

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD022323\  
 Data File : VD075410.D  
 Acq On : 23 Feb 2023 13:01  
 Operator : KP/SY  
 Sample : VSTD05004  
 Misc : 5.00G/10.00ml/MSVOA\_D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD050104

Quant Time: Feb 23 23:19:05 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM022323SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Feb 23 23:16:46 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Difluorobenzene        | 8.775  | 114  | 91189    | 25.000  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.587 | 117  | 83979    | 25.000  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.522 | 152  | 42934    | 25.000  | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 4) Vinyl Chloride-d3          | 2.275  | 65   | 26528    | 22.524  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 2.805  | 69   | 32240    | 39.403  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 3.928  | 63   | 66305    | 27.817  | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 6.987  | 46   | 26901    | 99.615  | ug/L   | 0.00     |
| 24) Chloroform-d              | 7.569  | 84   | 89444    | 38.260  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 8.228  | 65   | 42936    | 35.874  | ug/L   | 0.00     |
| 32) Benzene-d6                | 8.198  | 84   | 130151   | 25.818  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67   | 48800    | 33.041  | ug/L   | 0.00     |
| 41) Toluene-d8                | 10.269 | 98   | 112472   | 24.332  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 10.522 | 79   | 19874    | 31.569  | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 10.881 | 63   | 20678    | 91.305  | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 12.657 | 84   | 47582    | 45.821  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 13.822 | 152  | 54701    | 36.301  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.934  | 85   | 81995    | 106.025 | ug/L   | 99       |
| 3) Chloromethane              | 2.146  | 50   | 95697    | 83.994  | ug/L   | 99       |
| 5) Vinyl chloride             | 2.281  | 62   | 108971   | 77.994  | ug/L   | 99       |
| 6) Bromomethane               | 2.693  | 94   | 57897    | 80.072  | ug/L   | 94       |
| 8) Chloroethane               | 2.840  | 64   | 69497    | 97.480  | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 3.175  | 101  | 124694   | 106.139 | ug/L   | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.963  | 101  | 75803    | 59.692  | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 3.940  | 96   | 65661    | 55.344  | ug/L # | 80       |
| 13) Acetone                   | 4.022  | 43   | 33348    | 100.151 | ug/L   | 94       |
| 14) Carbon disulfide          | 4.269  | 76   | 204769   | 52.942  | ug/L   | 99       |
| 15) Methyl Acetate            | 4.558  | 43   | 27787    | 56.170  | ug/L   | 95       |
| 16) Methylene chloride        | 4.799  | 84   | 71686    | 47.947  | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 5.310  | 96   | 70843    | 55.692  | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 5.316  | 73   | 147994   | 75.143  | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.116  | 63   | 131592   | 58.095  | ug/L   | 100      |
| 20) cis-1,2-Dichloroethene    | 7.081  | 96   | 78658    | 59.012  | ug/L   | 99       |
| 22) 2-Butanone                | 7.081  | 43   | 40156    | 107.978 | ug/L   | 98       |
| 23) Bromochloromethane        | 7.428  | 128  | 32476    | 57.527  | ug/L   | 83       |
| 25) Chloroform                | 7.599  | 83   | 136737   | 60.499  | ug/L   | 99       |
| 27) 1,2-Dichloroethane        | 8.328  | 62   | 86096    | 61.506  | ug/L   | 99       |
| 29) Cyclohexane               | 7.875  | 56   | 112828   | 49.791  | ug/L   | 98       |
| 30) 1,1,1-Trichloroethane     | 7.793  | 97   | 123326   | 61.040  | ug/L   | 98       |
| 31) Carbon tetrachloride      | 7.993  | 117  | 106286   | 58.250  | ug/L   | 100      |
| 33) Benzene                   | 8.251  | 78   | 287371   | 54.133  | ug/L   | 100      |
| 34) Trichloroethene           | 9.028  | 95   | 76373    | 54.994  | ug/L   | 96       |
| 35) Methylcyclohexane         | 9.275  | 83   | 125810   | 50.926  | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 9.304  | 63   | 75697    | 56.904  | ug/L   | 100      |
| 38) Bromodichloromethane      | 9.587  | 83   | 97460    | 58.280  | ug/L   | 96       |
| 39) cis-1,3-Dichloropropene   | 10.016 | 75   | 115134   | 57.411  | ug/L   | 91       |
| 40) 4-Methyl-2-pentanone      | 10.157 | 43   | 83617    | 118.672 | ug/L   | 98       |
| 42) Toluene                   | 10.334 | 91   | 322170   | 57.284  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 10.551 | 75   | 96113    | 56.023  | ug/L   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD022323\  
 Data File : VD075410.D  
 Acq On : 23 Feb 2023 13:01  
 Operator : KP/SY  
 Sample : VSTD05004  
 Misc : 5.00G/10.00ml/MSVOA\_D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD050104

Quant Time: Feb 23 23:19:05 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM022323SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Feb 23 23:16:46 2023  
 Response via : Initial Calibration

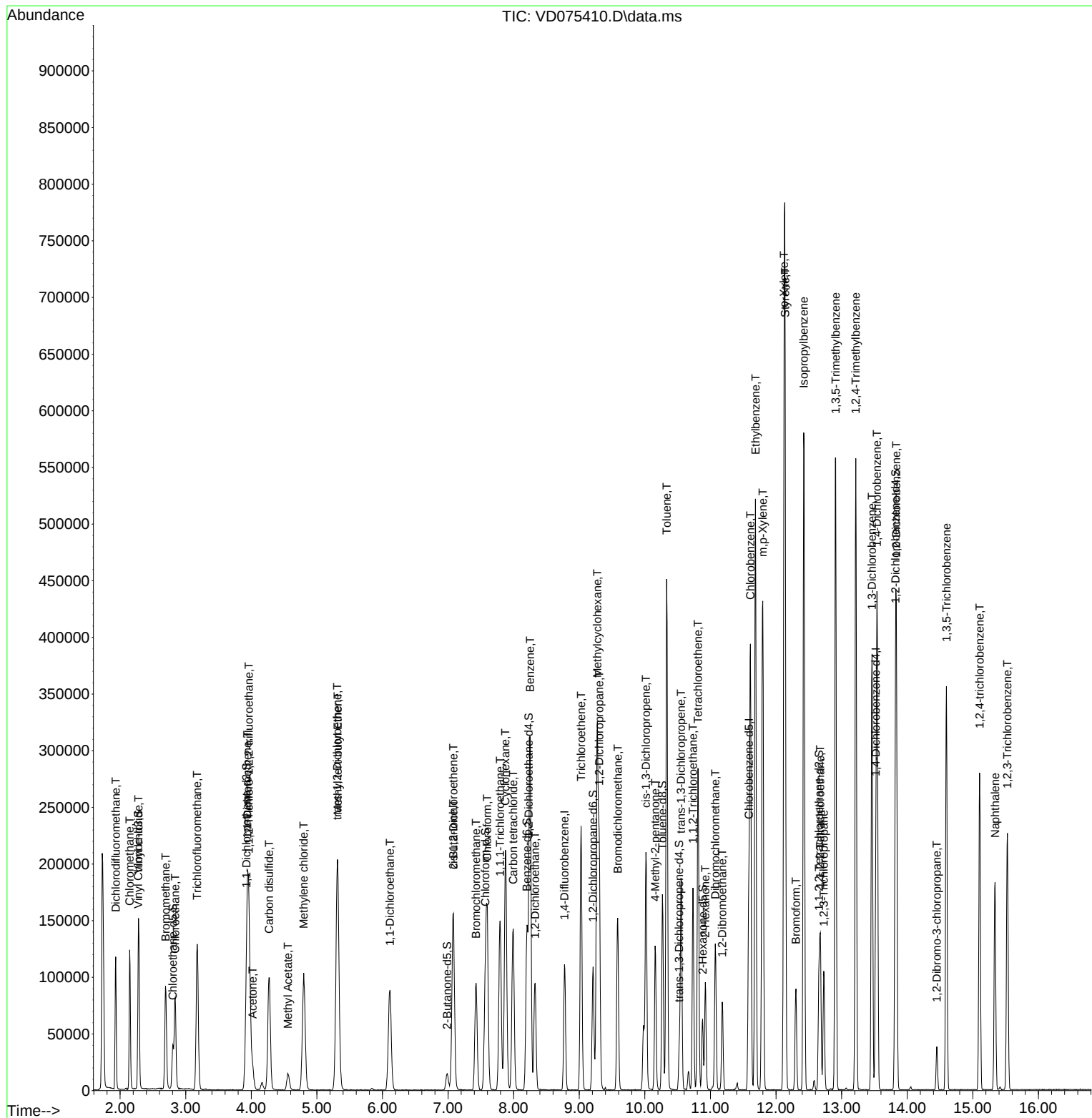
| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| 45) 1,1,2-Trichloroethane     | 10.734 | 97   | 52132    | 56.401  | ug/L   | 96       |
| 46) Tetrachloroethene         | 10.810 | 164  | 59184    | 56.398  | ug/L   | 93       |
| 48) 2-Hexanone                | 10.922 | 43   | 60683    | 113.051 | ug/L   | 99       |
| 49) Dibromochloromethane      | 11.075 | 129  | 63187    | 58.464  | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 11.181 | 107  | 48243    | 55.728  | ug/L # | 94       |
| 51) Chlorobenzene             | 11.610 | 112  | 198765   | 56.391  | ug/L   | 97       |
| 52) Ethylbenzene              | 11.687 | 91   | 360240   | 57.526  | ug/L   | 100      |
| 53) m,p-Xylene                | 11.798 | 106  | 138289   | 57.328  | ug/L   | 91       |
| 54) o-Xylene                  | 12.122 | 106  | 129254   | 58.012  | ug/L   | 98       |
| 55) Styrene                   | 12.139 | 104  | 226598   | 59.731  | ug/L   | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 58295    | 56.670  | ug/L   | 98       |
| 59) Bromoform                 | 12.304 | 173  | 37530    | 60.252  | ug/L   | 98       |
| 60) Isopropylbenzene          | 12.422 | 105  | 365740   | 54.062  | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 12.728 | 75   | 39805    | 48.144  | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.910 | 105  | 291568   | 51.889  | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 288622   | 52.207  | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 13.463 | 146  | 151939   | 54.739  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 13.539 | 146  | 152127   | 54.933  | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 13.833 | 146  | 131408   | 54.511  | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 14.451 | 75   | 8629     | 45.812  | ug/L   | 94       |
| 69) 1,3,5-Trichlorobenzene    | 14.598 | 180  | 100433   | 50.395  | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.104 | 180  | 83675    | 49.846  | ug/L   | 97       |
| 71) Naphthalene               | 15.339 | 128  | 154947   | 48.409  | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.528 | 180  | 71800    | 50.409  | ug/L   | 99       |
| -----                         |        |      |          |         |        |          |

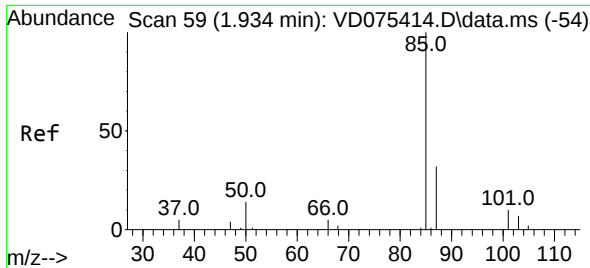
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD022323\  
 Data File : VD075410.D  
 Acq On : 23 Feb 2023 13:01  
 Operator : KP/SY  
 Sample : VSTD05004  
 Misc : 5.00G/10.00ml/MSVOA\_D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD050104

Quant Time: Feb 23 23:19:05 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM022323SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Feb 23 23:16:46 2023  
 Response via : Initial Calibration

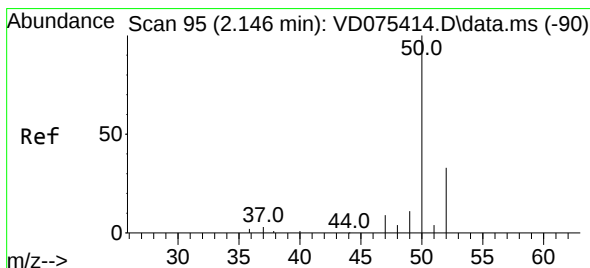
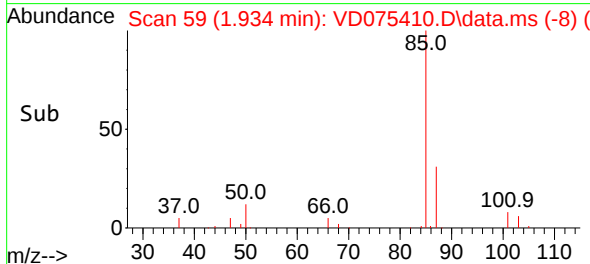
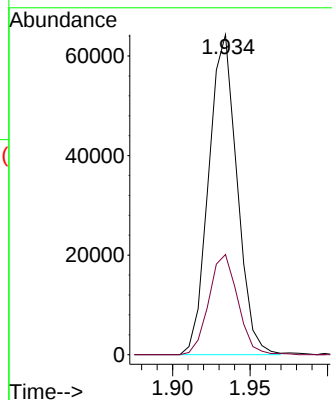
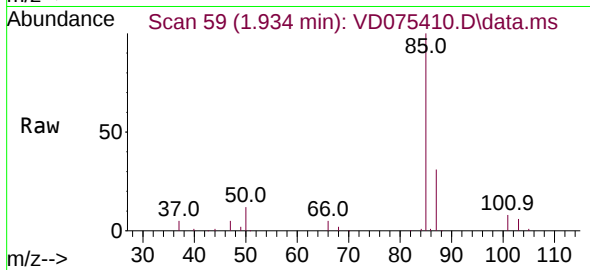




#2  
 Dichlorodifluoromethane  
 Concen: 106.025 ug/L  
 RT: 1.934 min Scan# 59  
 Delta R.T. -0.000 min  
 Lab File: VD075410.D  
 Acq: 23 Feb 2023 13:01

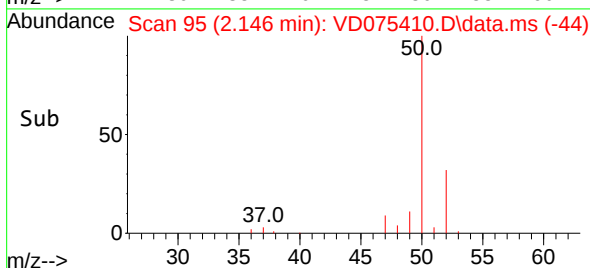
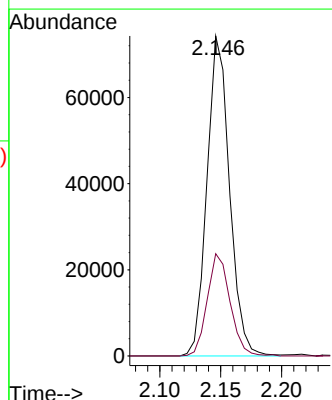
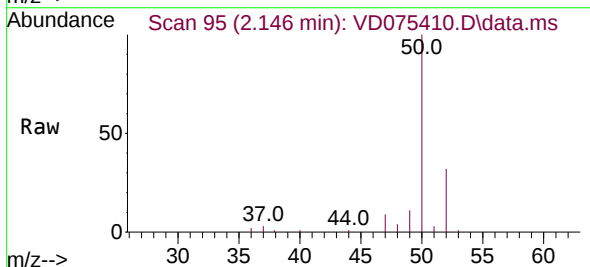
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD050104

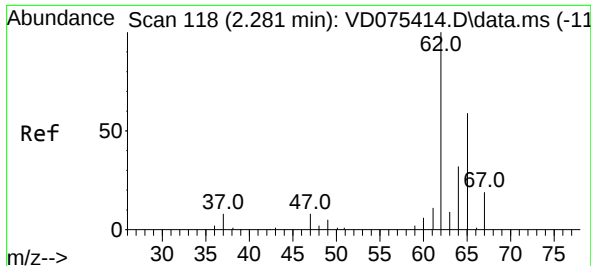
Tgt Ion: 85 Resp: 81995  
 Ion Ratio Lower Upper  
 85 100  
 87 31.7 25.1 37.7



#3  
 Chloromethane  
 Concen: 83.994 ug/L  
 RT: 2.146 min Scan# 95  
 Delta R.T. -0.000 min  
 Lab File: VD075410.D  
 Acq: 23 Feb 2023 13:01

Tgt Ion: 50 Resp: 95697  
 Ion Ratio Lower Upper  
 50 100  
 52 32.0 22.8 42.4

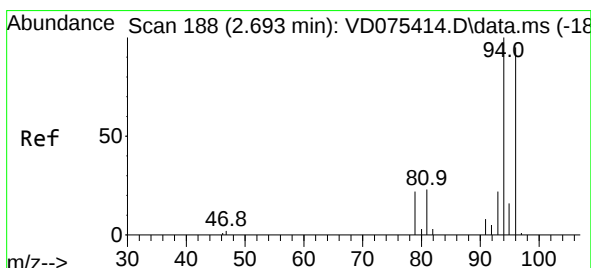
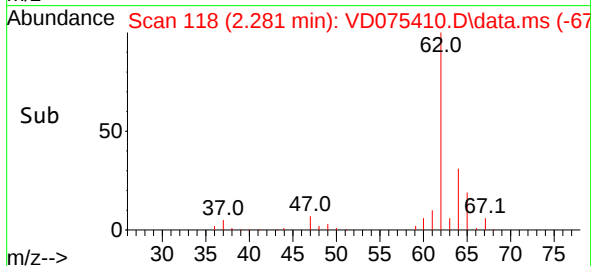
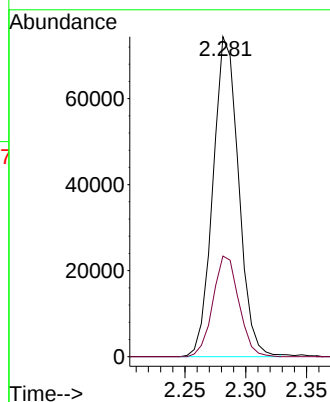
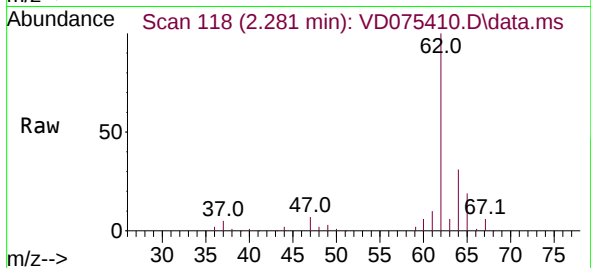




