

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW051322\  
 Data File : VW025894.D  
 Acq On : 13 May 2022 16:32  
 Operator : SY/MD  
 Sample : VSTD01046  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD010246

Quant Time: May 14 07:00:10 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR051322WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat May 14 06:57:50 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Difluorobenzene        | 5.616  | 114  | 175340   | 5.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.853  | 117  | 182221   | 5.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152  | 106366   | 5.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 4) Vinyl Chloride-d3          | 1.307  | 65   | 143509   | 7.973   | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.568  | 69   | 126095   | 7.990   | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63   | 320595   | 9.075   | ug/L   | 0.00     |
| 20) 2-Butanone-d5             | 3.899  | 46   | 161616   | 67.866  | ug/L   | 0.00     |
| 24) Chloroform-d              | 4.349  | 84   | 240840   | 8.854   | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.034  | 65   | 104530   | 8.737   | ug/L   | 0.00     |
| 32) Benzene-d6                | 5.050  | 84   | 493880   | 8.951   | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.069  | 67   | 140521   | 8.663   | ug/L   | 0.00     |
| 41) Toluene-d8                | 7.313  | 98   | 471476   | 9.382   | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.622  | 79   | 49544    | 9.589   | ug/L   | 0.00     |
| 46) 2-Hexanone-d5             | 8.088  | 63   | 204117   | 103.972 | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214 | 84   | 95131    | 9.231   | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152  | 149259   | 8.492   | ug/L   | 0.00     |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.130  | 85   | 184812   | 8.970   | ug/L   | 100      |
| 3) Chloromethane              | 1.240  | 50   | 218734   | 9.151   | ug/L   | 97       |
| 5) Vinyl chloride             | 1.310  | 62   | 232394   | 9.619   | ug/L   | 99       |
| 6) Bromomethane               | 1.523  | 94   | 134416   | 10.070  | ug/L   | 98       |
| 8) Chloroethane               | 1.584  | 64   | 147274   | 9.425   | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 1.754  | 101  | 312657   | 9.433   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.117  | 101  | 171091   | 9.515   | ug/L   | 100      |
| 12) 1,1-Dichloroethene        | 2.117  | 96   | 169018   | 9.780   | ug/L   | 94       |
| 13) Acetone                   | 2.185  | 43   | 124295   | 71.917  | ug/L   | 84       |
| 14) Carbon disulfide          | 2.294  | 76   | 439831   | 9.972   | ug/L   | 99       |
| 15) Methyl Acetate            | 2.436  | 43   | 44720    | 11.155  | ug/L # | 84       |
| 16) Methylene chloride        | 2.506  | 84   | 154859   | 9.268   | ug/L   | 97       |
| 17) Methyl tert-butyl Ether   | 2.770  | 73   | 296492   | 11.325  | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 2.760  | 96   | 151232   | 10.009  | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.188  | 63   | 282812   | 10.439  | ug/L   | 98       |
| 21) 2-Butanone                | 3.976  | 43   | 234077   | 100.146 | ug/L   | 97       |
| 22) cis-1,2-Dichloroethene    | 3.912  | 96   | 157036   | 10.206  | ug/L   | 99       |
| 23) Bromochloromethane        | 4.246  | 128  | 66026    | 10.520  | ug/L   | 97       |
| 25) Chloroform                | 4.375  | 83   | 288279   | 10.188  | ug/L   | 99       |
| 27) 1,2-Dichloroethane        | 5.130  | 62   | 155579   | 10.221  | ug/L   | 98       |
| 29) 1,1,1-Trichloroethane     | 4.606  | 97   | 248799   | 9.883   | ug/L   | 99       |
| 30) Cyclohexane               | 4.677  | 56   | 234765   | 10.304  | ug/L   | 100      |
| 31) Carbon tetrachloride      | 4.828  | 117  | 212526   | 9.878   | ug/L   | 100      |
| 33) Benzene                   | 5.098  | 78   | 640254   | 10.314  | ug/L   | 100      |
| 34) Trichloroethene           | 5.911  | 95   | 160298   | 9.813   | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.130  | 83   | 256250   | 10.250  | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 6.172  | 63   | 156900   | 10.498  | ug/L   | 99       |
| 38) Bromodichloromethane      | 6.510  | 83   | 191117   | 10.230  | ug/L   | 96       |
| 39) cis-1,3-Dichloropropene   | 7.027  | 75   | 210134   | 11.198  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.227  | 43   | 812486   | 127.936 | ug/L   | 97       |
| 42) Toluene                   | 7.387  | 91   | 697871   | 10.528  | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 7.651  | 75   | 173432   | 11.658  | ug/L   | 97       |

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 Sample : VSTD01046  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 7 Sample Multiplier: 1

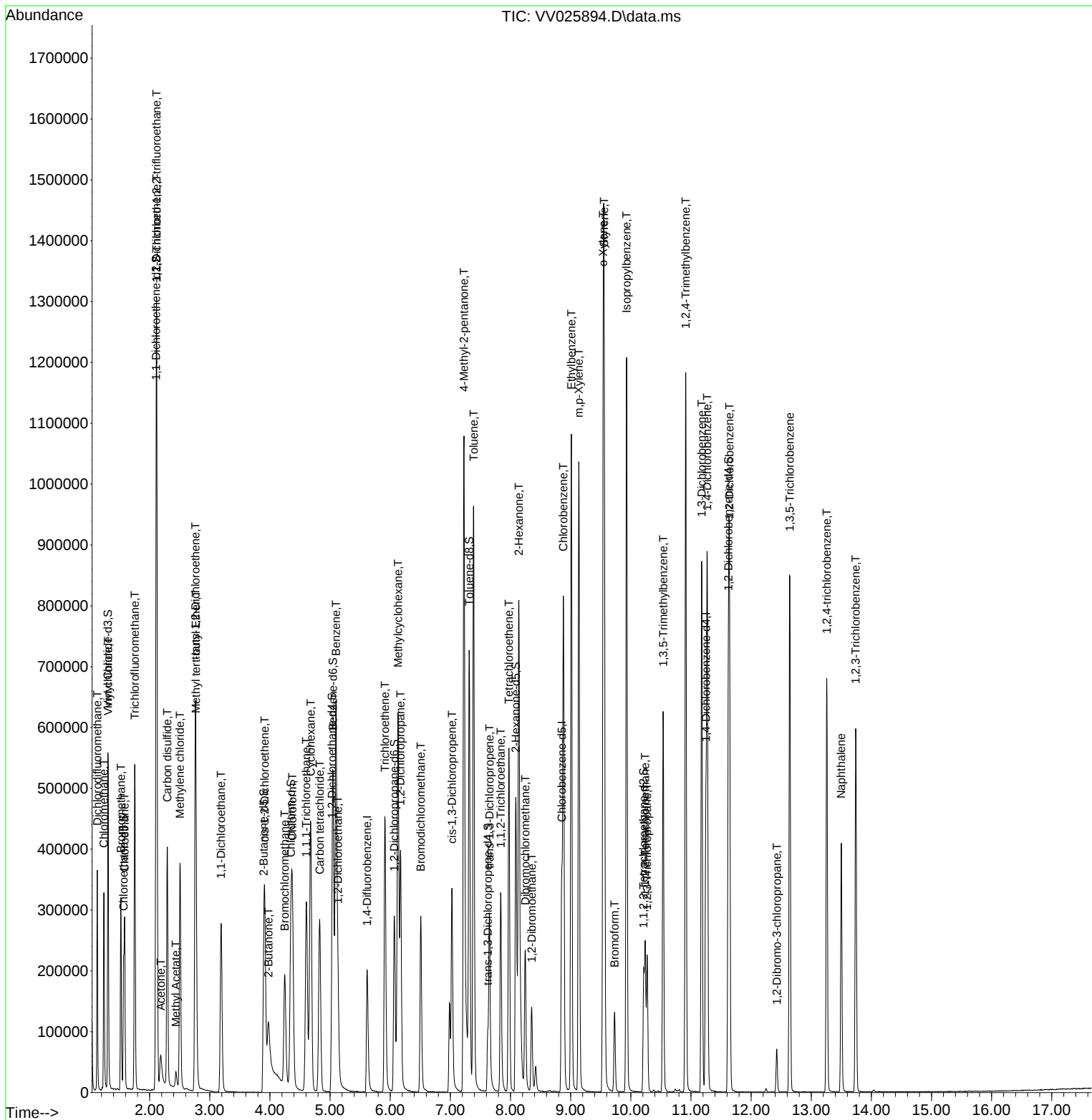
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD010246

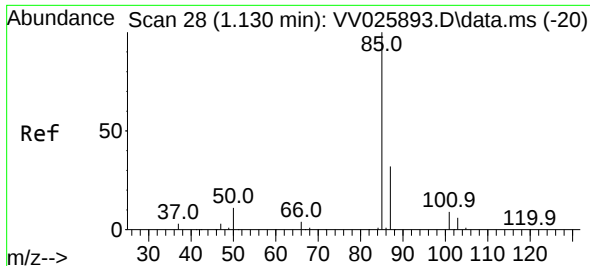
Quant Time: May 14 07:00:10 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR051322WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat May 14 06:57:50 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| 45) 1,1,2-Trichloroethane     | 7.837  | 97   | 104467   | 10.838  | ug/L  | 94       |
| 47) Tetrachloroethene         | 7.976  | 164  | 122043   | 8.804   | ug/L  | 96       |
| 48) 2-Hexanone                | 8.140  | 43   | 579460   | 129.813 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.246  | 129  | 116892   | 10.935  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.352  | 107  | 95029    | 11.088  | ug/L  | 94       |
| 51) Chlorobenzene             | 8.879  | 112  | 430968   | 10.232  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.011  | 91   | 740088   | 10.783  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.136  | 106  | 289341   | 10.708  | ug/L  | 93       |
| 54) o-Xylene                  | 9.542  | 106  | 279516   | 10.931  | ug/L  | 96       |
| 55) Styrene                   | 9.558  | 104  | 486070   | 11.528  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 117072   | 11.314  | ug/L  | 99       |
| 59) Bromoform                 | 9.731  | 173  | 57469    | 11.201  | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.931  | 105  | 749612   | 10.228  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.271 | 75   | 89496    | 10.248  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 325974   | 10.376  | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.915 | 105  | 618705   | 10.777  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.178 | 146  | 340091   | 10.061  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.271 | 146  | 334528   | 9.741   | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 302845   | 10.071  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.429 | 75   | 16907    | 10.424  | ug/L  | 93       |
| 69) 1,3,5-Trichlorobenzene    | 12.644 | 180  | 245059   | 9.630   | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.258 | 180  | 193153   | 10.212  | ug/L  | 100      |
| 71) Naphthalene               | 13.500 | 128  | 311982   | 11.580  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 169279   | 10.891  | ug/L  | 98       |
| -----                         |        |      |          |         |       |          |

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

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QLast Update : Sat May 14 06:57:50 2022  
Response via : Initial Calibration

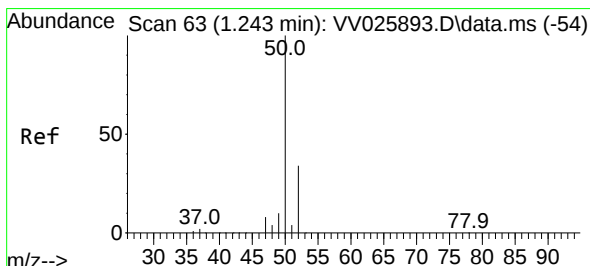
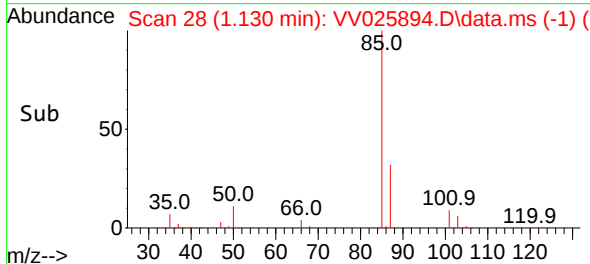
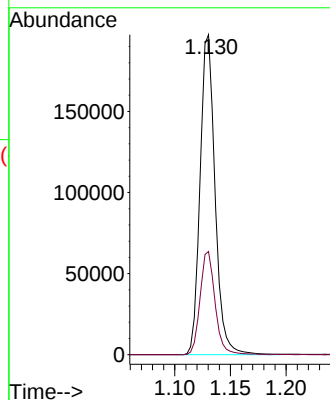
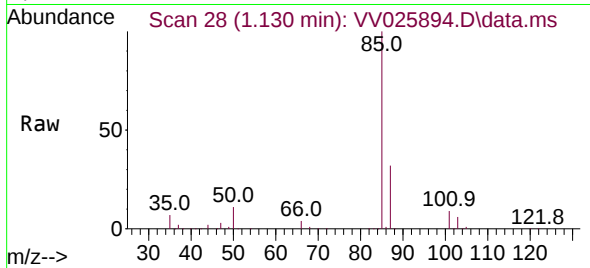




#2  
 Dichlorodifluoromethane  
 Concen: 8.970 ug/L  
 RT: 1.130 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VV025894.D  
 Acq: 13 May 2022 16:32

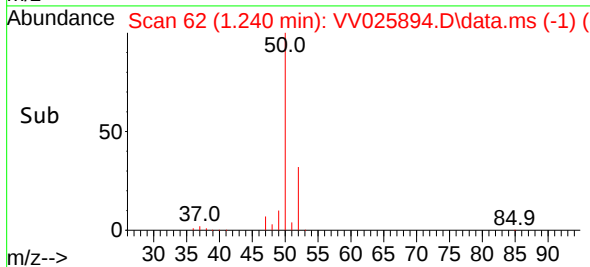
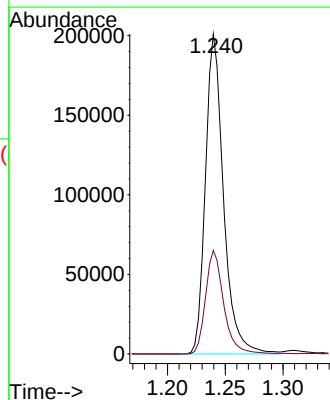
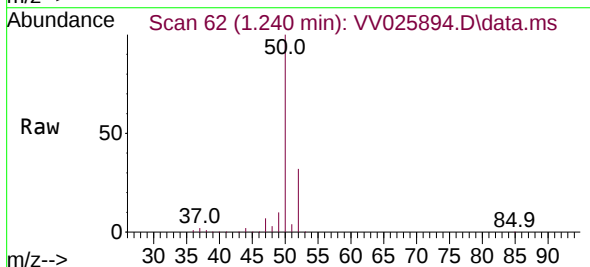
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD010246

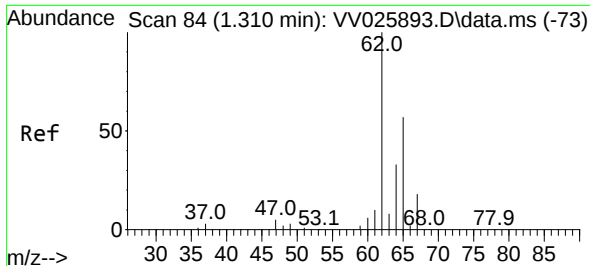
Tgt Ion: 85 Resp: 184812  
 Ion Ratio Lower Upper  
 85 100  
 87 32.3 26.0 39.0



#3  
 Chloromethane  
 Concen: 9.151 ug/L  
 RT: 1.240 min Scan# 62  
 Delta R.T. -0.003 min  
 Lab File: VV025894.D  
 Acq: 13 May 2022 16:32

Tgt Ion: 50 Resp: 218734  
 Ion Ratio Lower Upper  
 50 100  
 52 32.3 23.9 44.3

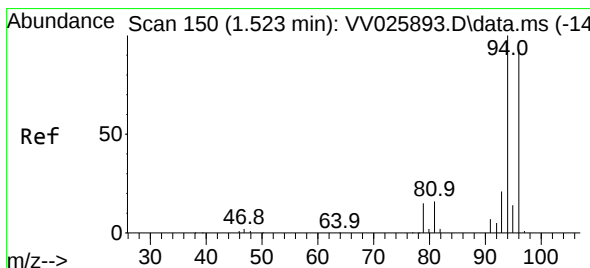
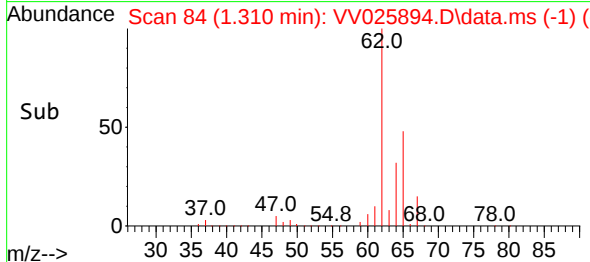
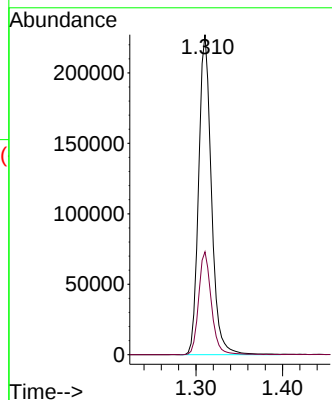
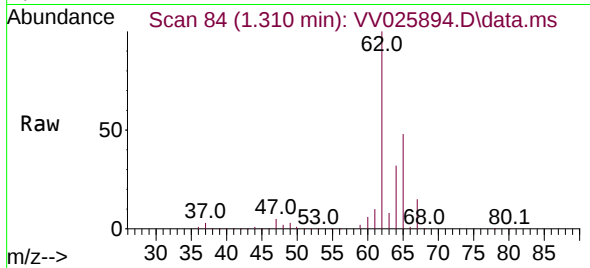




#5  
 Vinyl chloride  
 Concen: 9.619 ug/L  
 RT: 1.310 min Scan# 84  
 Delta R.T. 0.000 min  
 Lab File: VV025894.D  
 Acq: 13 May 2022 16:32

