

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW012822\  
 Data File : VW024477.D  
 Acq On : 28 Jan 2022 10:13  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005300

Quant Time: Jan 29 01:59:48 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR012622WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Jan 28 03:20:33 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.613  | 114   | 153705   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.850  | 117   | 161112   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.246 | 152   | 96061    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65    | 50451    | 3.747    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 75.000%  |
| 7) Chloroethane-d5            | 1.565  | 69    | 49320    | 4.199    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 84.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.105  | 63    | 111378   | 4.327    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 86.600%  |
| 20) 2-Butanone-d5             | 3.909  | 46    | 84854    | 39.538   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 79.080%  |
| 24) Chloroform-d              | 4.339  | 84    | 121390   | 4.751    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 95.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.027  | 65    | 55998    | 4.839    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 96.800%  |
| 32) Benzene-d6                | 5.044  | 84    | 219232   | 4.556    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 91.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.063  | 67    | 68901    | 4.547    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 91.000%  |
| 41) Toluene-d8                | 7.310  | 98    | 207367   | 4.697    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 94.000%  |
| 43) trans-1,3-Dichloroprop... | 7.619  | 79    | 23899    | 4.593    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 91.800%  |
| 46) 2-Hexanone-d5             | 8.088  | 63    | 92529    | 52.010   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 104.020% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214 | 84    | 44774    | 4.965    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 99.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152   | 75790    | 4.601    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 92.000%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.124  | 85    | 97258    | 5.611    | ug/L   | 99       |
| 3) Chloromethane              | 1.237  | 50    | 80670    | 5.121    | ug/L   | 96       |
| 5) Vinyl chloride             | 1.307  | 62    | 84145    | 5.326    | ug/L   | 98       |
| 6) Bromomethane               | 1.520  | 94    | 52212    | 5.278    | ug/L   | 99       |
| 8) Chloroethane               | 1.581  | 64    | 49390    | 5.316    | ug/L   | 95       |
| 9) Trichlorofluoromethane     | 1.751  | 101   | 123914   | 5.539    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.111  | 101   | 68248    | 5.602    | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.114  | 96    | 61798    | 5.350    | ug/L   | 100      |
| 13) Acetone                   | 2.208  | 43    | 52815    | 47.205   | ug/L   | 66       |
| 14) Carbon disulfide          | 2.291  | 76    | 187828   | 5.291    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.439  | 43    | 13714    | 4.538    | ug/L   | 93       |
| 16) Methylene chloride        | 2.503  | 84    | 61508    | 5.203    | ug/L   | 93       |
| 17) Methyl tert-butyl Ether   | 2.764  | 73    | 113266   | 5.449    | ug/L   | 98       |
| 18) trans-1,2-Dichloroethene  | 2.754  | 96    | 62301    | 5.621    | ug/L   | 92       |
| 19) 1,1-Dichloroethane        | 3.182  | 63    | 113841   | 5.509    | ug/L   | 99       |
| 21) 2-Butanone                | 3.989  | 43    | 74732    | 36.964   | ug/L   | 91       |
| 22) cis-1,2-Dichloroethene    | 3.905  | 96    | 61165    | 5.494    | ug/L   | 93       |
| 23) Bromochloromethane        | 4.243  | 128   | 27387    | 5.483    | ug/L   | 91       |
| 25) Chloroform                | 4.368  | 83    | 119253   | 5.082    | ug/L   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW012822\  
 Data File : VW024477.D  
 Acq On : 28 Jan 2022 10:13  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005300

Quant Time: Jan 29 01:59:48 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR012622WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Jan 28 03:20:33 2022  
 Response via : Initial Calibration

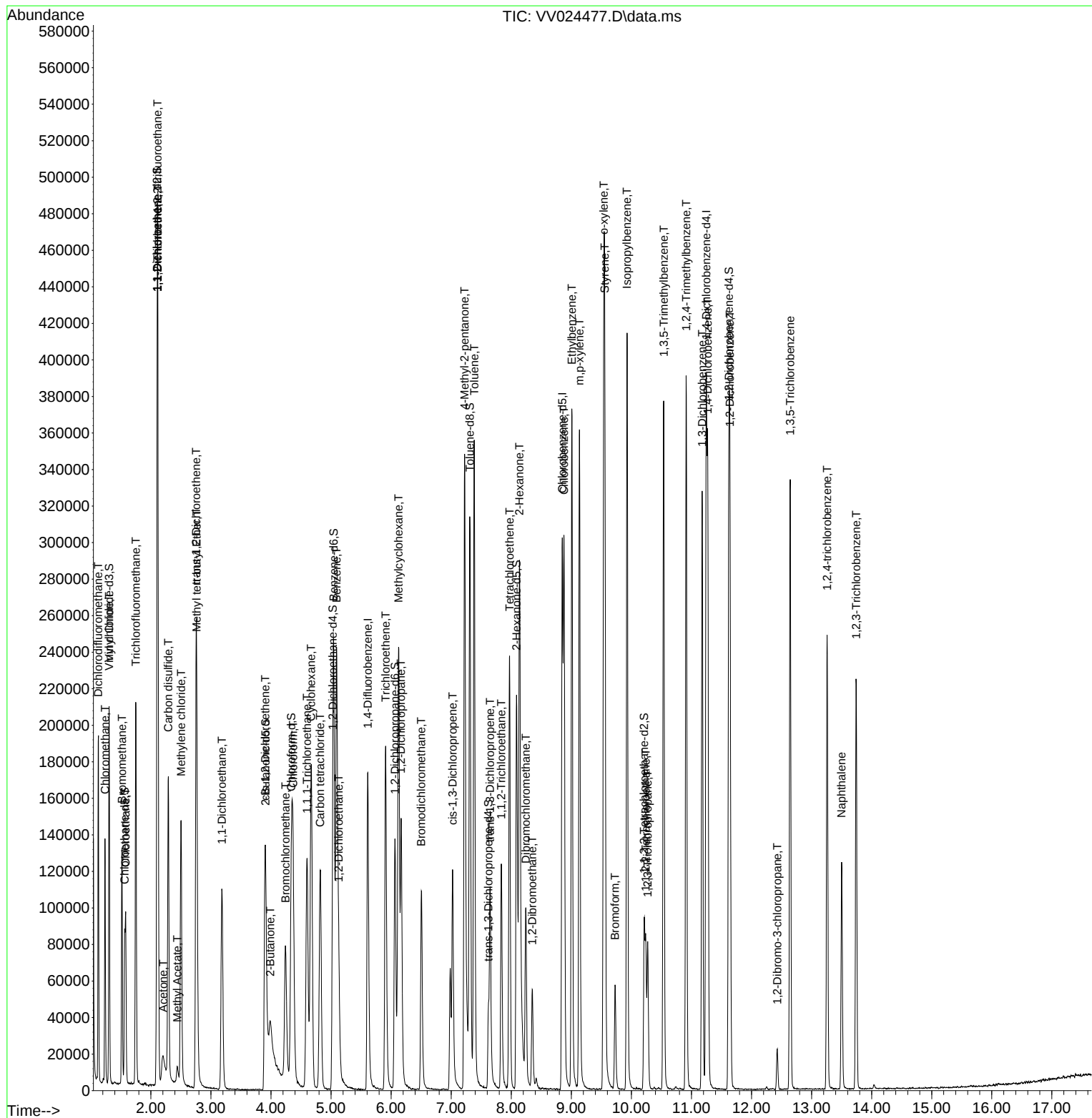
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.127  | 62   | 62230    | 5.564  | ug/L   | 95       |
| 29) 1,1,1-Trichloroethane     | 4.600  | 97   | 106235   | 5.685  | ug/L   | 98       |
| 30) Cyclohexane               | 4.667  | 56   | 92671    | 5.254  | ug/L   | 96       |
| 31) Carbon tetrachloride      | 4.818  | 117  | 94431    | 5.616  | ug/L   | 99       |
| 33) Benzene                   | 5.092  | 78   | 244400   | 5.668  | ug/L   | 100      |
| 34) Trichloroethene           | 5.908  | 95   | 66733    | 5.475  | ug/L   | 92       |
| 35) Methylcyclohexane         | 6.124  | 83   | 96685    | 5.378  | ug/L   | 95       |
| 37) 1,2-Dichloropropane       | 6.166  | 63   | 60293    | 5.691  | ug/L   | 98       |
| 38) Bromodichloromethane      | 6.503  | 83   | 76148    | 5.309  | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 7.024  | 75   | 78792    | 5.520  | ug/L   | 100      |
| 40) 4-Methyl-2-pentanone      | 7.223  | 43   | 275651   | 55.820 | ug/L   | 97       |
| 42) Toluene                   | 7.384  | 91   | 264857   | 5.799  | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 7.648  | 75   | 67729    | 5.696  | ug/L   | 100      |
| 45) 1,1,2-Trichloroethane     | 7.834  | 97   | 39650    | 5.535  | ug/L   | 97       |
| 47) Tetrachloroethene         | 7.973  | 164  | 54876    | 5.715  | ug/L   | 98       |
| 48) 2-Hexanone                | 8.137  | 43   | 214685   | 59.129 | ug/L   | 99       |
| 49) Dibromochloromethane      | 8.243  | 129  | 50579    | 5.674  | ug/L   | 97       |
| 50) 1,2-Dibromoethane         | 8.349  | 107  | 37683    | 5.612  | ug/L   | 90       |
| 51) Chlorobenzene             | 8.879  | 112  | 161760   | 5.485  | ug/L   | 96       |
| 52) Ethylbenzene              | 9.008  | 91   | 258864   | 5.390  | ug/L   | 98       |
| 53) m,p-xylene                | 9.137  | 106  | 100773   | 5.592  | ug/L   | 95       |
| 54) o-xylene                  | 9.542  | 106  | 95577    | 5.627  | ug/L   | 95       |
| 55) Styrene                   | 9.558  | 104  | 165321   | 5.822  | ug/L   | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 38369    | 5.470  | ug/L   | 95       |
| 59) Bromoform                 | 9.728  | 173  | 26689    | 5.525  | ug/L # | 98       |
| 60) Isopropylbenzene          | 9.928  | 105  | 260744   | 5.573  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.272 | 75   | 32520    | 5.463  | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 204724   | 5.434  | ug/L   | 97       |
| 63) 1,2,4-Trimethylbenzene    | 10.911 | 105  | 211980   | 5.484  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.178 | 146  | 133743   | 5.655  | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 11.272 | 146  | 135541   | 5.630  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 121019   | 5.575  | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.429 | 75   | 5770     | 4.984  | ug/L   | 88       |
| 69) 1,3,5-Trichlorobenzene    | 12.645 | 180  | 105235   | 5.459  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.259 | 180  | 78252    | 5.330  | ug/L   | 97       |
| 71) Naphthalene               | 13.500 | 128  | 97080    | 5.243  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.744 | 180  | 69854    | 5.577  | ug/L   | 98       |