#5  
 Vinyl chloride  
 Concen: 77.994 ug/L  
 RT: 2.281 min Scan# 118  
 Delta R.T. -0.000 min  
 Lab File: VD075410.D  
 Acq: 23 Feb 2023 13:01

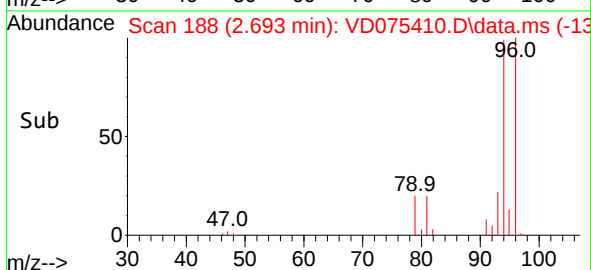
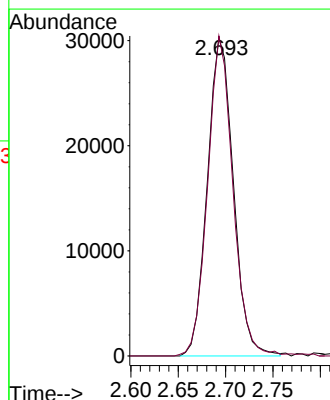
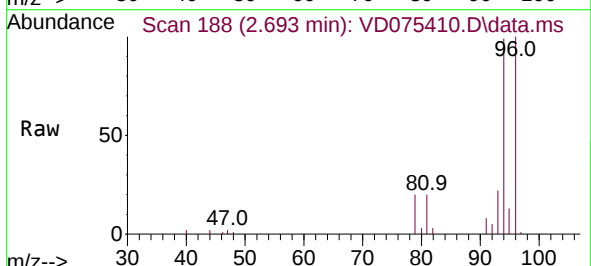
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD050104

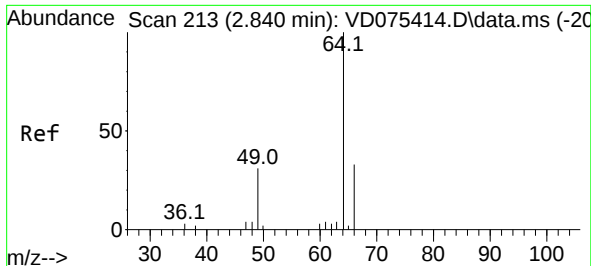
Tgt Ion: 62 Resp: 108971  
 Ion Ratio Lower Upper  
 62 100  
 64 31.5 22.4 41.6



#6  
 Bromomethane  
 Concen: 80.072 ug/L  
 RT: 2.693 min Scan# 188  
 Delta R.T. -0.000 min  
 Lab File: VD075410.D  
 Acq: 23 Feb 2023 13:01

Tgt Ion: 94 Resp: 57897  
 Ion Ratio Lower Upper  
 94 100  
 96 100.5 66.4 123.4

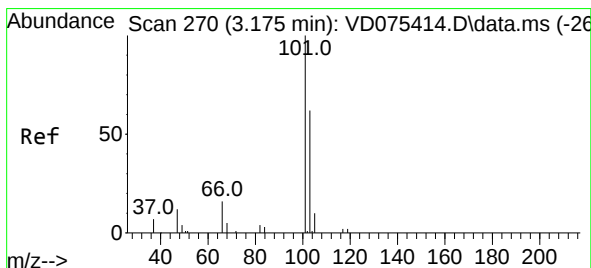
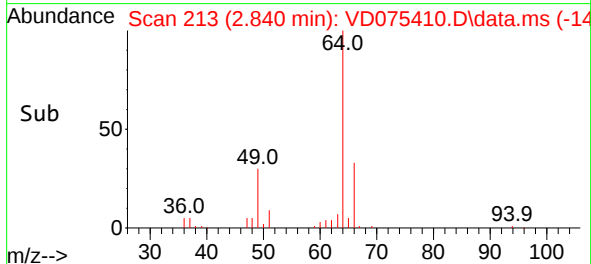
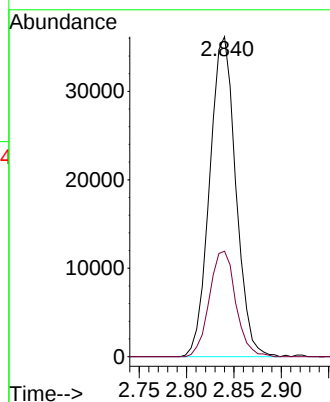
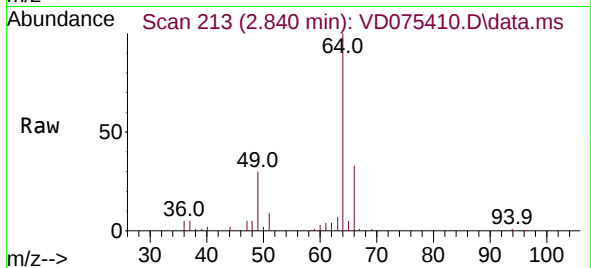




#8  
Chloroethane  
Concen: 97.480 ug/L  
RT: 2.840 min Scan# 213  
Delta R.T. -0.000 min  
Lab File: VD075410.D  
Acq: 23 Feb 2023 13:01

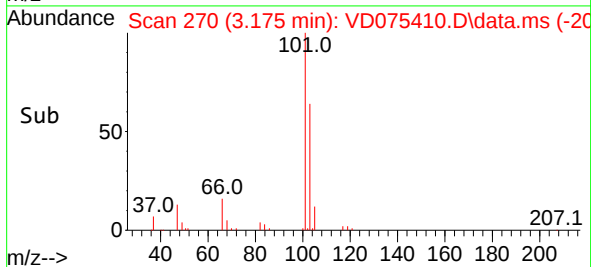
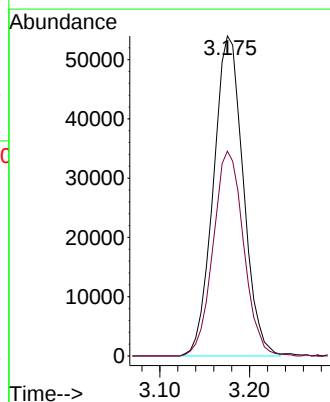
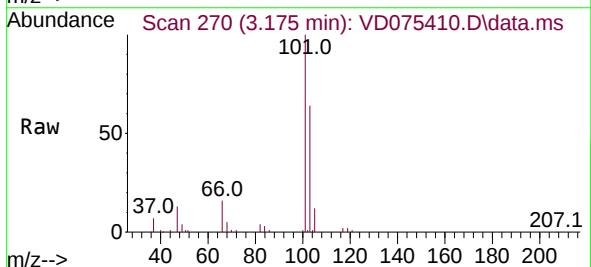
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD050104

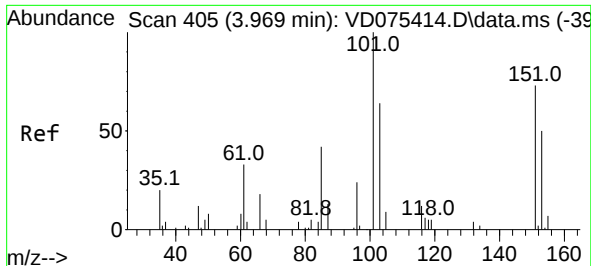
Tgt Ion: 64 Resp: 69497  
Ion Ratio Lower Upper  
64 100  
66 32.9 23.2 43.0



#9  
Trichlorofluoromethane  
Concen: 106.139 ug/L  
RT: 3.175 min Scan# 270  
Delta R.T. -0.000 min  
Lab File: VD075410.D  
Acq: 23 Feb 2023 13:01

Tgt Ion:101 Resp: 124694  
Ion Ratio Lower Upper  
101 100  
103 65.3 50.2 75.2





#10

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

Concen: 59.692 ug/L

RT: 3.963 min Scan# 405

Delta R.T. -0.006 min

Lab File: VD075410.D

Acq: 23 Feb 2023 13:01

Instrument :

MSVOA\_D

ClientSampleId :

VSTD050104

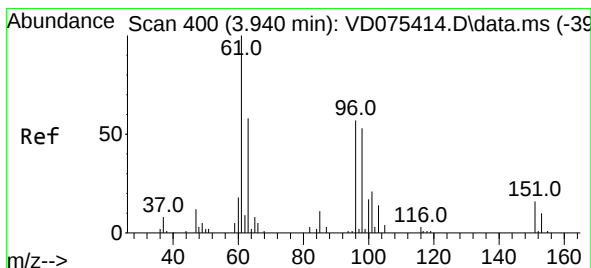
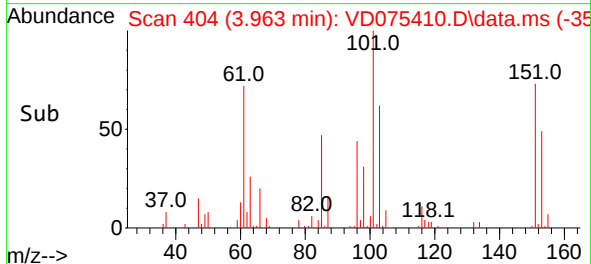
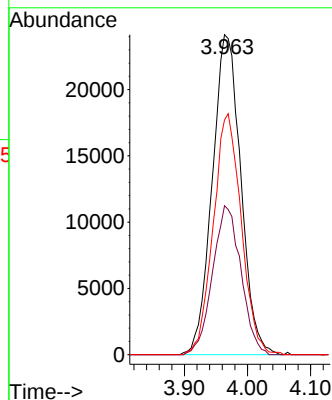
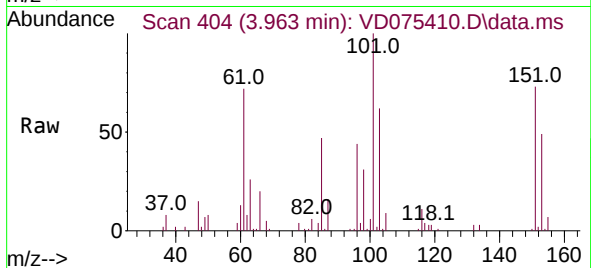
Tgt Ion:101 Resp: 75803

Ion Ratio Lower Upper

101 100

85 46.2 36.7 55.1

151 73.8 58.2 87.2



#12

1,1-Dichloroethene

Concen: 55.344 ug/L

RT: 3.940 min Scan# 400

Delta R.T. -0.000 min

Lab File: VD075410.D

Acq: 23 Feb 2023 13:01

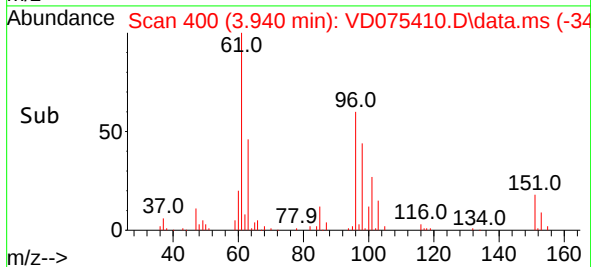
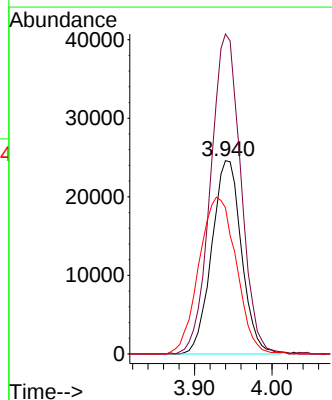
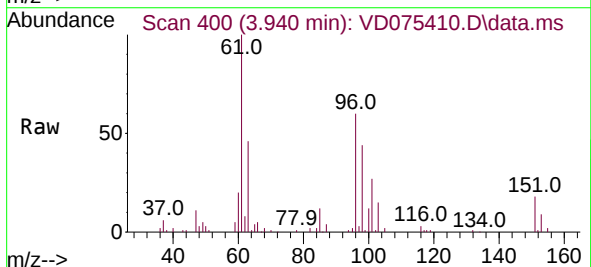
Tgt Ion: 96 Resp: 65661

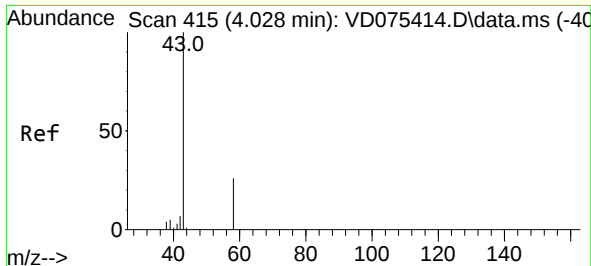
Ion Ratio Lower Upper

96 100

61 165.5 123.8 229.8

63 75.6 81.3 150.9#





#13

Acetone

Concen: 100.151 ug/L

RT: 4.022 min Scan# 415

Delta R.T. -0.006 min

Lab File: VD075410.D

Acq: 23 Feb 2023 13:01

Instrument :

MSVOA\_D

ClientSampleId :

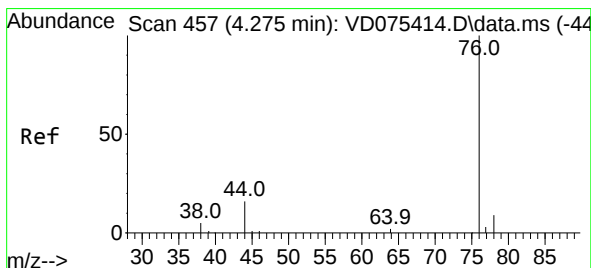
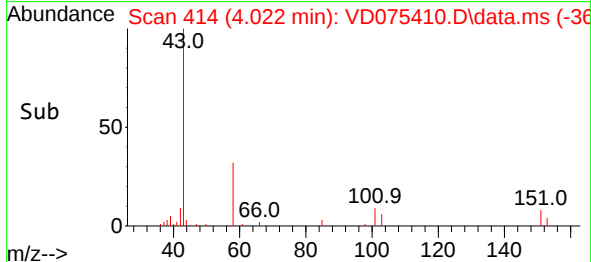
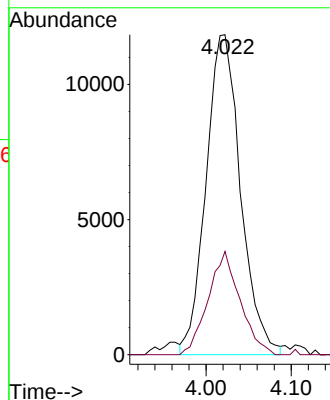
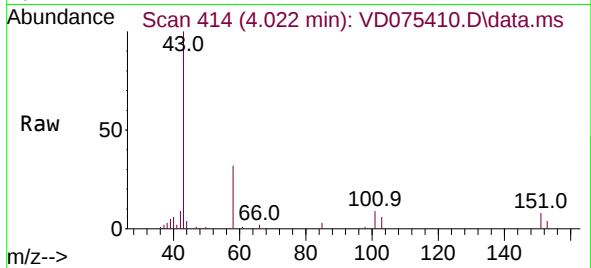
VSTD050104

Tgt Ion: 43 Resp: 33348

Ion Ratio Lower Upper

43 100

58 29.9 0.0 53.8



#14

Carbon disulfide

Concen: 52.942 ug/L

RT: 4.269 min Scan# 456

Delta R.T. -0.006 min

Lab File: VD075410.D

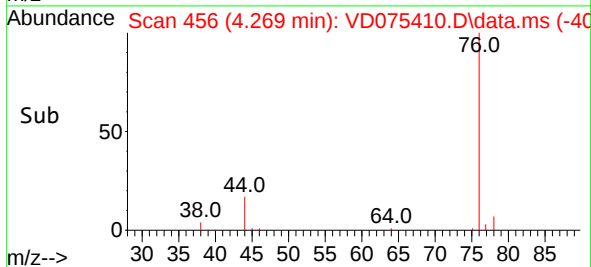
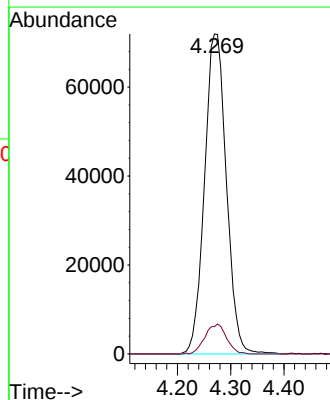
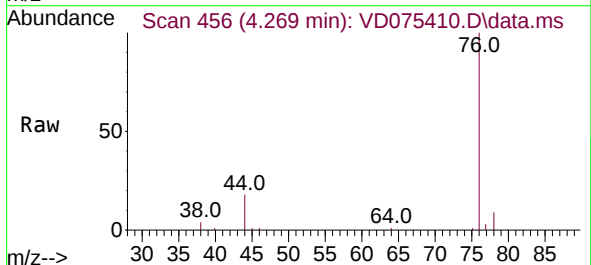
Acq: 23 Feb 2023 13:01