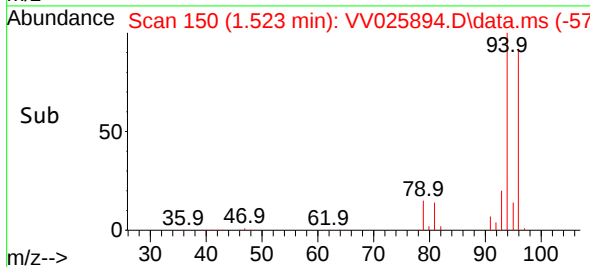
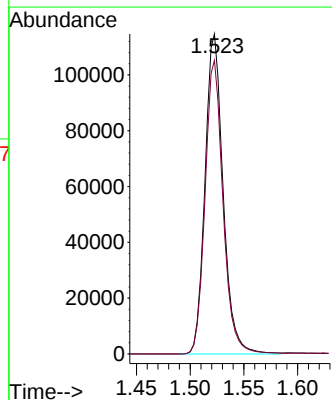
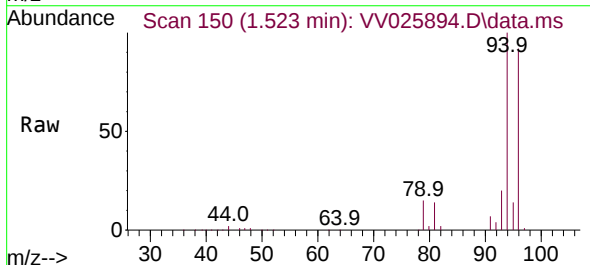
Instrument :  
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 ClientSampleId :  
 VSTD010246

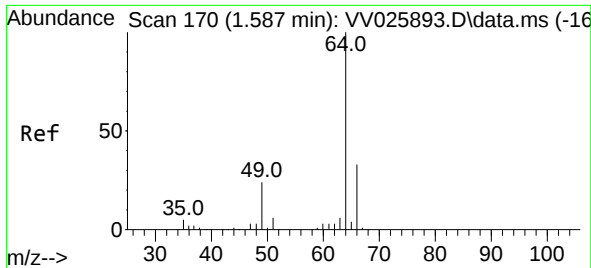
Tgt Ion: 62 Resp: 232394  
 Ion Ratio Lower Upper  
 62 100  
 64 32.2 22.9 42.5



#6  
 Bromomethane  
 Concen: 10.070 ug/L  
 RT: 1.523 min Scan# 150  
 Delta R.T. 0.000 min  
 Lab File: VV025894.D  
 Acq: 13 May 2022 16:32

Tgt Ion: 94 Resp: 134416  
 Ion Ratio Lower Upper  
 94 100  
 96 91.8 65.4 121.4

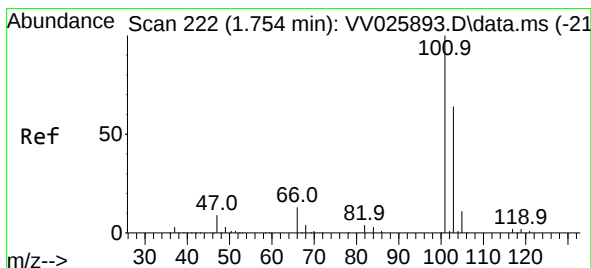
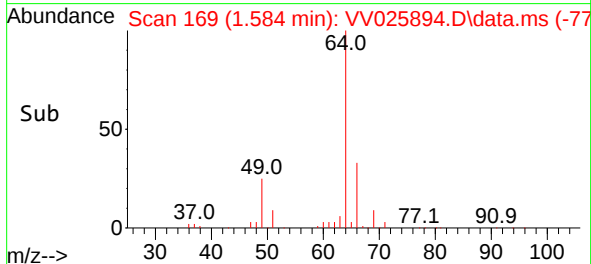
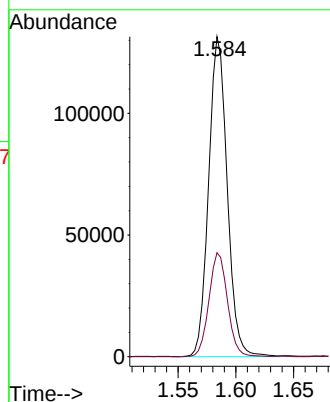
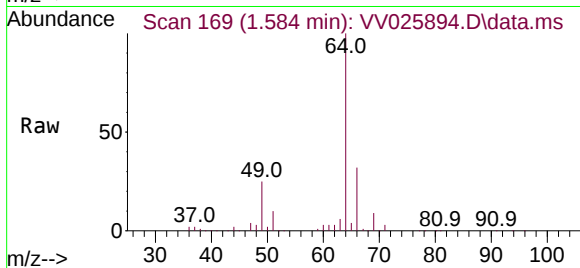




#8  
Chloroethane  
Concen: 9.425 ug/L  
RT: 1.584 min Scan# 170  
Delta R.T. -0.003 min  
Lab File: VV025894.D  
Acq: 13 May 2022 16:32

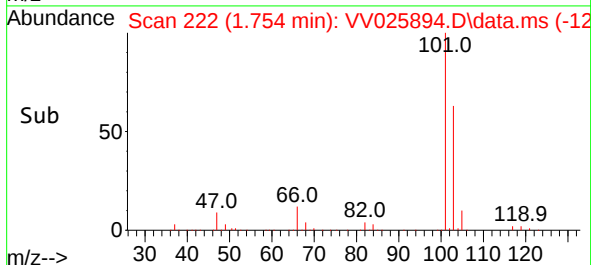
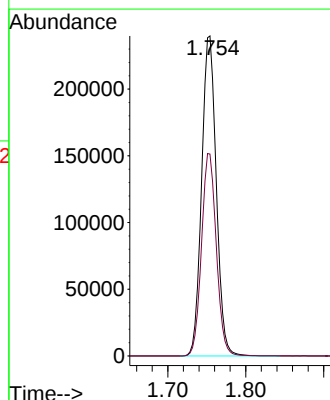
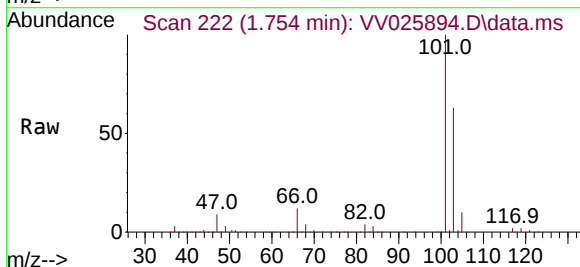
Instrument :  
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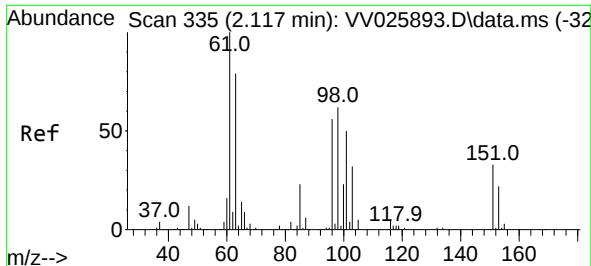
Tgt Ion: 64 Resp: 147274  
Ion Ratio Lower Upper  
64 100  
66 32.5 22.9 42.5



#9  
Trichlorofluoromethane  
Concen: 9.433 ug/L  
RT: 1.754 min Scan# 222  
Delta R.T. 0.000 min  
Lab File: VV025894.D  
Acq: 13 May 2022 16:32

Tgt Ion: 101 Resp: 312657  
Ion Ratio Lower Upper  
101 100  
103 64.0 50.6 76.0

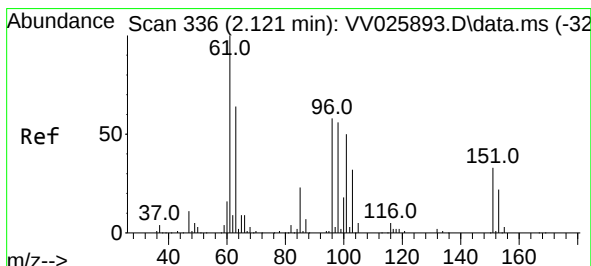
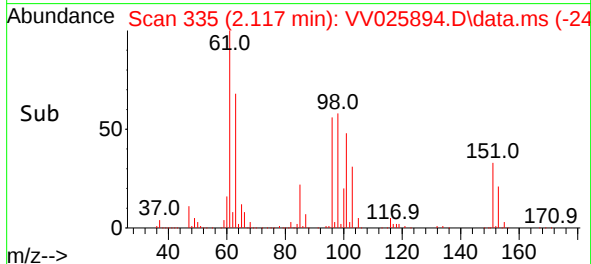
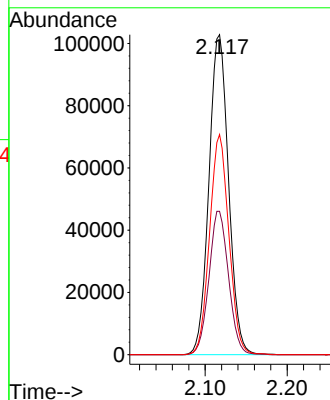
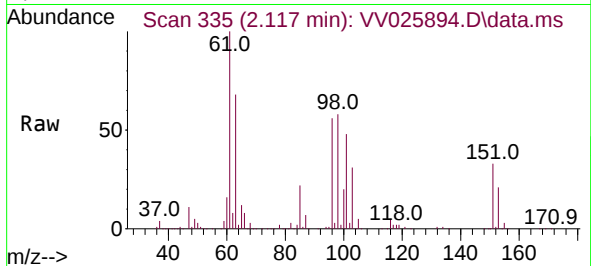




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 9.515 ug/L  
 RT: 2.117 min Scan# 335  
 Delta R.T. 0.000 min  
 Lab File: VV025894.D  
 Acq: 13 May 2022 16:32

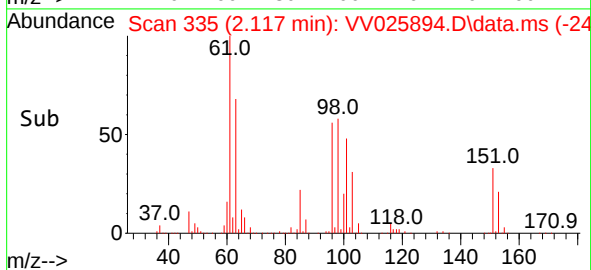
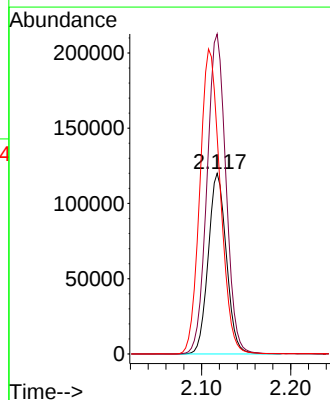
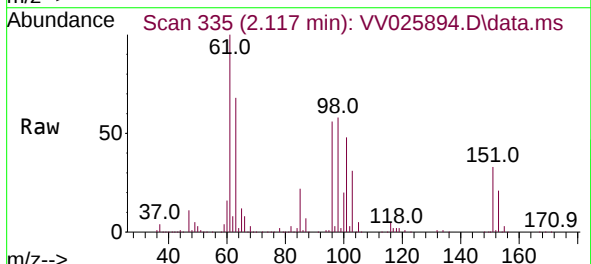
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD010246

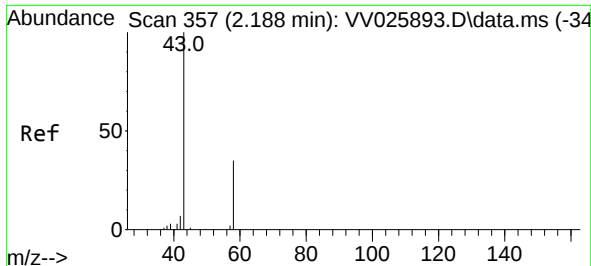
Tgt Ion:101 Resp: 171091  
 Ion Ratio Lower Upper  
 101 100  
 85 44.8 35.7 53.5  
 151 67.7 54.1 81.1



#12  
 1,1-Dichloroethene  
 Concen: 9.780 ug/L  
 RT: 2.117 min Scan# 335  
 Delta R.T. -0.003 min  
 Lab File: VV025894.D  
 Acq: 13 May 2022 16:32

Tgt Ion: 96 Resp: 169018  
 Ion Ratio Lower Upper  
 96 100  
 61 177.2 119.8 222.6  
 63 120.6 78.3 145.3





#13

Acetone

Concen: 71.917 ug/L

RT: 2.185 min Scan# 357

Delta R.T. -0.003 min

Lab File: VV025894.D

Acq: 13 May 2022 16:32

Instrument :

MSVOA\_V

ClientSampleId :

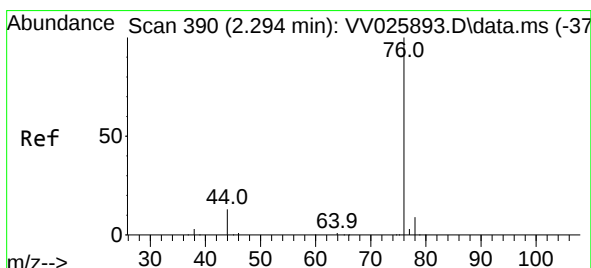
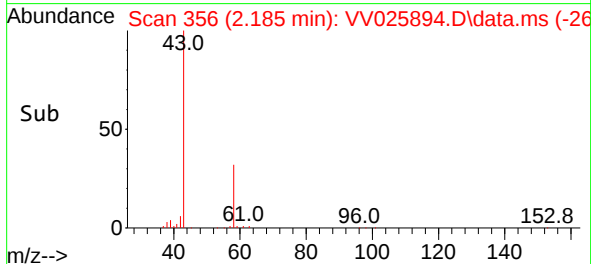
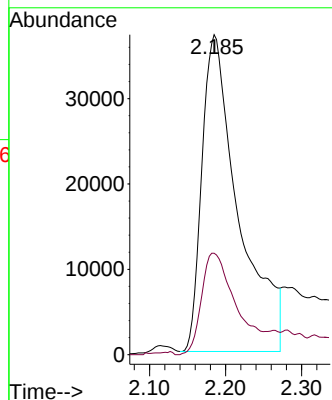
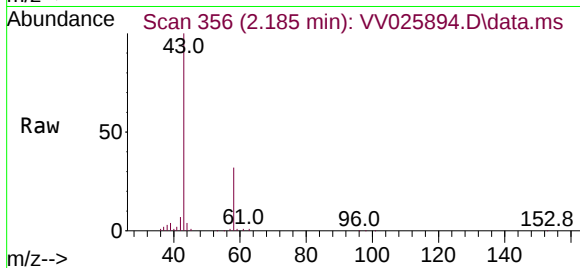
VSTD010246

Tgt Ion: 43 Resp: 124295

Ion Ratio Lower Upper

43 100

58 30.1 0.0 44.6



#14

Carbon disulfide

Concen: 9.972 ug/L

RT: 2.294 min Scan# 390

Delta R.T. 0.000 min

Lab File: VV025894.D

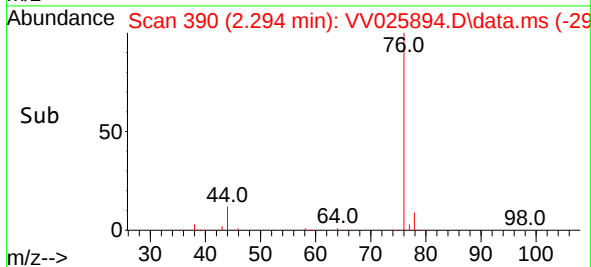
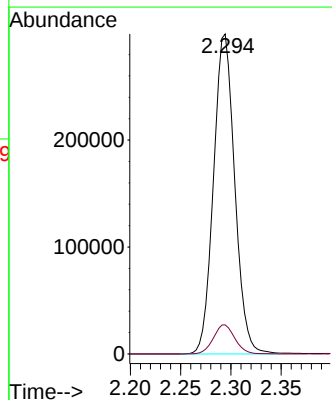
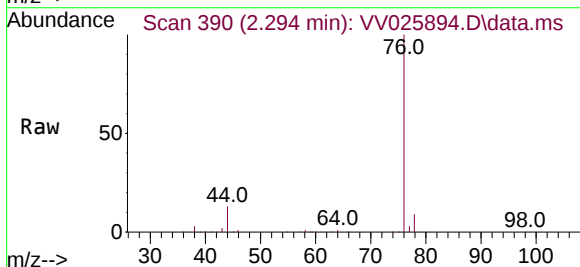
Acq: 13 May 2022 16:32

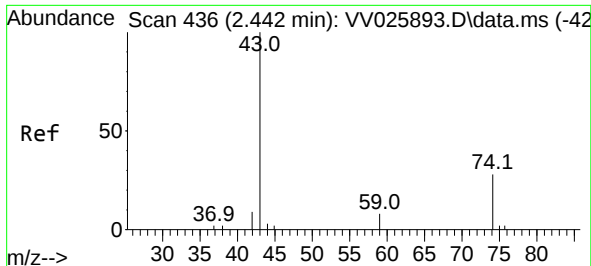
Tgt Ion: 76 Resp: 439831

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.6

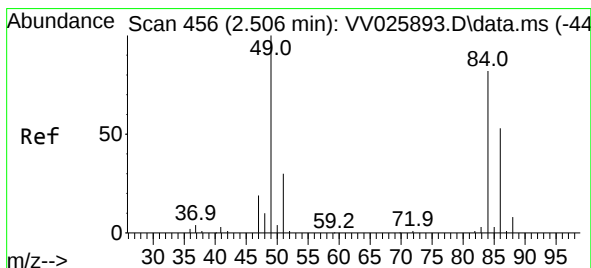
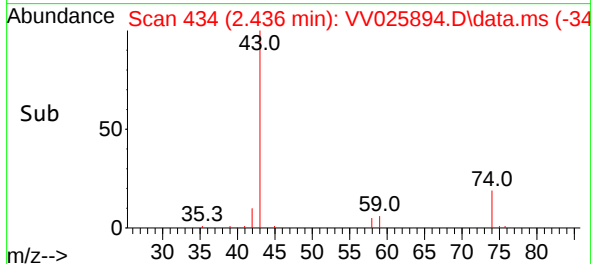
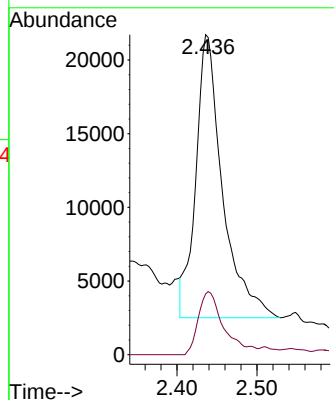
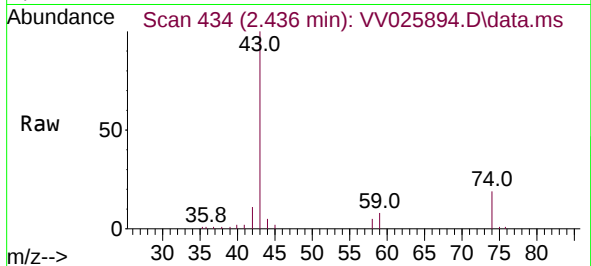