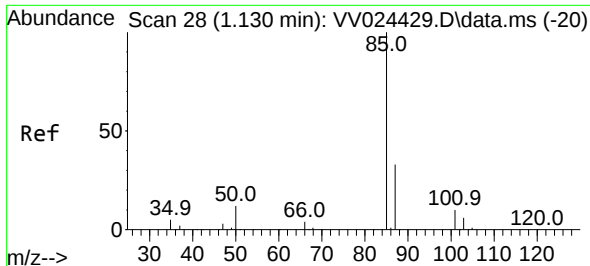
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV012822\  
 Data File : VV024477.D  
 Acq On : 28 Jan 2022 10:13  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005300

Quant Time: Jan 29 01:59:48 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR012622WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Jan 28 03:20:33 2022  
 Response via : Initial Calibration

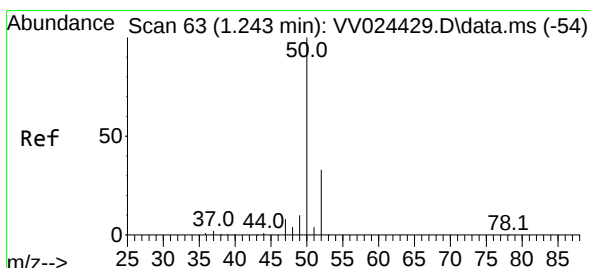
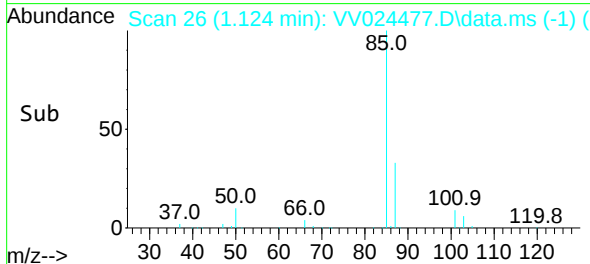
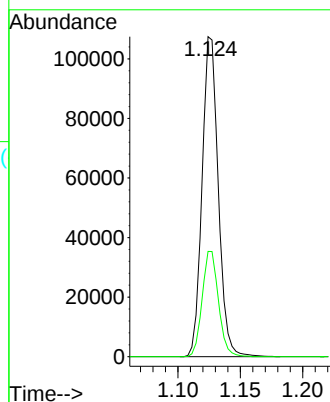
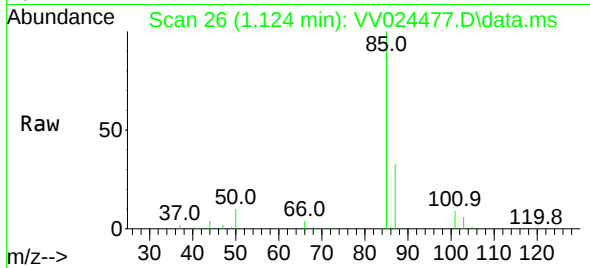




#2  
 Dichlorodifluoromethane  
 Concen: 5.611 ug/L  
 RT: 1.124 min Scan# 21  
 Delta R.T. -0.003 min  
 Lab File: VV024477.D  
 Acq: 28 Jan 2022 10:13

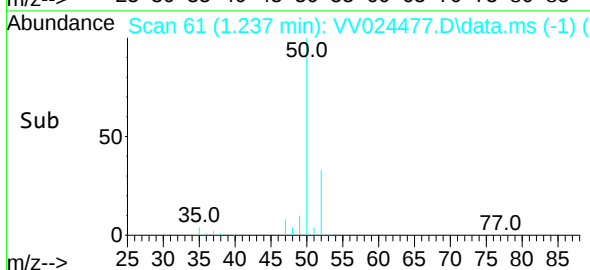
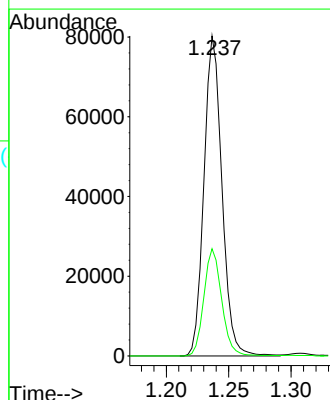
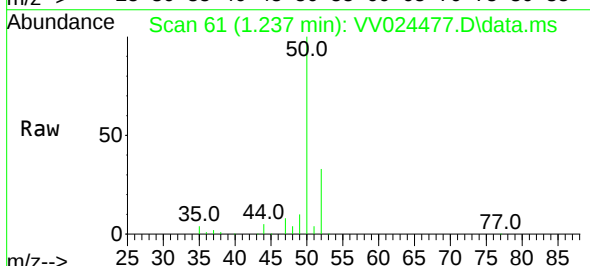
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005300

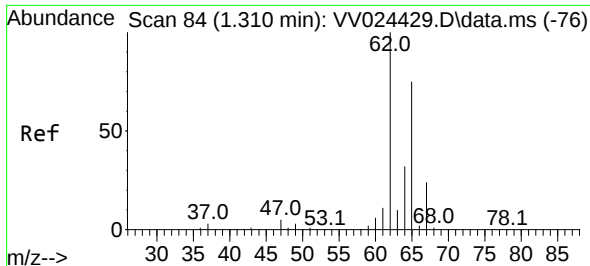
Tgt Ion: 85 Resp: 97258  
 Ion Ratio Lower Upper  
 85 100  
 87 33.1 26.0 39.0



#3  
 Chloromethane  
 Concen: 5.121 ug/L  
 RT: 1.237 min Scan# 61  
 Delta R.T. 0.000 min  
 Lab File: VV024477.D  
 Acq: 28 Jan 2022 10:13

Tgt Ion: 50 Resp: 80670  
 Ion Ratio Lower Upper  
 50 100  
 52 33.5 22.0 41.0

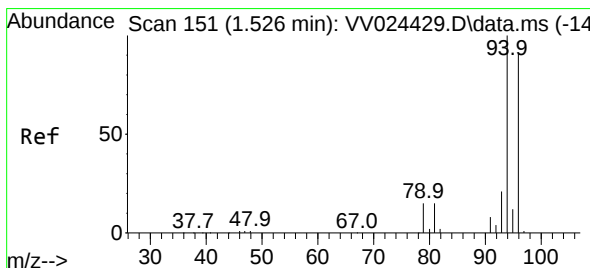
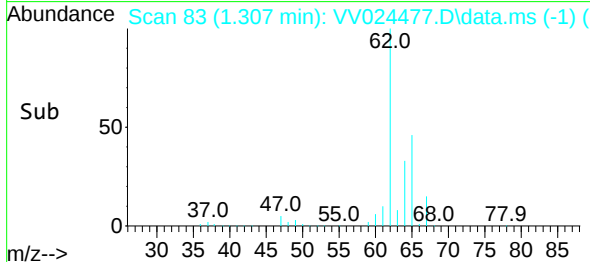
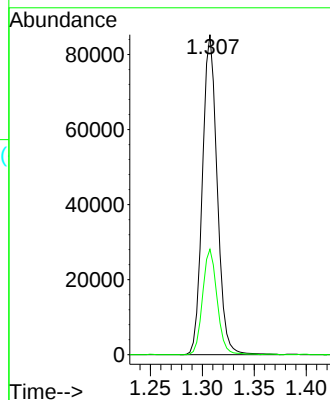
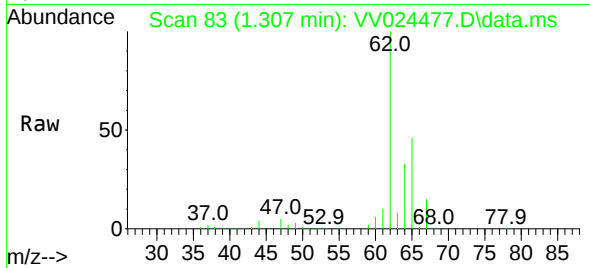