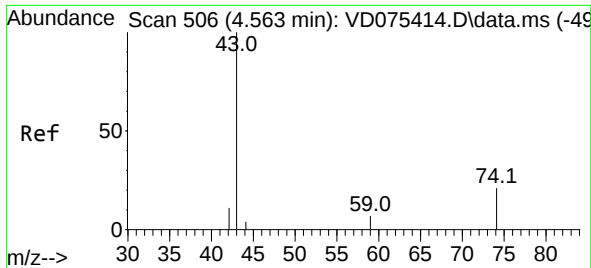
Tgt Ion: 76 Resp: 204769

Ion Ratio Lower Upper

76 100

78 8.6 7.0 10.6

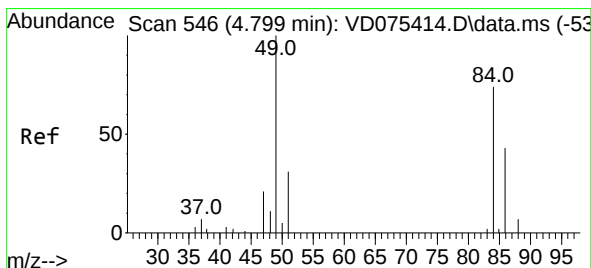
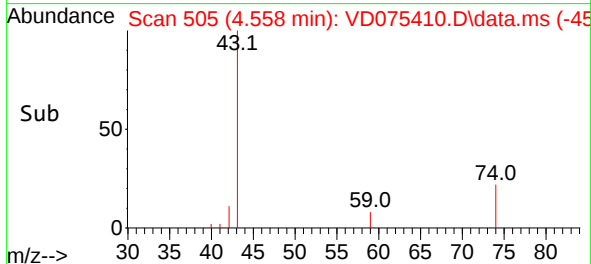
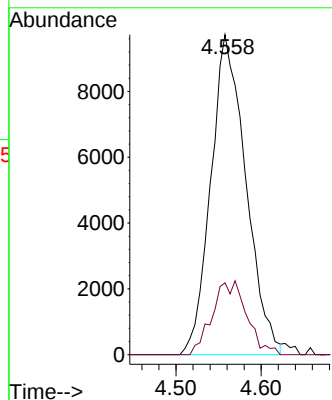
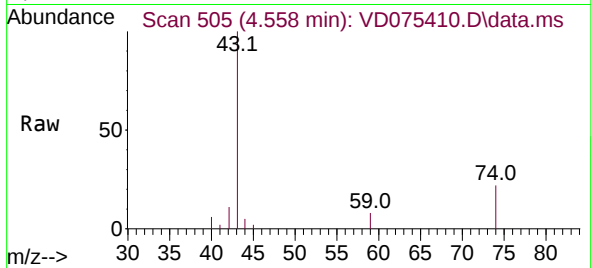




#15  
Methyl Acetate  
Concen: 56.170 ug/L  
RT: 4.558 min Scan# 506  
Delta R.T. -0.006 min  
Lab File: VD075410.D  
Acq: 23 Feb 2023 13:01

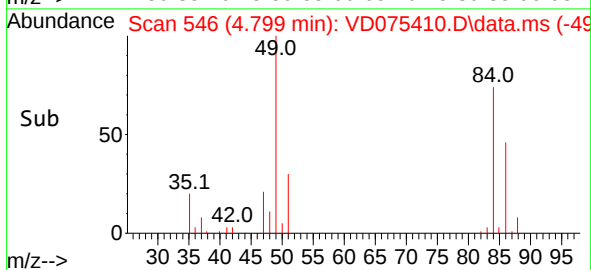
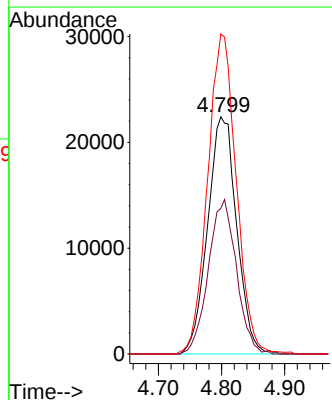
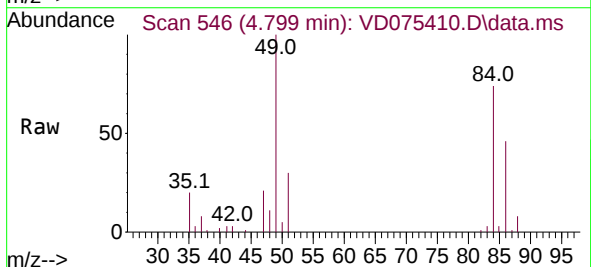
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD050104

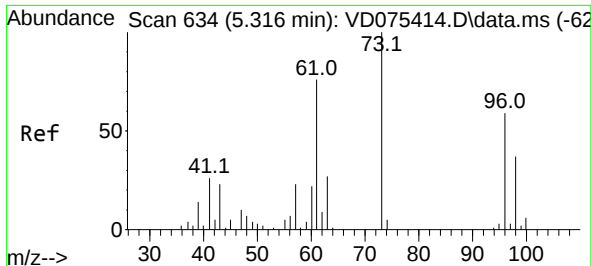
Tgt Ion: 43 Resp: 27787  
Ion Ratio Lower Upper  
43 100  
74 12.7 11.7 17.5



#16  
Methylene chloride  
Concen: 47.947 ug/L  
RT: 4.799 min Scan# 546  
Delta R.T. -0.000 min  
Lab File: VD075410.D  
Acq: 23 Feb 2023 13:01

Tgt Ion: 84 Resp: 71686  
Ion Ratio Lower Upper  
84 100  
86 61.4 41.0 76.2  
49 135.0 95.2 176.8

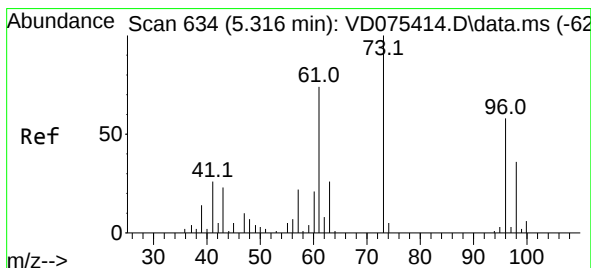
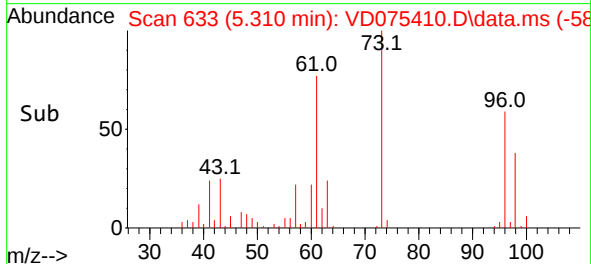
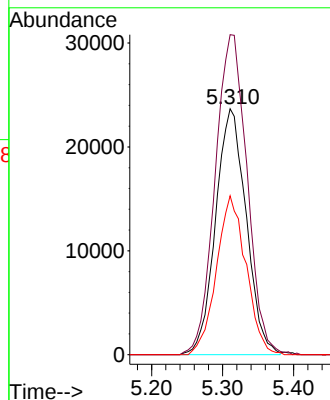
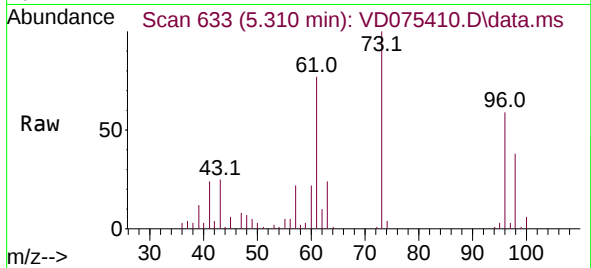




#17  
trans-1,2-Dichloroethene  
Concen: 55.692 ug/L  
RT: 5.310 min Scan# 610  
Delta R.T. -0.006 min  
Lab File: VD075410.D  
Acq: 23 Feb 2023 13:01

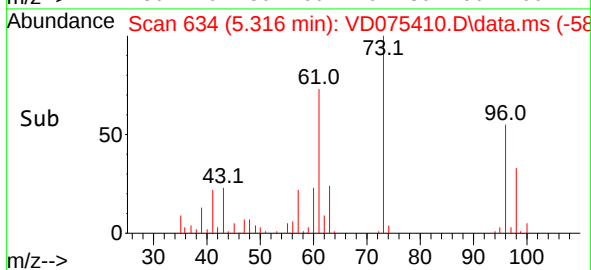
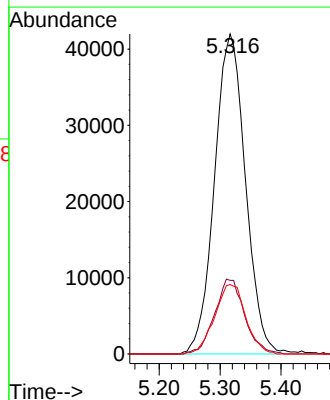
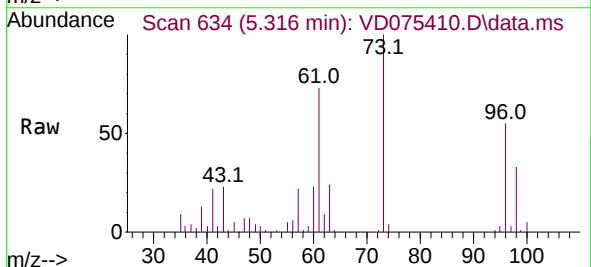
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD050104

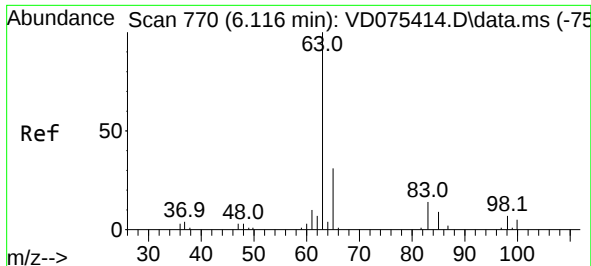
Tgt Ion: 96 Resp: 70843  
Ion Ratio Lower Upper  
96 100  
61 130.1 90.2 167.4  
98 64.6 43.7 81.1



#18  
Methyl tert-butyl Ether  
Concen: 75.143 ug/L  
RT: 5.316 min Scan# 634  
Delta R.T. -0.000 min  
Lab File: VD075410.D  
Acq: 23 Feb 2023 13:01

Tgt Ion: 73 Resp: 147994  
Ion Ratio Lower Upper  
73 100  
43 22.7 17.8 26.6  
57 21.9 18.0 27.0





#19

1,1-Dichloroethane

Concen: 58.095 ug/L

RT: 6.116 min Scan# 71

Delta R.T. -0.000 min

Lab File: VD075410.D

Acq: 23 Feb 2023 13:01

Instrument :

MSVOA\_D

ClientSampleId :

VSTD050104

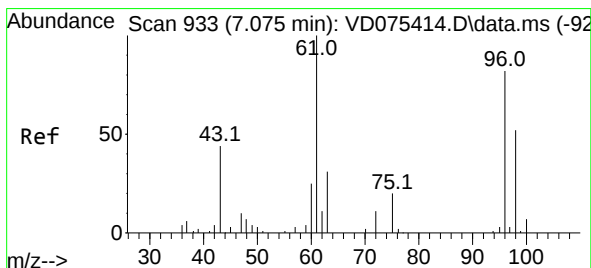
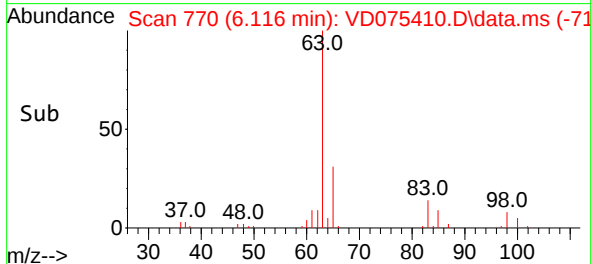
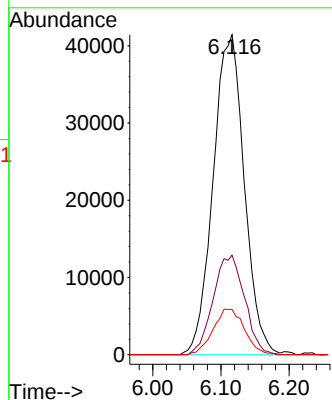
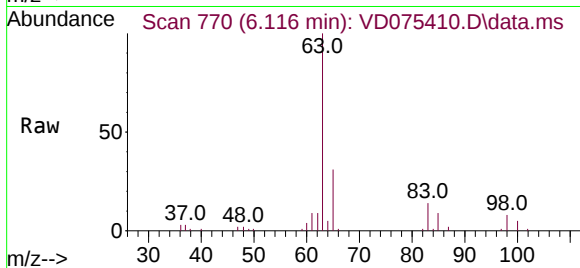
Tgt Ion: 63 Resp: 131592

Ion Ratio Lower Upper

63 100

65 31.1 21.8 40.4

83 14.2 9.9 18.5



#20

cis-1,2-Dichloroethene

Concen: 59.012 ug/L

RT: 7.081 min Scan# 934

Delta R.T. 0.006 min

Lab File: VD075410.D

Acq: 23 Feb 2023 13:01

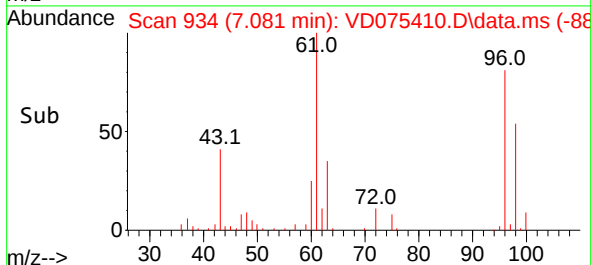
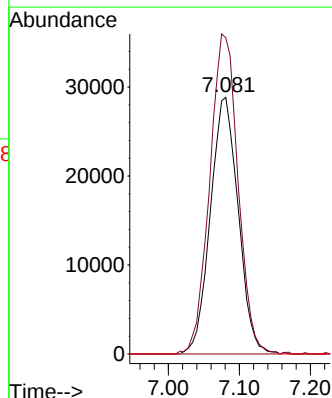
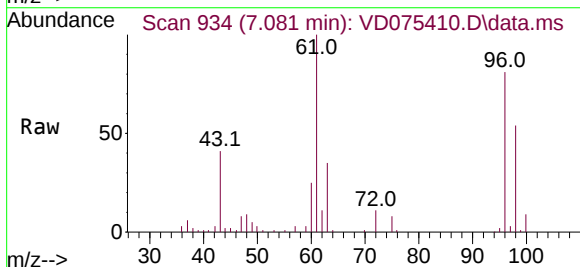
Tgt Ion: 96 Resp: 78658

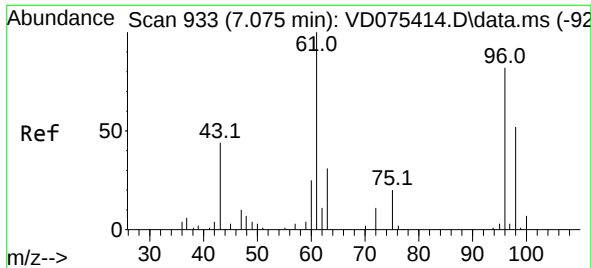
Ion Ratio Lower Upper

96 100

61 123.2 85.3 158.5

68 0.0 0.0 0.0

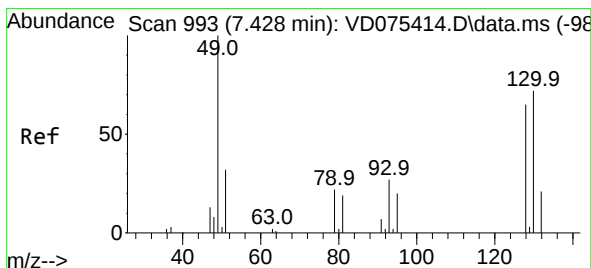
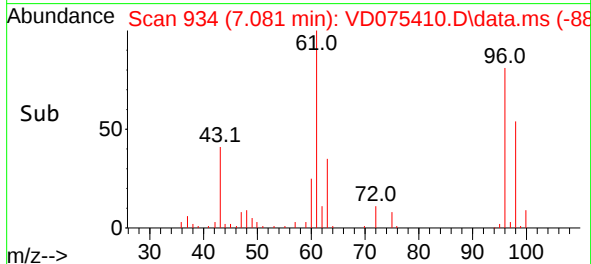
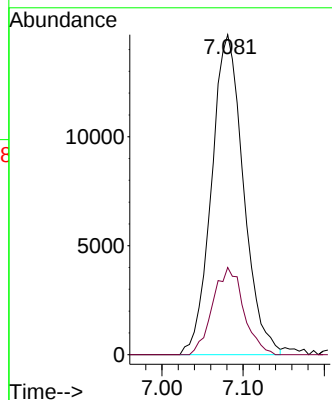
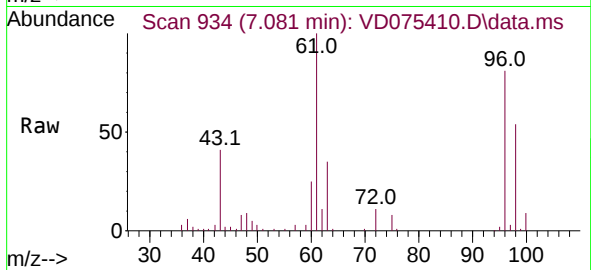




#22  
2-Butanone  
Concen: 107.978 ug/L  
RT: 7.081 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VD075410.D  
Acq: 23 Feb 2023 13:01

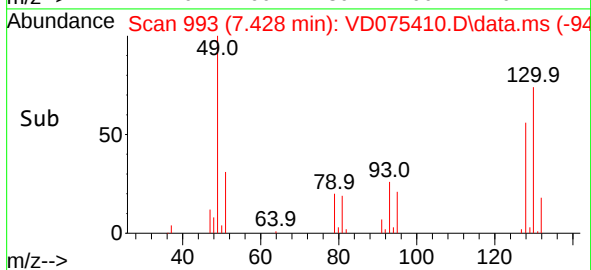
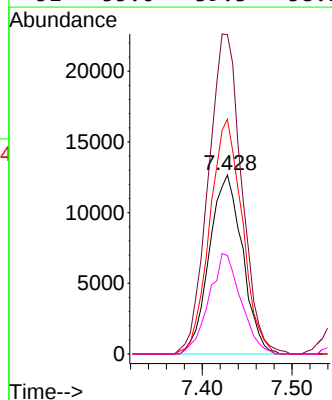
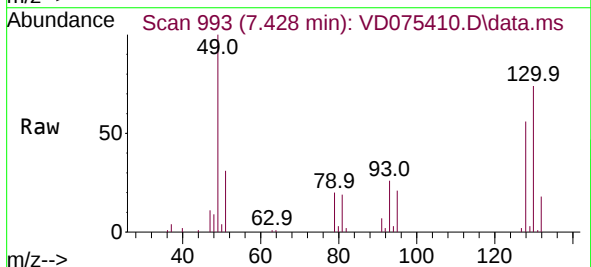
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD050104