#15  
Methyl Acetate  
Concen: 11.155 ug/L  
RT: 2.436 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VV025894.D  
Acq: 13 May 2022 16:32

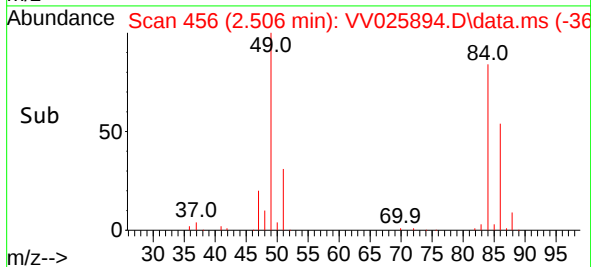
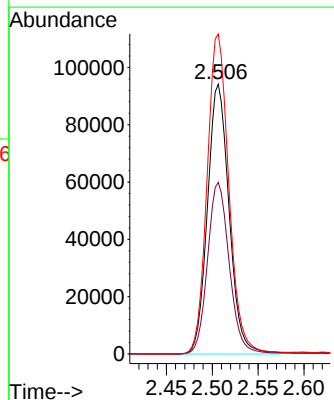
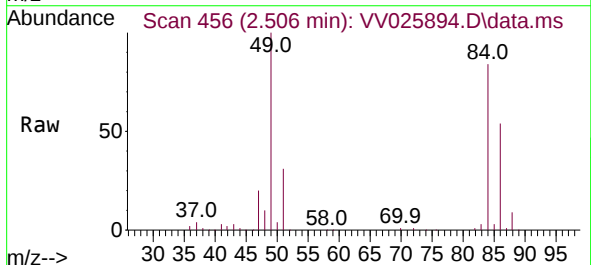
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010246

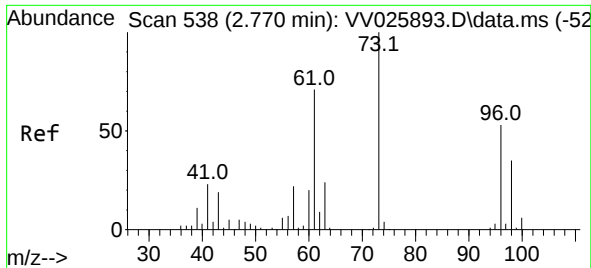
Tgt Ion: 43 Resp: 44720  
Ion Ratio Lower Upper  
43 100  
74 20.6 23.3 34.9#



#16  
Methylene chloride  
Concen: 9.268 ug/L  
RT: 2.506 min Scan# 456  
Delta R.T. 0.000 min  
Lab File: VV025894.D  
Acq: 13 May 2022 16:32

Tgt Ion: 84 Resp: 154859  
Ion Ratio Lower Upper  
84 100  
86 63.6 45.4 84.2  
49 118.6 85.6 159.0

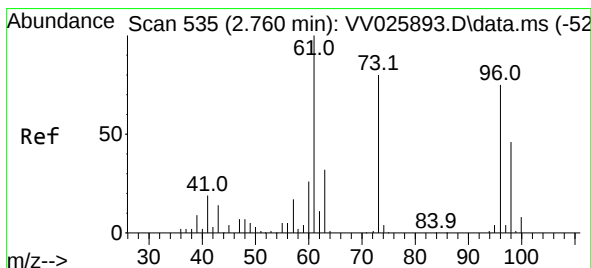
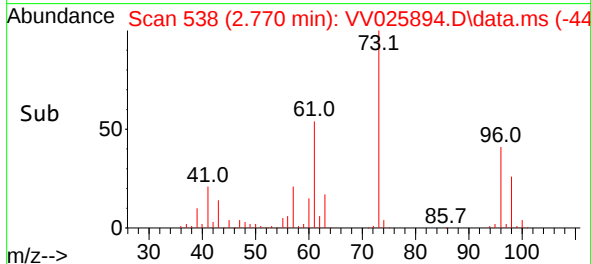
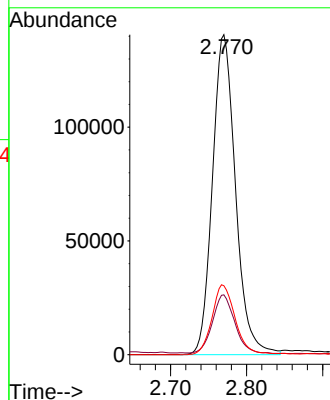
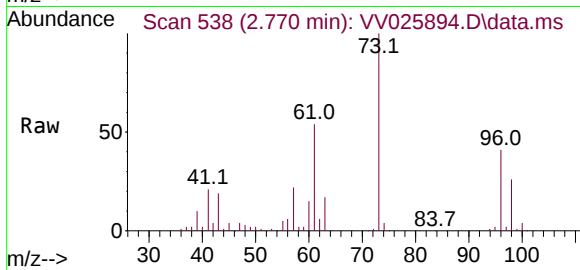




#17  
Methyl tert-butyl Ether  
Concen: 11.325 ug/L  
RT: 2.770 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VV025894.D  
Acq: 13 May 2022 16:32

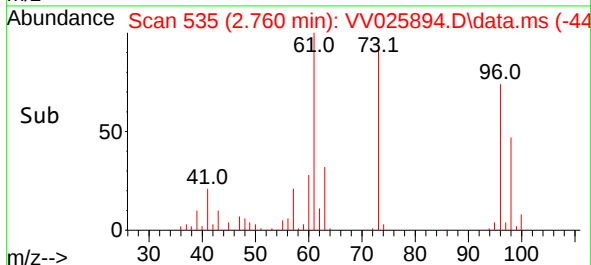
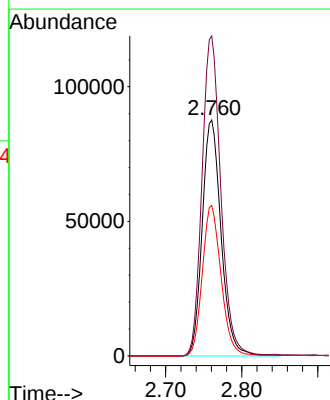
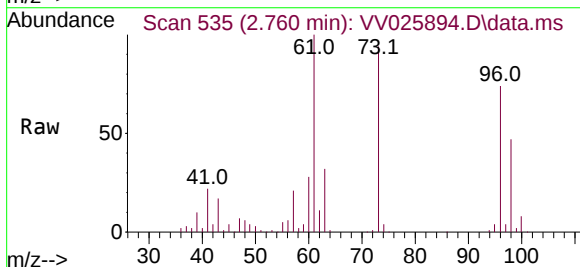
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010246

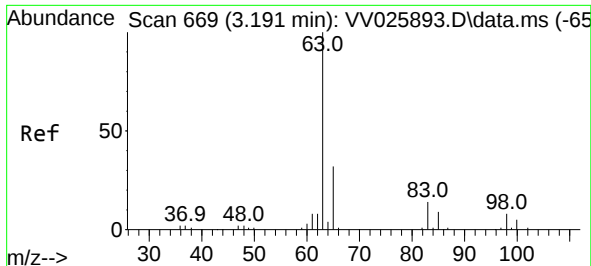
Tgt Ion: 73 Resp: 296492  
Ion Ratio Lower Upper  
73 100  
43 17.8 14.6 22.0  
57 21.9 17.9 26.9



#18  
trans-1,2-Dichloroethene  
Concen: 10.009 ug/L  
RT: 2.760 min Scan# 535  
Delta R.T. 0.000 min  
Lab File: VV025894.D  
Acq: 13 May 2022 16:32

Tgt Ion: 96 Resp: 151232  
Ion Ratio Lower Upper  
96 100  
61 135.6 93.6 173.8  
98 63.8 42.8 79.4





#19

1,1-Dichloroethane

Concen: 10.439 ug/L

RT: 3.188 min Scan# 6

Delta R.T. -0.003 min

Lab File: VV025894.D

Acq: 13 May 2022 16:32

Instrument :

MSVOA\_V

ClientSampleId :

VSTD010246

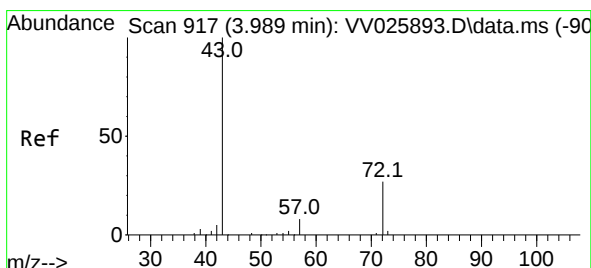
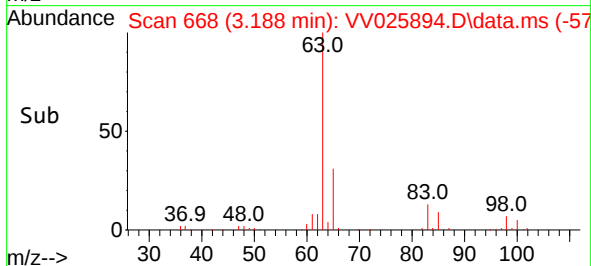
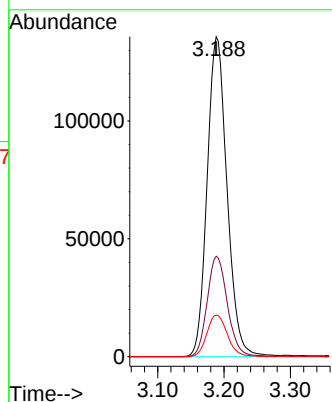
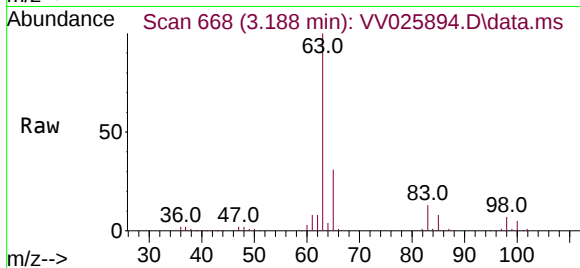
Tgt Ion: 63 Resp: 282812

Ion Ratio Lower Upper

63 100

65 31.4 22.3 41.5

83 13.0 10.0 18.6



#21

2-Butanone

Concen: 100.146 ug/L

RT: 3.976 min Scan# 913

Delta R.T. -0.013 min

Lab File: VV025894.D

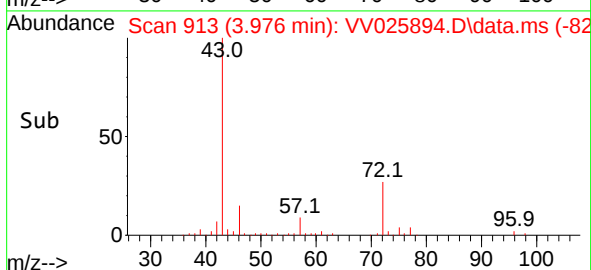
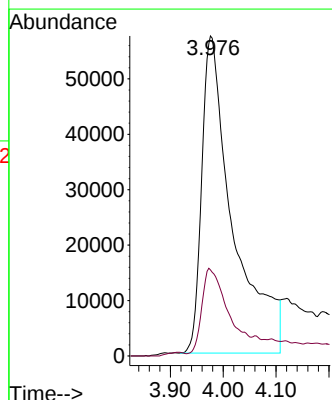
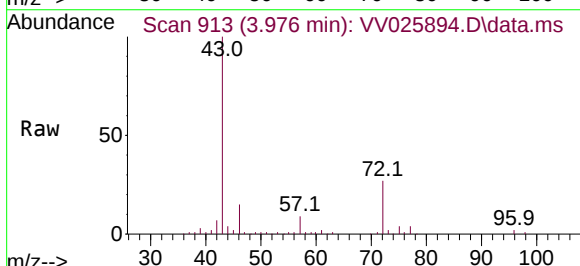
Acq: 13 May 2022 16:32

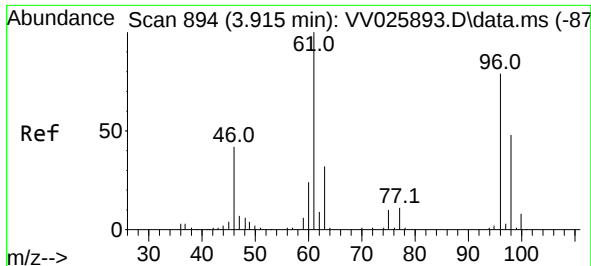
Tgt Ion: 43 Resp: 234077

Ion Ratio Lower Upper

43 100

72 22.6 10.5 31.6





#22

cis-1,2-Dichloroethene

Concen: 10.206 ug/L

RT: 3.912 min Scan# 894

Delta R.T. -0.003 min

Lab File: VV025894.D

Acq: 13 May 2022 16:32

Instrument :

MSVOA\_V

ClientSampleId :

VSTD010246

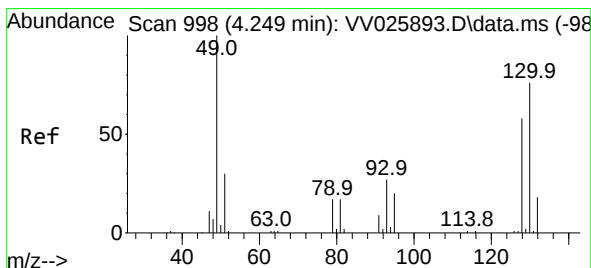
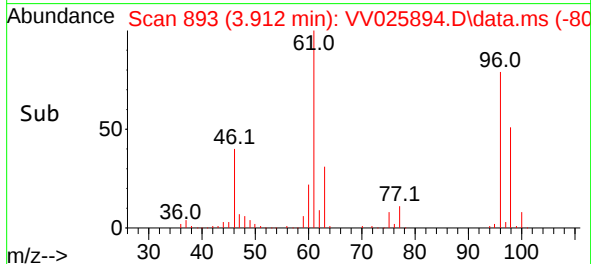
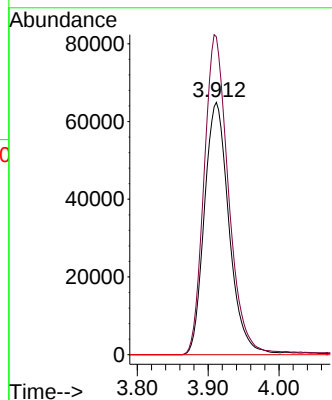
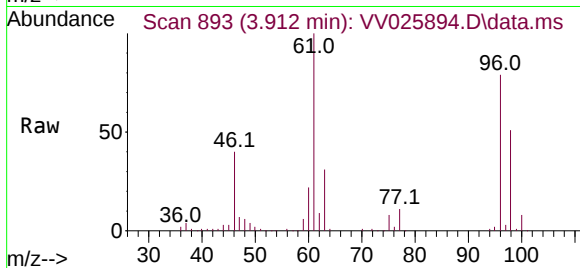
Tgt Ion: 96 Resp: 157036

Ion Ratio Lower Upper

96 100

61 125.9 88.9 165.1

68 0.0 0.0 0.0



#23

Bromochloromethane

Concen: 10.520 ug/L

RT: 4.246 min Scan# 997

Delta R.T. -0.003 min

Lab File: VV025894.D

Acq: 13 May 2022 16:32

Tgt Ion: 128 Resp: 66026

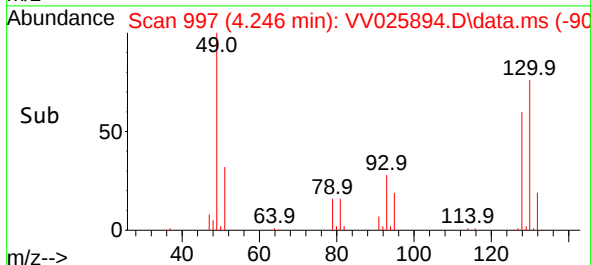
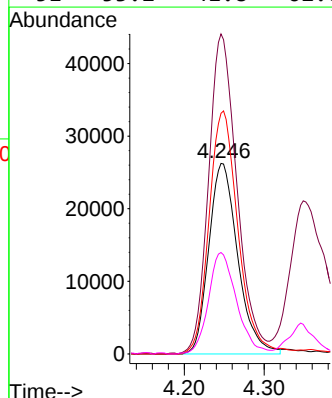
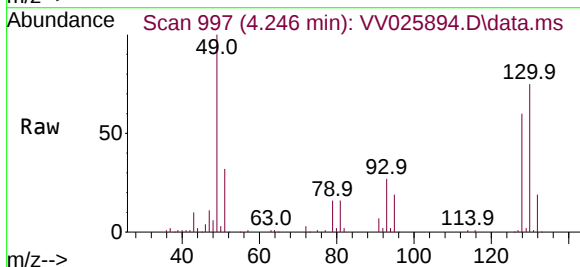
Ion Ratio Lower Upper

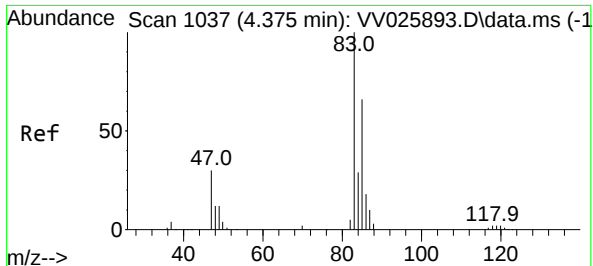
128 100

49 167.9 121.0 224.8

130 126.2 90.8 168.6

51 53.2 41.8 62.6





#25

Chloroform

Concen: 10.188 ug/L

RT: 4.375 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VV025894.D

Acq: 13 May 2022 16:32

Instrument :