#5  
 Vinyl chloride  
 Concen: 5.326 ug/L  
 RT: 1.307 min Scan# 81  
 Delta R.T. 0.000 min  
 Lab File: VV024477.D  
 Acq: 28 Jan 2022 10:13

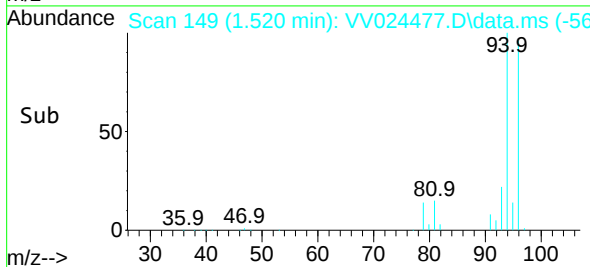
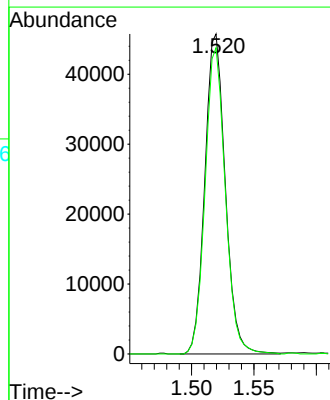
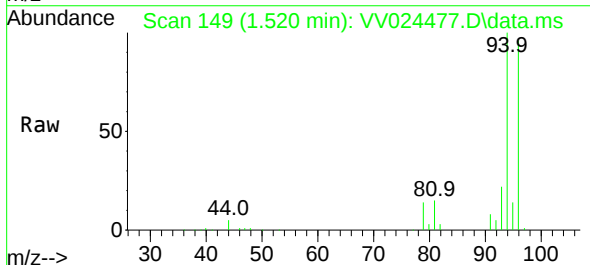
Instrument :  
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 ClientSampleId :  
 VSTD005300

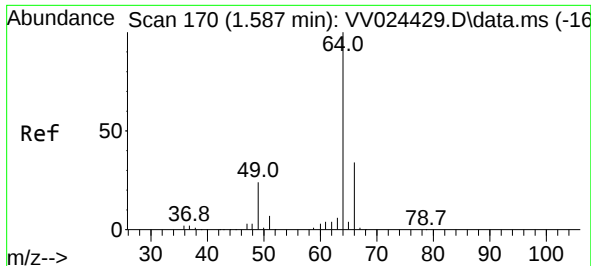
Tgt Ion: 62 Resp: 84145  
 Ion Ratio Lower Upper  
 62 100  
 64 33.0 22.4 41.6



#6  
 Bromomethane  
 Concen: 5.278 ug/L  
 RT: 1.520 min Scan# 149  
 Delta R.T. 0.000 min  
 Lab File: VV024477.D  
 Acq: 28 Jan 2022 10:13

Tgt Ion: 94 Resp: 52212  
 Ion Ratio Lower Upper  
 94 100  
 96 95.7 66.2 123.0

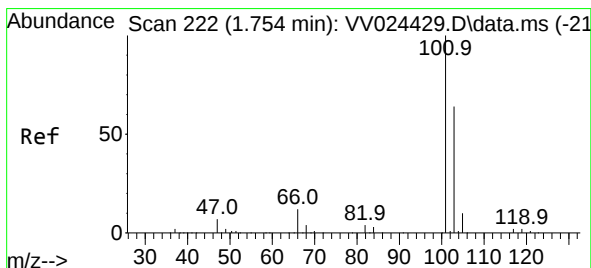
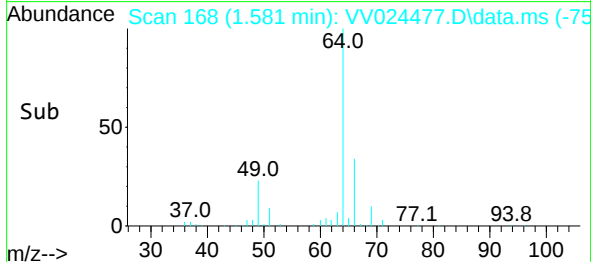
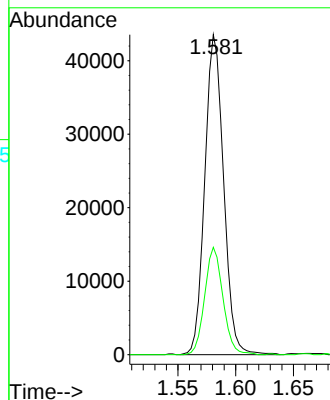
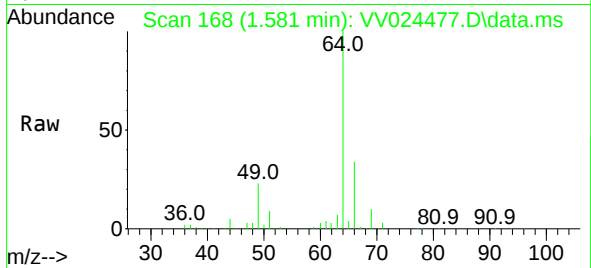




#8  
Chloroethane  
Concen: 5.316 ug/L  
RT: 1.581 min Scan# 170  
Delta R.T. 0.000 min  
Lab File: VV024477.D  
Acq: 28 Jan 2022 10:13

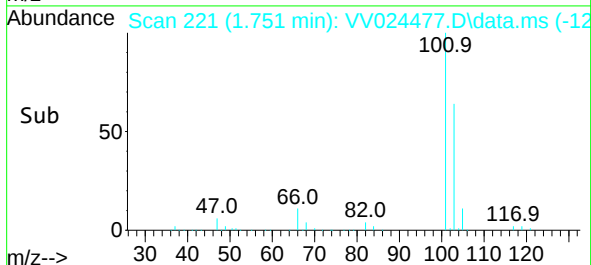
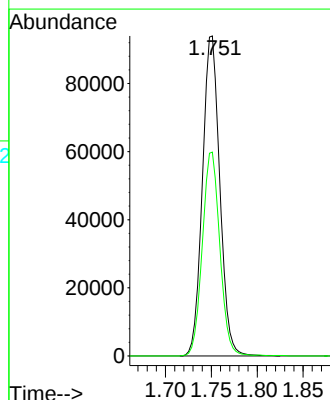
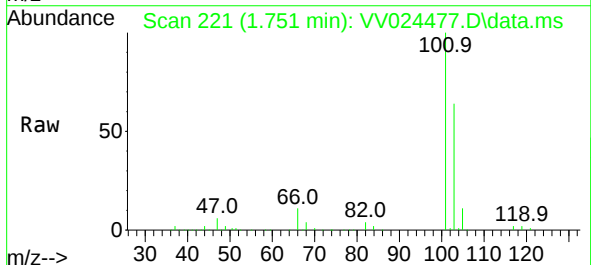
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005300

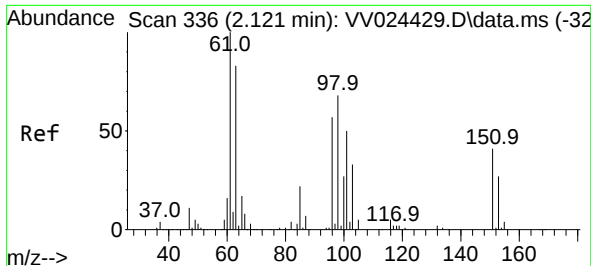
Tgt Ion: 64 Resp: 49390  
Ion Ratio Lower Upper  
64 100  
66 33.6 21.4 39.8



#9  
Trichlorofluoromethane  
Concen: 5.539 ug/L  
RT: 1.751 min Scan# 221  
Delta R.T. 0.000 min  
Lab File: VV024477.D  
Acq: 28 Jan 2022 10:13