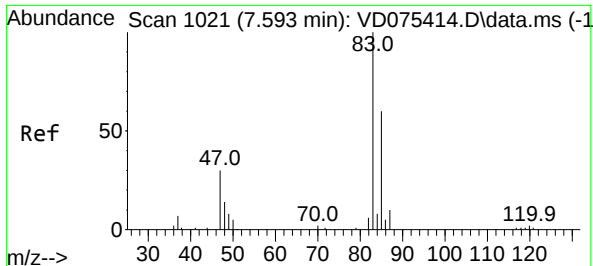
Tgt Ion: 43 Resp: 40156  
Ion Ratio Lower Upper  
43 100  
72 26.3 12.8 38.3



#23  
Bromochloromethane  
Concen: 57.527 ug/L  
RT: 7.428 min Scan# 993  
Delta R.T. -0.000 min  
Lab File: VD075410.D  
Acq: 23 Feb 2023 13:01

Tgt Ion:128 Resp: 32476  
Ion Ratio Lower Upper  
128 100  
49 178.5 108.4 201.2  
130 131.2 77.9 144.7  
51 55.0 39.3 58.9





#25

Chloroform

Concen: 60.499 ug/L

RT: 7.599 min Scan# 1021

Delta R.T. 0.006 min

Lab File: VD075410.D

Acq: 23 Feb 2023 13:01

Instrument :

MSVOA\_D

ClientSampleId :

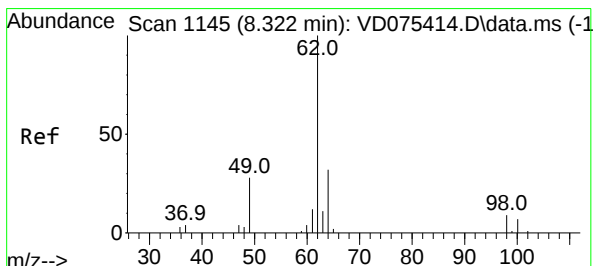
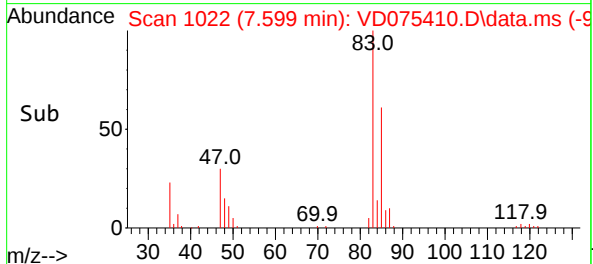
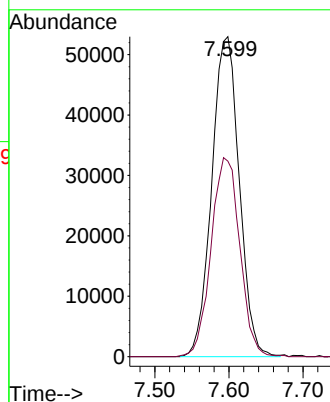
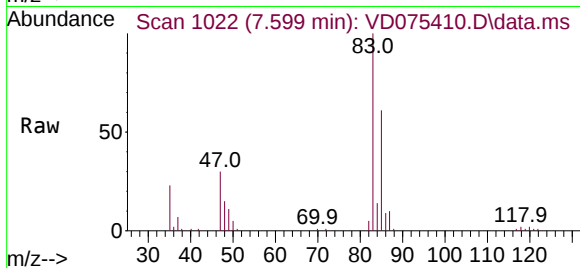
VSTD050104

Tgt Ion: 83 Resp: 136737

Ion Ratio Lower Upper

83 100

85 61.1 42.1 78.3



#27

1,2-Dichloroethane

Concen: 61.506 ug/L

RT: 8.328 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VD075410.D

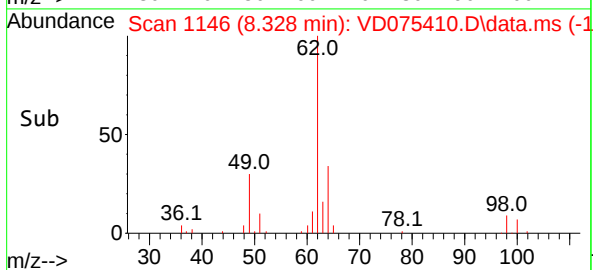
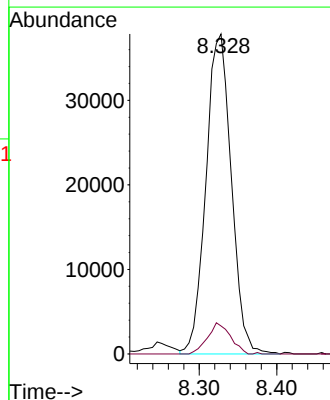
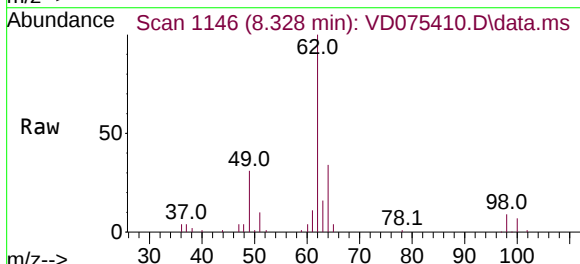
Acq: 23 Feb 2023 13:01

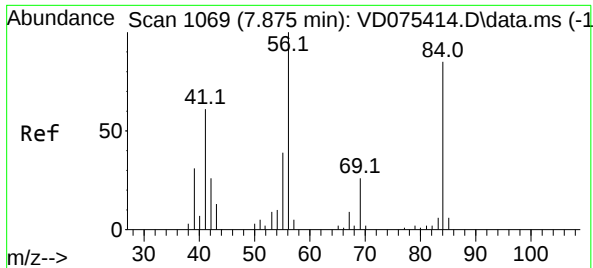
Tgt Ion: 62 Resp: 86096

Ion Ratio Lower Upper

62 100

98 8.7 6.8 10.2





#29

Cyclohexane

Concen: 49.791 ug/L

RT: 7.875 min Scan# 1069

Delta R.T. -0.000 min

Lab File: VD075410.D

Acq: 23 Feb 2023 13:01

Instrument :

MSVOA\_D

ClientSampleId :

VSTD050104

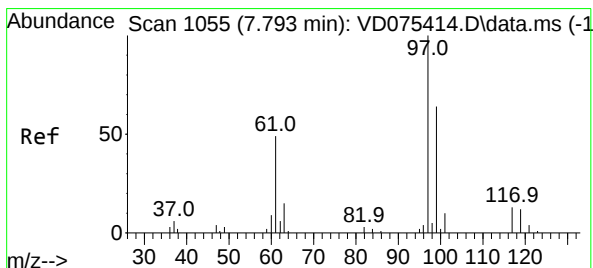
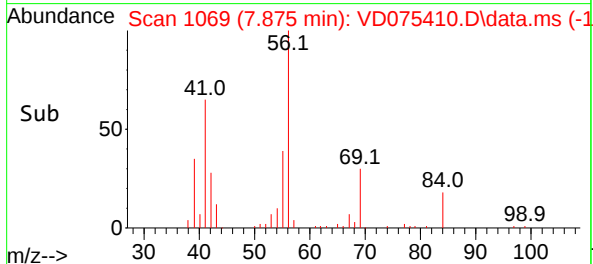
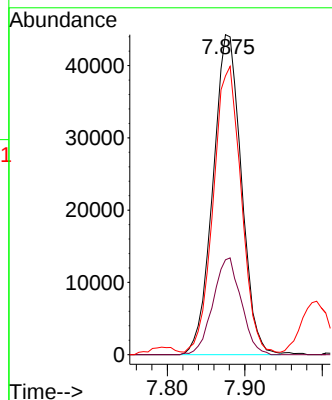
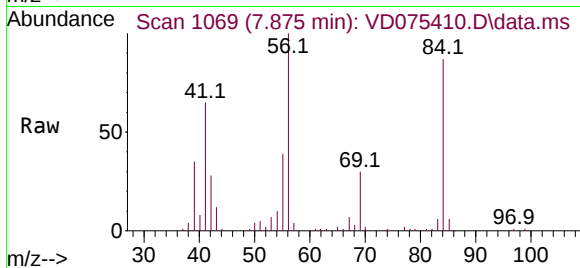
Tgt Ion: 56 Resp: 112828

Ion Ratio Lower Upper

56 100

69 29.9 23.2 34.8

84 89.2 70.1 105.1



#30

1,1,1-Trichloroethane

Concen: 61.040 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VD075410.D

Acq: 23 Feb 2023 13:01

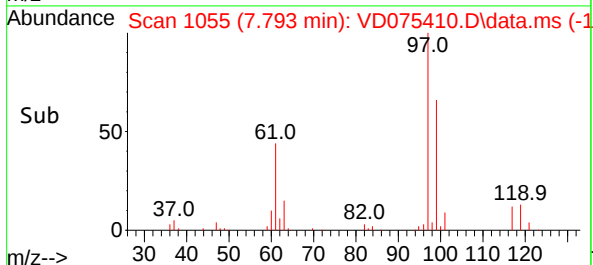
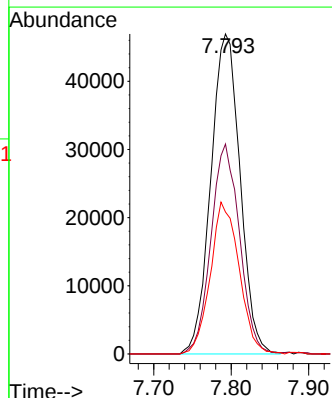
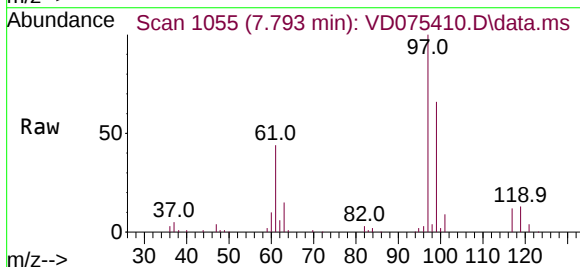
Tgt Ion: 97 Resp: 123326

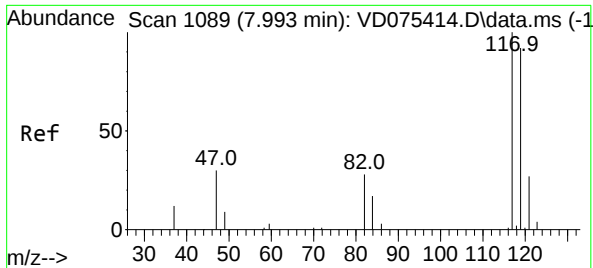
Ion Ratio Lower Upper

97 100

99 63.9 52.6 78.8

61 46.7 37.8 56.8

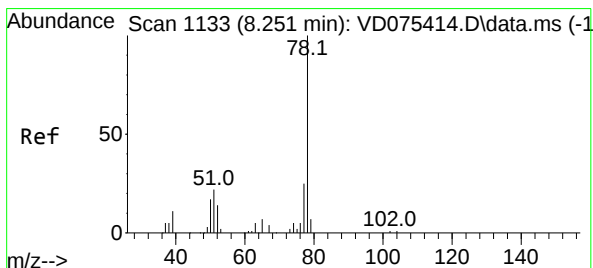
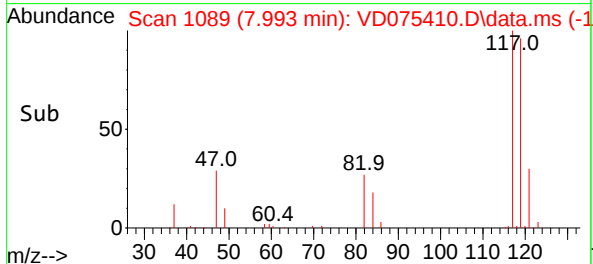
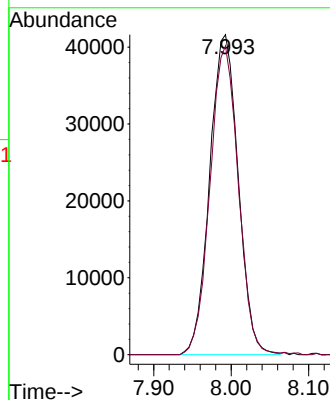
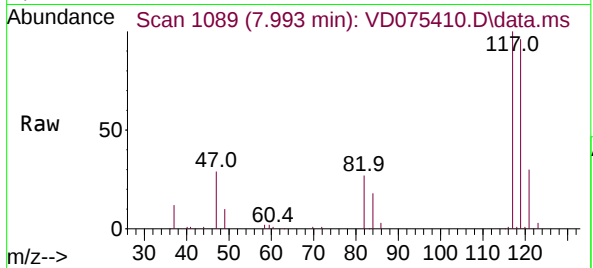




#31  
Carbon tetrachloride  
Concen: 58.250 ug/L  
RT: 7.993 min Scan# 1089  
Delta R.T. -0.000 min  
Lab File: VD075410.D  
Acq: 23 Feb 2023 13:01

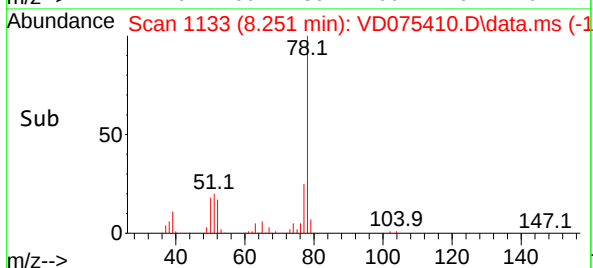
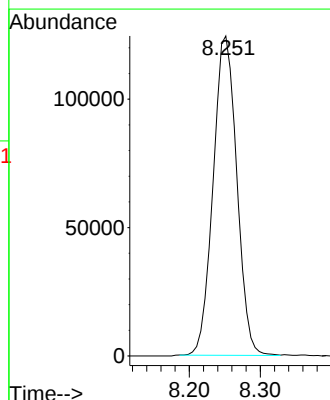
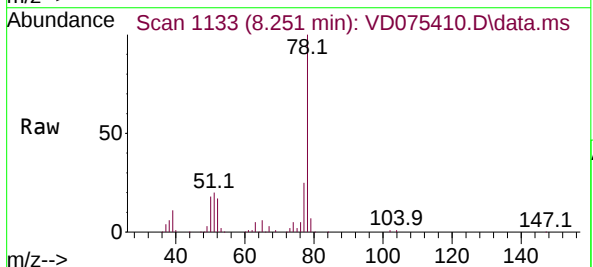
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD050104

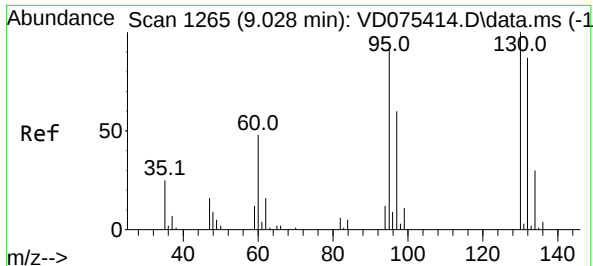
Tgt Ion:117 Resp: 106286  
Ion Ratio Lower Upper  
117 100  
119 95.7 76.2 114.2



#33  
Benzene  
Concen: 54.133 ug/L  
RT: 8.251 min Scan# 1133  
Delta R.T. -0.000 min  
Lab File: VD075410.D  
Acq: 23 Feb 2023 13:01

Tgt Ion: 78 Resp: 287371

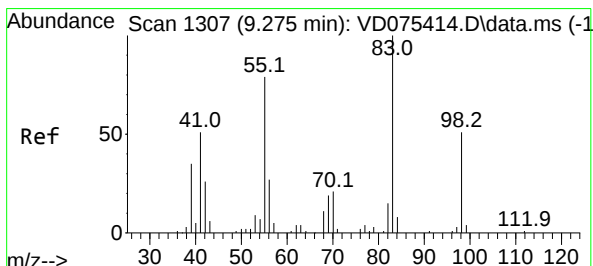
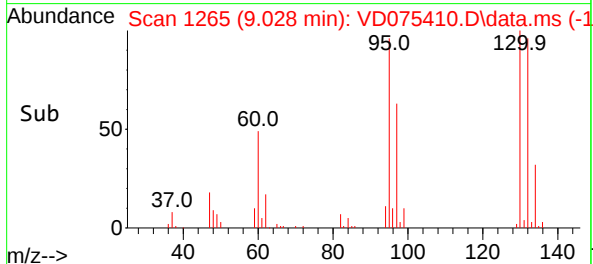
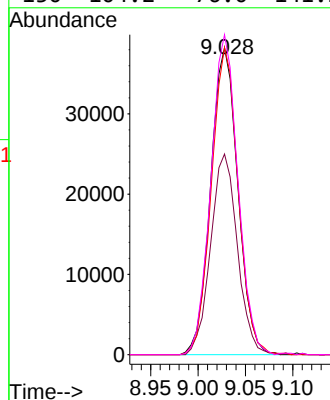
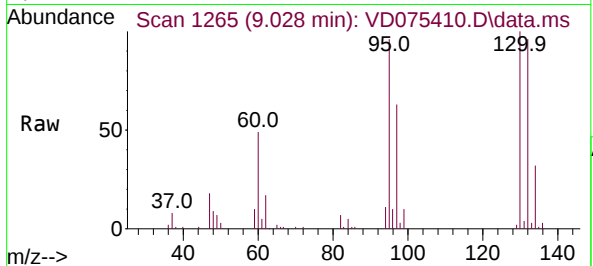




#34  
Trichloroethene  
Concen: 54.994 ug/L  
RT: 9.028 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD075410.D  
Acq: 23 Feb 2023 13:01

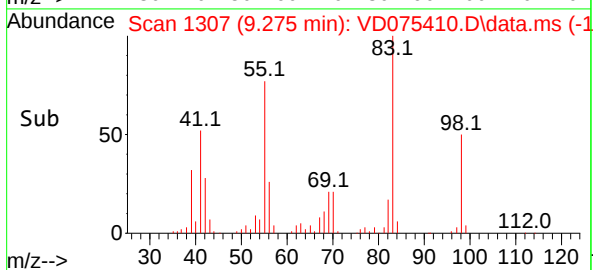
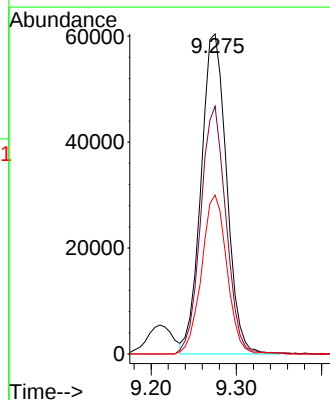
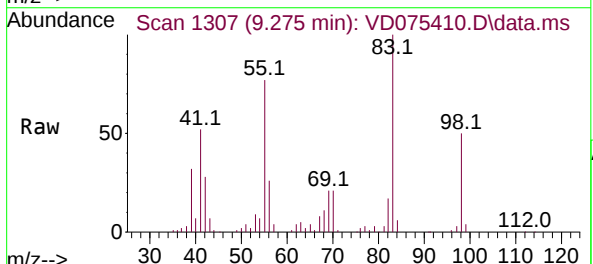
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD050104