MSVOA\_V

ClientSampleId :

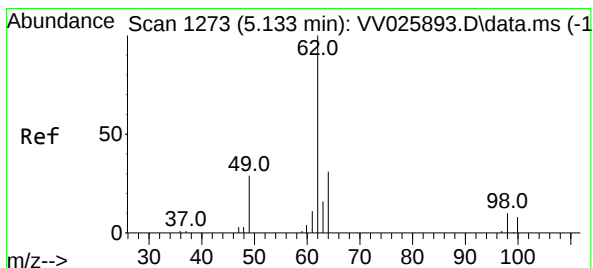
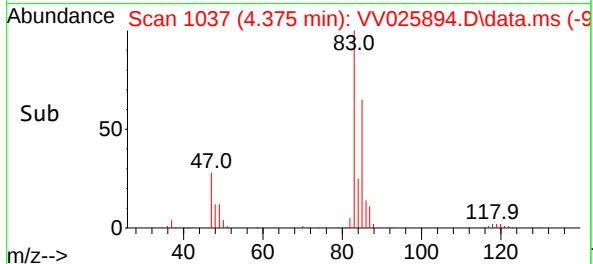
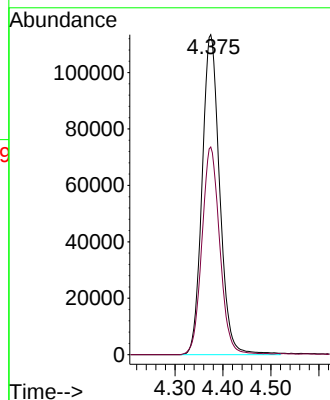
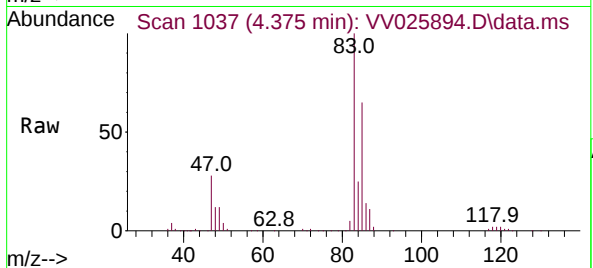
VSTD010246

Tgt Ion: 83 Resp: 288279

Ion Ratio Lower Upper

83 100

85 64.9 46.1 85.7



#27

1,2-Dichloroethane

Concen: 10.221 ug/L

RT: 5.130 min Scan# 1272

Delta R.T. -0.003 min

Lab File: VV025894.D

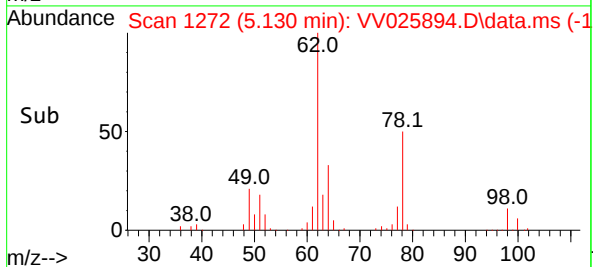
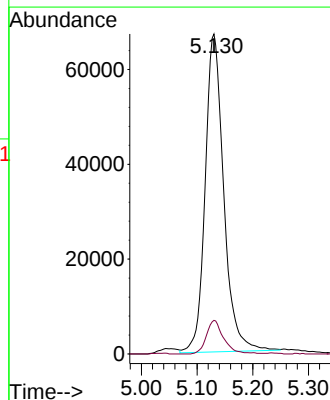
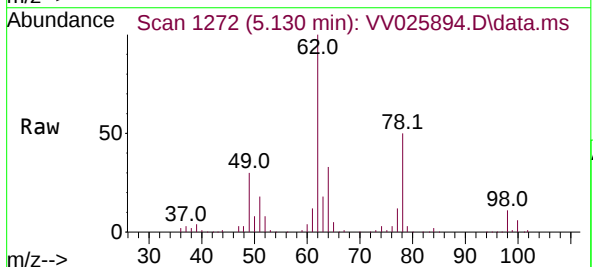
Acq: 13 May 2022 16:32

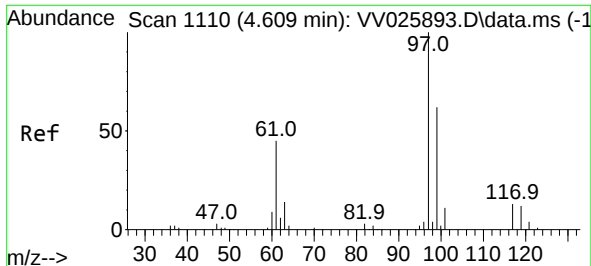
Tgt Ion: 62 Resp: 155579

Ion Ratio Lower Upper

62 100

98 10.5 7.9 11.9





#29

1,1,1-Trichloroethane

Concen: 9.883 ug/L

RT: 4.606 min Scan# 1110

Delta R.T. -0.003 min

Lab File: VV025894.D

Acq: 13 May 2022 16:32

Instrument :

MSVOA\_V

ClientSampleId :

VSTD010246

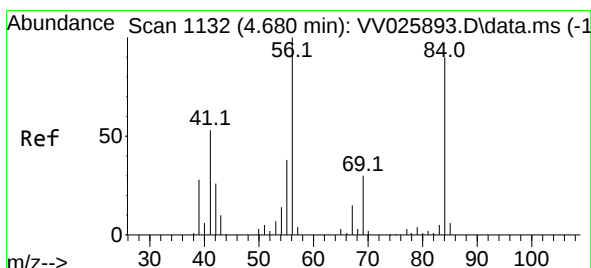
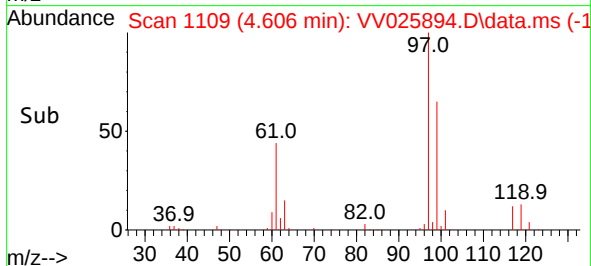
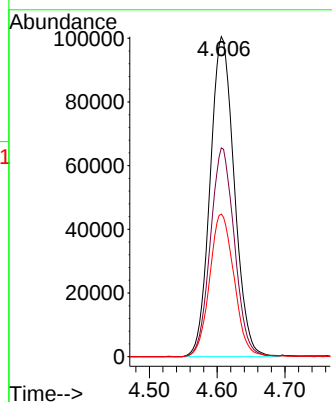
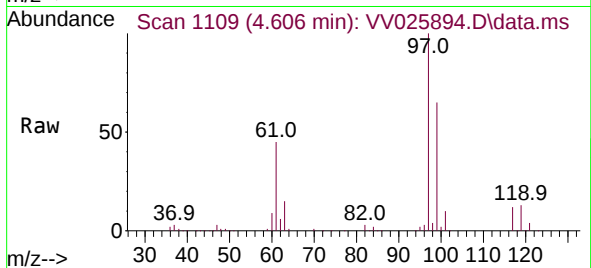
Tgt Ion: 97 Resp: 248799

Ion Ratio Lower Upper

97 100

99 65.1 51.0 76.6

61 45.3 36.3 54.5



#30

Cyclohexane

Concen: 10.304 ug/L

RT: 4.677 min Scan# 1131

Delta R.T. -0.003 min

Lab File: VV025894.D

Acq: 13 May 2022 16:32

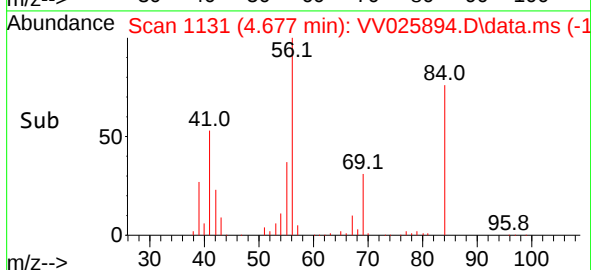
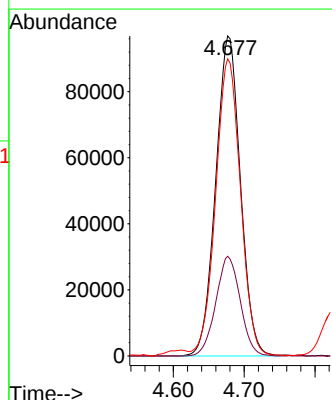
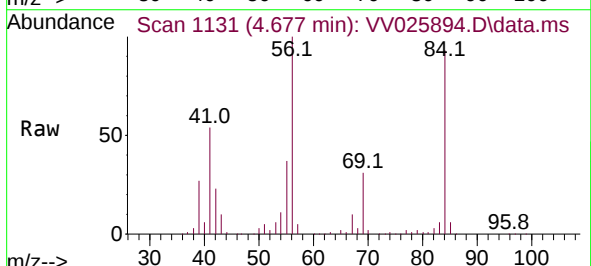
Tgt Ion: 56 Resp: 234765

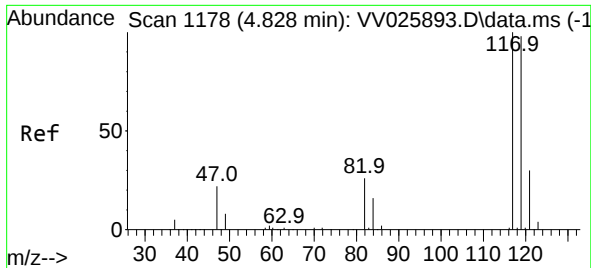
Ion Ratio Lower Upper

56 100

69 30.7 24.6 37.0

84 93.6 75.0 112.4

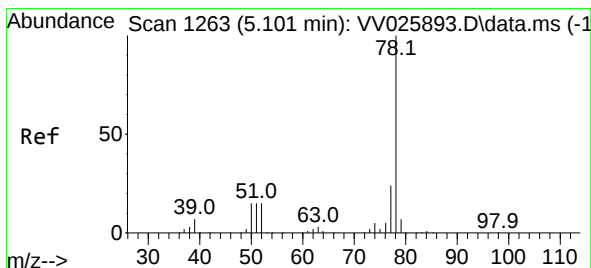
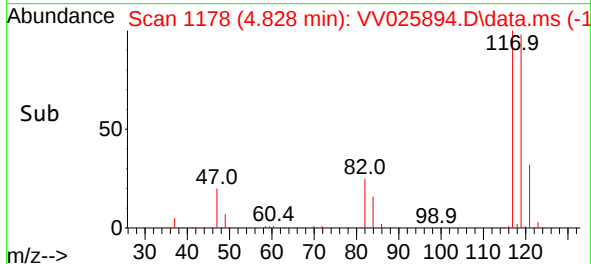
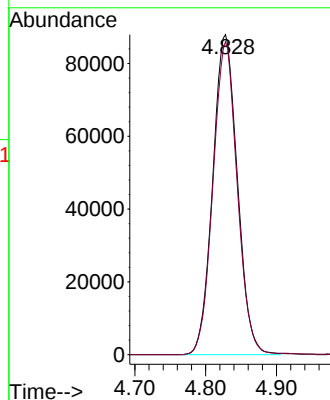
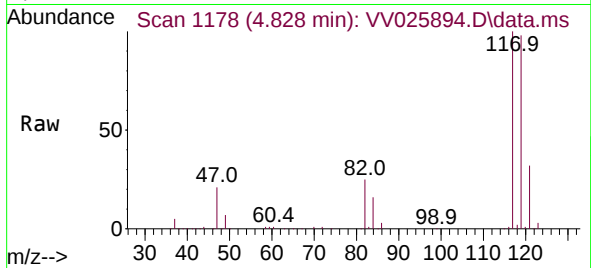




#31  
Carbon tetrachloride  
Concen: 9.878 ug/L  
RT: 4.828 min Scan# 1178  
Delta R.T. 0.000 min  
Lab File: VV025894.D  
Acq: 13 May 2022 16:32

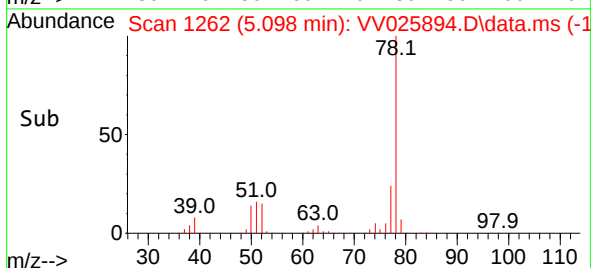
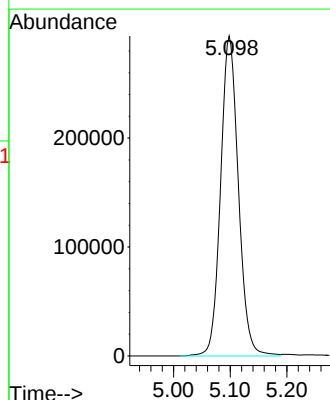
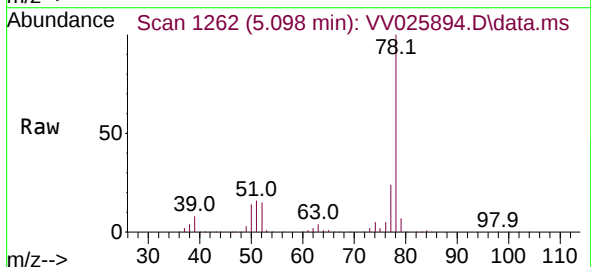
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MSVOA\_V  
ClientSampleId :  
VSTD010246

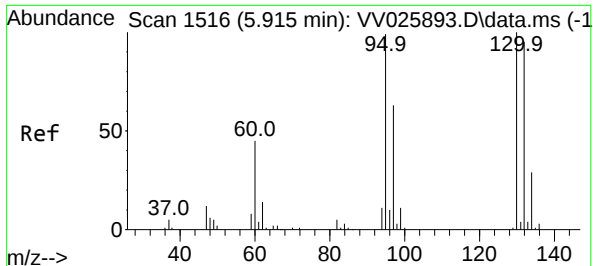
Tgt Ion:117 Resp: 212526  
Ion Ratio Lower Upper  
117 100  
119 96.5 77.0 115.6



#33  
Benzene  
Concen: 10.314 ug/L  
RT: 5.098 min Scan# 1262  
Delta R.T. -0.003 min  
Lab File: VV025894.D  
Acq: 13 May 2022 16:32

Tgt Ion: 78 Resp: 640254

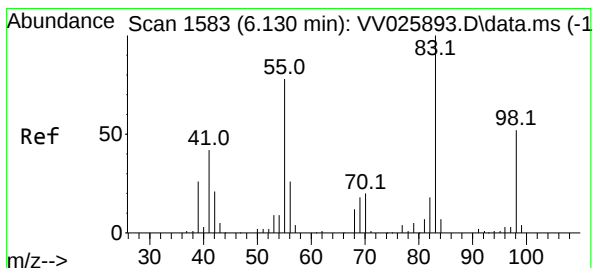
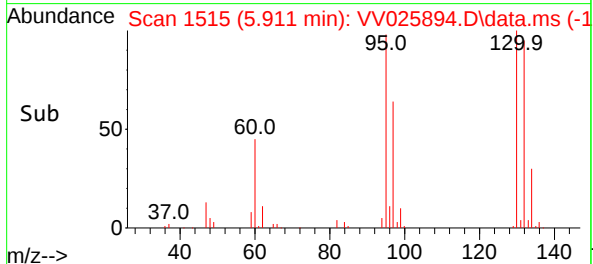
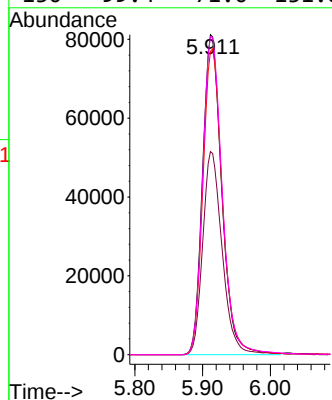
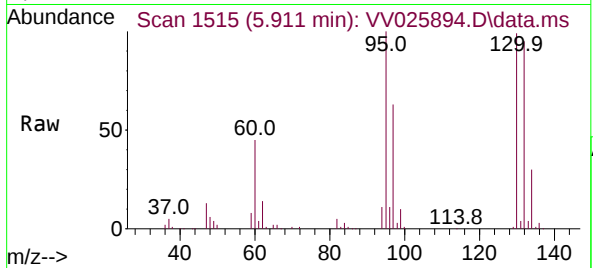




#34  
Trichloroethene  
Concen: 9.813 ug/L  
RT: 5.911 min Scan# 1516  
Delta R.T. -0.003 min  
Lab File: VV025894.D  
Acq: 13 May 2022 16:32

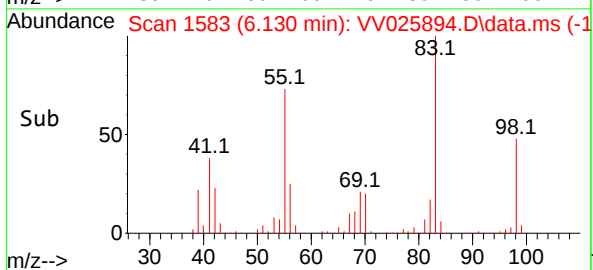
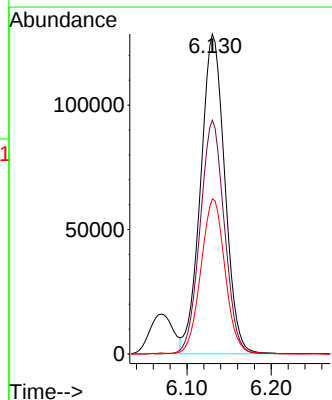
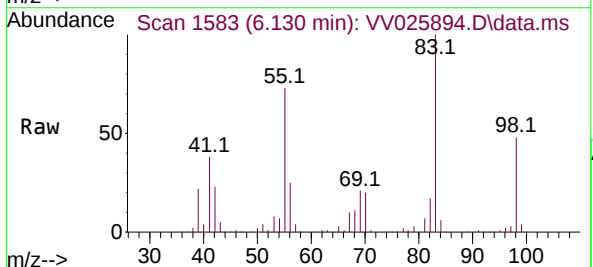
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010246