Tgt Ion:101 Resp: 123914  
Ion Ratio Lower Upper  
101 100  
103 64.0 51.6 77.4

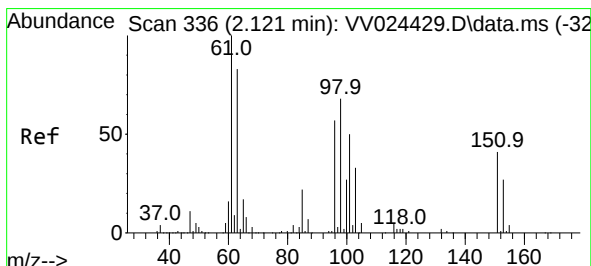
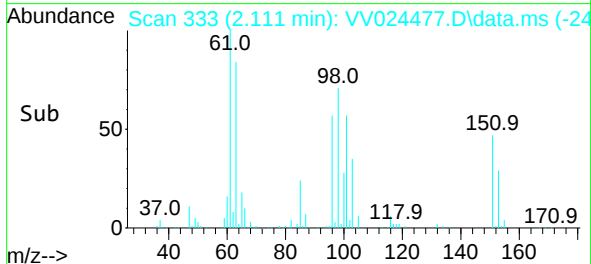
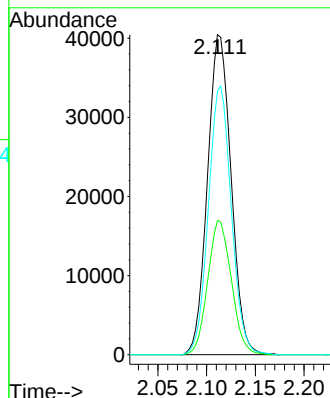
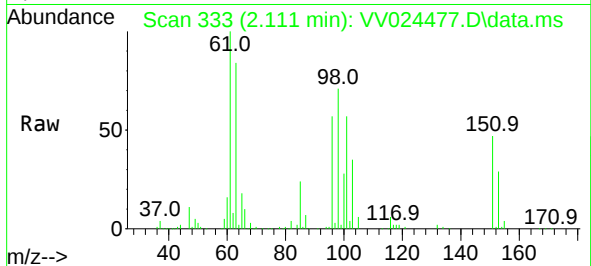




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 5.602 ug/L  
 RT: 2.111 min Scan# 333  
 Delta R.T. -0.003 min  
 Lab File: VV024477.D  
 Acq: 28 Jan 2022 10:13

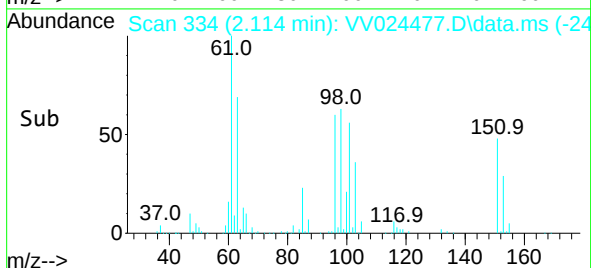
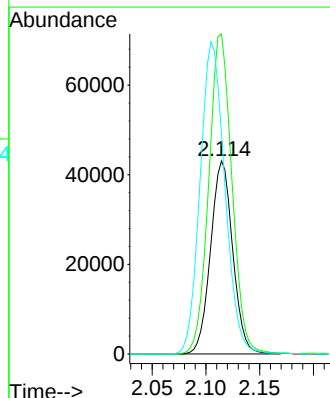
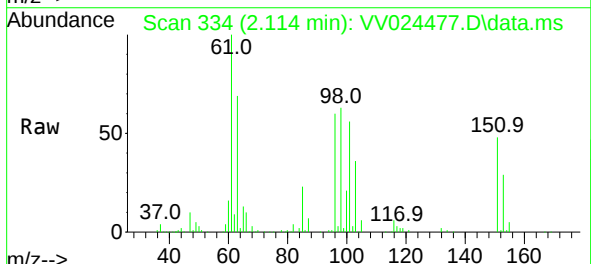
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005300

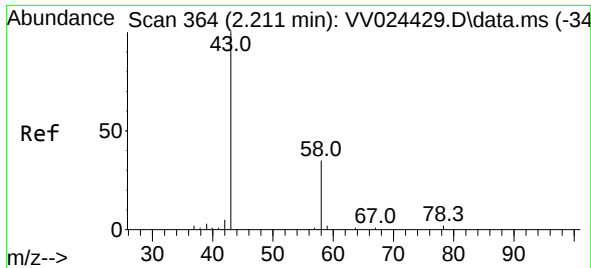
Tgt Ion:101 Resp: 68248  
 Ion Ratio Lower Upper  
 101 100  
 85 41.9 36.0 54.0  
 151 81.7 66.4 99.6



#12  
 1,1-Dichloroethene  
 Concen: 5.350 ug/L  
 RT: 2.114 min Scan# 334  
 Delta R.T. 0.000 min  
 Lab File: VV024477.D  
 Acq: 28 Jan 2022 10:13

Tgt Ion: 96 Resp: 61798  
 Ion Ratio Lower Upper  
 96 100  
 61 165.8 116.1 215.5  
 63 114.3 79.4 147.4

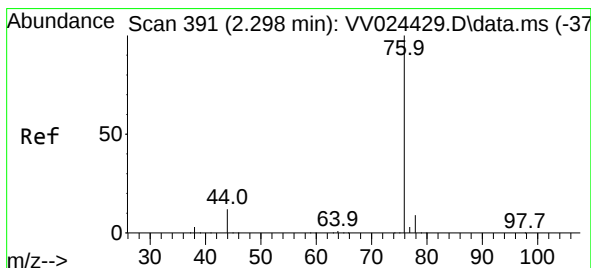
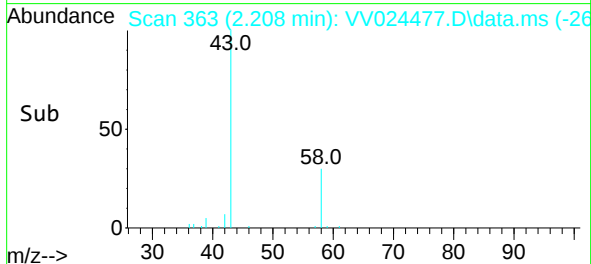
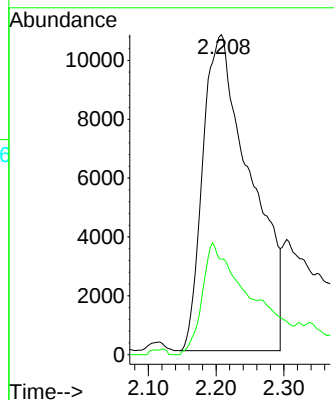
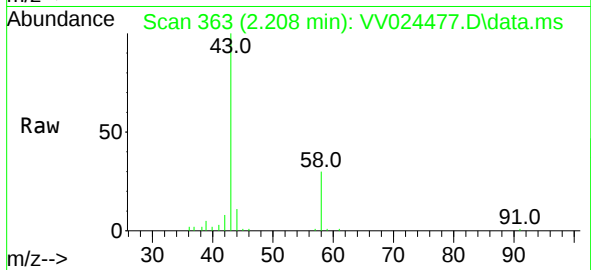




#13  
Acetone  
Concen: 47.205 ug/L  
RT: 2.208 min Scan# 30  
Delta R.T. 0.010 min  
Lab File: VV024477.D  
Acq: 28 Jan 2022 10:13

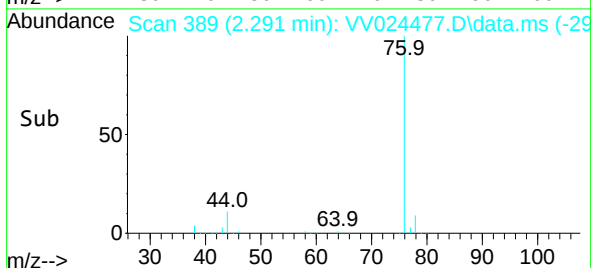
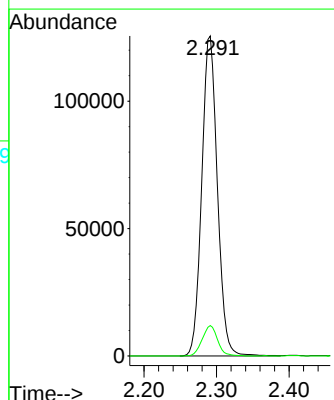
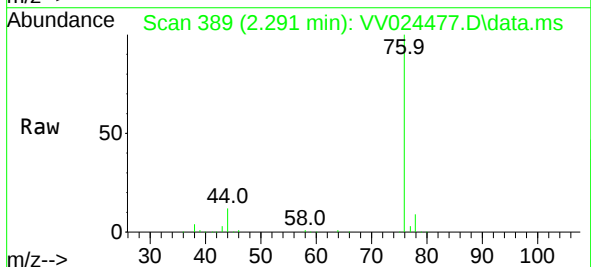
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005300

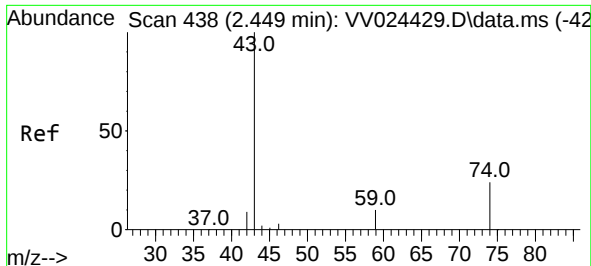
Tgt Ion: 43 Resp: 52815  
Ion Ratio Lower Upper  
43 100  
58 36.4 0.0 41.4



#14  
Carbon disulfide  
Concen: 5.291 ug/L  
RT: 2.291 min Scan# 389  
Delta R.T. 0.000 min  
Lab File: VV024477.D  
Acq: 28 Jan 2022 10:13

