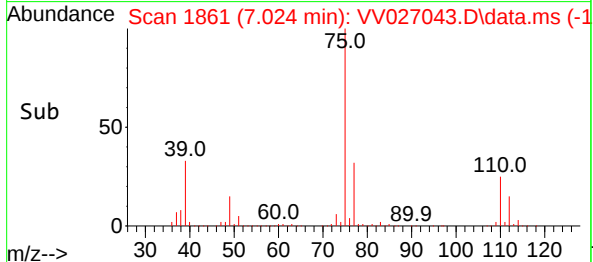
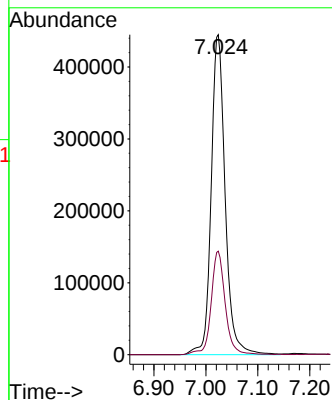
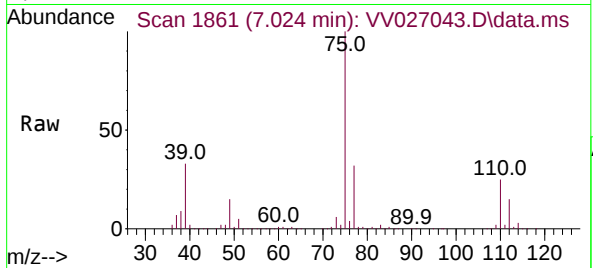
VSTD100240

Tgt Ion: 75 Resp: 831906

Ion Ratio Lower Upper

75 100

77 32.4 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 234.455 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. -0.003 min

Lab File: VV027043.D

Acq: 28 Jul 2022 17:06

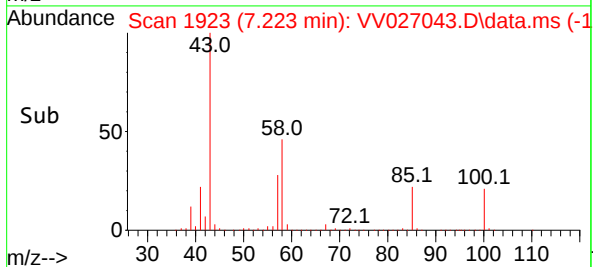
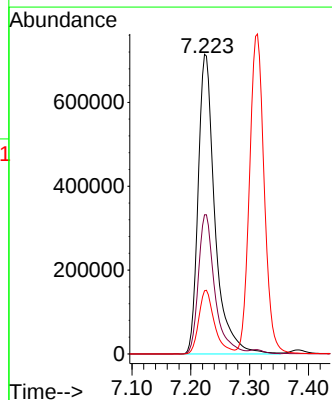
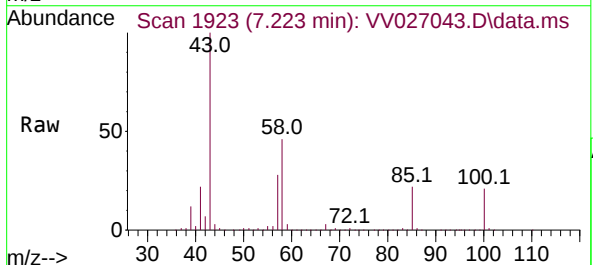
Tgt Ion: 43 Resp: 1412022

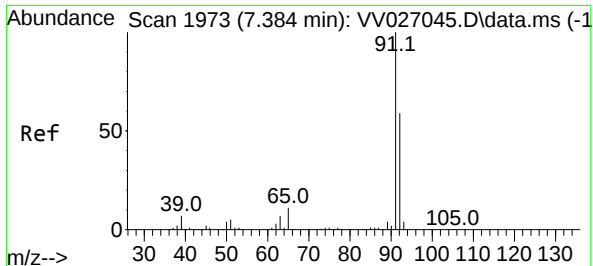
Ion Ratio Lower Upper

43 100

58 45.5 35.3 52.9

100 20.0 15.7 23.5





#42

Toluene

Concen: 112.680 ug/L

RT: 7.384 min Scan# 1973

Delta R.T. 0.000 min

Lab File: VV027043.D

Acq: 28 Jul 2022 17:06

Instrument :

MSVOA\_V

ClientSampleId :

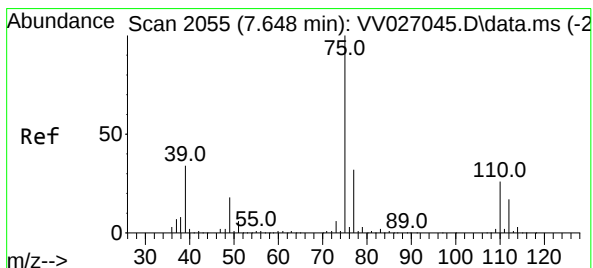
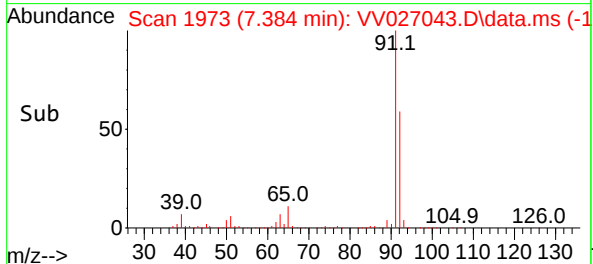
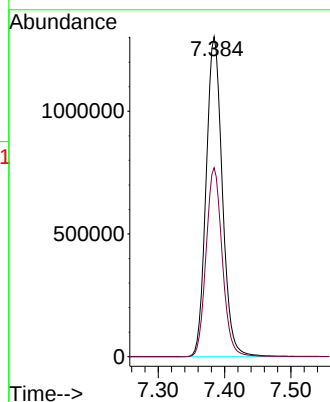
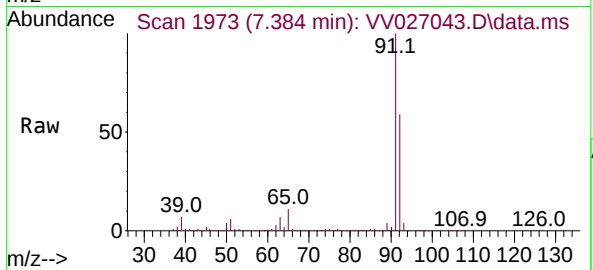
VSTD100240

Tgt Ion: 91 Resp: 2210318

Ion Ratio Lower Upper

91 100

92 59.0 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 118.157 ug/L

RT: 7.648 min Scan# 2055

Delta R.T. 0.000 min

Lab File: VV027043.D

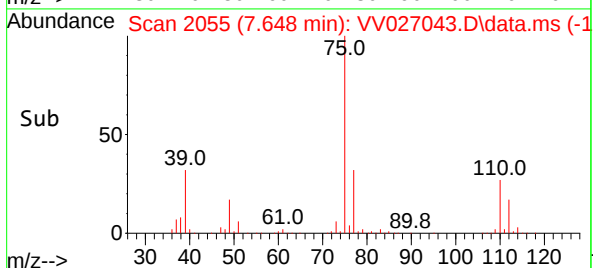
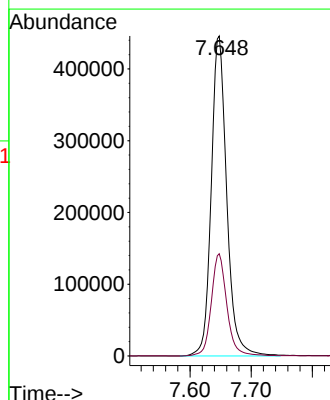
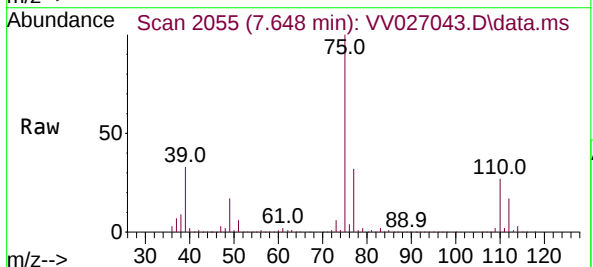
Acq: 28 Jul 2022 17:06