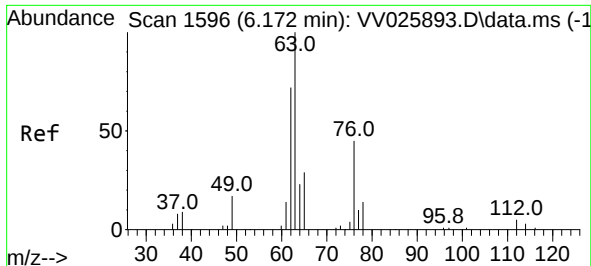
Tgt Ion: 95 Resp: 160298  
Ion Ratio Lower Upper  
95 100  
97 63.5 44.9 83.3  
132 94.8 67.6 125.6  
130 99.4 71.0 131.8



#35  
Methylcyclohexane  
Concen: 10.250 ug/L  
RT: 6.130 min Scan# 1583  
Delta R.T. 0.000 min  
Lab File: VV025894.D  
Acq: 13 May 2022 16:32

Tgt Ion: 83 Resp: 256250  
Ion Ratio Lower Upper  
83 100  
55 73.5 60.1 90.1  
98 48.6 40.6 61.0





#37

1,2-Dichloropropane

Concen: 10.498 ug/L

RT: 6.172 min Scan# 156900

Delta R.T. 0.000 min

Lab File: VV025894.D

Acq: 13 May 2022 16:32

Instrument :

MSVOA\_V

ClientSampleId :

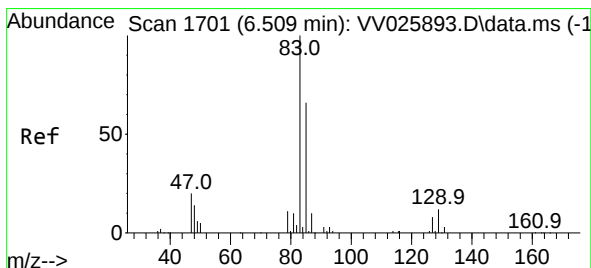
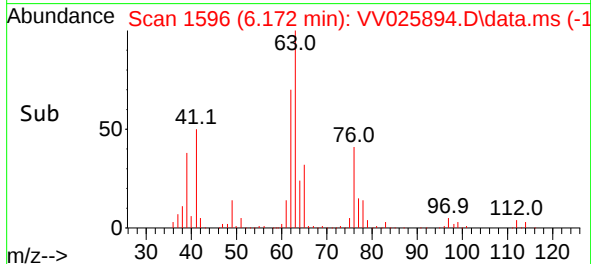
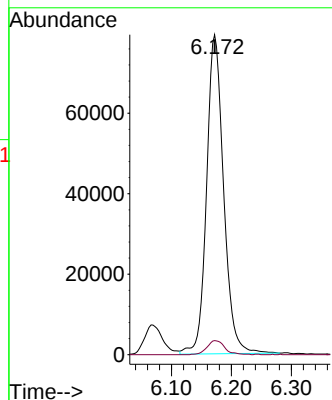
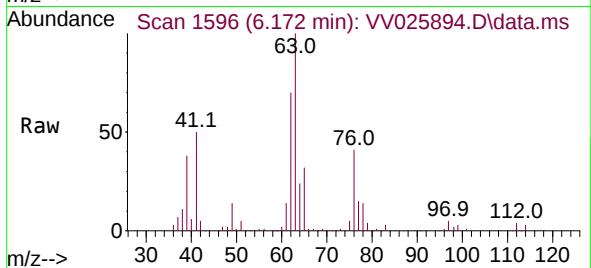
VSTD010246

Tgt Ion: 63 Resp: 156900

Ion Ratio Lower Upper

63 100

112 4.6 3.9 5.9



#38

Bromodichloromethane

Concen: 10.230 ug/L

RT: 6.510 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VV025894.D

Acq: 13 May 2022 16:32

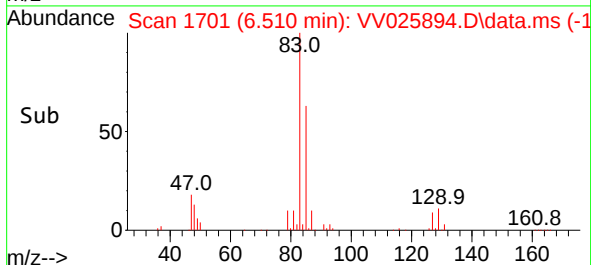
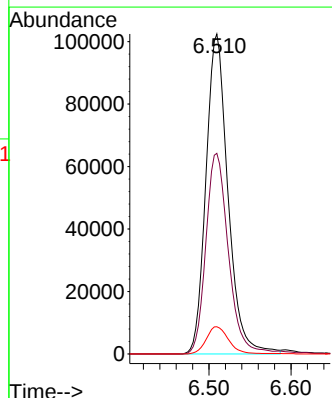
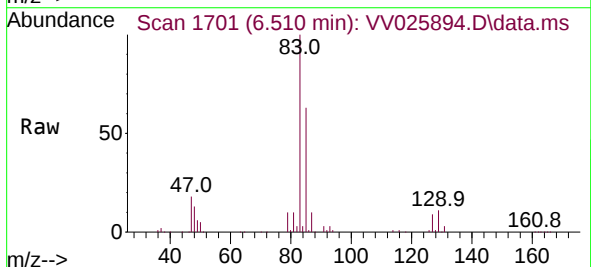
Tgt Ion: 83 Resp: 191117

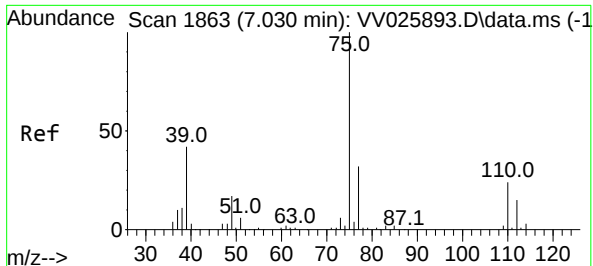
Ion Ratio Lower Upper

83 100

85 62.7 46.1 85.5

127 8.5 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 11.198 ug/L

RT: 7.027 min Scan# 1862

Delta R.T. -0.003 min

Lab File: VV025894.D

Acq: 13 May 2022 16:32

Instrument :

MSVOA\_V

ClientSampleId :

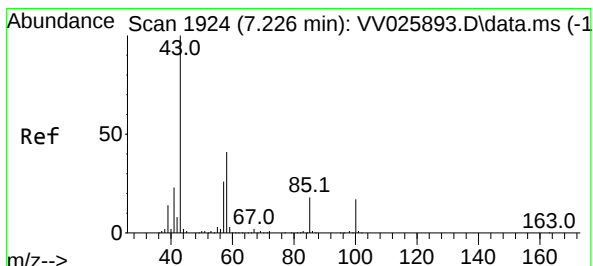
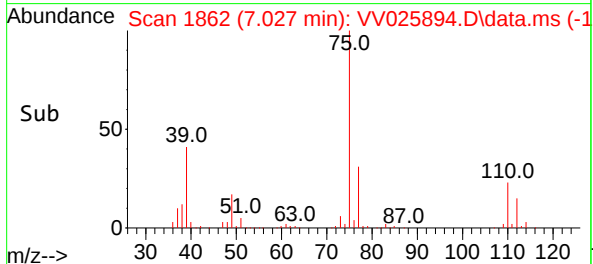
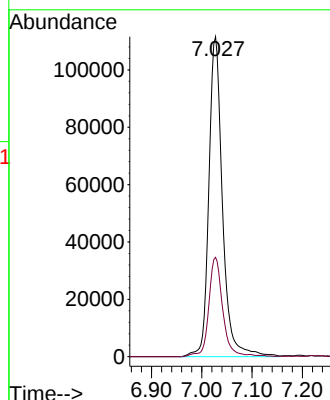
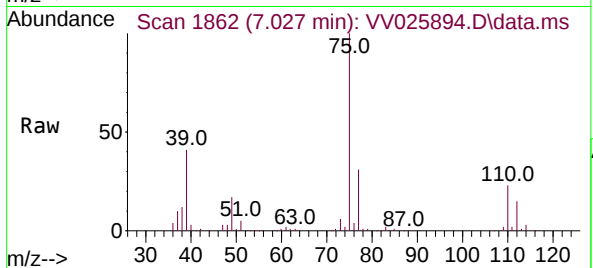
VSTD010246

Tgt Ion: 75 Resp: 210134

Ion Ratio Lower Upper

75 100

77 31.1 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 127.936 ug/L

RT: 7.227 min Scan# 1924

Delta R.T. 0.000 min

Lab File: VV025894.D

Acq: 13 May 2022 16:32

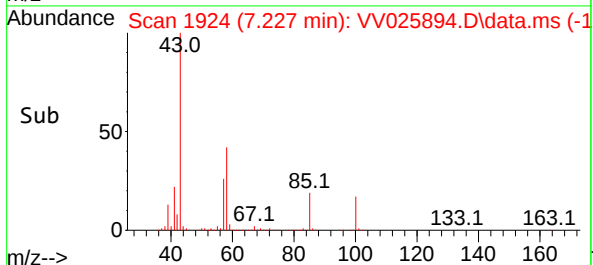
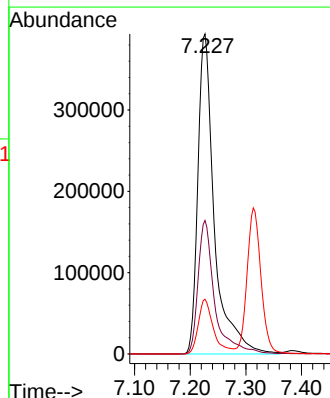
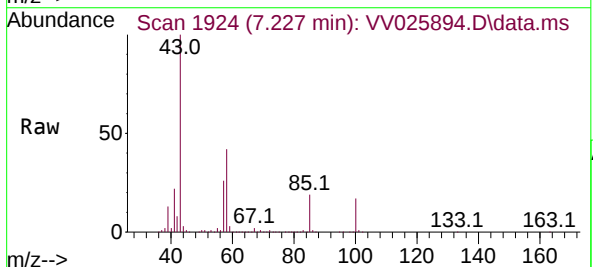
Tgt Ion: 43 Resp: 812486

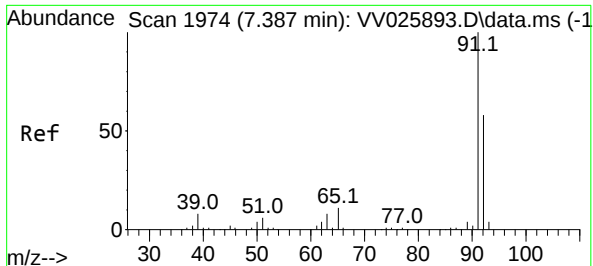
Ion Ratio Lower Upper

43 100

58 42.0 31.6 47.4

100 15.8 12.2 18.4





#42

Toluene

Concen: 10.528 ug/L

RT: 7.387 min Scan# 1974

Delta R.T. 0.000 min

Lab File: VV025894.D

Acq: 13 May 2022 16:32

Instrument :

MSVOA\_V

ClientSampleId :

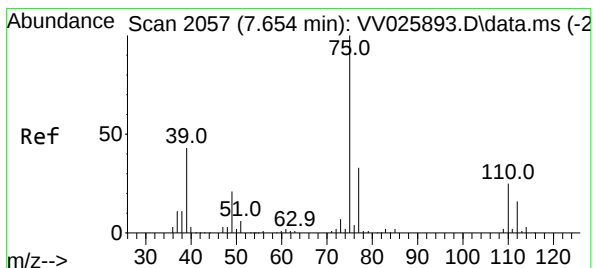
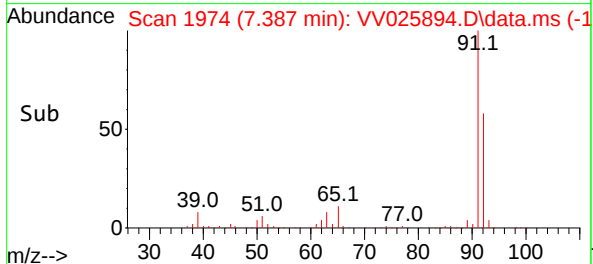
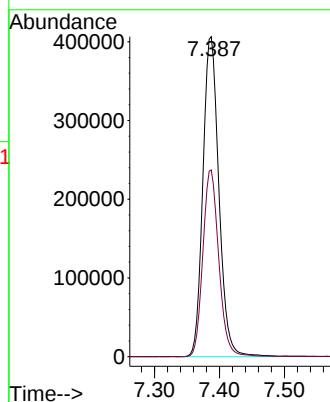
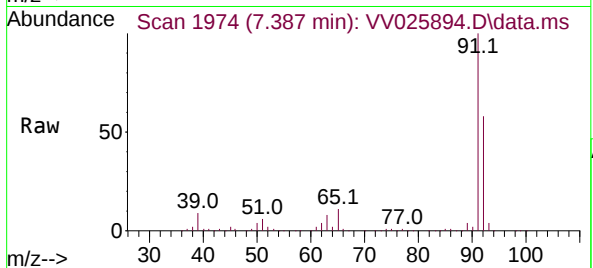
VSTD010246

Tgt Ion: 91 Resp: 697871

Ion Ratio Lower Upper

91 100

92 58.3 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 11.658 ug/L

RT: 7.651 min Scan# 2056

Delta R.T. -0.003 min

Lab File: VV025894.D

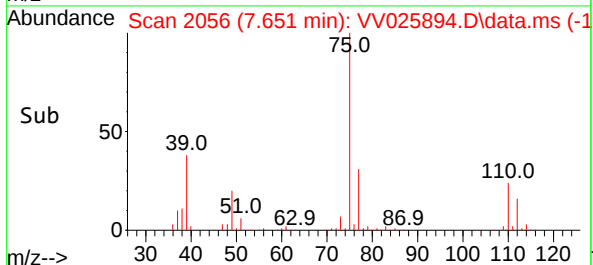
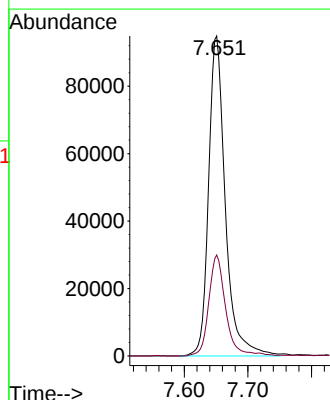
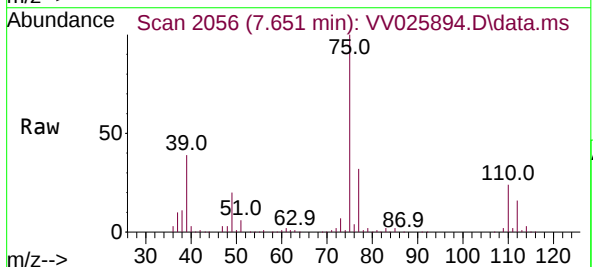
Acq: 13 May 2022 16:32

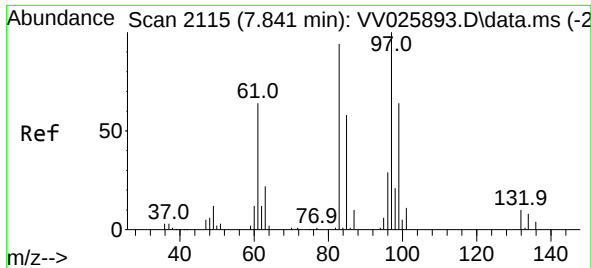
Tgt Ion: 75 Resp: 173432

Ion Ratio Lower Upper

75 100

77 31.5 23.1 42.9



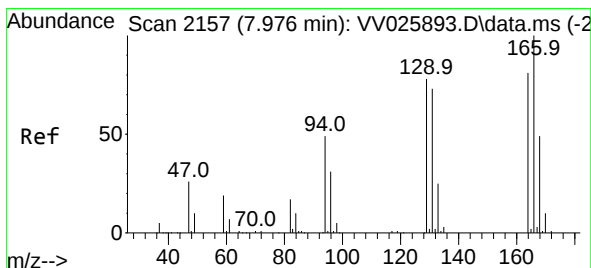
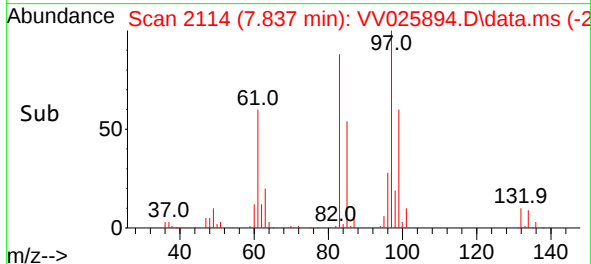
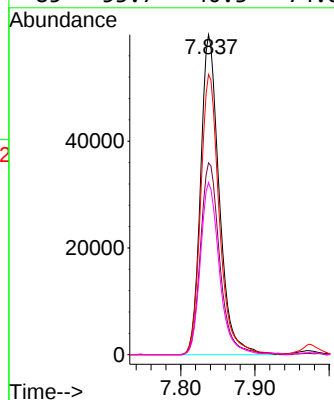
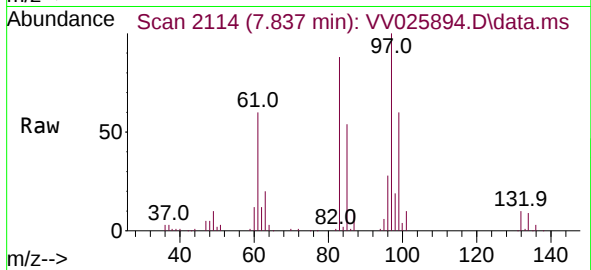


#45  
1,1,2-Trichloroethane  
Concen: 10.838 ug/L  
RT: 7.837 min Scan# 2114  
Delta R.T. -0.003 min  
Lab File: VV025894.D  
Acq: 13 May 2022 16:32