Tgt Ion: 76 Resp: 187828  
Ion Ratio Lower Upper  
76 100  
78 9.5 7.5 11.3





#15

Methyl Acetate

Concen: 4.538 ug/L

RT: 2.439 min Scan# 41

Delta R.T. 0.000 min

Lab File: VV024477.D

Acq: 28 Jan 2022 10:13

Instrument :

MSVOA\_V

ClientSampleId :

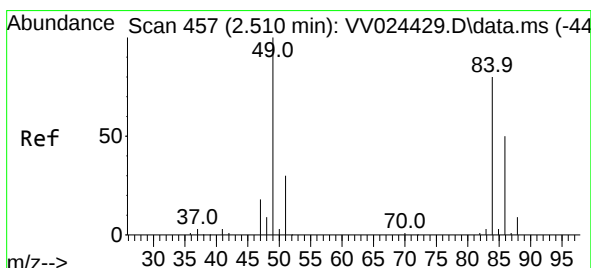
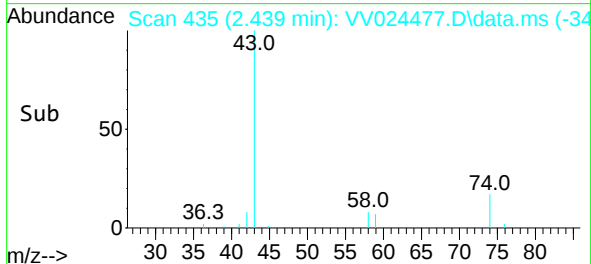
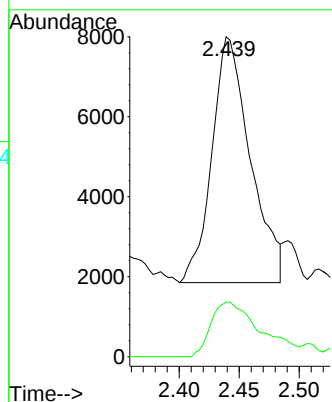
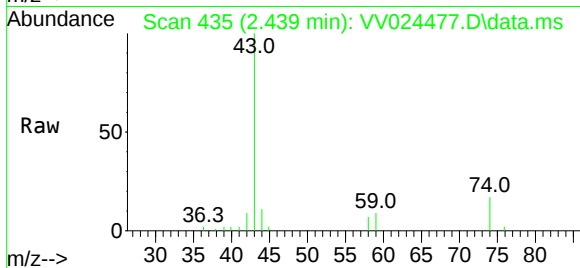
VSTD005300

Tgt Ion: 43 Resp: 13714

Ion Ratio Lower Upper

43 100

74 28.6 20.2 30.2



#16

Methylene chloride

Concen: 5.203 ug/L

RT: 2.503 min Scan# 455

Delta R.T. 0.000 min

Lab File: VV024477.D

Acq: 28 Jan 2022 10:13

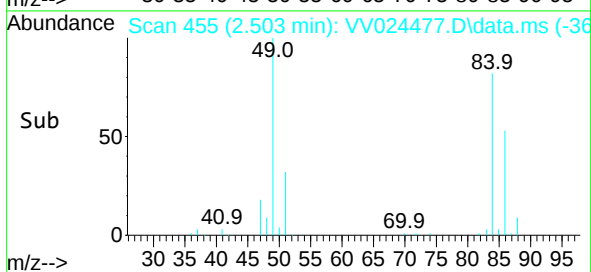
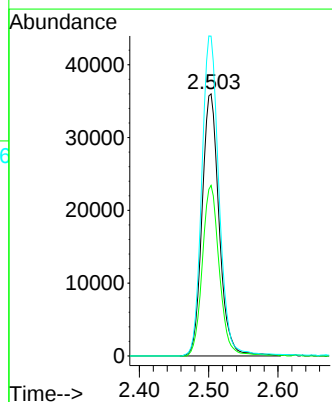
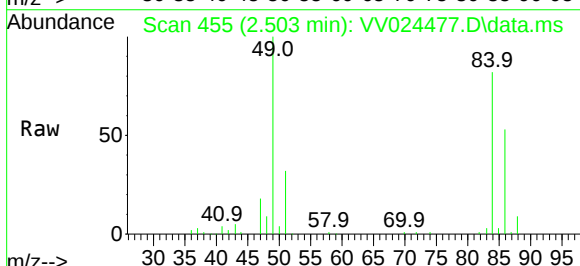
Tgt Ion: 84 Resp: 61508

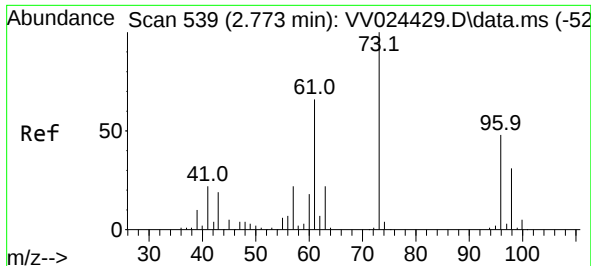
Ion Ratio Lower Upper

84 100

86 65.1 42.6 79.0

49 122.0 79.7 147.9

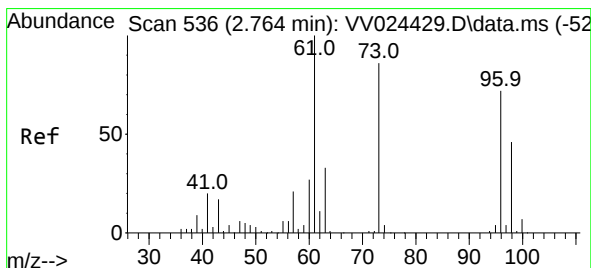
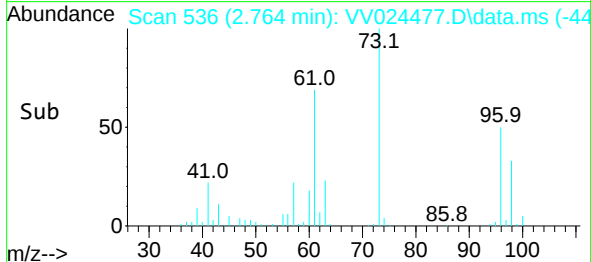
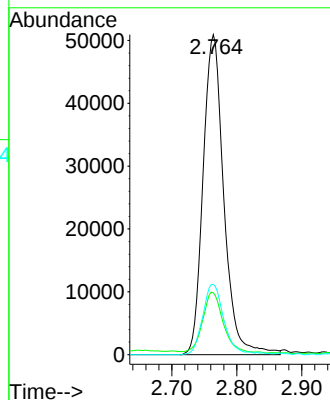
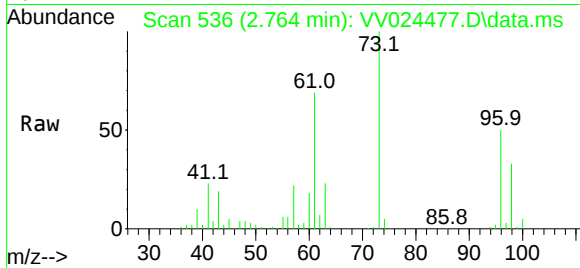




#17  
Methyl tert-butyl Ether  
Concen: 5.449 ug/L  
RT: 2.764 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VV024477.D  
Acq: 28 Jan 2022 10:13

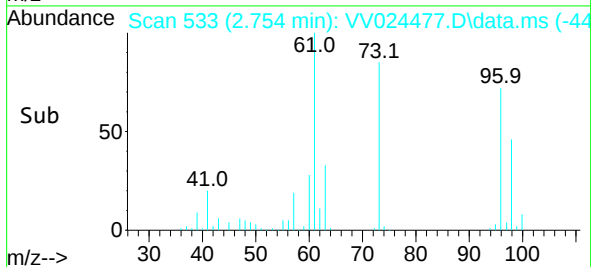
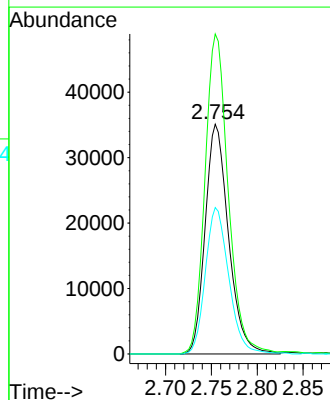
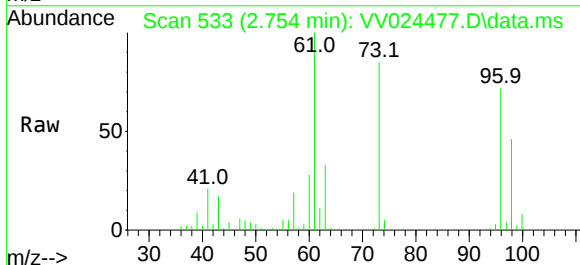
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005300