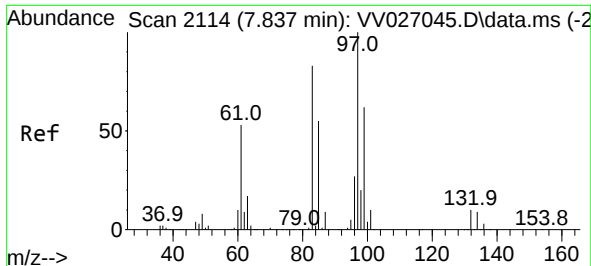
Tgt Ion: 75 Resp: 784677

Ion Ratio Lower Upper

75 100

77 31.9 22.0 41.0





#45

1,1,2-Trichloroethane

Concen: 106.326 ug/L

RT: 7.834 min Scan# 2114

Delta R.T. -0.003 min

Lab File: VV027043.D

Acq: 28 Jul 2022 17:06

Instrument :

MSVOA\_V

ClientSampleId :

VSTD100240

Tgt Ion: 97 Resp: 542034

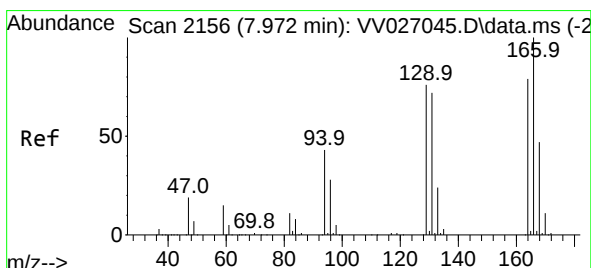
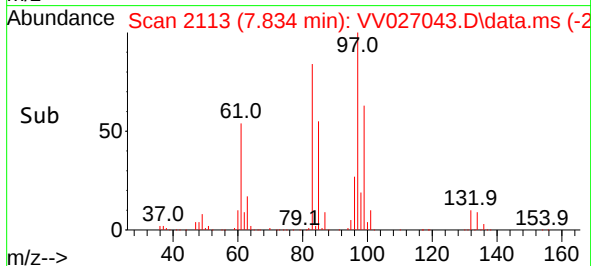
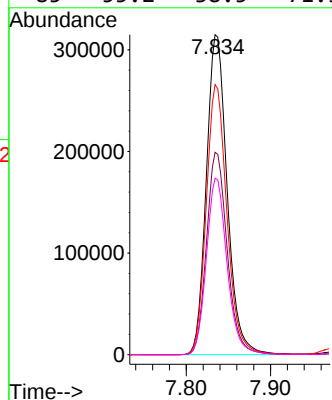
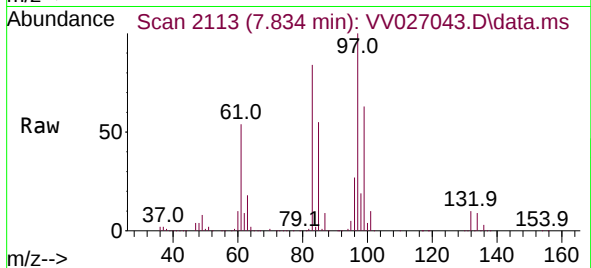
Ion Ratio Lower Upper

97 100

99 63.2 43.2 80.2

83 84.4 58.0 107.6

85 55.2 38.5 71.5



#46

Tetrachloroethene

Concen: 105.837 ug/L

RT: 7.972 min Scan# 2156

Delta R.T. 0.000 min

Lab File: VV027043.D

Acq: 28 Jul 2022 17:06

Tgt Ion:164 Resp: 405359

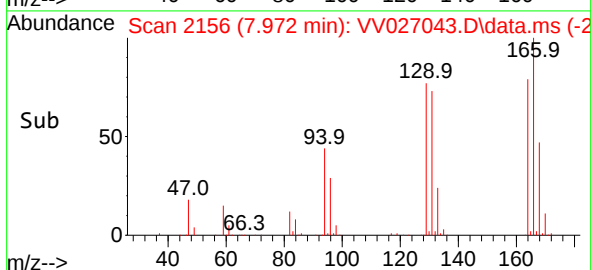
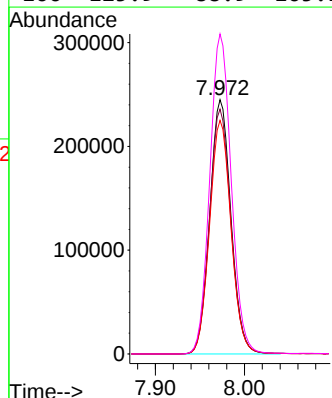
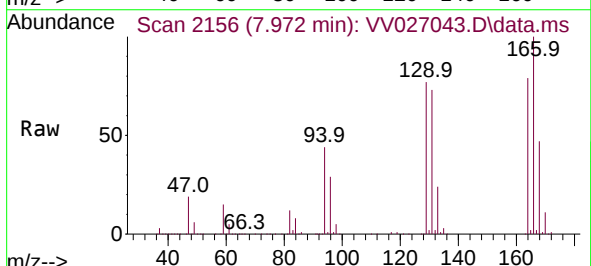
Ion Ratio Lower Upper

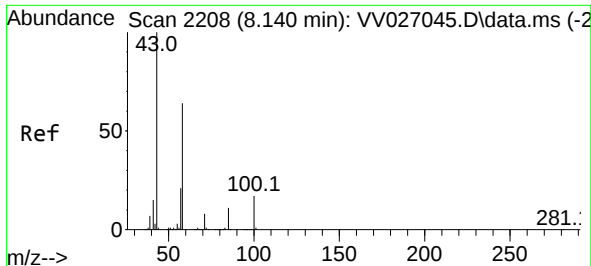
164 100

129 96.3 67.5 125.4

131 91.9 64.3 119.3

166 125.9 88.9 165.1



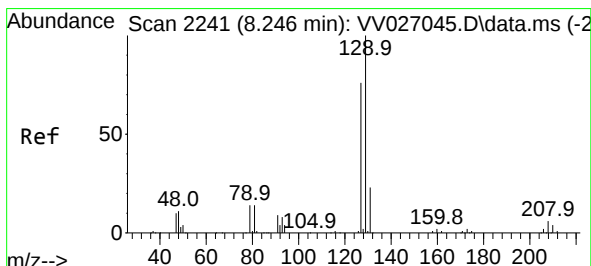
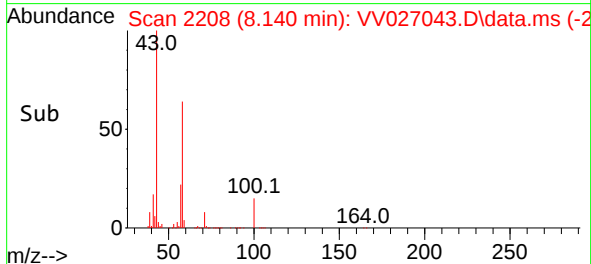
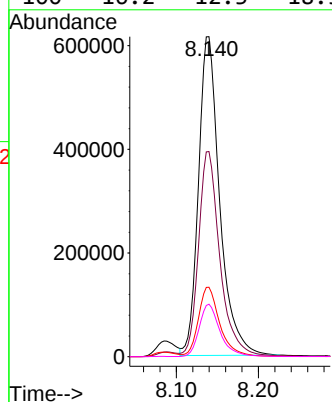
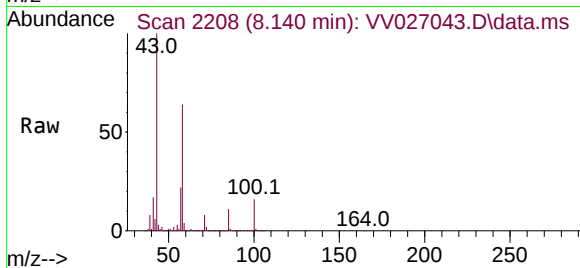


#48  
2-Hexanone  
Concen: 233.420 ug/L  
RT: 8.140 min Scan# 210  
Delta R.T. 0.000 min  
Lab File: VV027043.D  
Acq: 28 Jul 2022 17:06