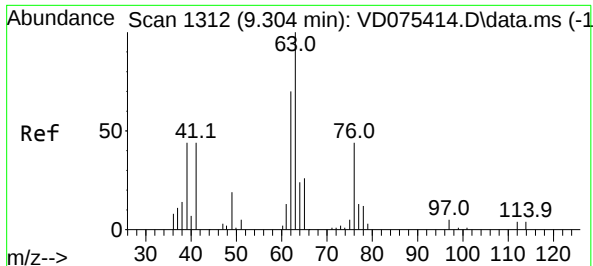
Tgt Ion: 95 Resp: 76373  
Ion Ratio Lower Upper  
95 100  
97 65.3 45.4 84.4  
132 100.0 65.9 122.3  
130 104.2 76.0 141.2



#35  
Methylcyclohexane  
Concen: 50.926 ug/L  
RT: 9.275 min Scan# 1307  
Delta R.T. -0.000 min  
Lab File: VD075410.D  
Acq: 23 Feb 2023 13:01

Tgt Ion: 83 Resp: 125810  
Ion Ratio Lower Upper  
83 100  
55 76.2 60.6 90.8  
98 49.0 39.6 59.4





#37

1,2-Dichloropropane

Concen: 56.904 ug/L

RT: 9.304 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD075410.D

Acq: 23 Feb 2023 13:01

Instrument :

MSVOA\_D

ClientSampleId :

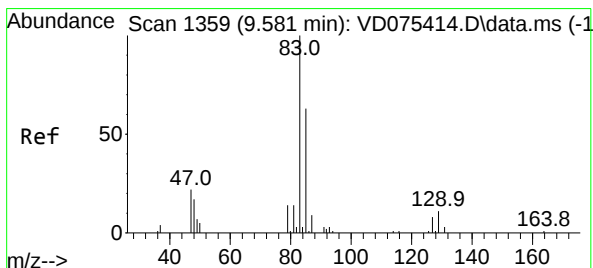
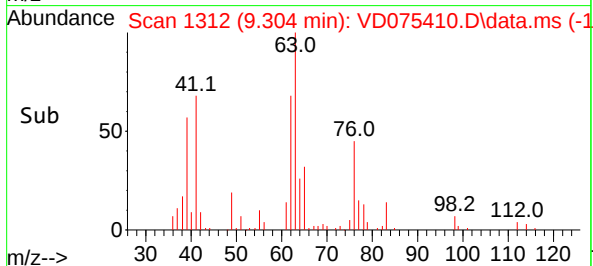
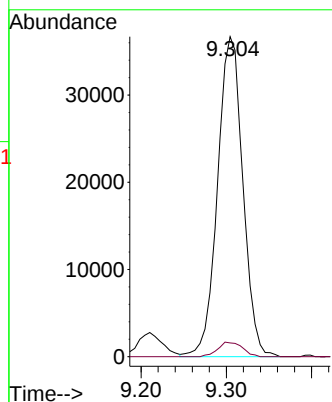
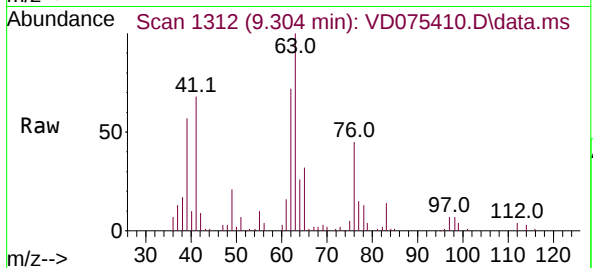
VSTD050104

Tgt Ion: 63 Resp: 75697

Ion Ratio Lower Upper

63 100

112 4.4 3.5 5.3



#38

Bromodichloromethane

Concen: 58.280 ug/L

RT: 9.587 min Scan# 1360

Delta R.T. 0.006 min

Lab File: VD075410.D

Acq: 23 Feb 2023 13:01

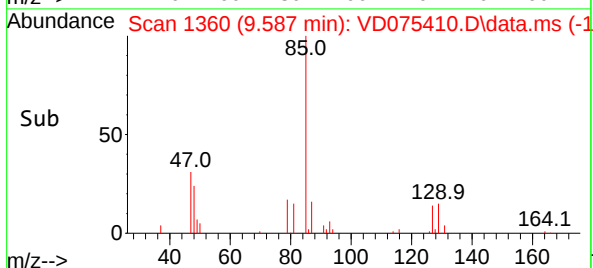
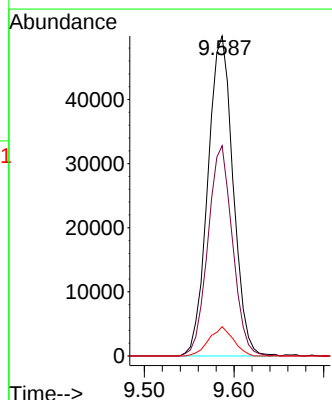
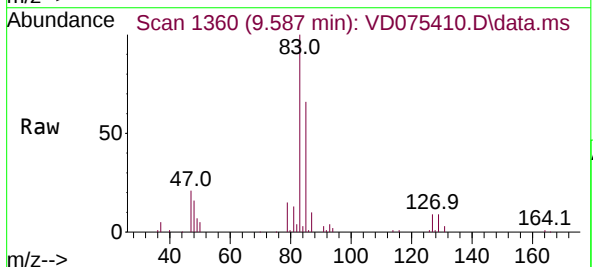
Tgt Ion: 83 Resp: 97460

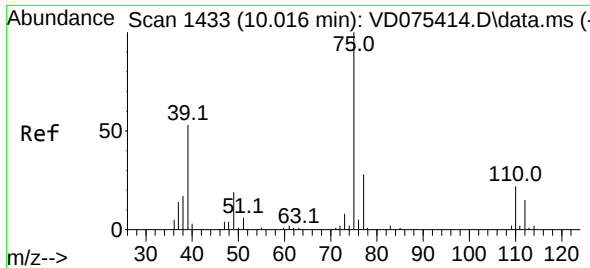
Ion Ratio Lower Upper

83 100

85 65.7 43.9 81.5

127 9.2 6.3 9.5

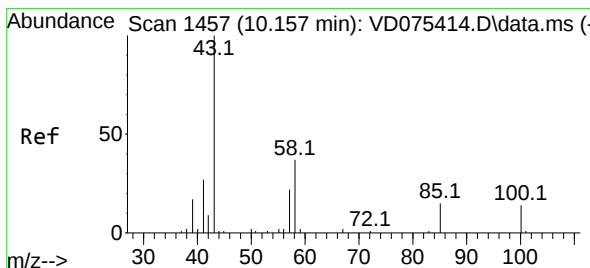
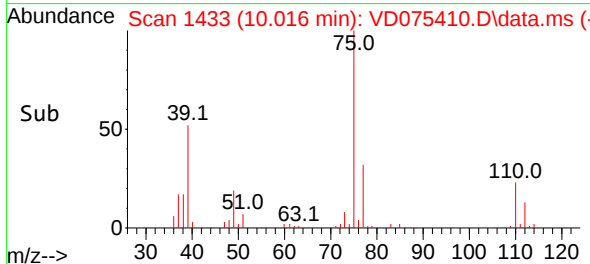
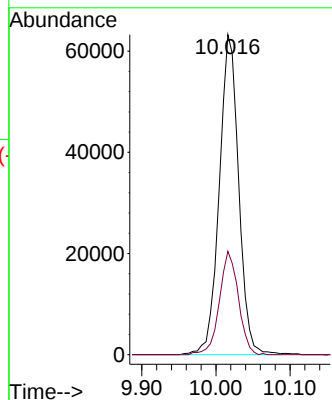
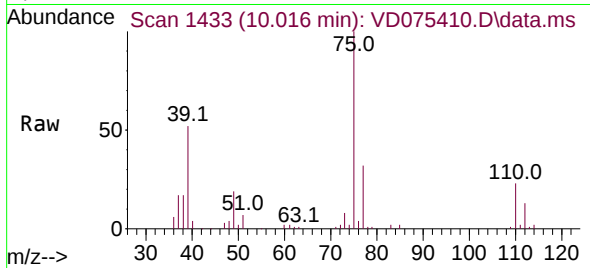




#39  
 cis-1,3-Dichloropropene  
 Concen: 57.411 ug/L  
 RT: 10.016 min Scan# 1433  
 Delta R.T. -0.000 min  
 Lab File: VD075410.D  
 Acq: 23 Feb 2023 13:01

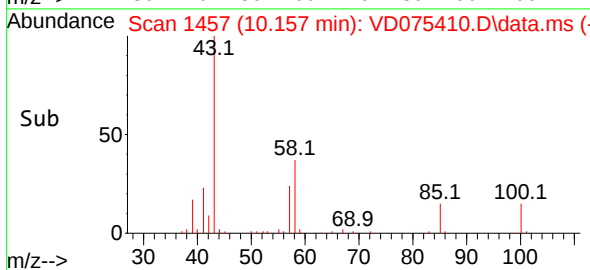
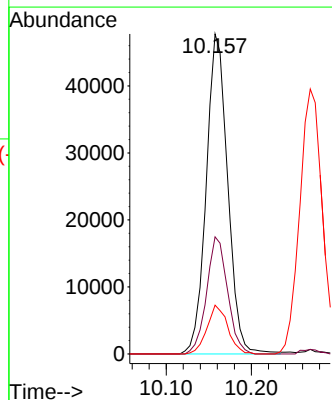
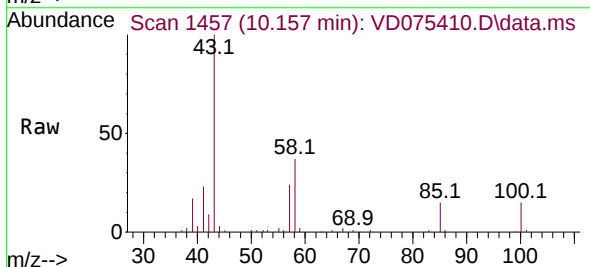
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD050104

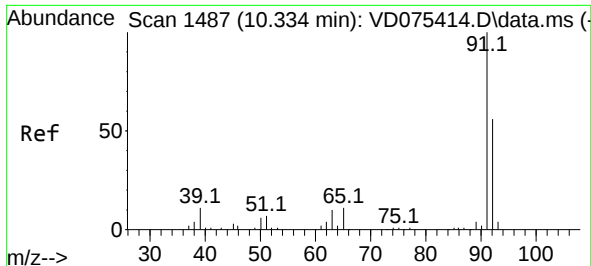
Tgt Ion: 75 Resp: 115134  
 Ion Ratio Lower Upper  
 75 100  
 77 32.3 19.3 35.9



#40  
 4-Methyl-2-pentanone  
 Concen: 118.672 ug/L  
 RT: 10.157 min Scan# 1457  
 Delta R.T. -0.000 min  
 Lab File: VD075410.D  
 Acq: 23 Feb 2023 13:01

Tgt Ion: 43 Resp: 83617  
 Ion Ratio Lower Upper  
 43 100  
 58 35.6 29.5 44.3  
 100 14.8 11.4 17.2





#42

Toluene

Concen: 57.284 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. -0.000 min

Lab File: VD075410.D

Acq: 23 Feb 2023 13:01

Instrument :

MSVOA\_D

ClientSampleId :

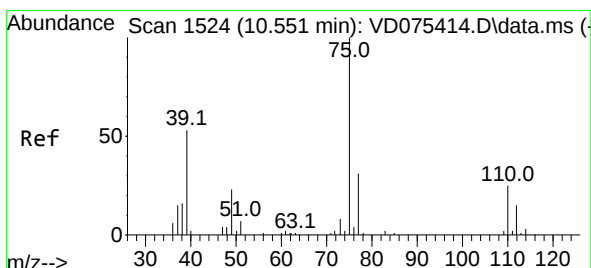
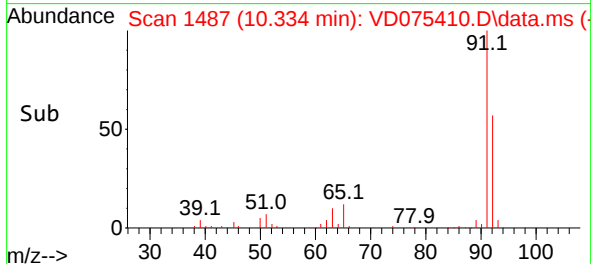
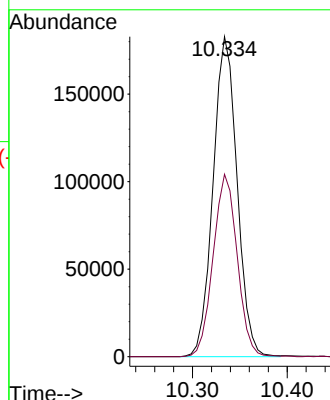
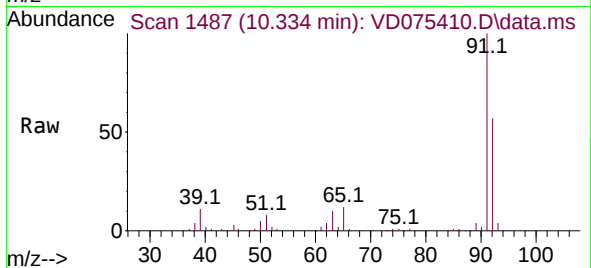
VSTD050104

Tgt Ion: 91 Resp: 322170

Ion Ratio Lower Upper

91 100

92 57.0 39.3 73.1



#44

trans-1,3-Dichloropropene

Concen: 56.023 ug/L

RT: 10.551 min Scan# 1524

Delta R.T. -0.000 min

Lab File: VD075410.D

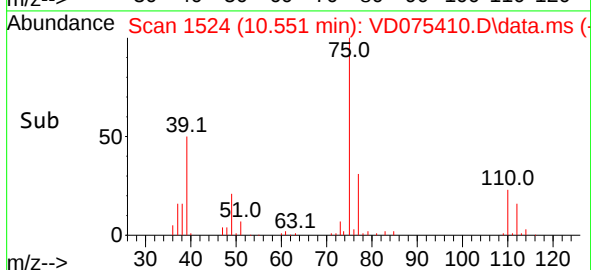
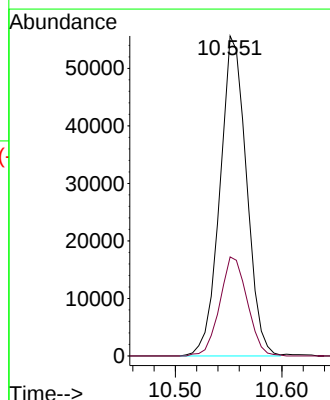
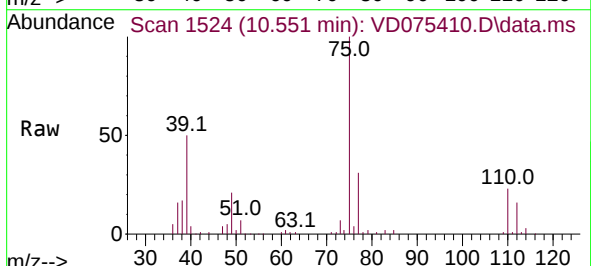
Acq: 23 Feb 2023 13:01

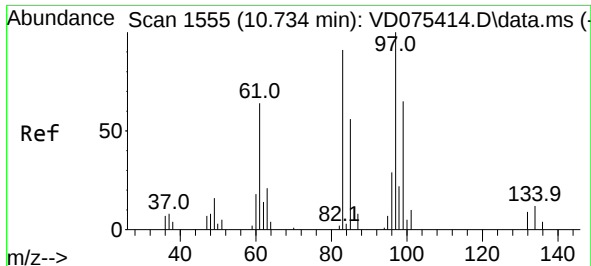
Tgt Ion: 75 Resp: 96113

Ion Ratio Lower Upper

75 100

77 30.9 21.4 39.8

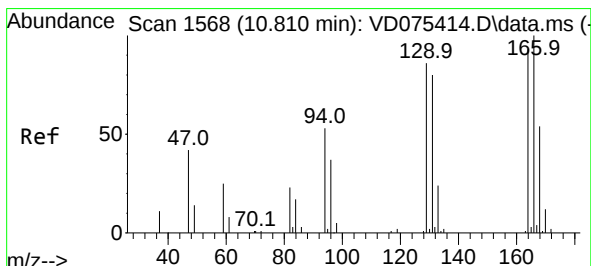
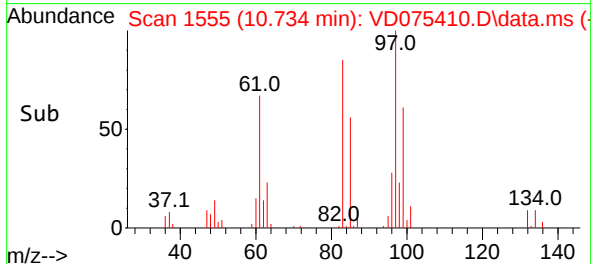
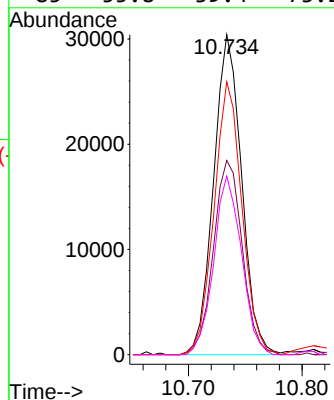
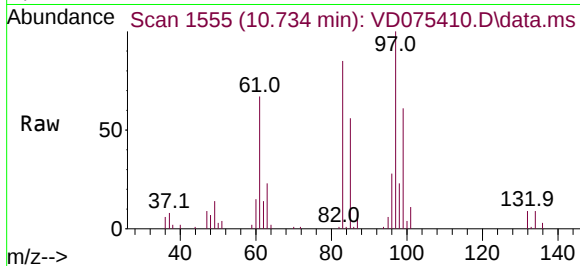