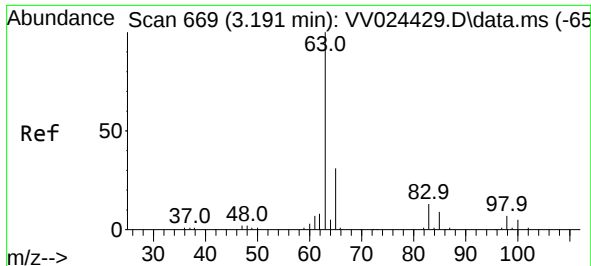
Tgt Ion: 73 Resp: 113266  
Ion Ratio Lower Upper  
73 100  
43 18.1 15.5 23.3  
57 22.4 17.1 25.7



#18  
trans-1,2-Dichloroethene  
Concen: 5.621 ug/L  
RT: 2.754 min Scan# 533  
Delta R.T. 0.000 min  
Lab File: VV024477.D  
Acq: 28 Jan 2022 10:13

Tgt Ion: 96 Resp: 62301  
Ion Ratio Lower Upper  
96 100  
61 139.3 88.2 163.8  
98 63.7 44.9 83.5





#19

1,1-Dichloroethane

Concen: 5.509 ug/L

RT: 3.182 min Scan# 6

Delta R.T. -0.003 min

Lab File: VV024477.D

Acq: 28 Jan 2022 10:13

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005300

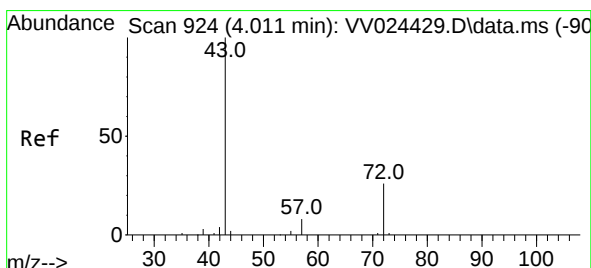
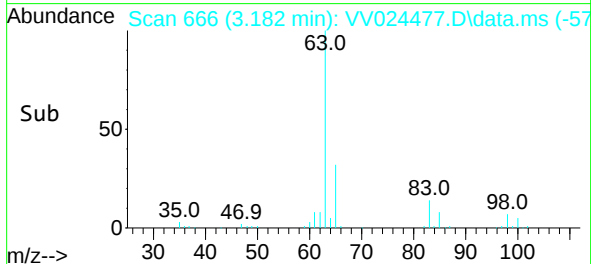
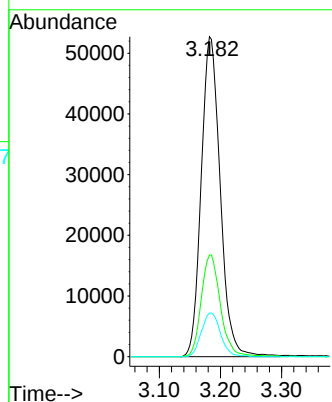
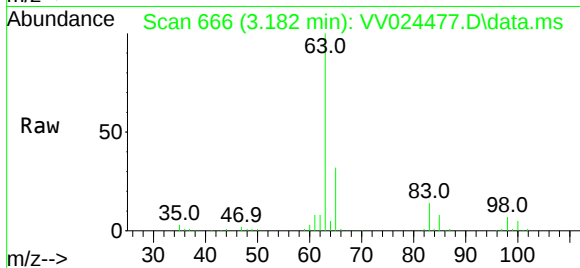
Tgt Ion: 63 Resp: 113841

Ion Ratio Lower Upper

63 100

65 31.7 22.3 41.3

83 13.6 10.7 19.9



#21

2-Butanone

Concen: 36.964 ug/L

RT: 3.989 min Scan# 917

Delta R.T. 0.003 min

Lab File: VV024477.D

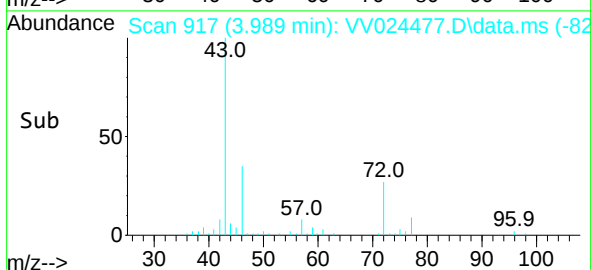
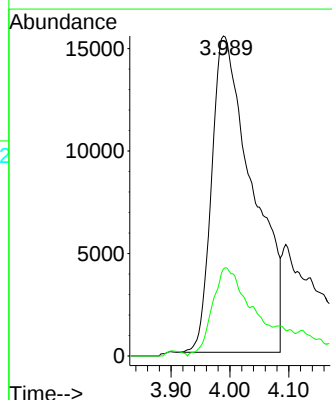
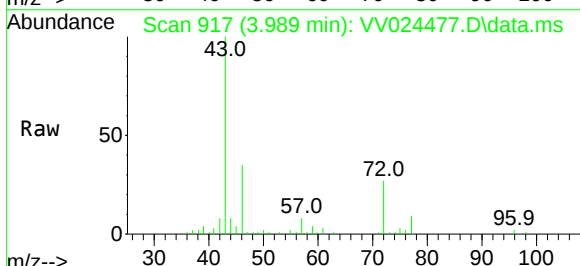
Acq: 28 Jan 2022 10:13

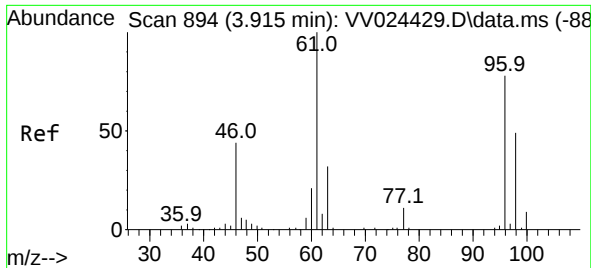
Tgt Ion: 43 Resp: 74732

Ion Ratio Lower Upper

43 100

72 26.3 11.1 33.1

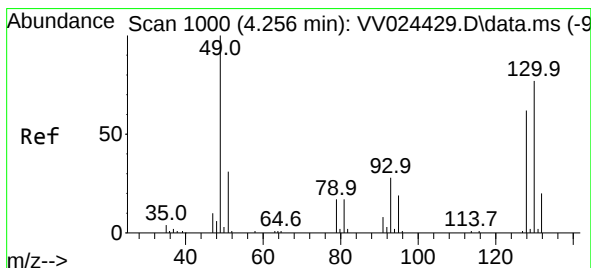
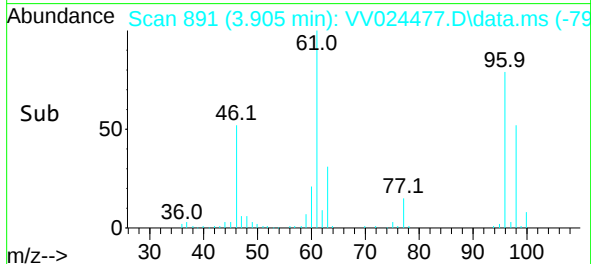
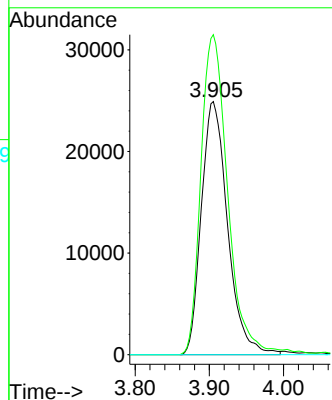
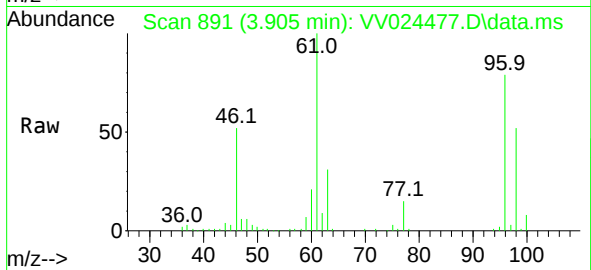




#22  
 cis-1,2-Dichloroethene  
 Concen: 5.494 ug/L  
 RT: 3.905 min Scan# 891  
 Delta R.T. 0.003 min  
 Lab File: VV024477.D  
 Acq: 28 Jan 2022 10:13

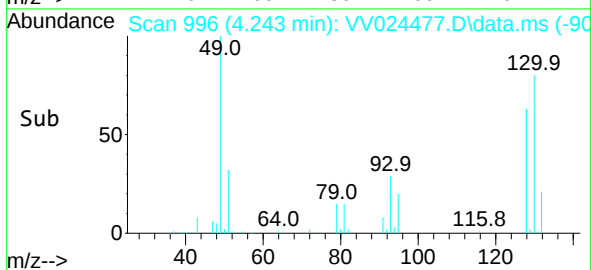
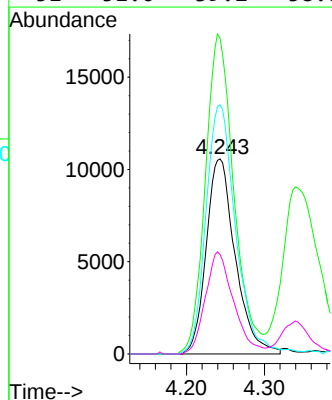
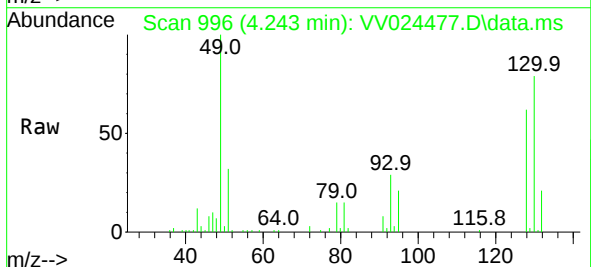
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005300