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD100240

Tgt Ion: 43 Resp: 1107835

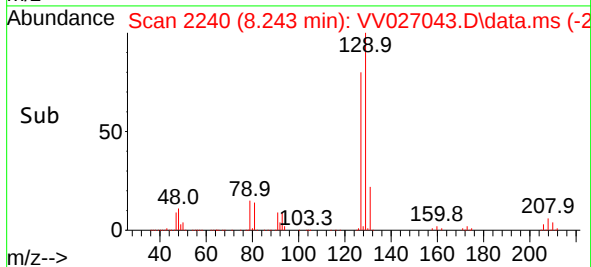
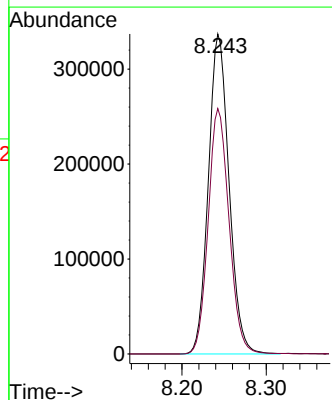
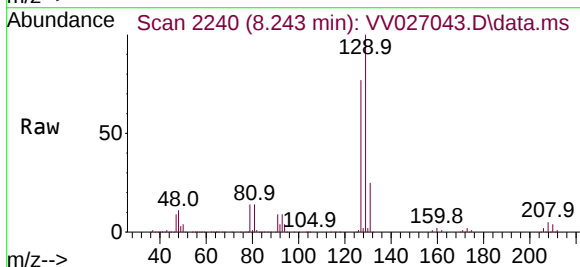
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 64.3  | 50.8  | 76.2  |
| 57  | 21.8  | 17.1  | 25.7  |
| 100 | 16.2  | 12.3  | 18.5  |

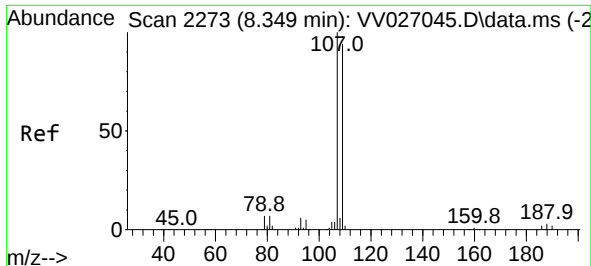


#49  
Dibromochloromethane  
Concen: 109.639 ug/L  
RT: 8.243 min Scan# 2240  
Delta R.T. -0.003 min  
Lab File: VV027043.D  
Acq: 28 Jul 2022 17:06

Tgt Ion: 129 Resp: 574809

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 76.7  | 53.3  | 98.9  |





#50

1,2-Dibromoethane

Concen: 107.949 ug/L

RT: 8.349 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV027043.D

Acq: 28 Jul 2022 17:06

Instrument :

MSVOA\_V

ClientSampleId :

VSTD100240

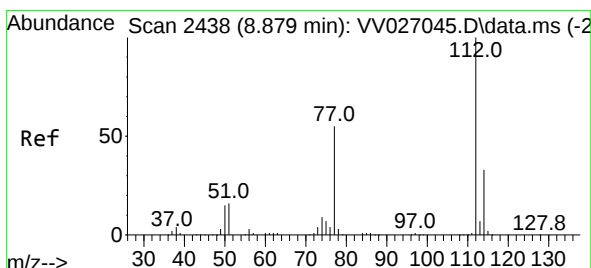
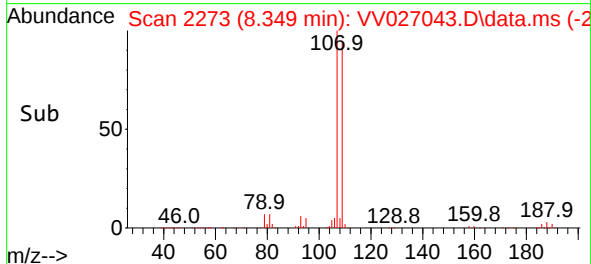
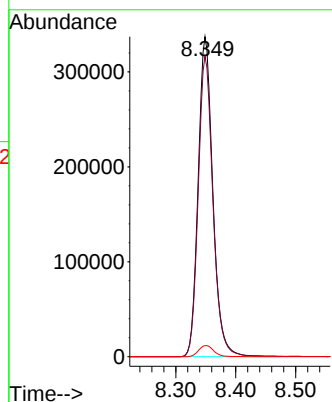
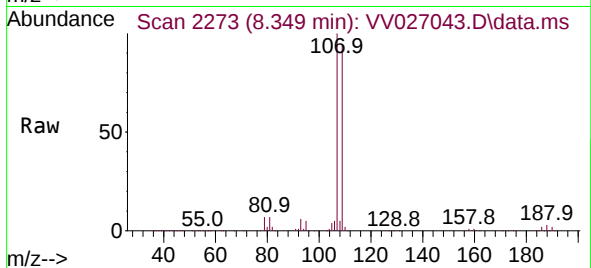
Tgt Ion:107 Resp: 577060

Ion Ratio Lower Upper

107 100

109 93.8 65.7 121.9

188 3.5 2.7 4.1



#51

Chlorobenzene

Concen: 107.670 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. 0.000 min

Lab File: VV027043.D

Acq: 28 Jul 2022 17:06

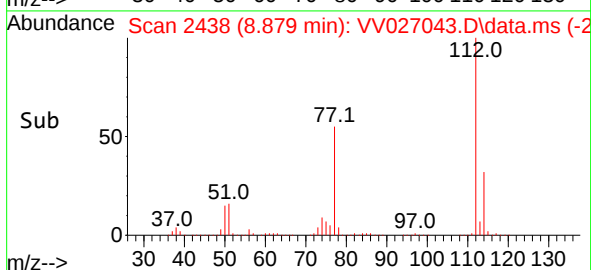
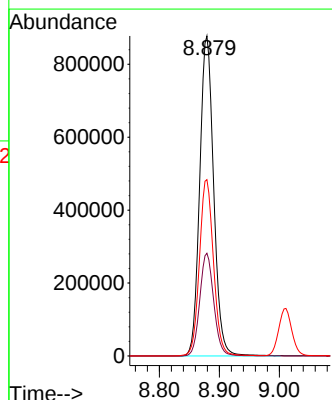
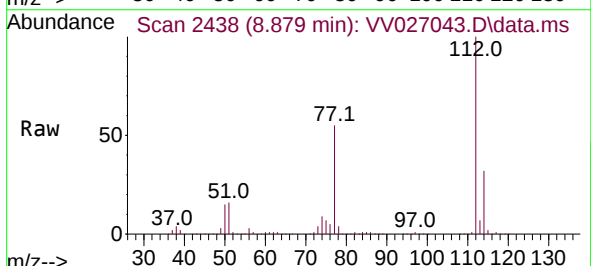
Tgt Ion:112 Resp: 1424370

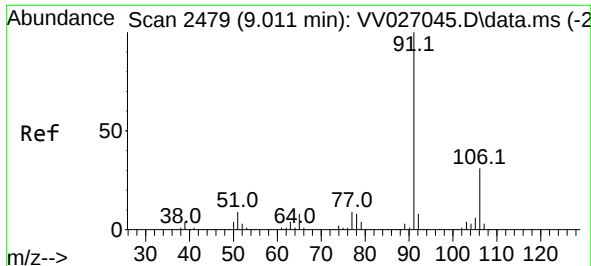
Ion Ratio Lower Upper

112 100

114 32.1 22.8 42.4

77 55.1 44.2 66.2

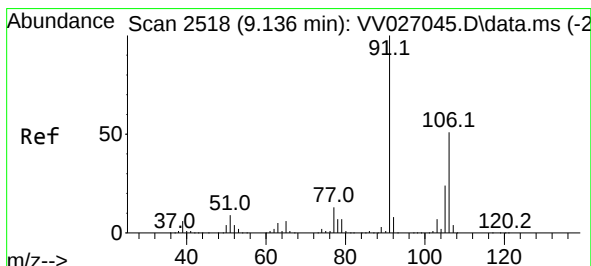
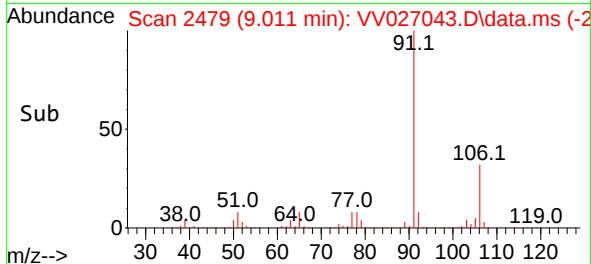
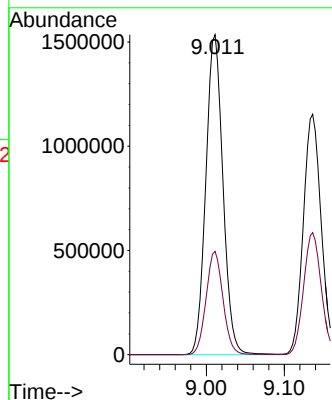
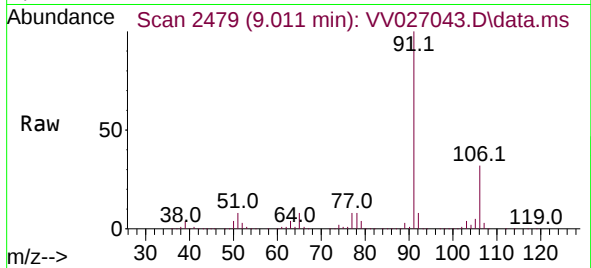