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010246

Tgt Ion: 97 Resp: 104467

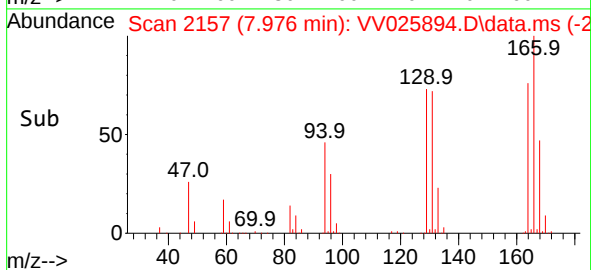
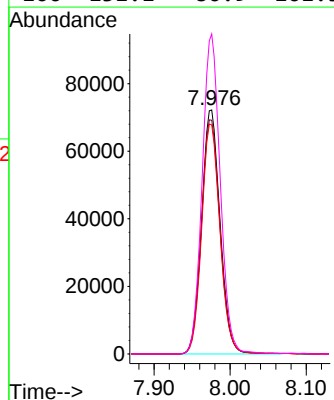
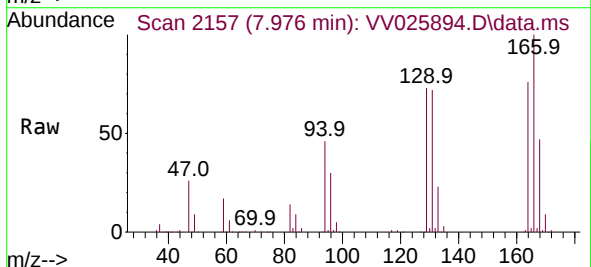
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 59.9  | 44.8  | 83.2  |
| 83  | 87.6  | 65.7  | 121.9 |
| 85  | 53.7  | 40.3  | 74.8  |

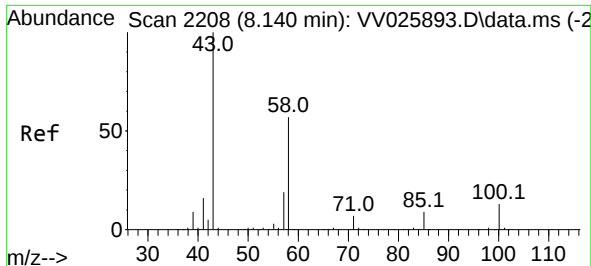


#47  
Tetrachloroethene  
Concen: 8.804 ug/L  
RT: 7.976 min Scan# 2157  
Delta R.T. 0.000 min  
Lab File: VV025894.D  
Acq: 13 May 2022 16:32

Tgt Ion: 164 Resp: 122043

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 95.8  | 67.5  | 125.4 |
| 131 | 93.9  | 63.8  | 118.4 |
| 166 | 131.1 | 86.9  | 161.3 |



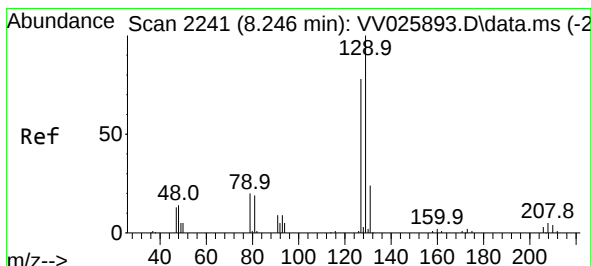
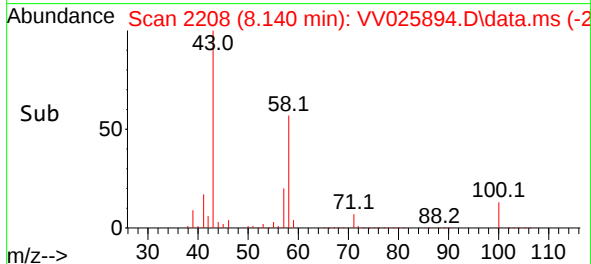
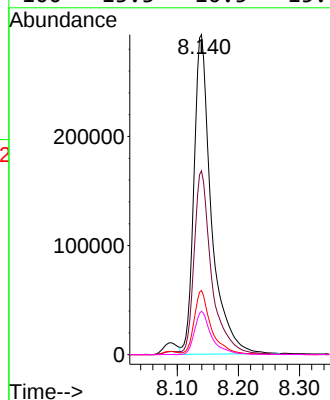
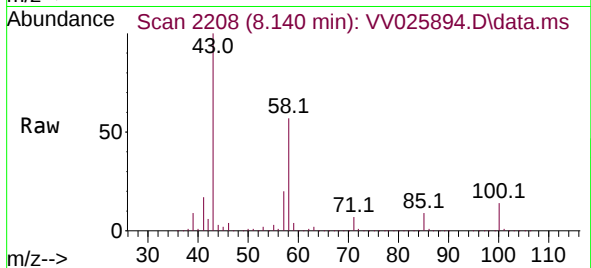


#48  
2-Hexanone  
Concen: 129.813 ug/L  
RT: 8.140 min Scan# 2208  
Delta R.T. 0.000 min  
Lab File: VV025894.D  
Acq: 13 May 2022 16:32

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010246

Tgt Ion: 43 Resp: 579460

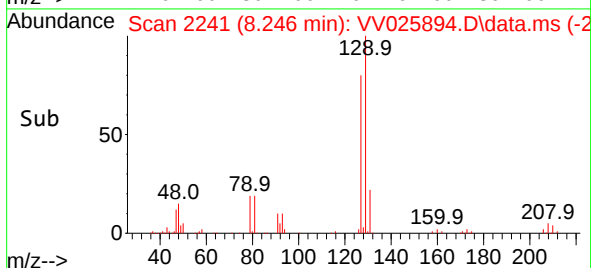
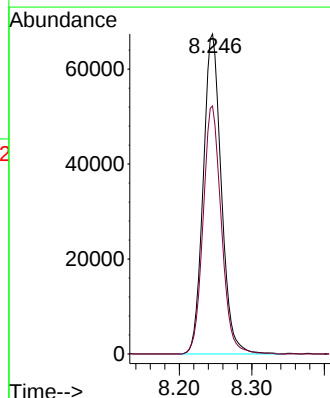
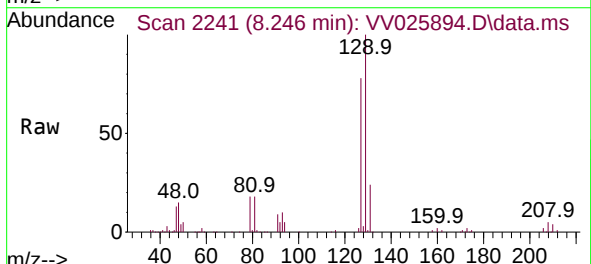
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 57.1  | 44.7  | 67.1  |
| 57  | 19.6  | 14.9  | 22.3  |
| 100 | 13.3  | 10.5  | 15.7  |

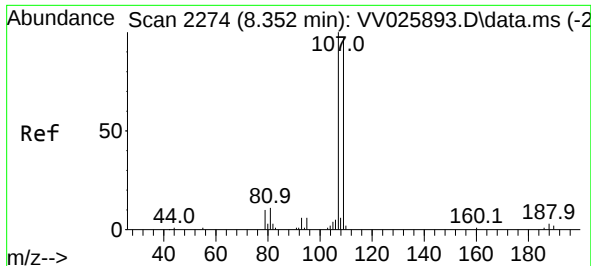


#49  
Dibromochloromethane  
Concen: 10.935 ug/L  
RT: 8.246 min Scan# 2241  
Delta R.T. 0.000 min  
Lab File: VV025894.D  
Acq: 13 May 2022 16:32

Tgt Ion: 129 Resp: 116892

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 77.5  | 54.5  | 101.1 |





#50

1,2-Dibromoethane

Concen: 11.088 ug/L

RT: 8.352 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV025894.D

Acq: 13 May 2022 16:32

Instrument :

MSVOA\_V

ClientSampleId :

VSTD010246

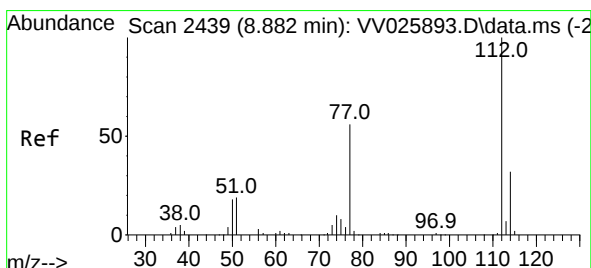
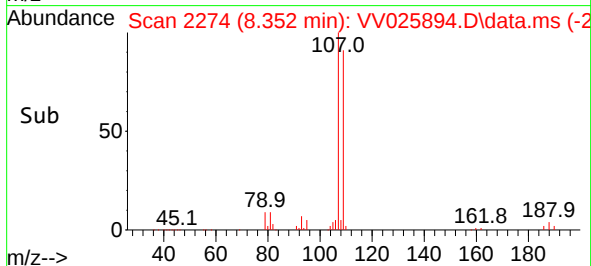
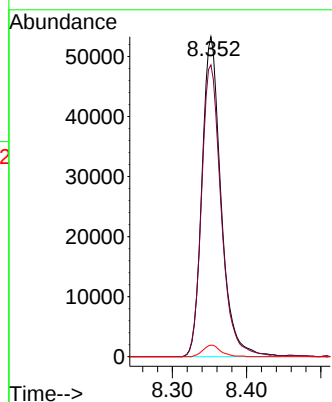
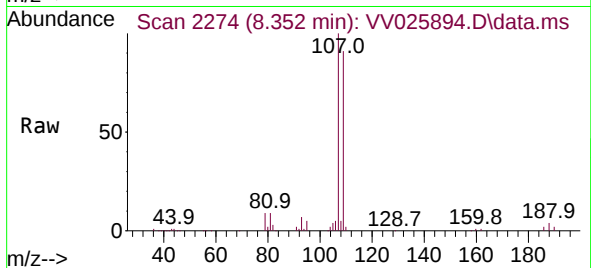
Tgt Ion:107 Resp: 95029

Ion Ratio Lower Upper

107 100

109 91.2 68.1 126.5

188 3.6 2.7 4.1



#51

Chlorobenzene

Concen: 10.232 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. -0.003 min

Lab File: VV025894.D

Acq: 13 May 2022 16:32

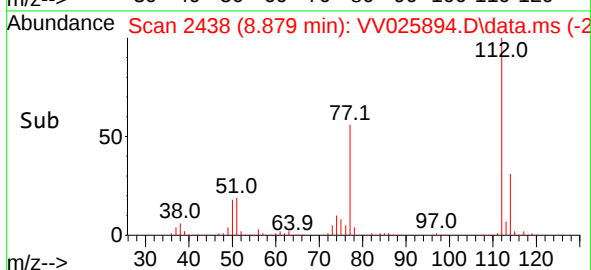
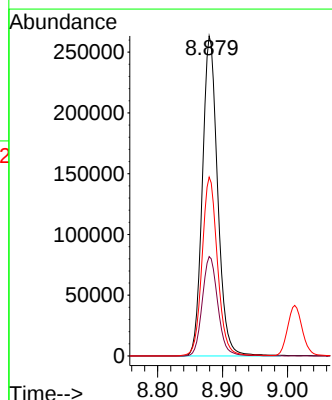
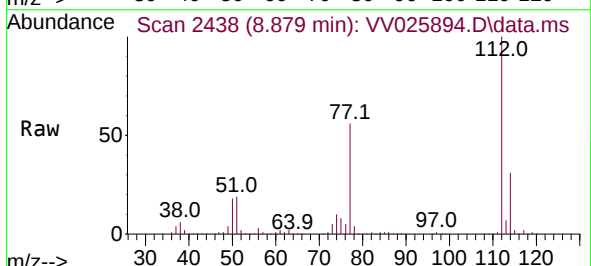
Tgt Ion:112 Resp: 430968

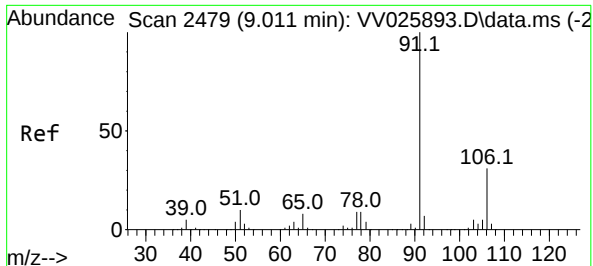
Ion Ratio Lower Upper

112 100

114 31.1 22.3 41.3

77 55.9 45.3 67.9

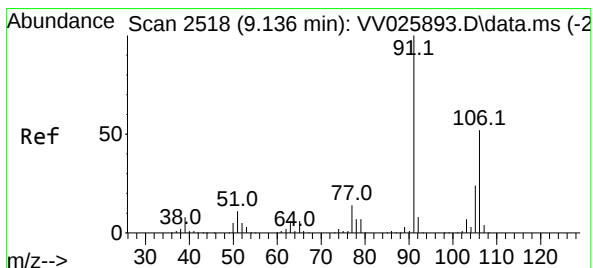
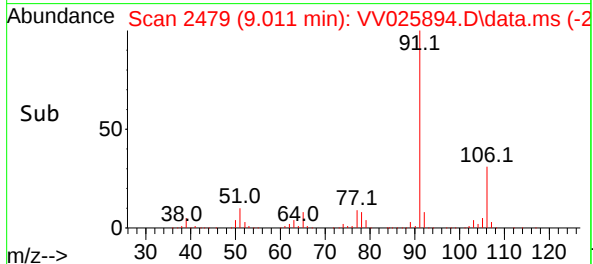
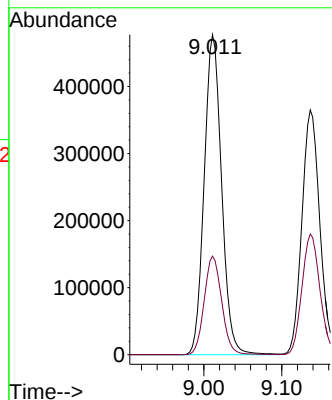
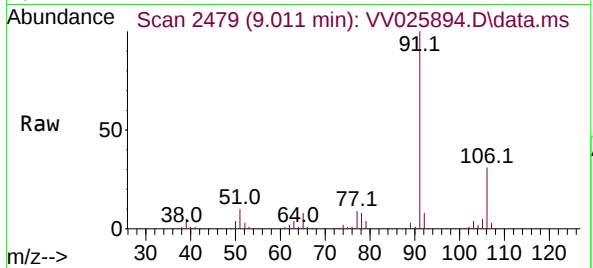




#52  
Ethylbenzene  
Concen: 10.783 ug/L  
RT: 9.011 min Scan# 2479  
Delta R.T. 0.000 min  
Lab File: VV025894.D  
Acq: 13 May 2022 16:32

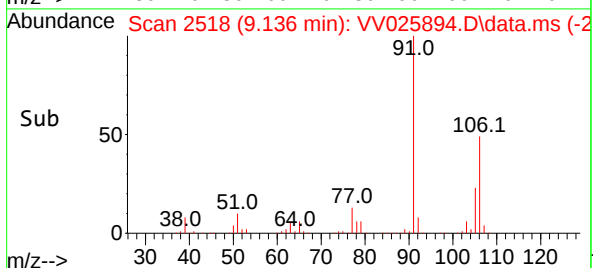
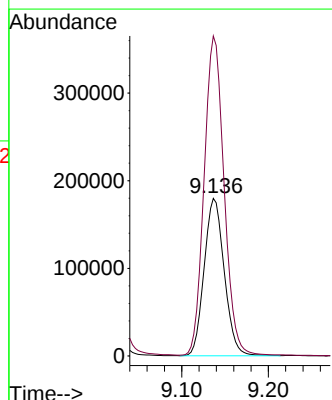
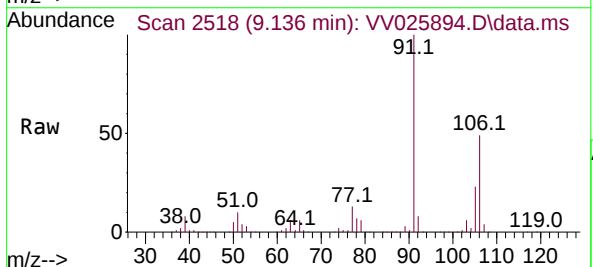
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010246

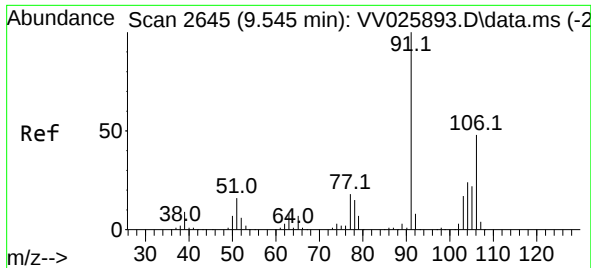
Tgt Ion: 91 Resp: 740088  
Ion Ratio Lower Upper  
91 100  
106 30.8 21.6 40.0



#53  
m,p-Xylene  
Concen: 10.708 ug/L  
RT: 9.136 min Scan# 2518  
Delta R.T. 0.000 min  
Lab File: VV025894.D  
Acq: 13 May 2022 16:32

Tgt Ion: 106 Resp: 289341  
Ion Ratio Lower Upper  
106 100  
91 203.0 135.3 251.3