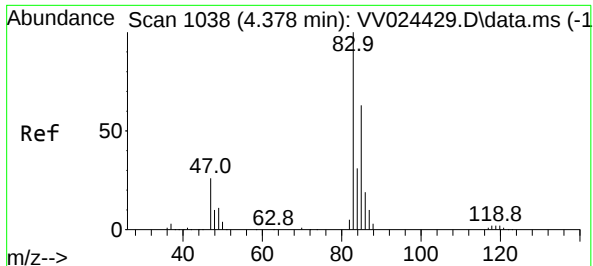
Tgt Ion: 96 Resp: 61165  
 Ion Ratio Lower Upper  
 96 100  
 61 126.4 83.4 154.8  
 68 0.0 0.0 0.0



#23  
 Bromochloromethane  
 Concen: 5.483 ug/L  
 RT: 4.243 min Scan# 996  
 Delta R.T. 0.003 min  
 Lab File: VV024477.D  
 Acq: 28 Jan 2022 10:13

Tgt Ion: 128 Resp: 27387  
 Ion Ratio Lower Upper  
 128 100  
 49 161.8 100.2 186.2  
 130 127.7 92.5 171.7  
 51 51.0 39.2 58.8





#25

Chloroform

Concen: 5.082 ug/L

RT: 4.368 min Scan# 119253

Delta R.T. 0.000 min

Lab File: VV024477.D

Acq: 28 Jan 2022 10:13

Instrument :

MSVOA\_V

ClientSampleId :

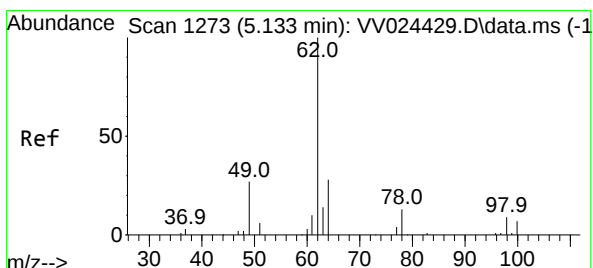
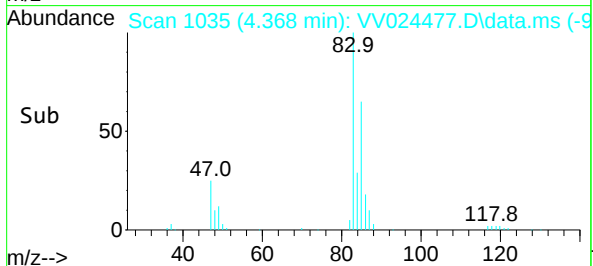
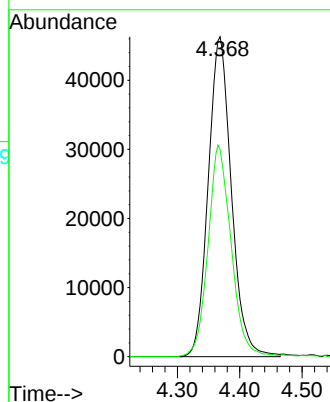
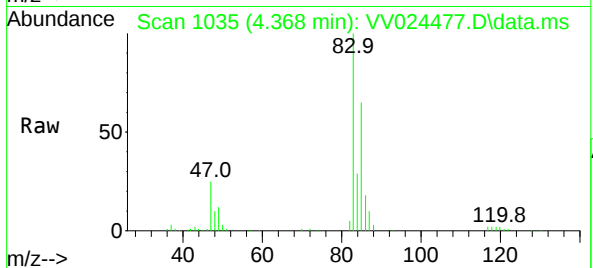
VSTD005300

Tgt Ion: 83 Resp: 119253

Ion Ratio Lower Upper

83 100

85 64.8 45.2 84.0



#27

1,2-Dichloroethane

Concen: 5.564 ug/L

RT: 5.127 min Scan# 1271

Delta R.T. 0.003 min

Lab File: VV024477.D

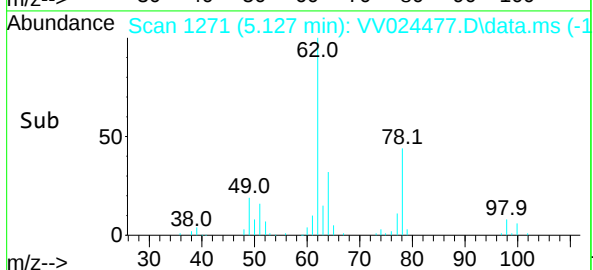
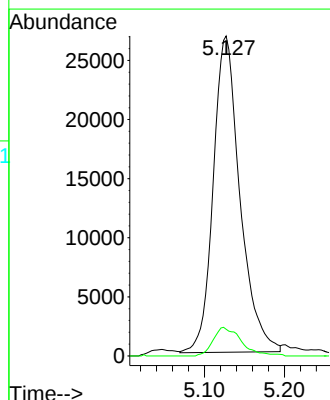
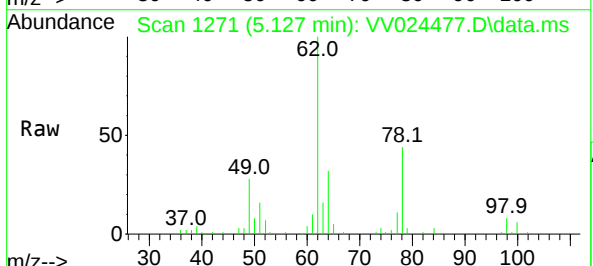
Acq: 28 Jan 2022 10:13

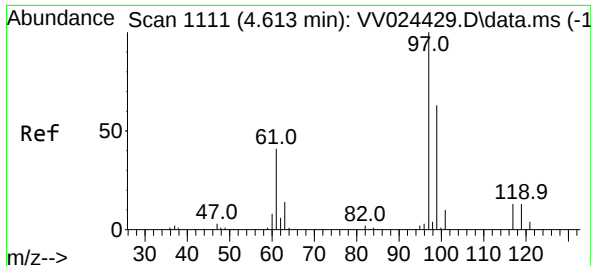
Tgt Ion: 62 Resp: 62230

Ion Ratio Lower Upper

62 100

98 8.4 8.1 12.1





#29

1,1,1-Trichloroethane

Concen: 5.685 ug/L

RT: 4.600 min Scan# 1111

Delta R.T. 0.000 min

Lab File: VV024477.D

Acq: 28 Jan 2022 10:13

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005300

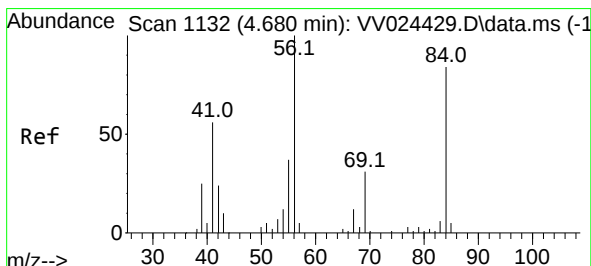
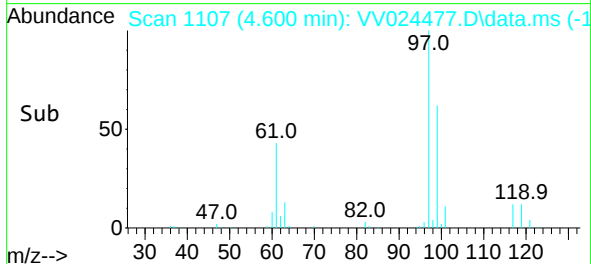
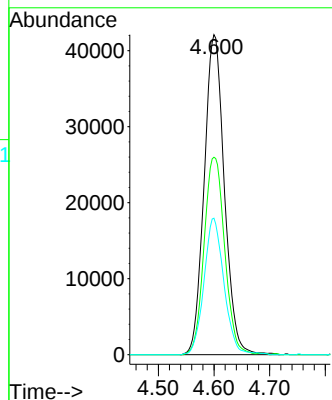
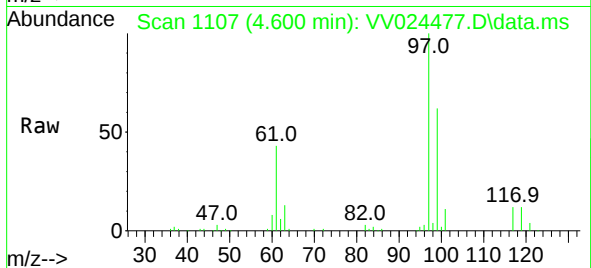
Tgt Ion: 97 Resp: 106235