#52  
Ethylbenzene  
Concen: 117.960 ug/L  
RT: 9.011 min Scan# 2479  
Delta R.T. 0.000 min  
Lab File: VV027043.D  
Acq: 28 Jul 2022 17:06

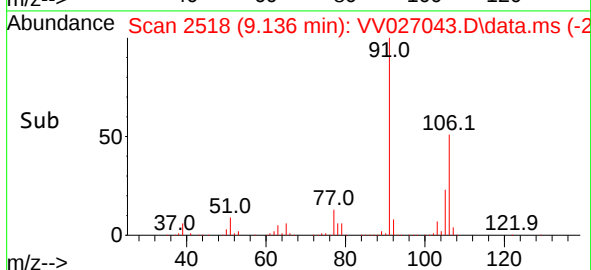
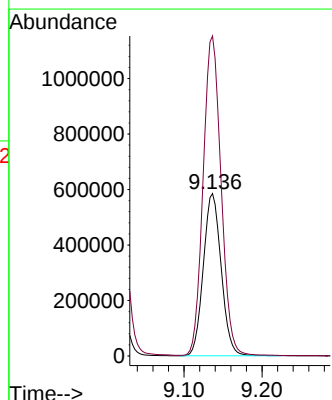
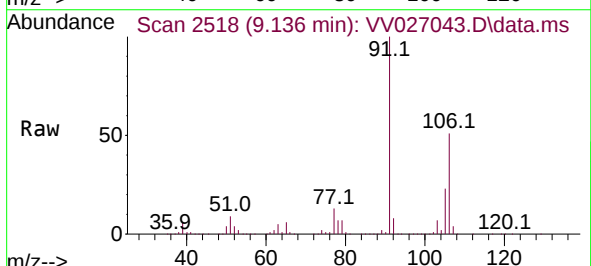
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD100240

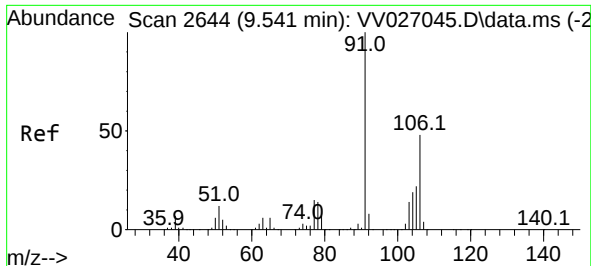
Tgt Ion: 91 Resp: 2342958  
Ion Ratio Lower Upper  
91 100  
106 32.3 21.8 40.6



#53  
m,p-Xylene  
Concen: 118.990 ug/L  
RT: 9.136 min Scan# 2518  
Delta R.T. 0.000 min  
Lab File: VV027043.D  
Acq: 28 Jul 2022 17:06

Tgt Ion: 106 Resp: 929604  
Ion Ratio Lower Upper  
106 100  
91 197.1 137.5 255.3

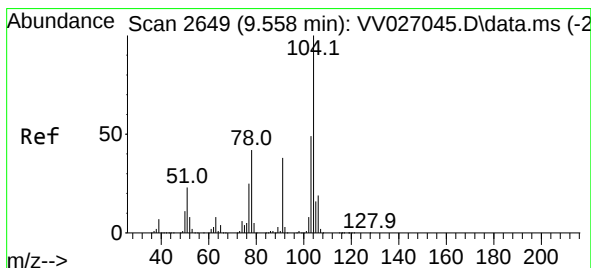
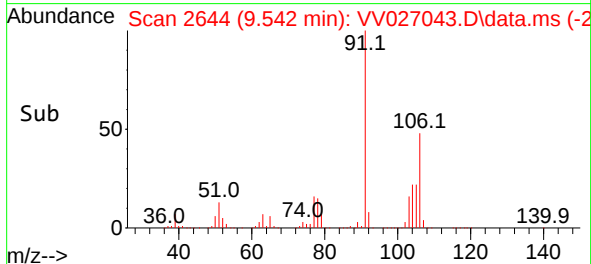
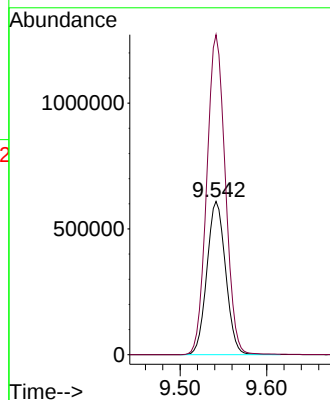
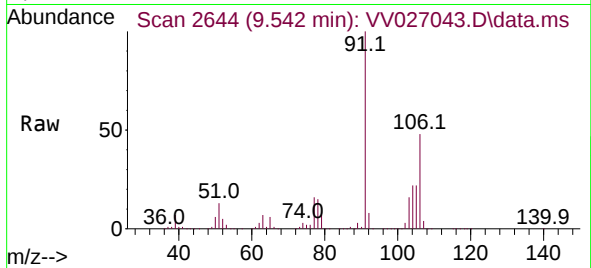




#54  
o-Xylene  
Concen: 121.536 ug/L  
RT: 9.542 min Scan# 2644  
Delta R.T. 0.000 min  
Lab File: VV027043.D  
Acq: 28 Jul 2022 17:06

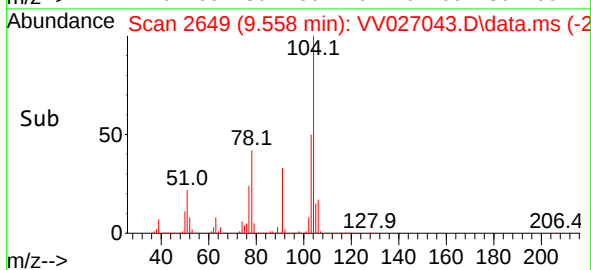
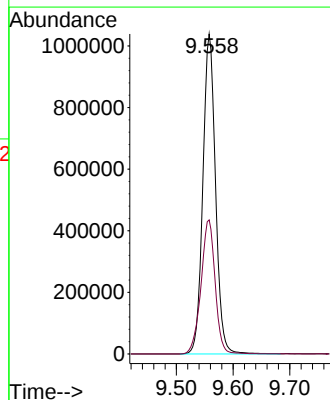
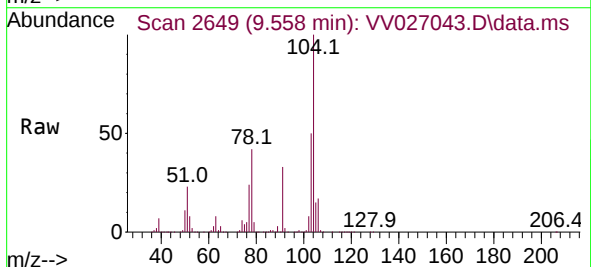
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD100240

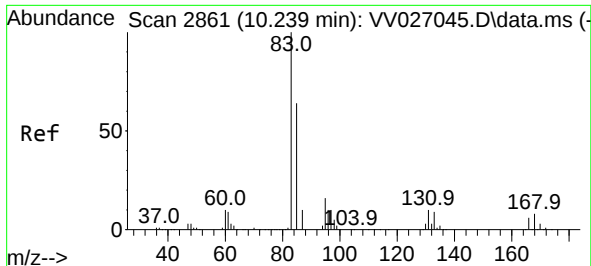
Tgt Ion:106 Resp: 914383  
Ion Ratio Lower Upper  
106 100  
91 208.8 146.6 272.2