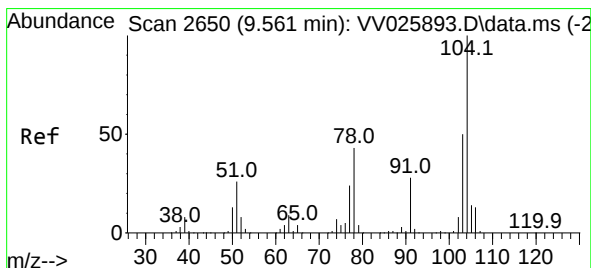
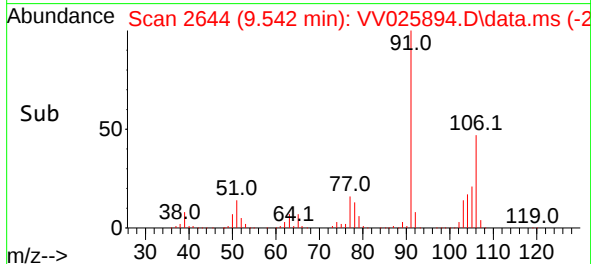
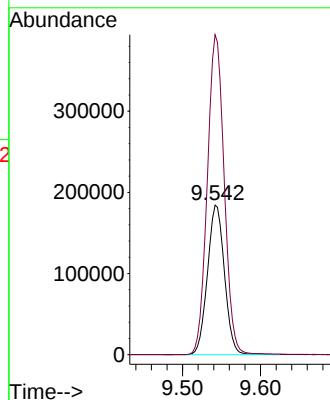
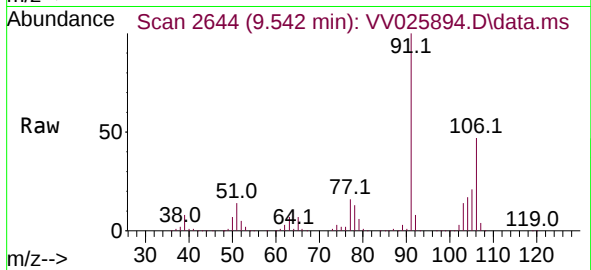




#54  
o-Xylene  
Concen: 10.931 ug/L  
RT: 9.542 min Scan# 2644  
Delta R.T. -0.003 min  
Lab File: VV025894.D  
Acq: 13 May 2022 16:32

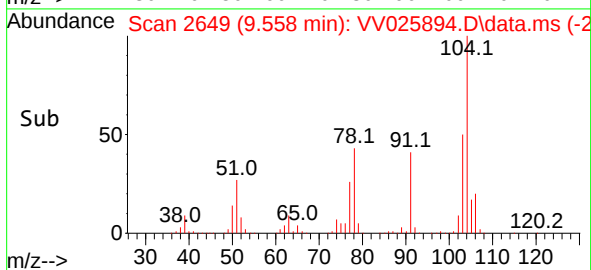
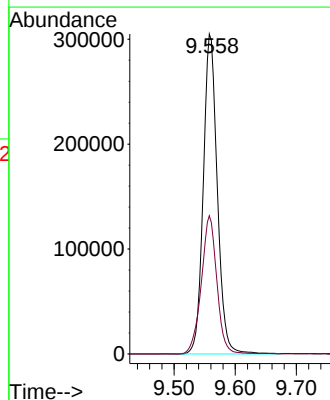
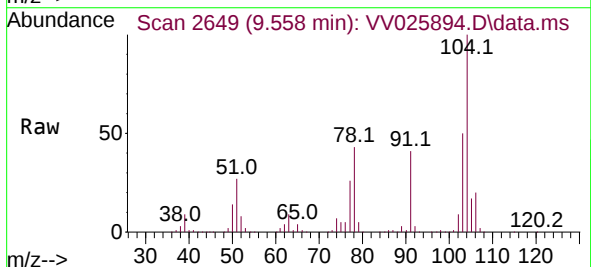
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010246

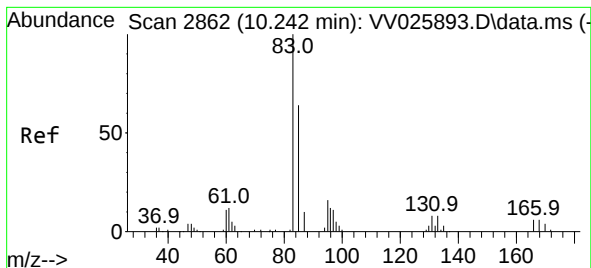
Tgt Ion:106 Resp: 279516  
Ion Ratio Lower Upper  
106 100  
91 213.9 145.1 269.5



#55  
Styrene  
Concen: 11.528 ug/L  
RT: 9.558 min Scan# 2649  
Delta R.T. -0.003 min  
Lab File: VV025894.D  
Acq: 13 May 2022 16:32

Tgt Ion:104 Resp: 486070  
Ion Ratio Lower Upper  
104 100  
78 43.2 30.0 55.8

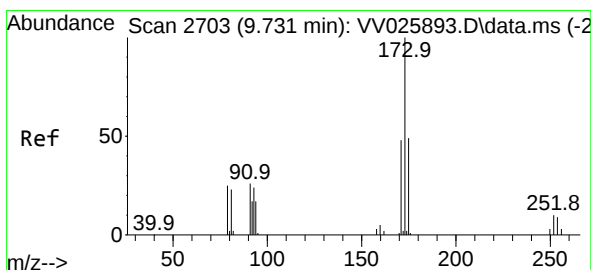
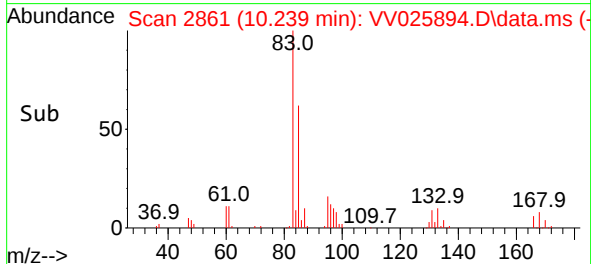
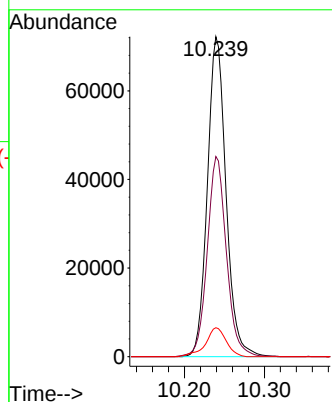
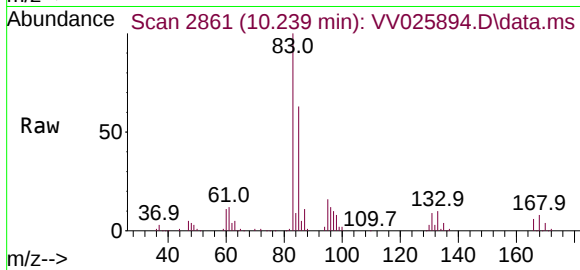




#57  
1,1,2,2-Tetrachloroethane  
Concen: 11.314 ug/L  
RT: 10.239 min Scan# 2861  
Delta R.T. -0.003 min  
Lab File: VV025894.D  
Acq: 13 May 2022 16:32

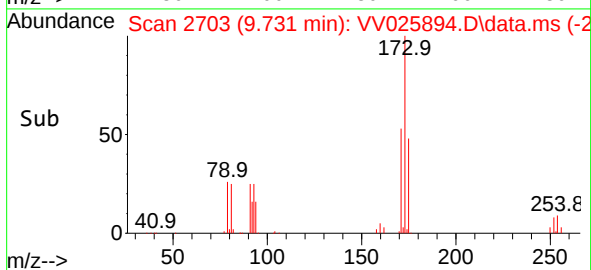
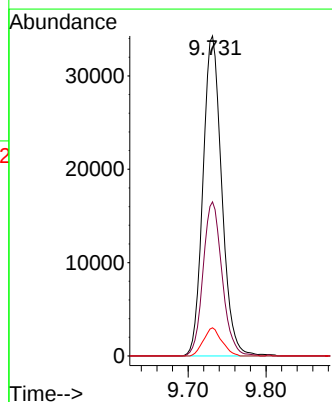
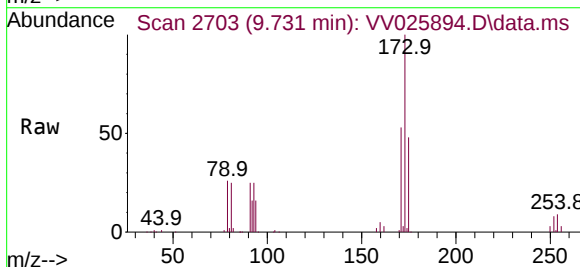
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010246

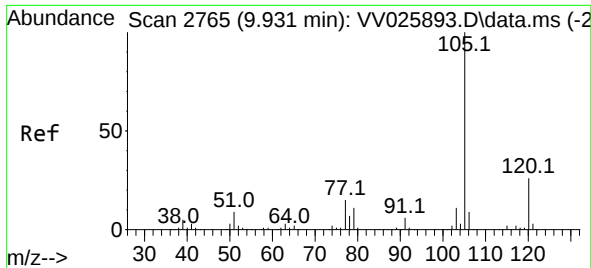
Tgt Ion: 83 Resp: 117072  
Ion Ratio Lower Upper  
83 100  
85 62.6 44.5 82.7  
131 9.1 6.7 10.1



#59  
Bromoform  
Concen: 11.201 ug/L  
RT: 9.731 min Scan# 2703  
Delta R.T. 0.000 min  
Lab File: VV025894.D  
Acq: 13 May 2022 16:32

Tgt Ion: 173 Resp: 57469  
Ion Ratio Lower Upper  
173 100  
175 48.7 39.4 59.2  
254 8.6 7.0 10.6

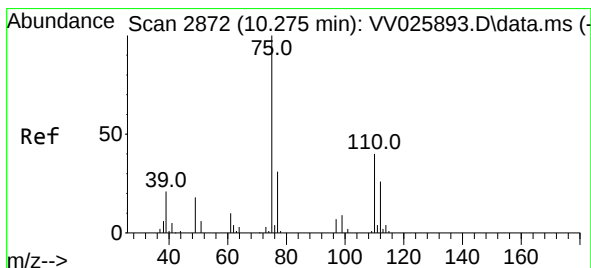
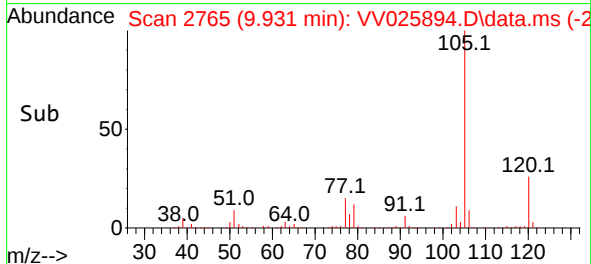
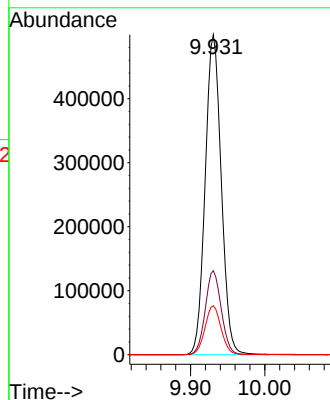
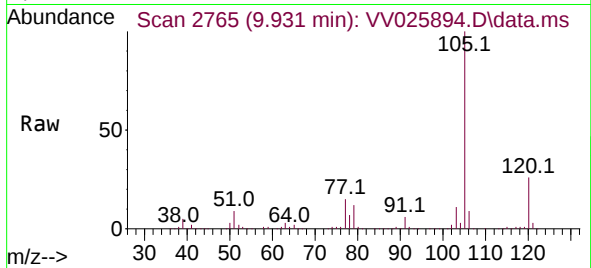




#60  
Isopropylbenzene  
Concen: 10.228 ug/L  
RT: 9.931 min Scan# 2765  
Delta R.T. 0.000 min  
Lab File: VV025894.D  
Acq: 13 May 2022 16:32

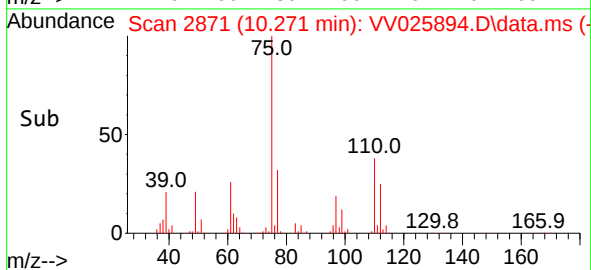
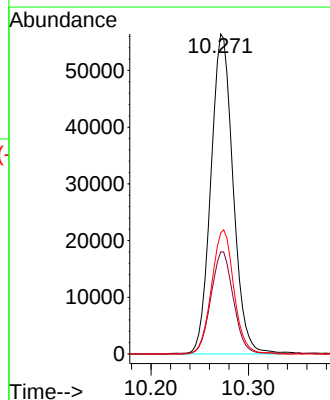
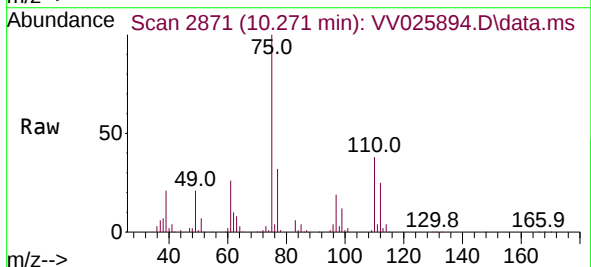
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010246

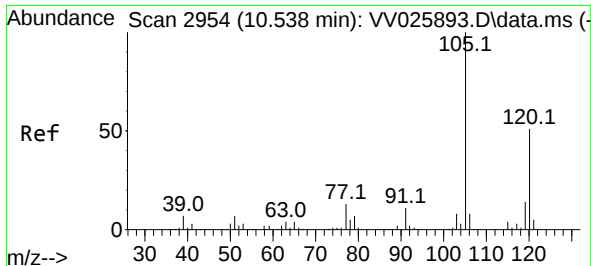
Tgt Ion:105 Resp: 749612  
Ion Ratio Lower Upper  
105 100  
120 26.1 20.7 31.1  
77 15.4 12.5 18.7



#61  
1,2,3-Trichloropropane  
Concen: 10.248 ug/L  
RT: 10.271 min Scan# 2871  
Delta R.T. -0.003 min  
Lab File: VV025894.D  
Acq: 13 May 2022 16:32

Tgt Ion: 75 Resp: 89496  
Ion Ratio Lower Upper  
75 100  
77 32.7 26.2 39.2  
110 38.9 32.4 48.6





#62

1,3,5-Trimethylbenzene

Concen: 10.376 ug/L

RT: 10.538 min Scan# 2954

Delta R.T. 0.000 min

Lab File: VV025894.D

Acq: 13 May 2022 16:32

Instrument :

MSVOA\_V

ClientSampleId :

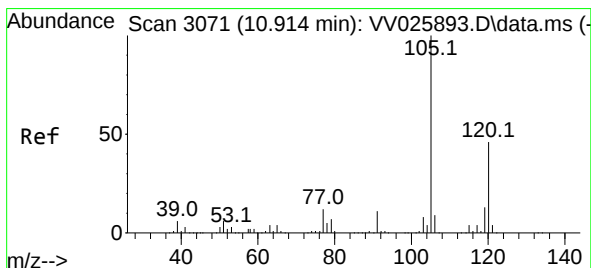
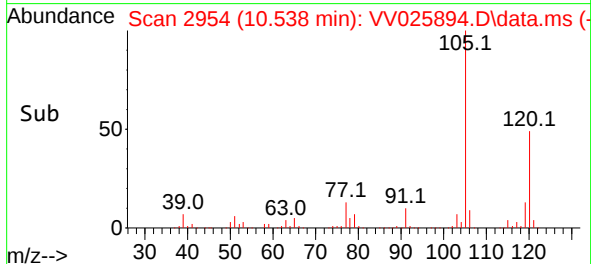
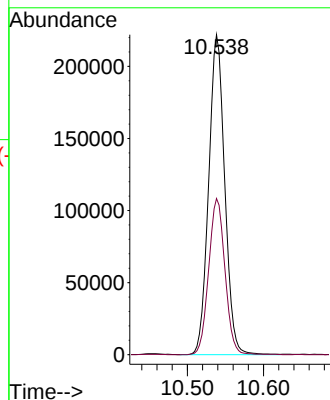
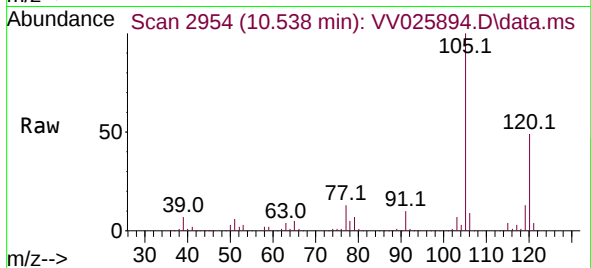
VSTD010246

Tgt Ion:105 Resp: 325974

Ion Ratio Lower Upper

105 100

120 49.3 40.4 60.6



#63

1,2,4-Trimethylbenzene

Concen: 10.777 ug/L

RT: 10.915 min Scan# 3071

Delta R.T. 0.000 min

Lab File: VV025894.D

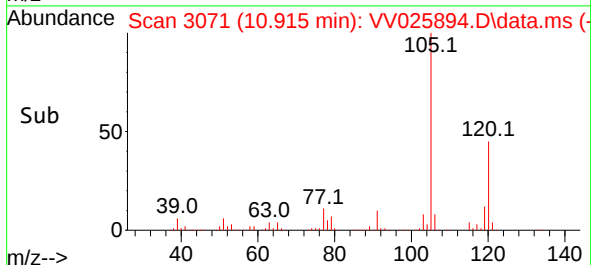
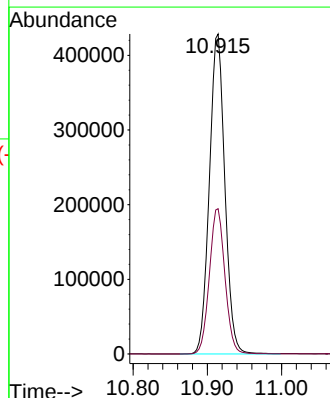
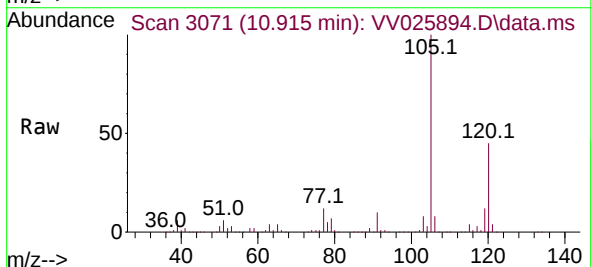
Acq: 13 May 2022 16:32