#45  
1,1,2-Trichloroethane  
Concen: 56.401 ug/L  
RT: 10.734 min Scan# 1555  
Delta R.T. -0.000 min  
Lab File: VD075410.D  
Acq: 23 Feb 2023 13:01

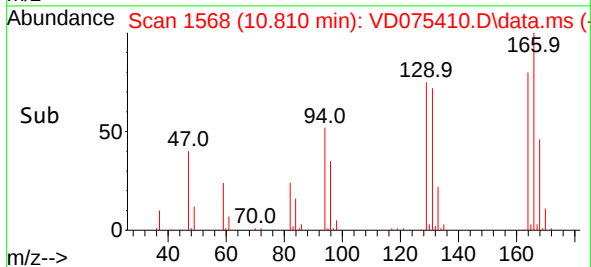
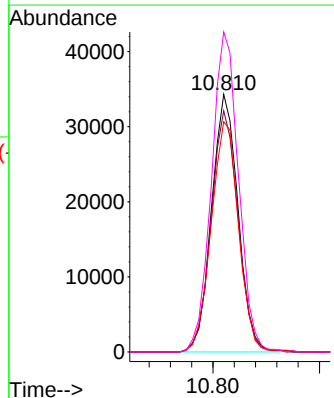
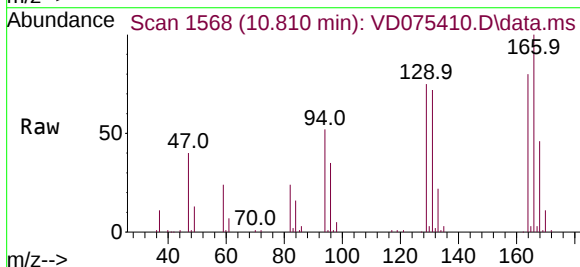
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD050104

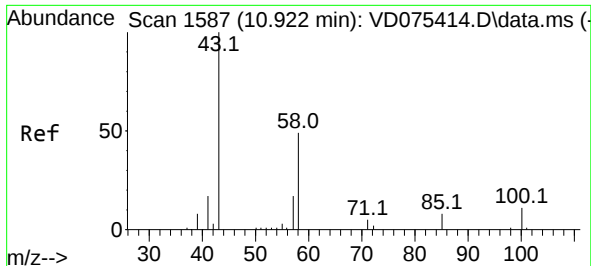
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 52132 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 60.7     | 45.4 84.2   |
| 83 85.3     | 63.8 118.6  |
| 85 55.8     | 39.4 73.2   |



#46  
Tetrachloroethene  
Concen: 56.398 ug/L  
RT: 10.810 min Scan# 1568  
Delta R.T. -0.000 min  
Lab File: VD075410.D  
Acq: 23 Feb 2023 13:01

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:164 | Resp: | 59184 |
| Ion | Ratio   | Lower | Upper |
| 164 | 100     |       |       |
| 129 | 93.6    | 64.8  | 120.4 |
| 131 | 89.4    | 60.1  | 111.5 |
| 166 | 124.3   | 75.7  | 140.5 |



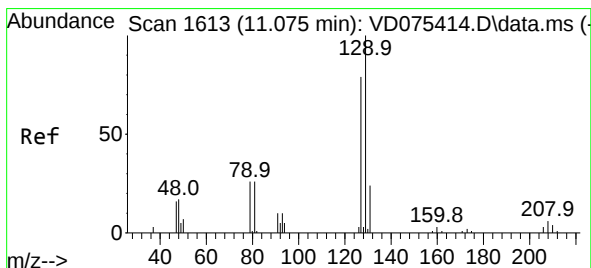
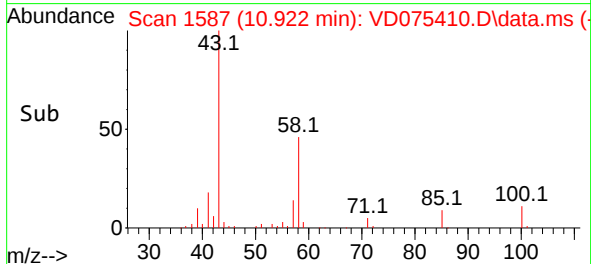
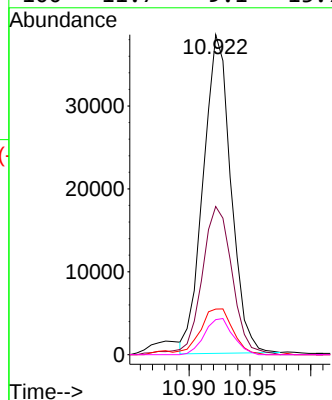
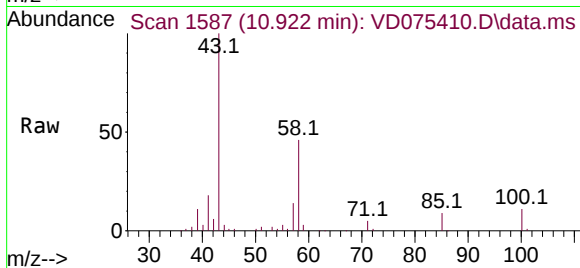


#48  
2-Hexanone  
Concen: 113.051 ug/L  
RT: 10.922 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VD075410.D  
Acq: 23 Feb 2023 13:01

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD050104

Tgt Ion: 43 Resp: 60683

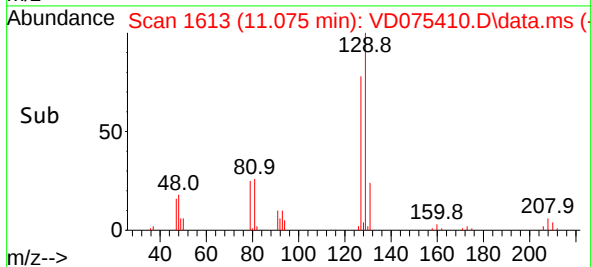
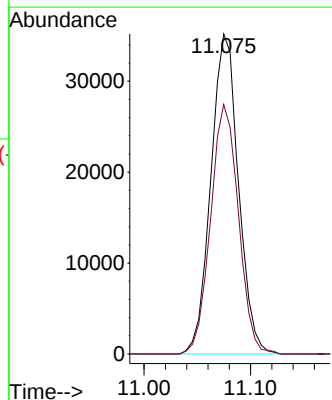
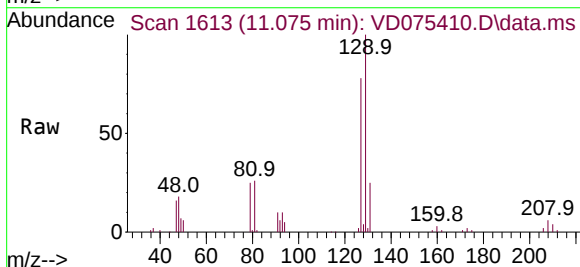
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 51.0  | 40.3  | 60.5  |
| 57  | 16.9  | 13.4  | 20.0  |
| 100 | 11.7  | 9.1   | 13.7  |

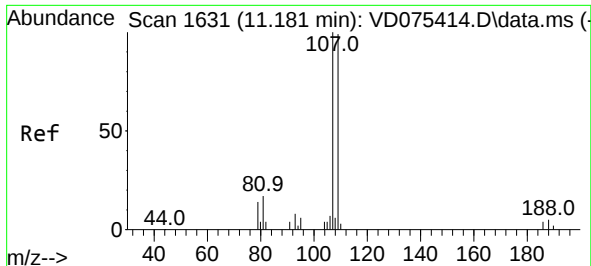


#49  
Dibromochloromethane  
Concen: 58.464 ug/L  
RT: 11.075 min Scan# 1613  
Delta R.T. -0.000 min  
Lab File: VD075410.D  
Acq: 23 Feb 2023 13:01

Tgt Ion: 129 Resp: 63187

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 77.9  | 55.3  | 102.7 |

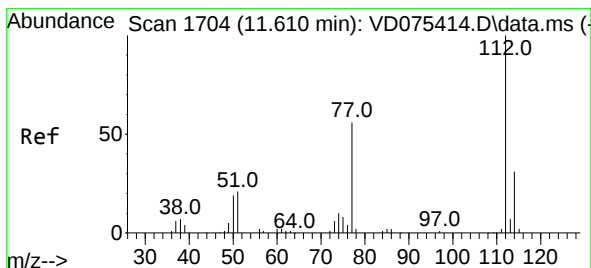
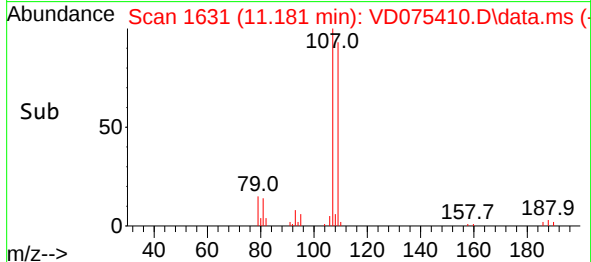
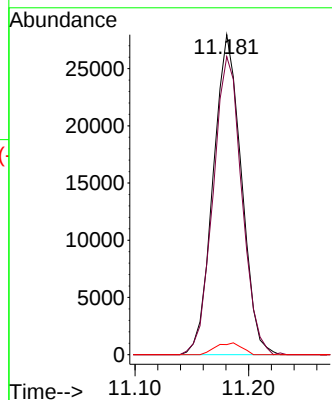
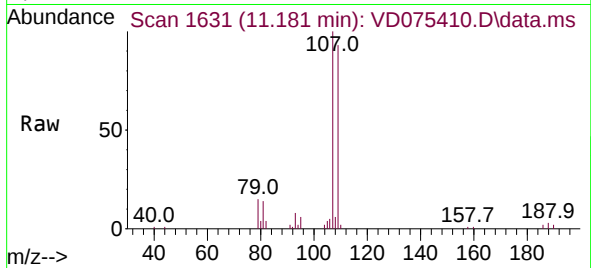




#50  
1,2-Dibromoethane  
Concen: 55.728 ug/L  
RT: 11.181 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VD075410.D  
Acq: 23 Feb 2023 13:01

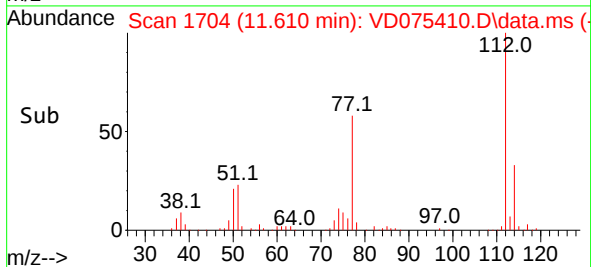
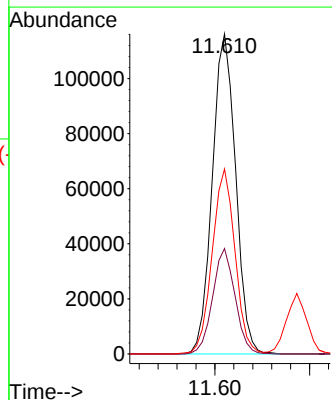
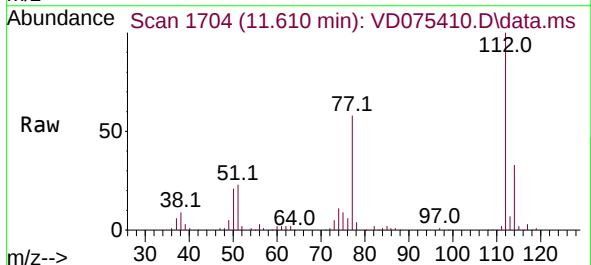
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD050104

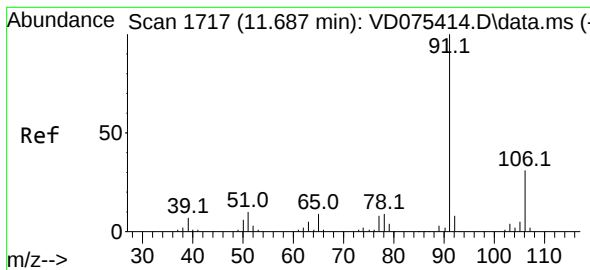
Tgt Ion:107 Resp: 48243  
Ion Ratio Lower Upper  
107 100  
109 93.2 69.6 129.2  
188 3.1 3.8 5.6#



#51  
Chlorobenzene  
Concen: 56.391 ug/L  
RT: 11.610 min Scan# 1704  
Delta R.T. -0.000 min  
Lab File: VD075410.D  
Acq: 23 Feb 2023 13:01

Tgt Ion:112 Resp: 198765  
Ion Ratio Lower Upper  
112 100  
114 32.9 21.4 39.8  
77 57.8 45.1 67.7

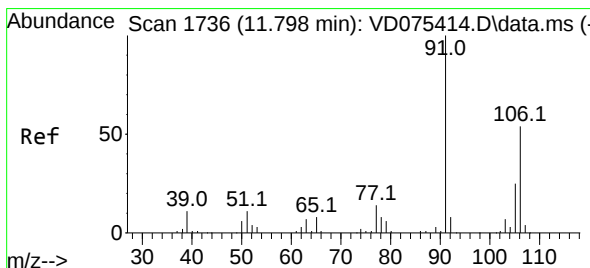
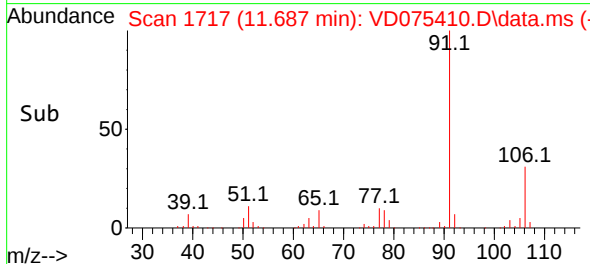
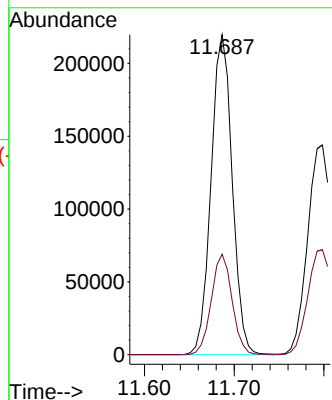
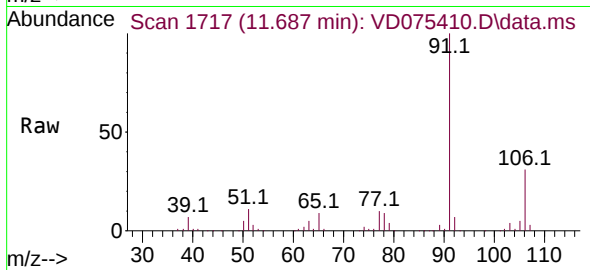




#52  
Ethylbenzene  
Concen: 57.526 ug/L  
RT: 11.687 min Scan# 1717  
Delta R.T. -0.000 min  
Lab File: VD075410.D  
Acq: 23 Feb 2023 13:01

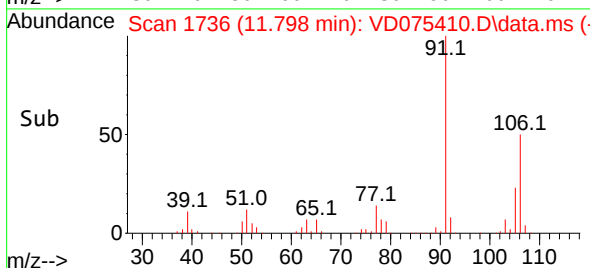
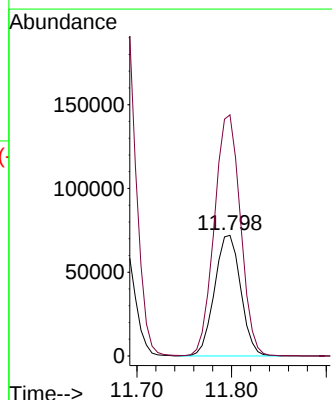
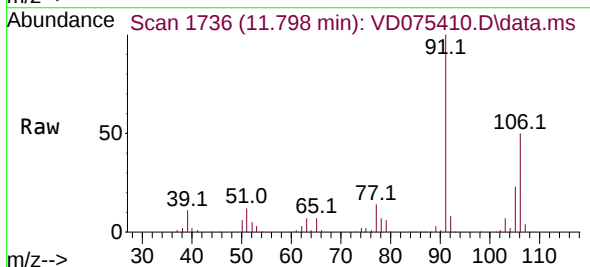
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD050104

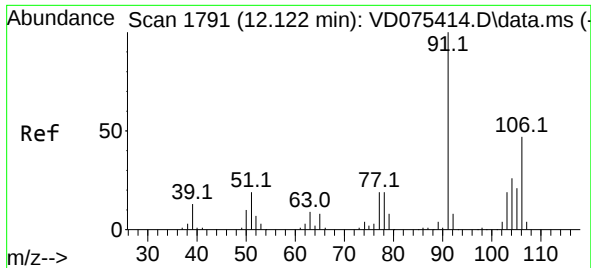
Tgt Ion: 91 Resp: 360240  
Ion Ratio Lower Upper  
91 100  
106 31.4 21.8 40.6



#53  
m,p-Xylene  
Concen: 57.328 ug/L  
RT: 11.798 min Scan# 1736  
Delta R.T. -0.000 min  
Lab File: VD075410.D  
Acq: 23 Feb 2023 13:01

Tgt Ion:106 Resp: 138289  
Ion Ratio Lower Upper  
106 100  
91 199.8 131.2 243.6