#55  
Styrene  
Concen: 122.374 ug/L  
RT: 9.558 min Scan# 2649  
Delta R.T. 0.000 min  
Lab File: VV027043.D  
Acq: 28 Jul 2022 17:06

Tgt Ion:104 Resp: 1611328  
Ion Ratio Lower Upper  
104 100  
78 41.9 29.6 55.0





#57

1,1,2,2-Tetrachloroethane

Concen: 107.235 ug/L

RT: 10.239 min Scan# 2861

Delta R.T. 0.000 min

Lab File: VV027043.D

Acq: 28 Jul 2022 17:06

Instrument :

MSVOA\_V

ClientSampleId :

VSTD100240

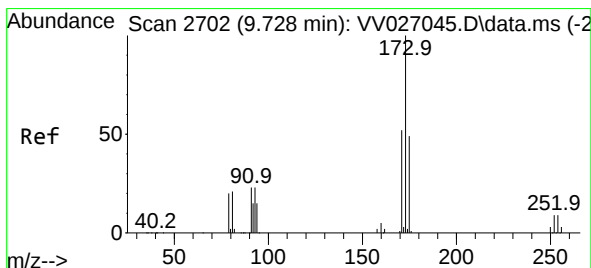
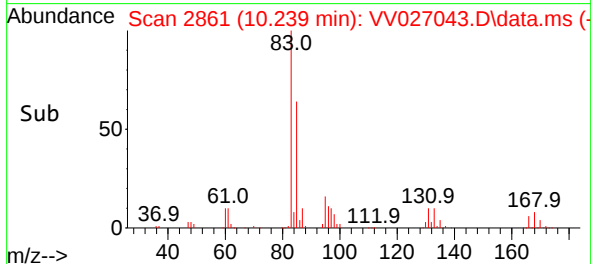
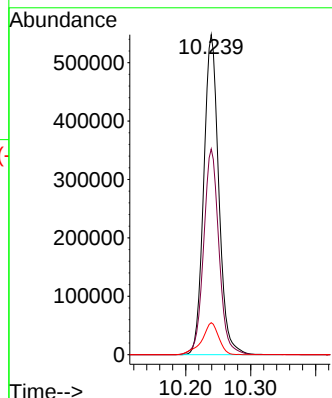
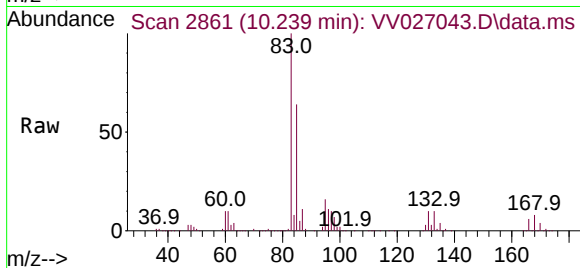
Tgt Ion: 83 Resp: 881378

Ion Ratio Lower Upper

83 100

85 64.3 45.2 84.0

131 10.0 8.1 12.1



#59

Bromoform

Concen: 104.564 ug/L

RT: 9.728 min Scan# 2702

Delta R.T. 0.000 min

Lab File: VV027043.D

Acq: 28 Jul 2022 17:06

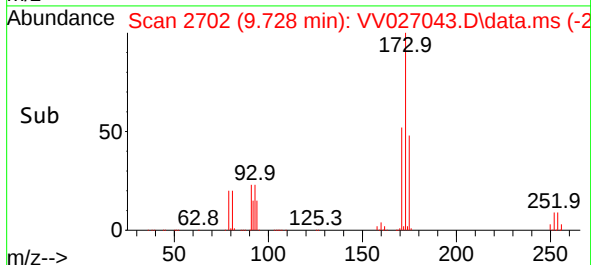
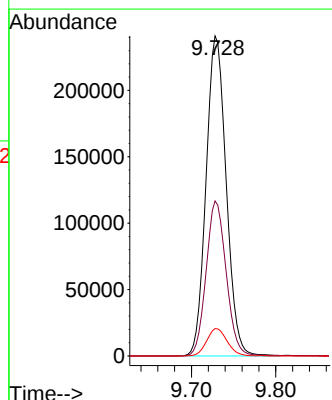
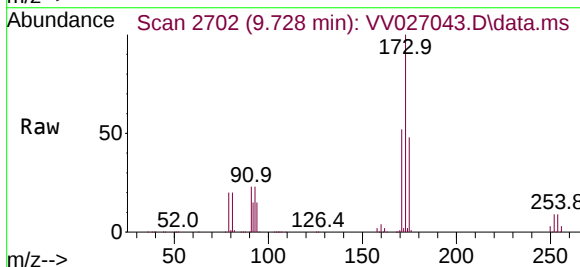
Tgt Ion: 173 Resp: 400790

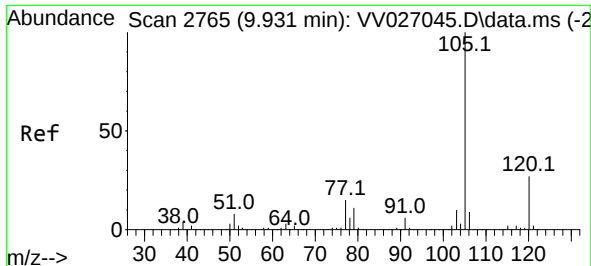
Ion Ratio Lower Upper

173 100

175 48.1 39.0 58.4

254 8.7 6.9 10.3

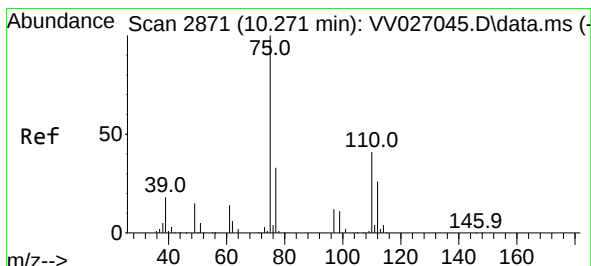
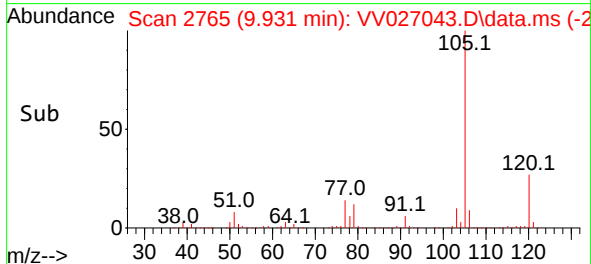
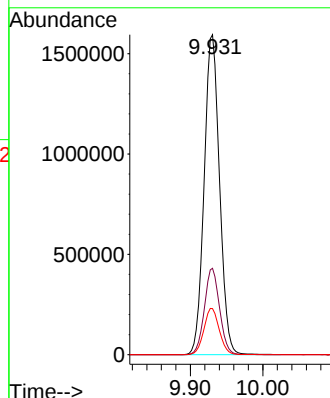
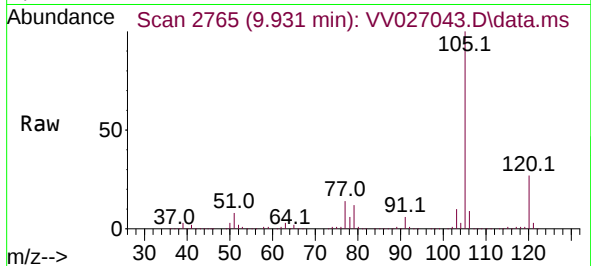




#60  
Isopropylbenzene  
Concen: 111.617 ug/L  
RT: 9.931 min Scan# 2765  
Delta R.T. 0.000 min  
Lab File: VV027043.D  
Acq: 28 Jul 2022 17:06