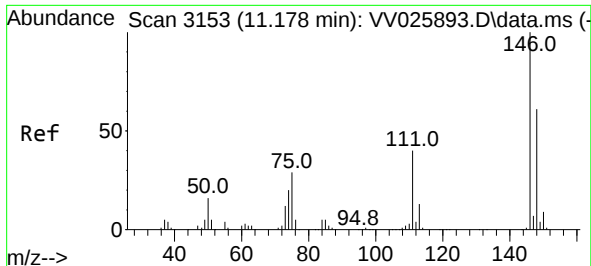
Tgt Ion:105 Resp: 618705

Ion Ratio Lower Upper

105 100

120 45.7 36.8 55.2

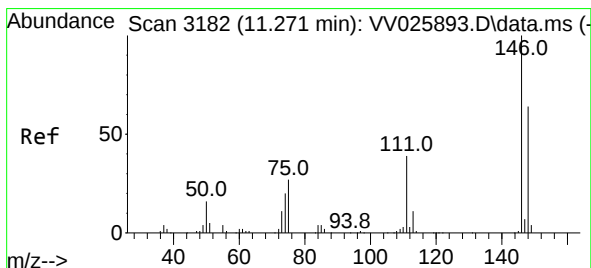
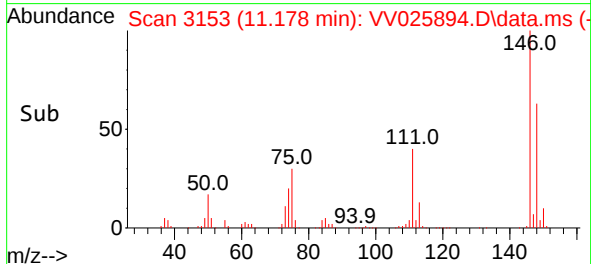
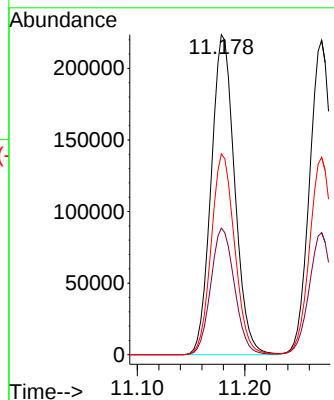
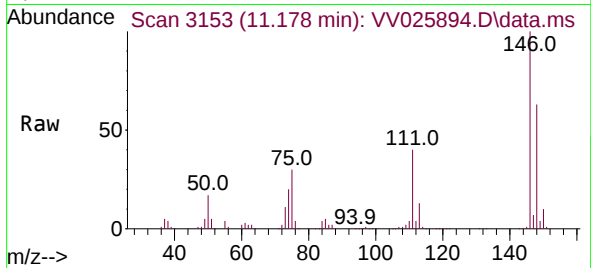




#64  
1,3-Dichlorobenzene  
Concen: 10.061 ug/L  
RT: 11.178 min Scan# 3153  
Delta R.T. 0.000 min  
Lab File: VV025894.D  
Acq: 13 May 2022 16:32

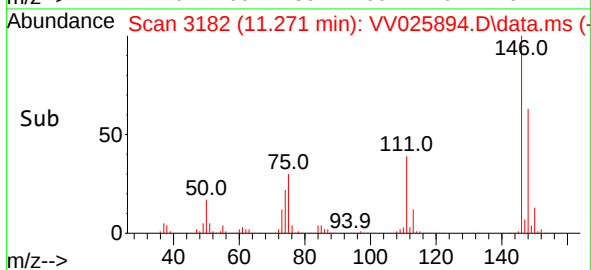
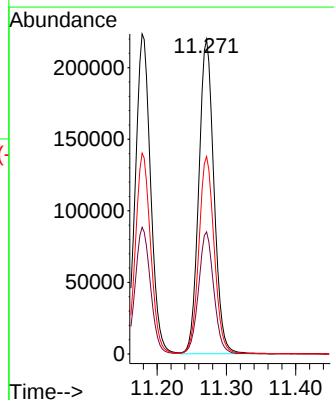
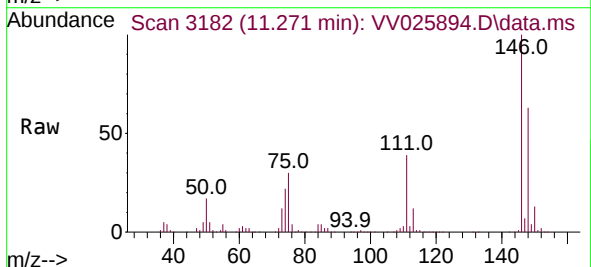
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010246

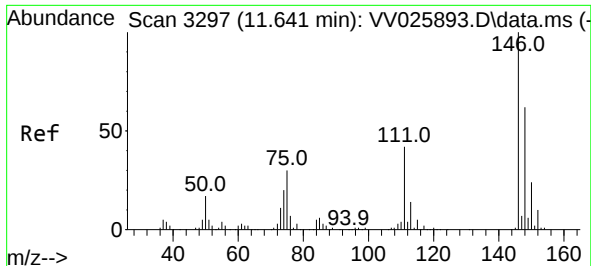
Tgt Ion:146 Resp: 340091  
Ion Ratio Lower Upper  
146 100  
111 39.5 28.2 52.4  
148 62.8 42.6 79.0



#65  
1,4-Dichlorobenzene  
Concen: 9.741 ug/L  
RT: 11.271 min Scan# 3182  
Delta R.T. 0.000 min  
Lab File: VV025894.D  
Acq: 13 May 2022 16:32

Tgt Ion:146 Resp: 334528  
Ion Ratio Lower Upper  
146 100  
111 38.8 27.5 51.1  
148 62.8 44.7 82.9

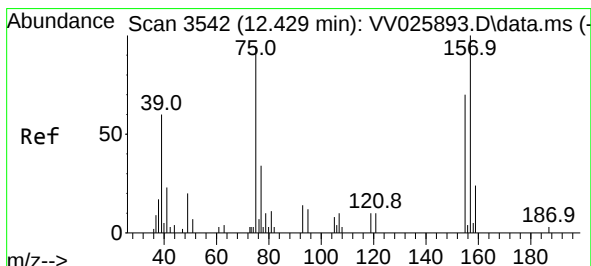
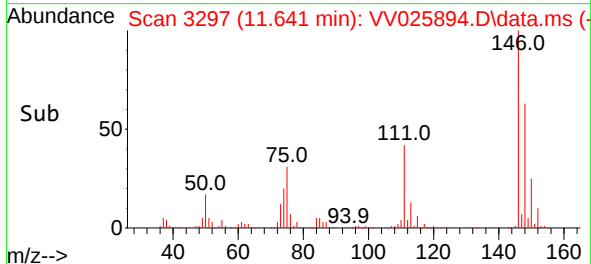
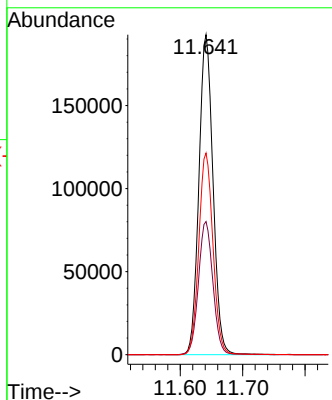
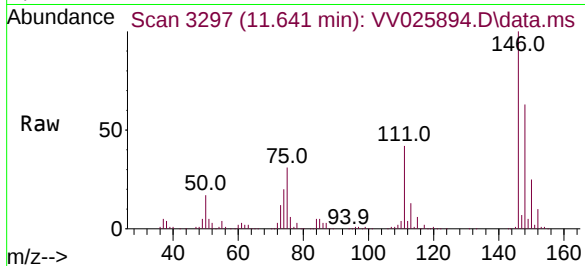




#67  
 1,2-Dichlorobenzene  
 Concen: 10.071 ug/L  
 RT: 11.641 min Scan# 31  
 Delta R.T. 0.000 min  
 Lab File: VV025894.D  
 Acq: 13 May 2022 16:32

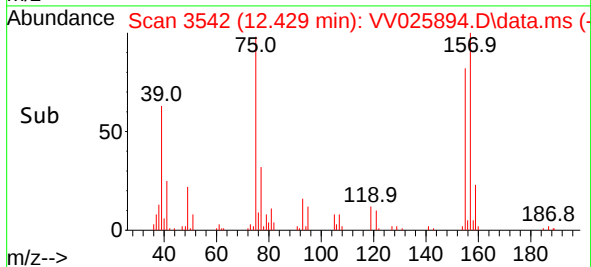
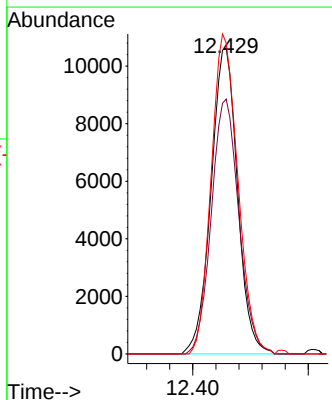
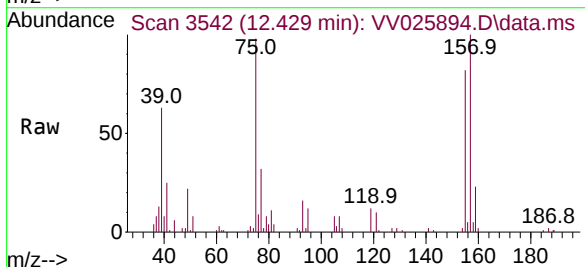
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD010246

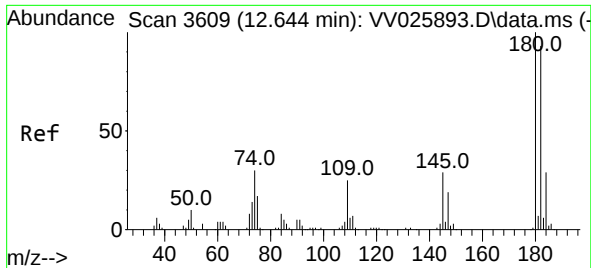
Tgt Ion:146 Resp: 302845  
 Ion Ratio Lower Upper  
 146 100  
 111 41.6 33.6 50.4  
 148 63.0 49.4 74.2



#68  
 1,2-Dibromo-3-chloropropane  
 Concen: 10.424 ug/L  
 RT: 12.429 min Scan# 3542  
 Delta R.T. 0.000 min  
 Lab File: VV025894.D  
 Acq: 13 May 2022 16:32

Tgt Ion: 75 Resp: 16907  
 Ion Ratio Lower Upper  
 75 100  
 155 83.4 59.6 89.4  
 157 101.7 85.3 127.9

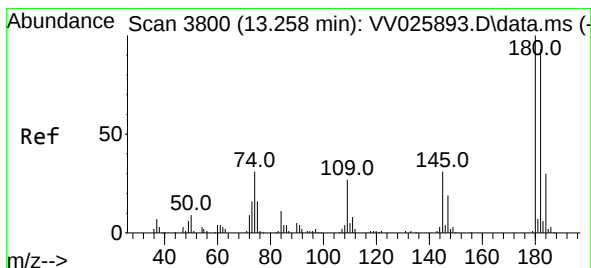
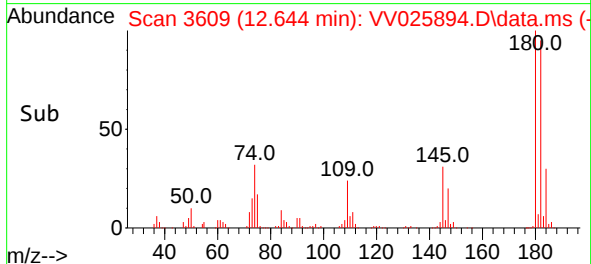
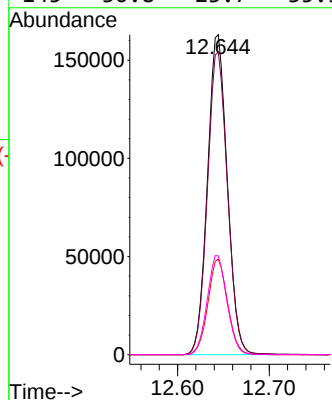
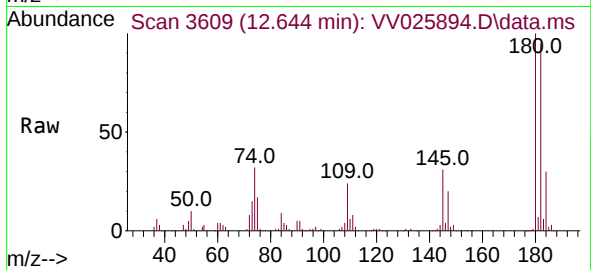




#69  
1,3,5-Trichlorobenzene  
Concen: 9.630 ug/L  
RT: 12.644 min Scan# 3609  
Delta R.T. 0.000 min  
Lab File: VV025894.D  
Acq: 13 May 2022 16:32

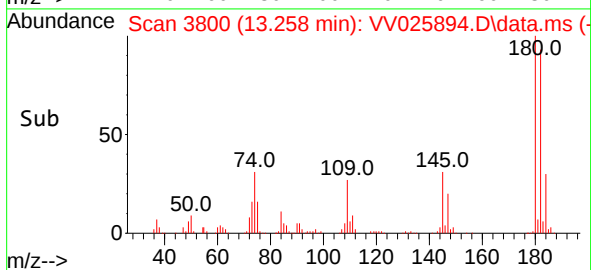
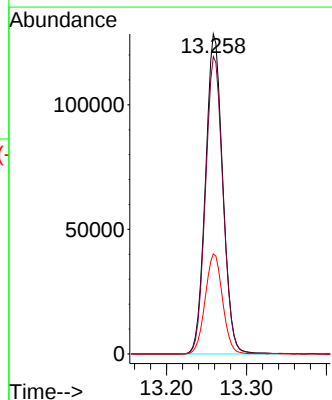
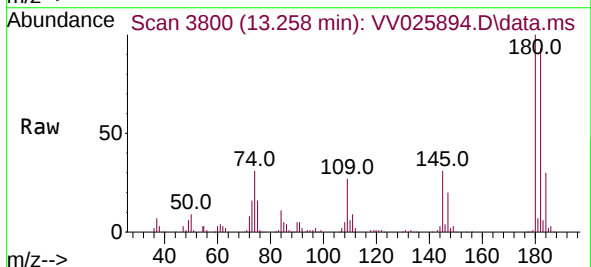
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010246

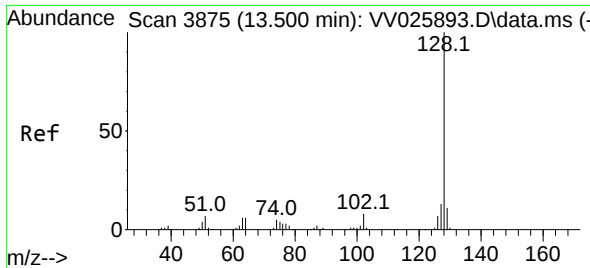
Tgt Ion:180 Resp: 245059  
Ion Ratio Lower Upper  
180 100  
182 95.4 74.3 111.5  
184 29.5 23.5 35.3  
145 30.8 23.7 35.5



#70  
1,2,4-trichlorobenzene  
Concen: 10.212 ug/L  
RT: 13.258 min Scan# 3800  
Delta R.T. 0.000 min  
Lab File: VV025894.D  
Acq: 13 May 2022 16:32

Tgt Ion:180 Resp: 193153  
Ion Ratio Lower Upper  
180 100  
182 94.2 75.0 112.4  
145 31.5 25.1 37.7

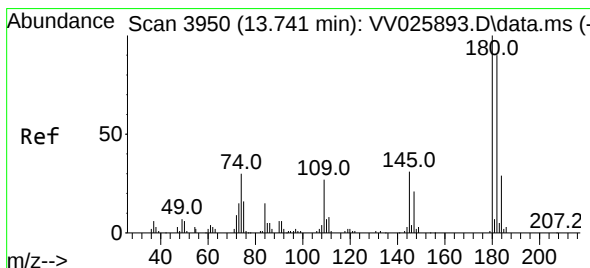
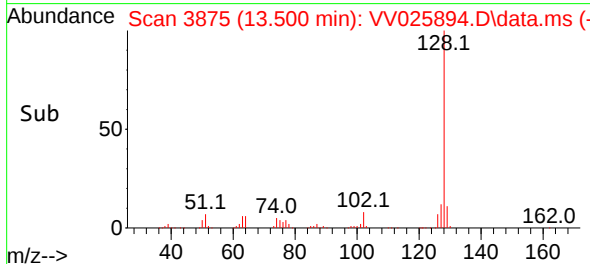
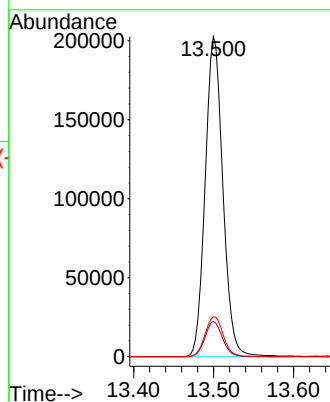
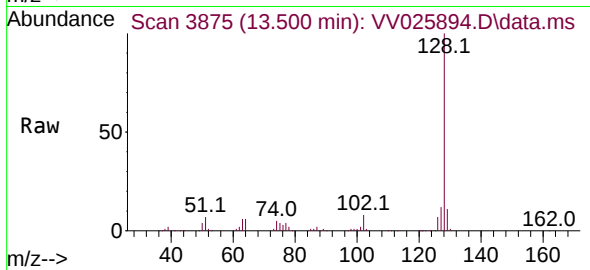




#71  
Naphthalene  
Concen: 11.580 ug/L  
RT: 13.500 min Scan# 311982  
Delta R.T. 0.000 min  
Lab File: VV025894.D  
Acq: 13 May 2022 16:32

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010246

Tgt Ion:128 Resp: 311982  
Ion Ratio Lower Upper  
128 100  
129 10.8 8.8 13.2  
127 12.9 10.4 15.6



#72  
1,2,3-Trichlorobenzene  
Concen: 10.891 ug/L  
RT: 13.741 min Scan# 3950  
Delta R.T. 0.000 min  
Lab File: VV025894.D  
Acq: 13 May 2022 16:32

Tgt Ion:180 Resp: 169279  
Ion Ratio Lower Upper  
180 100  
182 94.0 73.5 110.3  
145 33.3 25.9 38.9