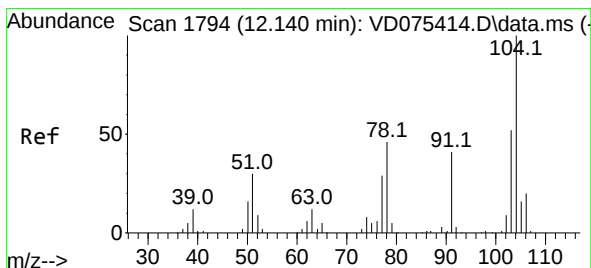
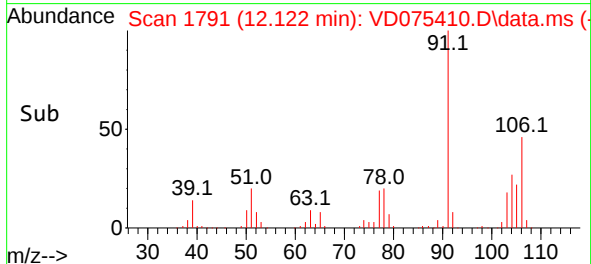
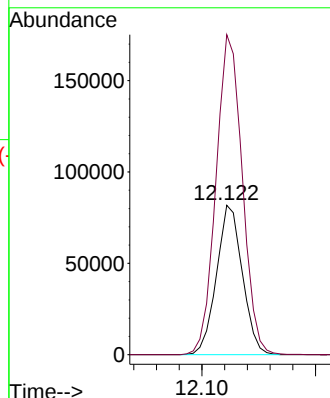
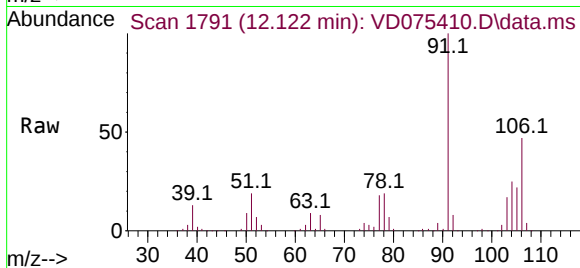




#54  
o-Xylene  
Concen: 58.012 ug/L  
RT: 12.122 min Scan# 1791  
Delta R.T. -0.000 min  
Lab File: VD075410.D  
Acq: 23 Feb 2023 13:01

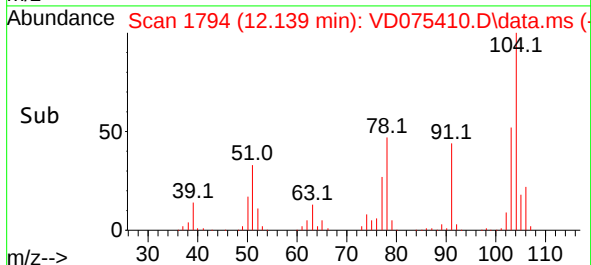
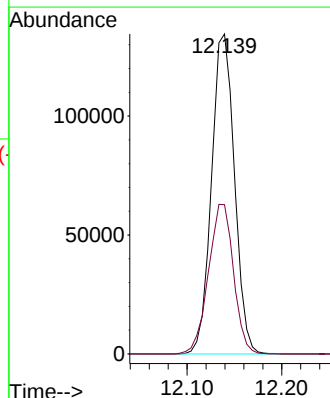
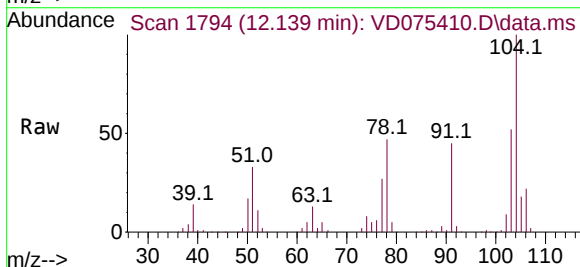
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD050104

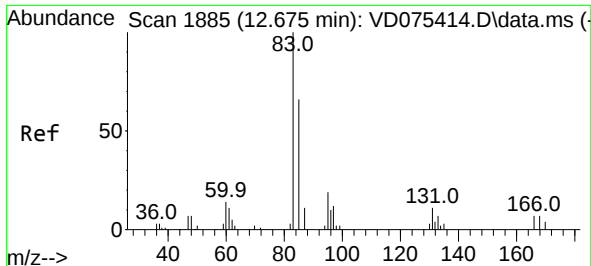
Tgt Ion:106 Resp: 129254  
Ion Ratio Lower Upper  
106 100  
91 214.1 147.7 274.3



#55  
Styrene  
Concen: 59.731 ug/L  
RT: 12.139 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VD075410.D  
Acq: 23 Feb 2023 13:01

Tgt Ion:104 Resp: 226598  
Ion Ratio Lower Upper  
104 100  
78 46.6 32.5 60.3

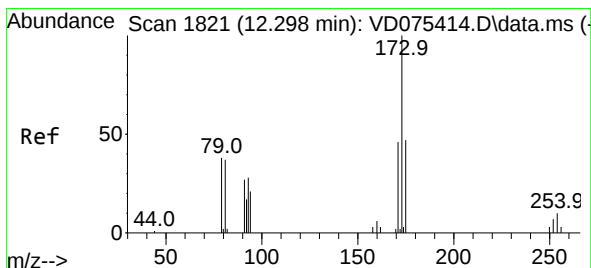
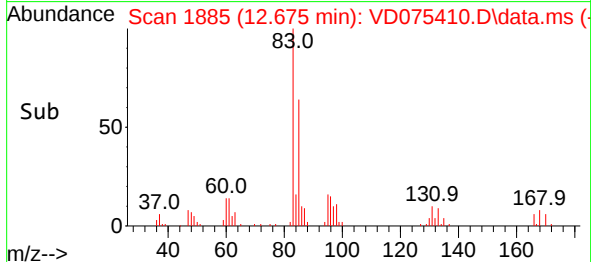
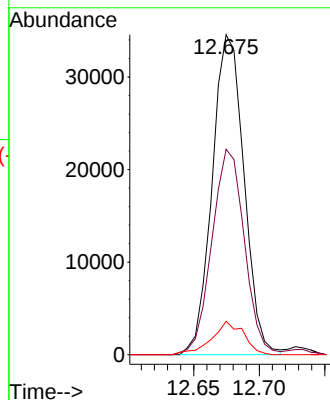
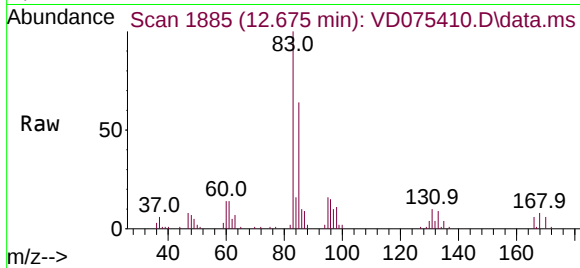




#57  
1,1,2,2-Tetrachloroethane  
Concen: 56.670 ug/L  
RT: 12.675 min Scan# 1885  
Delta R.T. -0.000 min  
Lab File: VD075410.D  
Acq: 23 Feb 2023 13:01

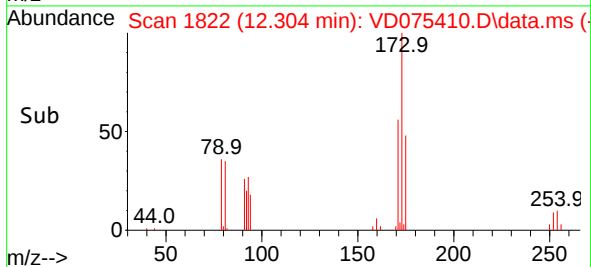
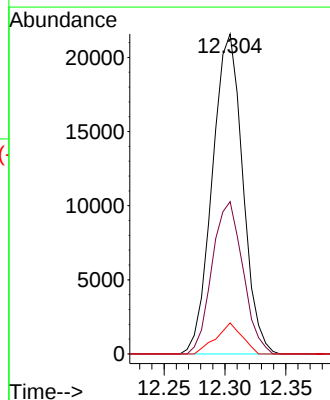
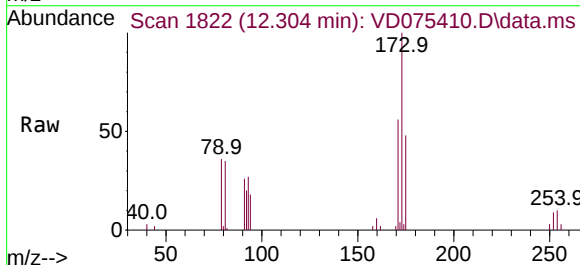
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD050104

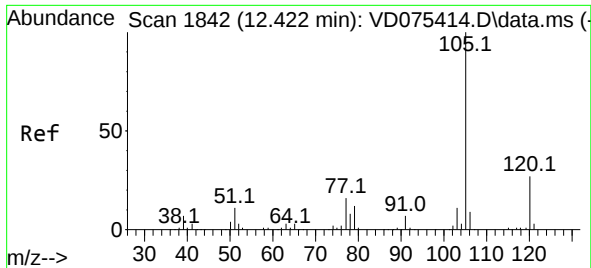
Tgt Ion: 83 Resp: 58295  
Ion Ratio Lower Upper  
83 100  
85 64.2 45.9 85.3  
131 10.4 9.0 13.6



#59  
Bromoform  
Concen: 60.252 ug/L  
RT: 12.304 min Scan# 1822  
Delta R.T. 0.006 min  
Lab File: VD075410.D  
Acq: 23 Feb 2023 13:01

Tgt Ion: 173 Resp: 37530  
Ion Ratio Lower Upper  
173 100  
175 48.2 37.7 56.5  
254 8.3 7.0 10.4

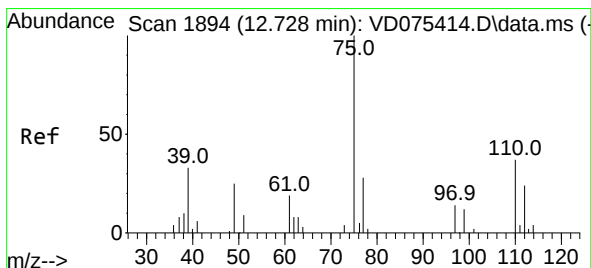
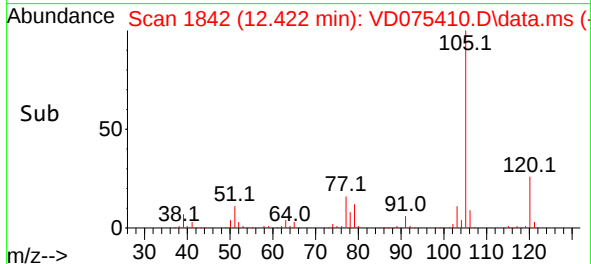
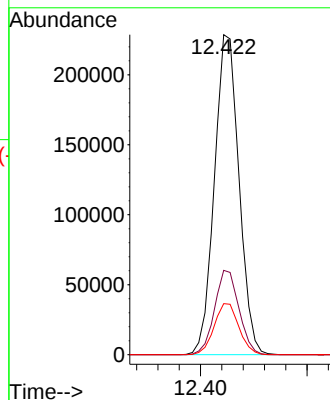
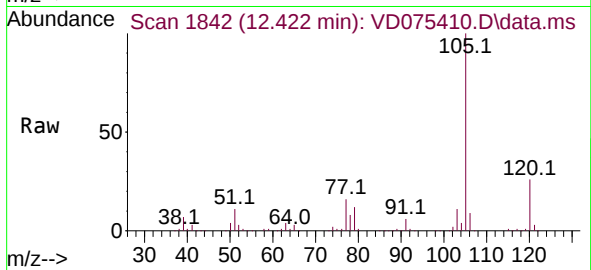




#60  
Isopropylbenzene  
Concen: 54.062 ug/L  
RT: 12.422 min Scan# 1842  
Delta R.T. -0.000 min  
Lab File: VD075410.D  
Acq: 23 Feb 2023 13:01

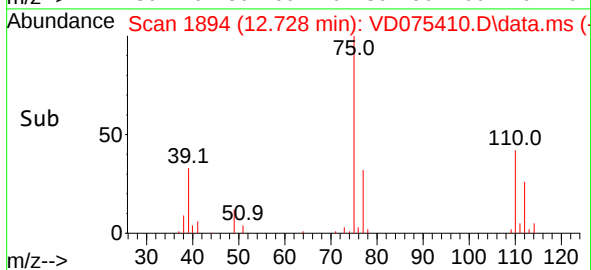
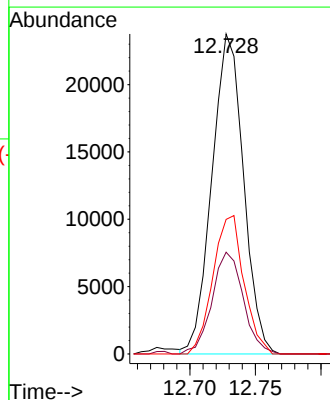
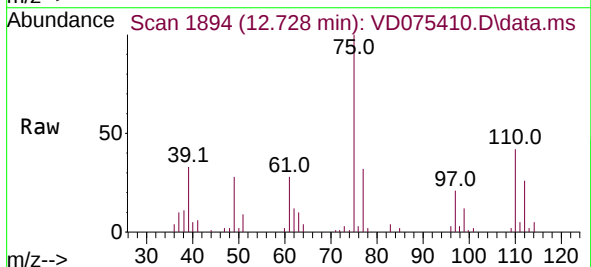
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD050104

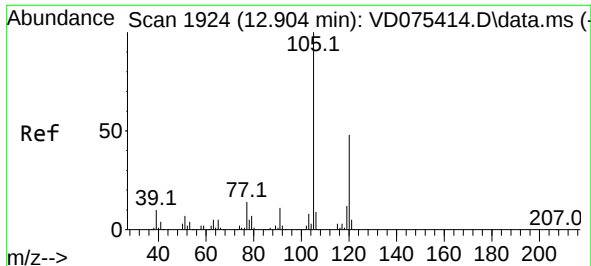
Tgt Ion:105 Resp: 365740  
Ion Ratio Lower Upper  
105 100  
120 26.1 20.8 31.2  
77 16.1 12.9 19.3



#61  
1,2,3-Trichloropropane  
Concen: 48.144 ug/L  
RT: 12.728 min Scan# 1894  
Delta R.T. -0.000 min  
Lab File: VD075410.D  
Acq: 23 Feb 2023 13:01

Tgt Ion: 75 Resp: 39805  
Ion Ratio Lower Upper  
75 100  
77 31.3 24.6 36.8  
110 42.4 32.4 48.6





#62

1,3,5-Trimethylbenzene

Concen: 51.889 ug/L

RT: 12.910 min Scan# 1925

Delta R.T. 0.006 min

Lab File: VD075410.D

Acq: 23 Feb 2023 13:01

Instrument :

MSVOA\_D

ClientSampleId :

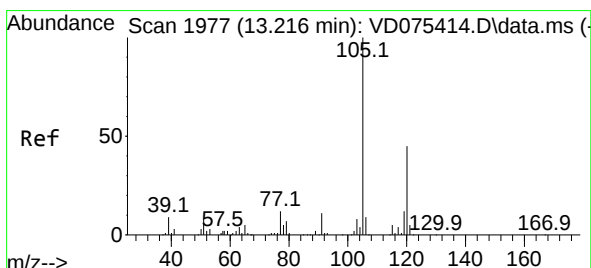
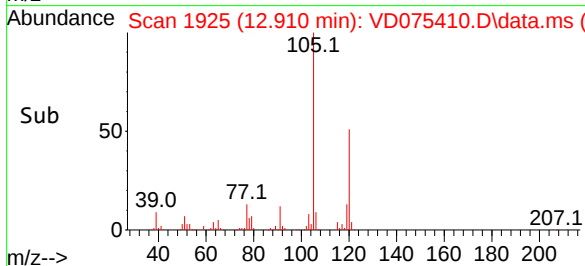
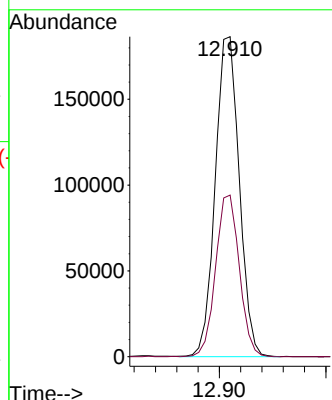
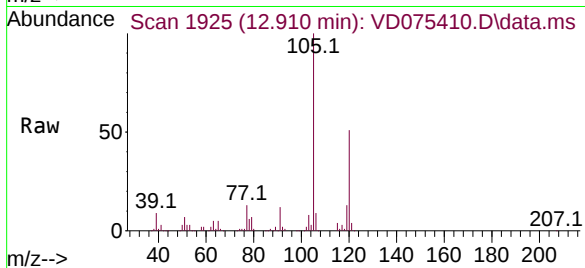
VSTD050104

Tgt Ion:105 Resp: 291568

Ion Ratio Lower Upper

105 100

120 49.8 38.6 57.8



#63

1,2,4-Trimethylbenzene

Concen: 52.207 ug/L

RT: 13.216 min Scan# 1977

Delta R.T. -0.000 min

Lab File: VD075410.D

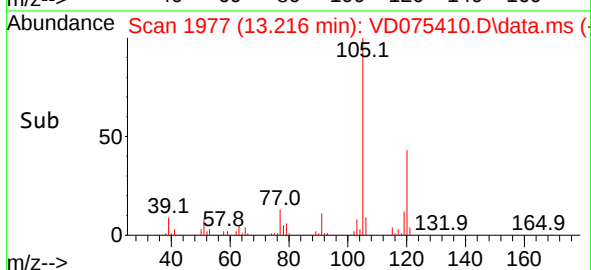
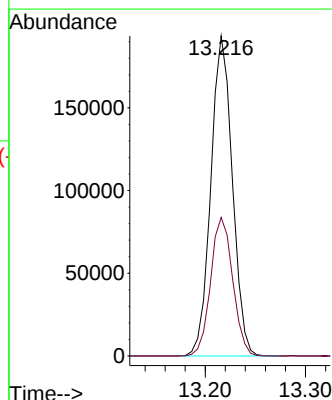
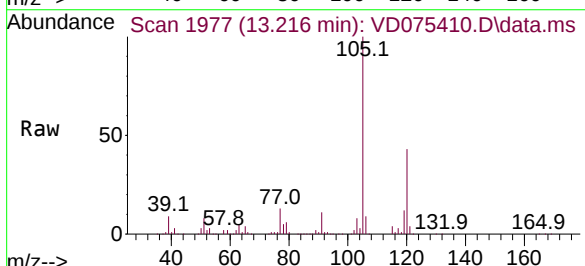
Acq: 23 Feb 2023 13:01