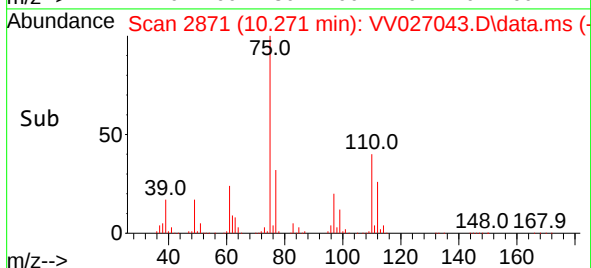
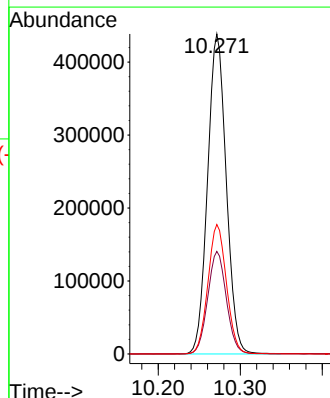
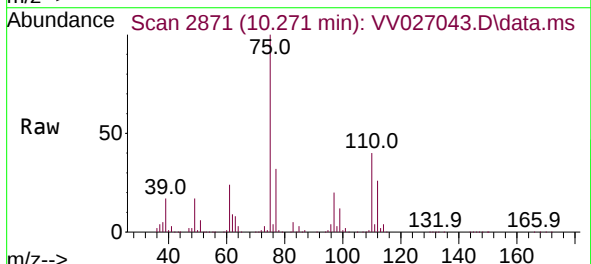
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD100240

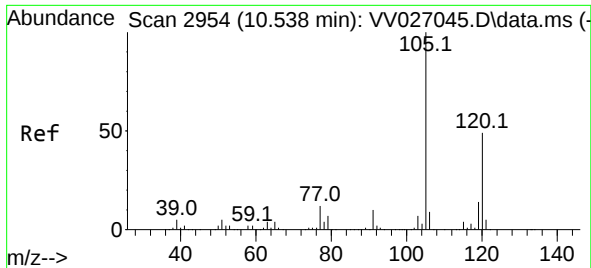
Tgt Ion:105 Resp: 2350318  
Ion Ratio Lower Upper  
105 100  
120 26.6 21.4 32.0  
77 14.5 11.8 17.6



#61  
1,2,3-Trichloropropane  
Concen: 97.718 ug/L  
RT: 10.271 min Scan# 2871  
Delta R.T. 0.000 min  
Lab File: VV027043.D  
Acq: 28 Jul 2022 17:06

Tgt Ion: 75 Resp: 691522  
Ion Ratio Lower Upper  
75 100  
77 31.9 25.8 38.8  
110 40.3 32.7 49.1





#62

1,3,5-Trimethylbenzene

Concen: 115.936 ug/L

RT: 10.538 min Scan# 2954

Delta R.T. 0.000 min

Lab File: VV027043.D

Acq: 28 Jul 2022 17:06

Instrument :

MSVOA\_V

ClientSampleId :

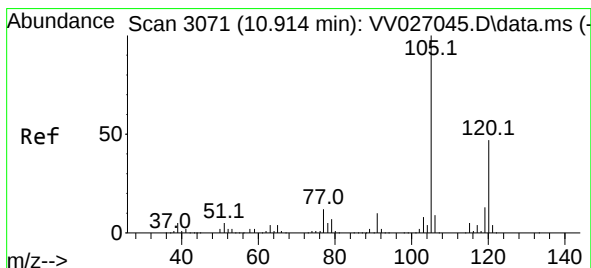
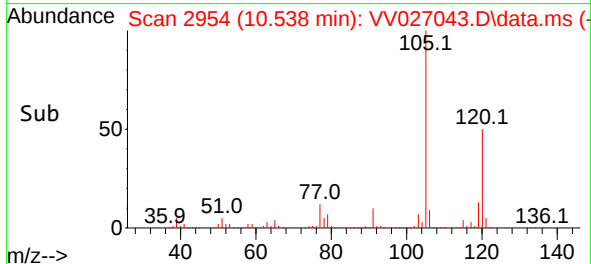
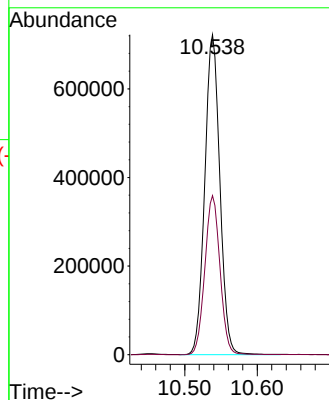
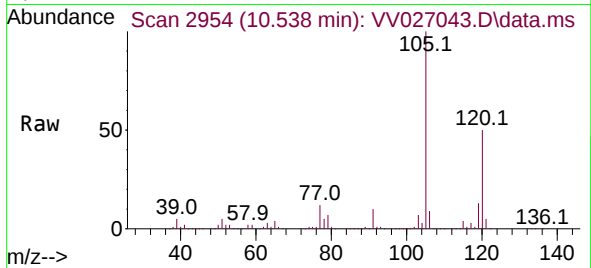
VSTD100240

Tgt Ion:105 Resp: 1044895

Ion Ratio Lower Upper

105 100

120 49.9 39.3 58.9



#63

1,2,4-Trimethylbenzene

Concen: 118.759 ug/L

RT: 10.914 min Scan# 3071

Delta R.T. 0.000 min

Lab File: VV027043.D

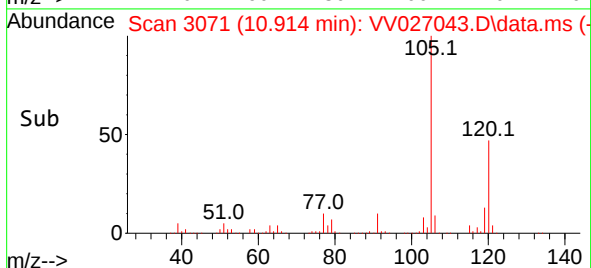
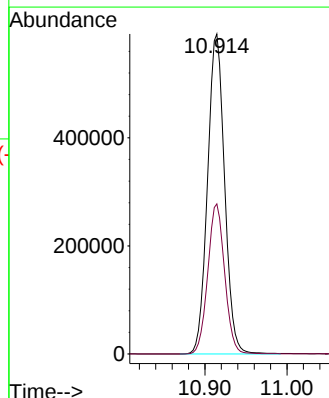
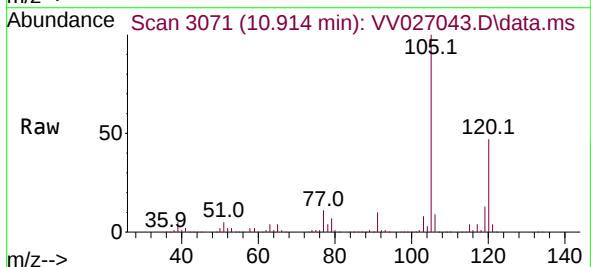
Acq: 28 Jul 2022 17:06

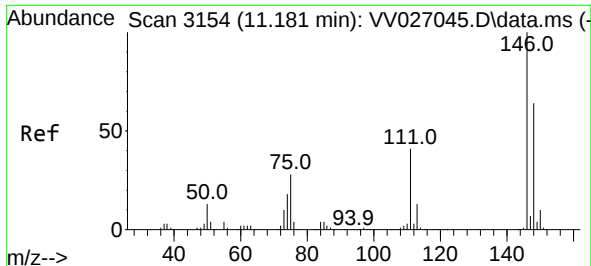
Tgt Ion:105 Resp: 854138

Ion Ratio Lower Upper

105 100

120 46.6 37.0 55.6

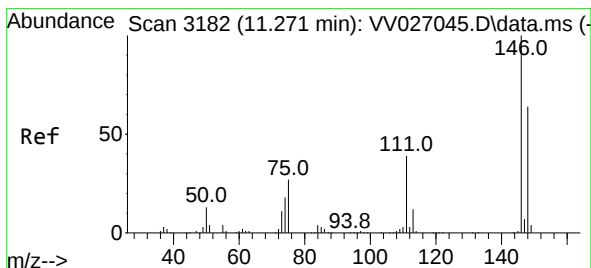
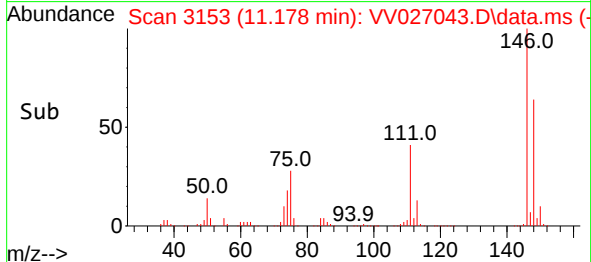
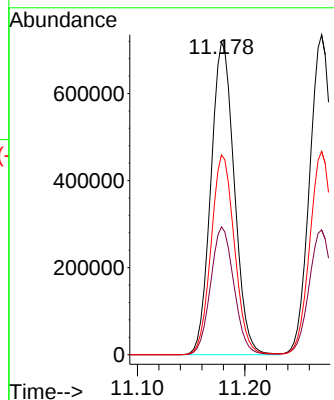
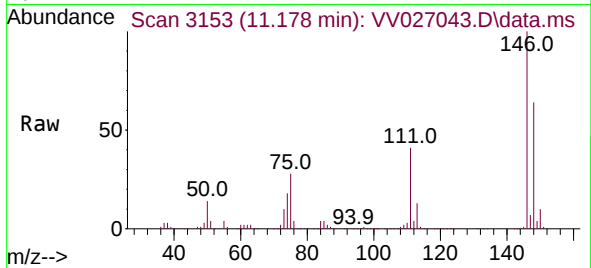




#64  
 1,3-Dichlorobenzene  
 Concen: 106.487 ug/L  
 RT: 11.178 min Scan# 3153  
 Delta R.T. -0.003 min  
 Lab File: VV027043.D  
 Acq: 28 Jul 2022 17:06

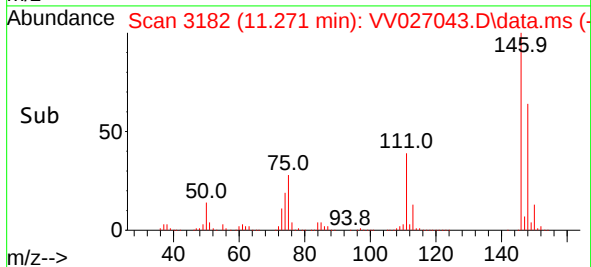
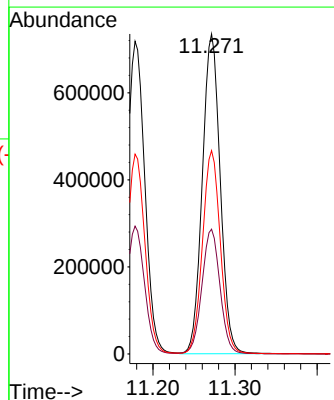
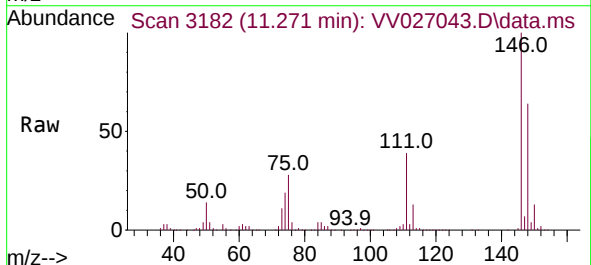
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD100240

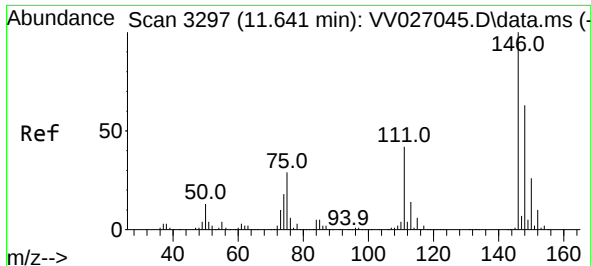
Tgt Ion:146 Resp: 1088522  
 Ion Ratio Lower Upper  
 146 100  
 111 40.9 28.4 52.8  
 148 63.9 44.7 82.9



#65  
 1,4-Dichlorobenzene  
 Concen: 103.161 ug/L  
 RT: 11.271 min Scan# 3182  
 Delta R.T. 0.000 min  
 Lab File: VV027043.D  
 Acq: 28 Jul 2022 17:06

Tgt Ion:146 Resp: 1111235  
 Ion Ratio Lower Upper  
 146 100  
 111 39.0 27.4 51.0  
 148 63.5 44.6 82.8





#67

1,2-Dichlorobenzene

Concen: 104.517 ug/L

RT: 11.641 min Scan# 3297

Delta R.T. 0.000 min

Lab File: VV027043.D

Acq: 28 Jul 2022 17:06

Instrument :

MSVOA\_V

ClientSampleId :

VSTD100240

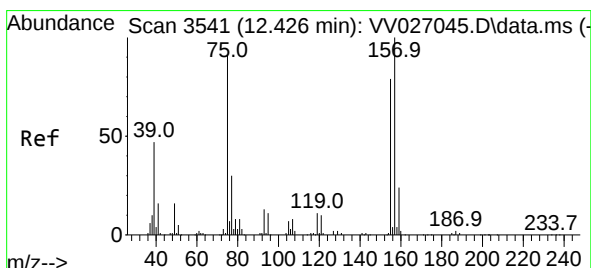
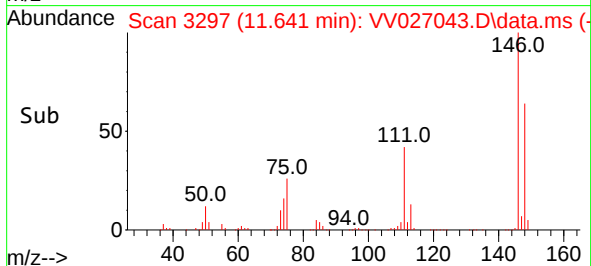
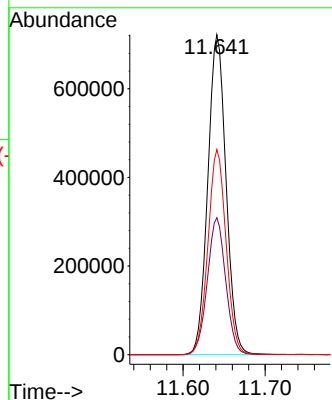
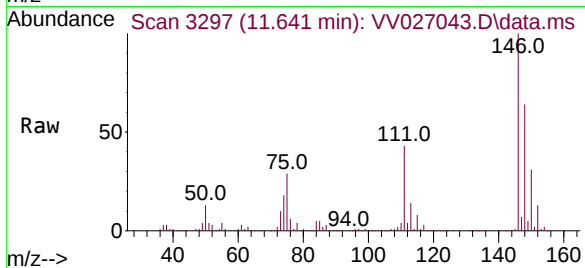
Tgt Ion:146 Resp: 1115748

Ion Ratio Lower Upper

146 100

111 42.8 34.0 51.0

148 64.1 50.5 75.7



#68

1,2-Dibromo-3-chloropropane

Concen: 103.571 ug/L

RT: 12.426 min Scan# 3541

Delta R.T. 0.000 min

Lab File: VV027043.D

Acq: 28 Jul 2022 17:06

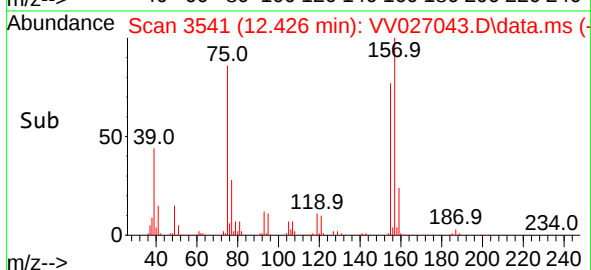
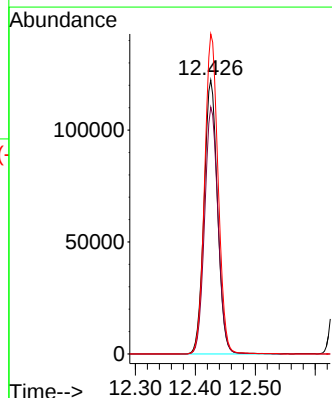
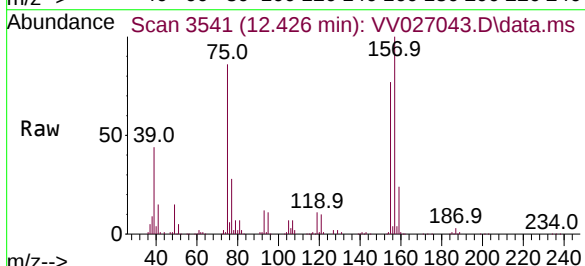
Tgt Ion: 75 Resp: 192164