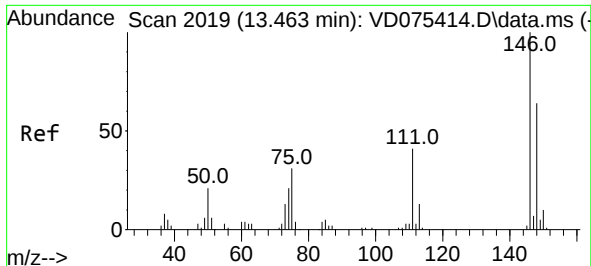
Tgt Ion:105 Resp: 288622

Ion Ratio Lower Upper

105 100

120 44.4 36.3 54.5

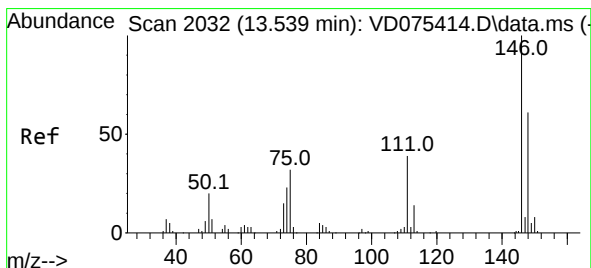
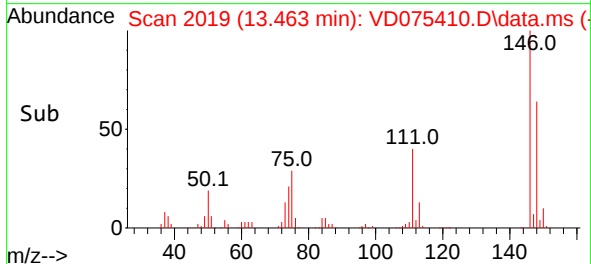
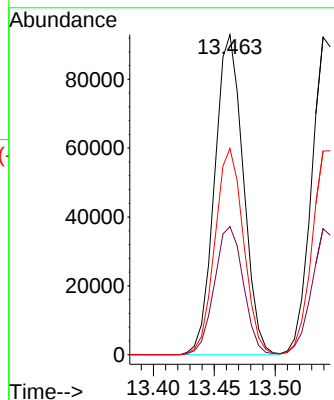
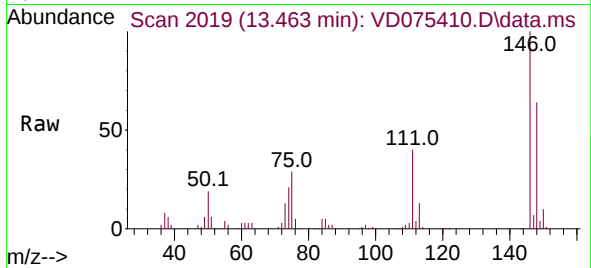




#64  
1,3-Dichlorobenzene  
Concen: 54.739 ug/L  
RT: 13.463 min Scan# 2019  
Delta R.T. -0.000 min  
Lab File: VD075410.D  
Acq: 23 Feb 2023 13:01

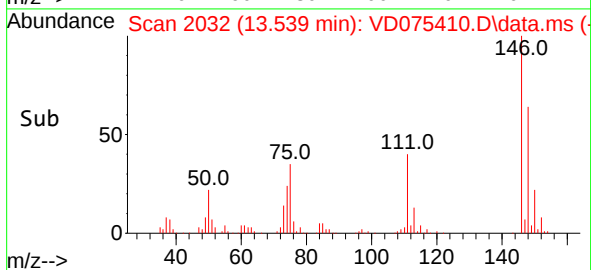
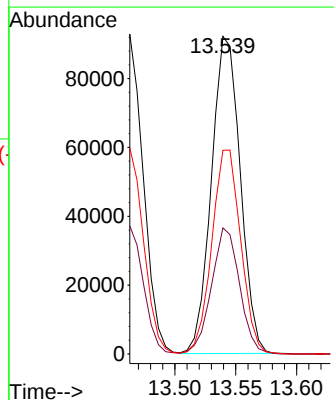
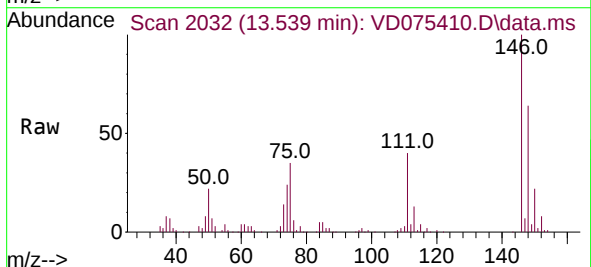
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD050104

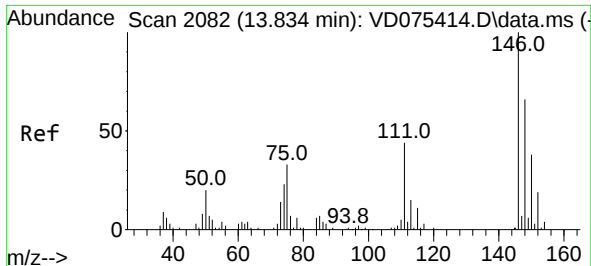
Tgt Ion:146 Resp: 151939  
Ion Ratio Lower Upper  
146 100  
111 40.1 28.8 53.4  
148 64.5 44.7 83.1



#65  
1,4-Dichlorobenzene  
Concen: 54.933 ug/L  
RT: 13.539 min Scan# 2032  
Delta R.T. -0.000 min  
Lab File: VD075410.D  
Acq: 23 Feb 2023 13:01

Tgt Ion:146 Resp: 152127  
Ion Ratio Lower Upper  
146 100  
111 39.7 27.9 51.7  
148 64.1 43.3 80.5





#67

1,2-Dichlorobenzene

Concen: 54.511 ug/L

RT: 13.833 min Scan# 2082

Delta R.T. -0.000 min

Lab File: VD075410.D

Acq: 23 Feb 2023 13:01

Instrument :

MSVOA\_D

ClientSampleId :

VSTD050104

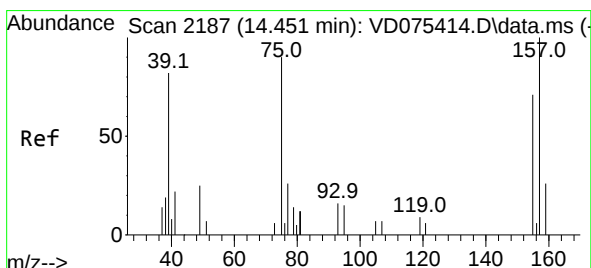
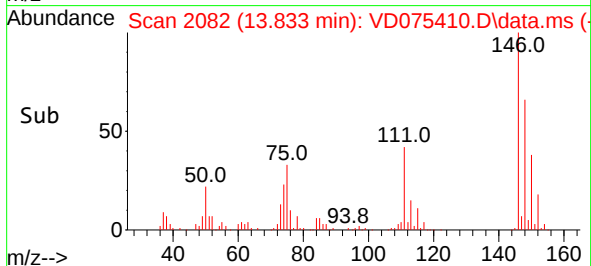
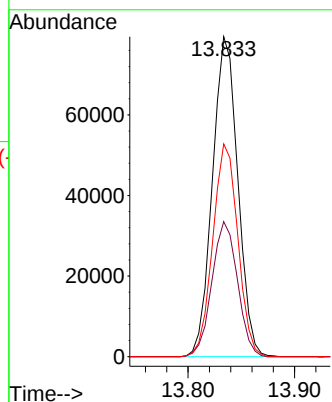
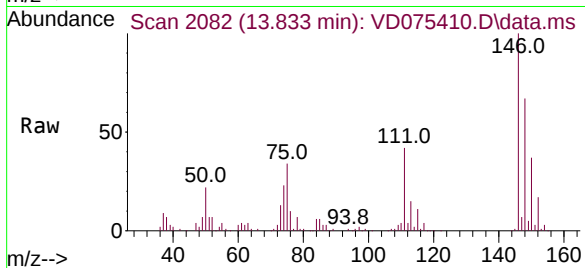
Tgt Ion:146 Resp: 131408

Ion Ratio Lower Upper

146 100

111 42.2 35.0 52.6

148 66.5 52.7 79.1



#68

1,2-Dibromo-3-chloropropane

Concen: 45.812 ug/L

RT: 14.451 min Scan# 2187

Delta R.T. -0.000 min

Lab File: VD075410.D

Acq: 23 Feb 2023 13:01

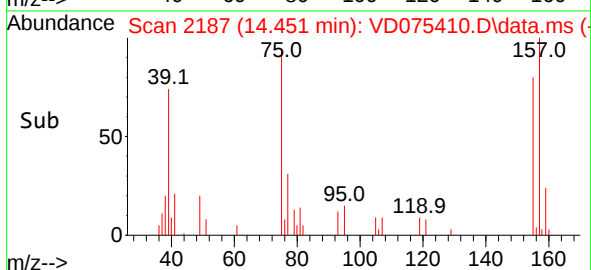
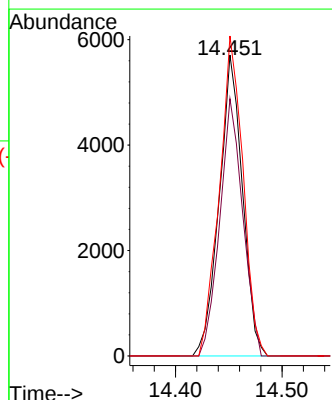
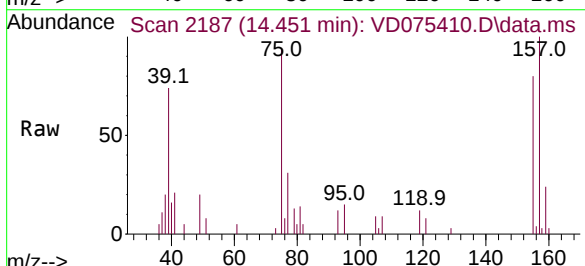
Tgt Ion: 75 Resp: 8629

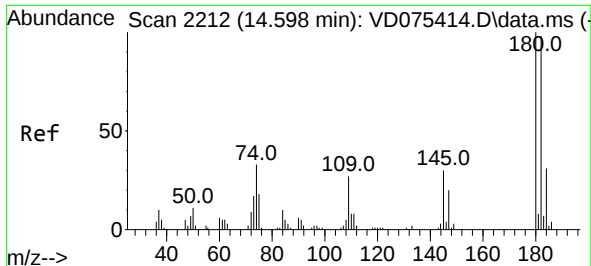
Ion Ratio Lower Upper

75 100

155 85.5 63.1 94.7

157 106.3 89.2 133.8

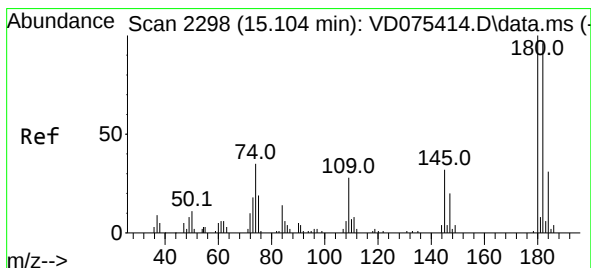
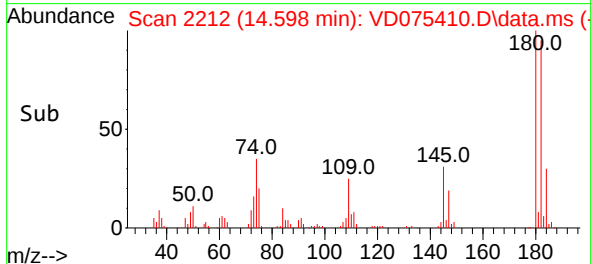
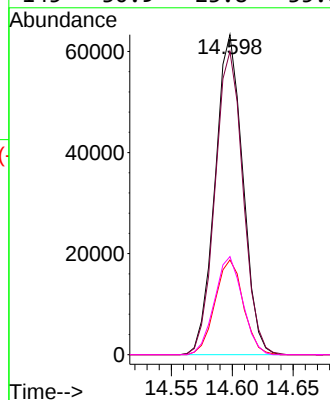
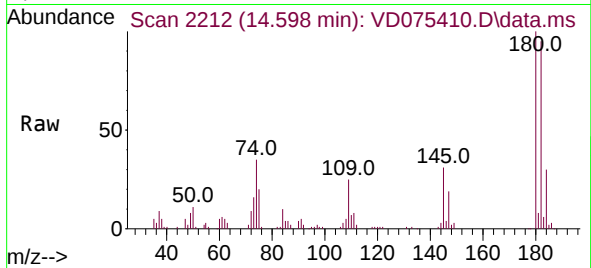




#69  
 1,3,5-Trichlorobenzene  
 Concen: 50.395 ug/L  
 RT: 14.598 min Scan# 2212  
 Delta R.T. -0.000 min  
 Lab File: VD075410.D  
 Acq: 23 Feb 2023 13:01

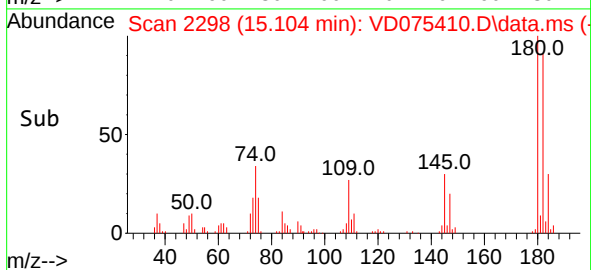
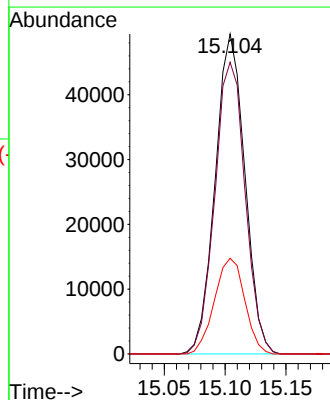
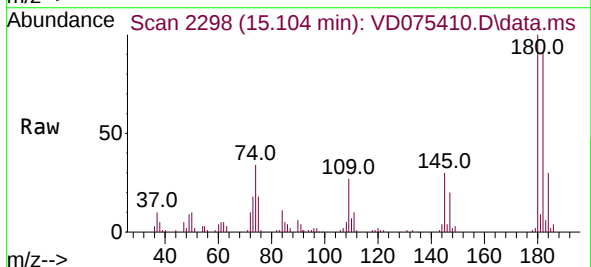
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD050104

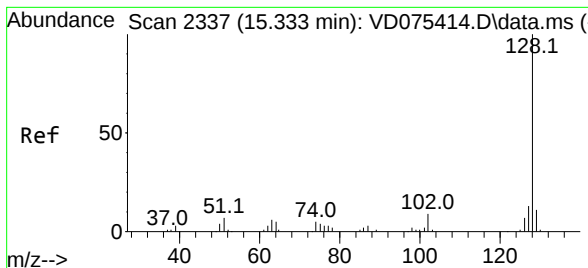
Tgt Ion:180 Resp: 100433  
 Ion Ratio Lower Upper  
 180 100  
 182 95.3 75.0 112.6  
 184 30.1 23.8 35.6  
 145 30.9 23.8 35.8



#70  
 1,2,4-trichlorobenzene  
 Concen: 49.846 ug/L  
 RT: 15.104 min Scan# 2298  
 Delta R.T. -0.000 min  
 Lab File: VD075410.D  
 Acq: 23 Feb 2023 13:01

Tgt Ion:180 Resp: 83675  
 Ion Ratio Lower Upper  
 180 100  
 182 93.2 77.1 115.7  
 145 30.5 23.8 35.6

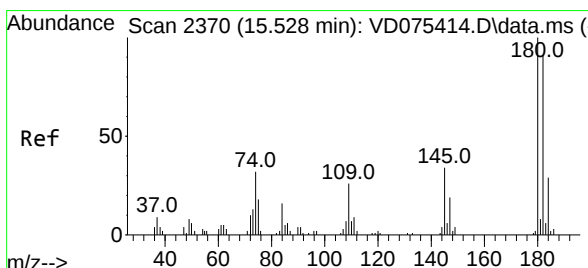
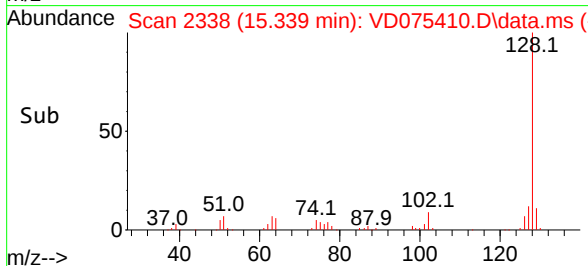
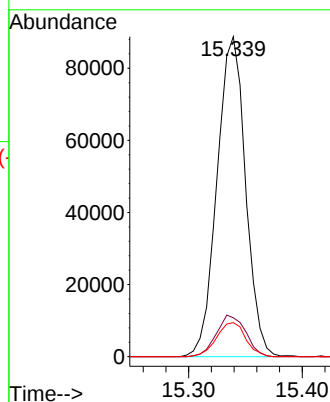
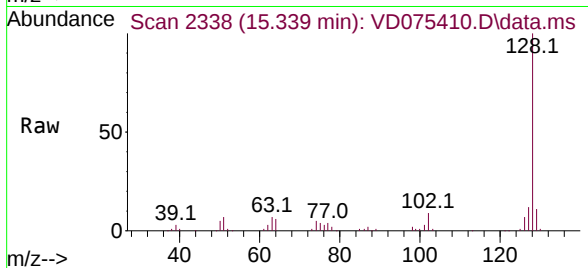




#71  
Naphthalene  
Concen: 48.409 ug/L  
RT: 15.339 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VD075410.D  
Acq: 23 Feb 2023 13:01

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD050104

Tgt Ion:128 Resp: 154947  
Ion Ratio Lower Upper  
128 100  
127 13.3 10.6 16.0  
129 10.9 8.6 12.8



#72  
1,2,3-Trichlorobenzene  
Concen: 50.409 ug/L  
RT: 15.528 min Scan# 2370  
Delta R.T. -0.000 min  
Lab File: VD075410.D  
Acq: 23 Feb 2023 13:01

Tgt Ion:180 Resp: 71800  
Ion Ratio Lower Upper  
180 100  
182 95.0 75.4 113.2  
145 33.3 26.6 39.8