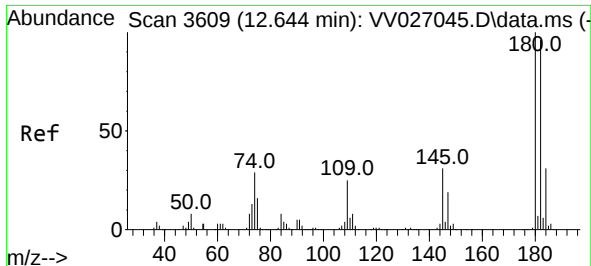
Ion Ratio Lower Upper

75 100

155 90.1 69.1 103.7

157 116.8 87.8 131.8

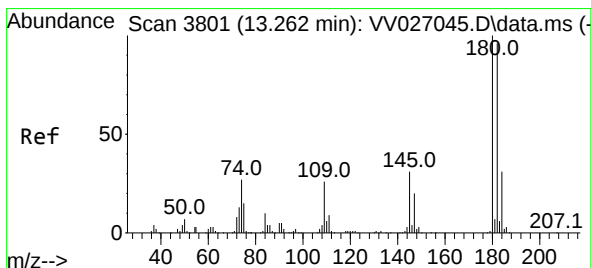
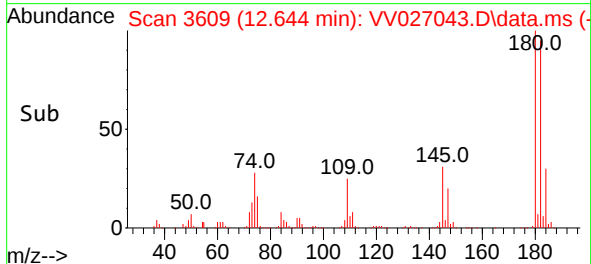
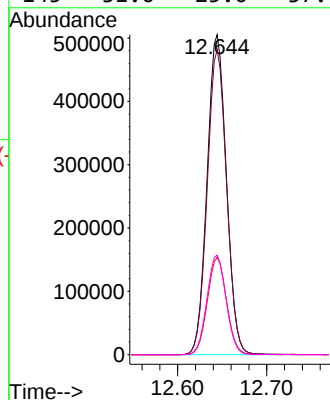
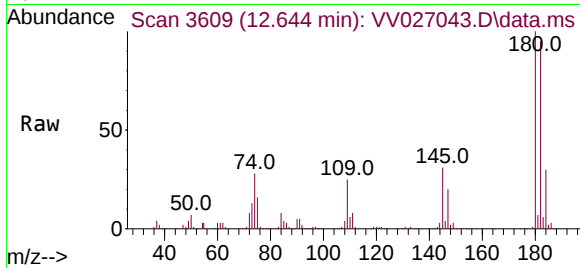




#69  
 1,3,5-Trichlorobenzene  
 Concen: 109.375 ug/L  
 RT: 12.644 min Scan# 3609  
 Delta R.T. 0.000 min  
 Lab File: VV027043.D  
 Acq: 28 Jul 2022 17:06

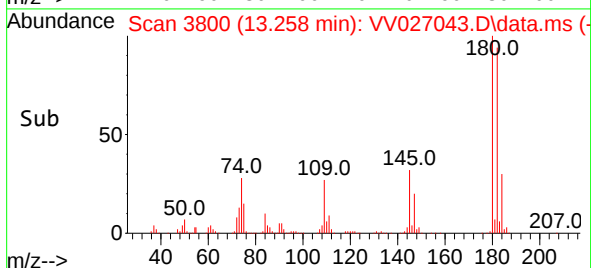
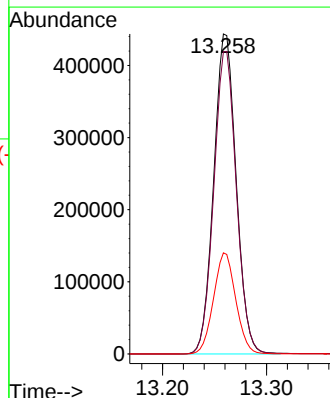
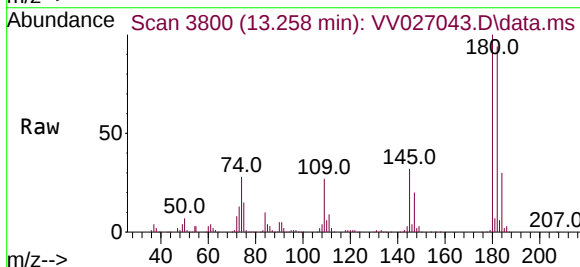
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD100240

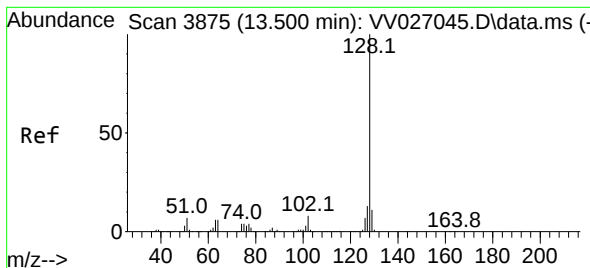
Tgt Ion:180 Resp: 758313  
 Ion Ratio Lower Upper  
 180 100  
 182 95.7 76.2 114.4  
 184 30.2 24.8 37.2  
 145 31.0 25.0 37.6



#70  
 1,2,4-trichlorobenzene  
 Concen: 112.261 ug/L  
 RT: 13.258 min Scan# 3800  
 Delta R.T. -0.003 min  
 Lab File: VV027043.D  
 Acq: 28 Jul 2022 17:06

Tgt Ion:180 Resp: 666175  
 Ion Ratio Lower Upper  
 180 100  
 182 95.3 75.9 113.9  
 145 31.3 24.7 37.1





#71

Naphthalene

Concen: 117.065 ug/L

RT: 13.500 min Scan# 3875

Delta R.T. 0.000 min

Lab File: VV027043.D

Acq: 28 Jul 2022 17:06

Instrument :

MSVOA\_V

ClientSampleId :

VSTD100240

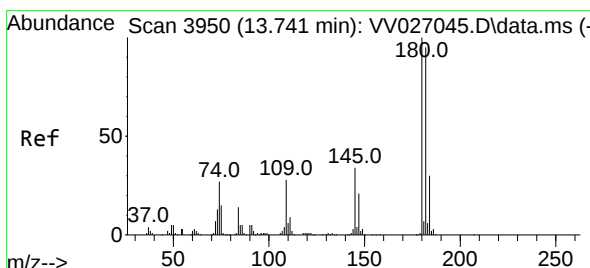
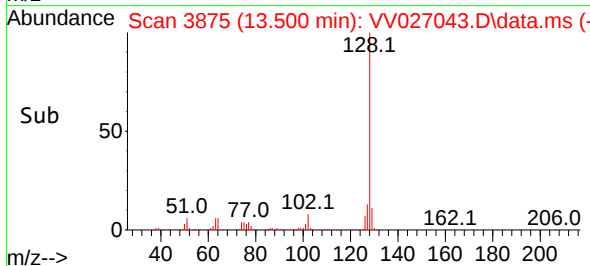
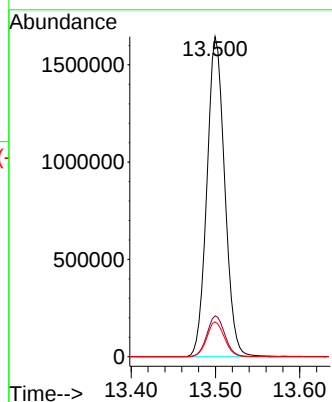
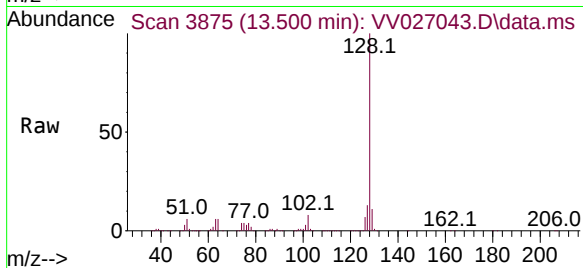
Tgt Ion:128 Resp: 2417175

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

129 10.8 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 113.259 ug/L

RT: 13.741 min Scan# 3950

Delta R.T. 0.000 min

Lab File: VV027043.D

Acq: 28 Jul 2022 17:06

Tgt Ion:180 Resp: 728984

Ion Ratio Lower Upper

180 100

182 94.5 76.3 114.5

145 33.3 27.4 41.0