Ion Ratio Lower Upper

97 100

99 62.8 51.9 77.9

61 42.2 33.2 49.8



#30

Cyclohexane

Concen: 5.254 ug/L

RT: 4.667 min Scan# 1128

Delta R.T. -0.003 min

Lab File: VV024477.D

Acq: 28 Jan 2022 10:13

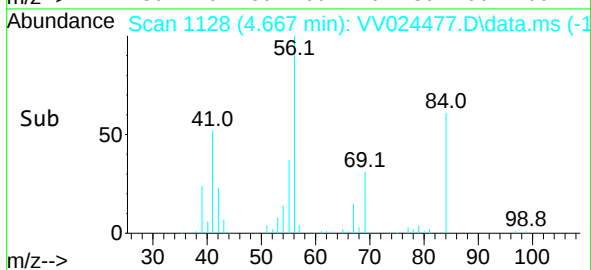
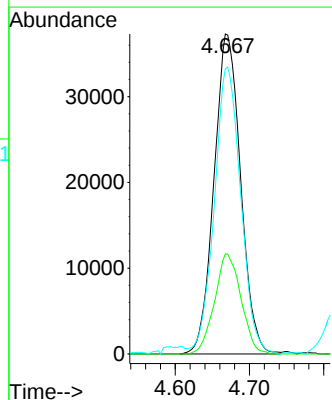
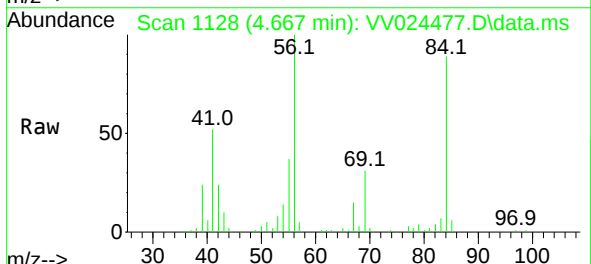
Tgt Ion: 56 Resp: 92671

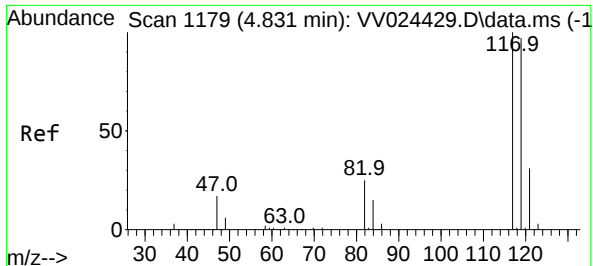
Ion Ratio Lower Upper

56 100

69 31.0 24.8 37.2

84 89.5 75.9 113.9

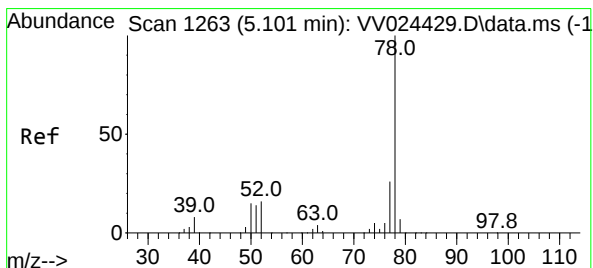
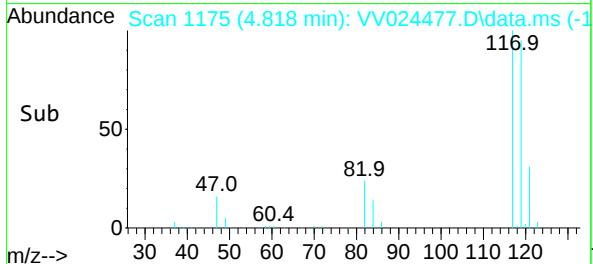
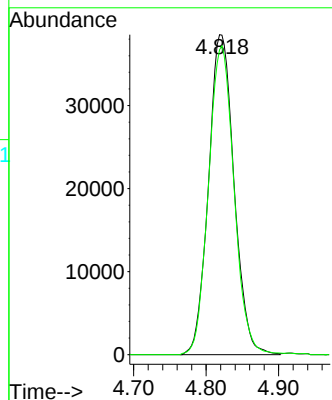
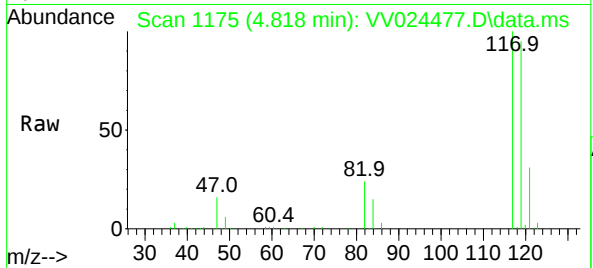




#31  
Carbon tetrachloride  
Concen: 5.616 ug/L  
RT: 4.818 min Scan# 1175  
Delta R.T. -0.003 min  
Lab File: VV024477.D  
Acq: 28 Jan 2022 10:13

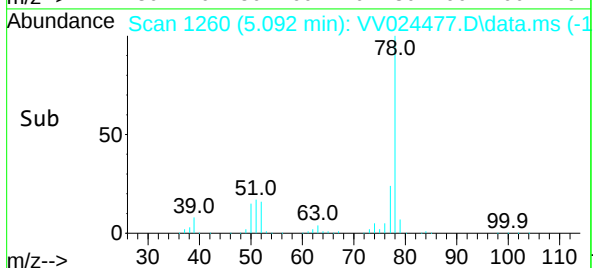
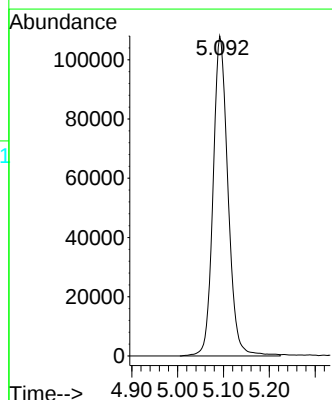
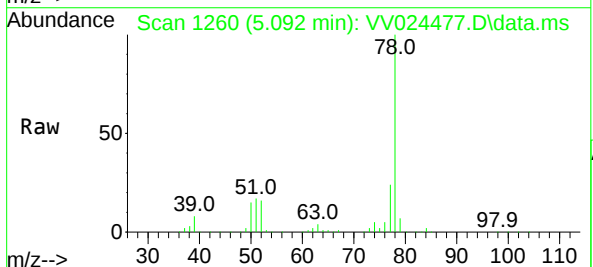
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005300

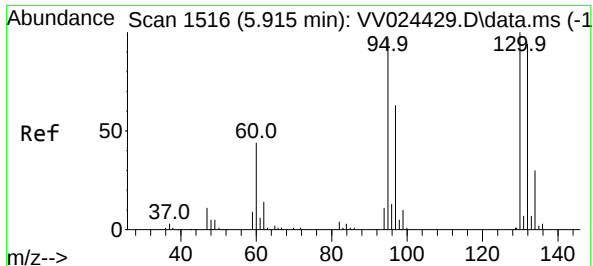
Tgt Ion:117 Resp: 94431  
Ion Ratio Lower Upper  
117 100  
119 96.3 76.6 114.8



#33  
Benzene  
Concen: 5.668 ug/L  
RT: 5.092 min Scan# 1260  
Delta R.T. 0.000 min  
Lab File: VV024477.D  
Acq: 28 Jan 2022 10:13

Tgt Ion: 78 Resp: 244400

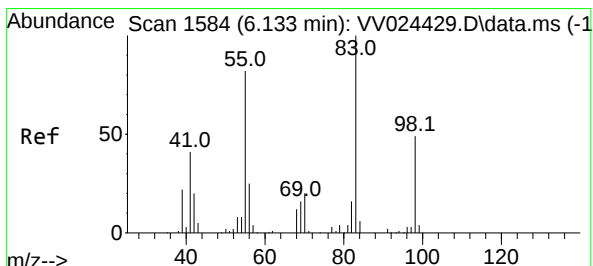
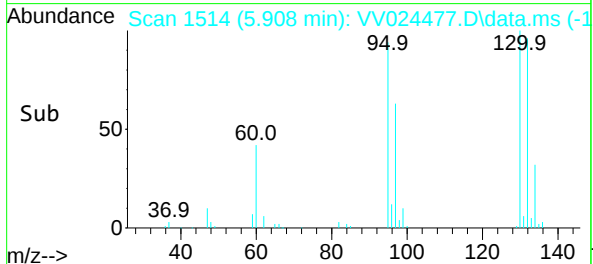
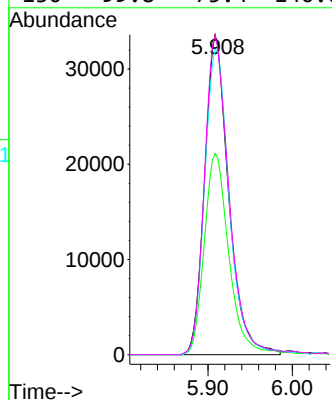
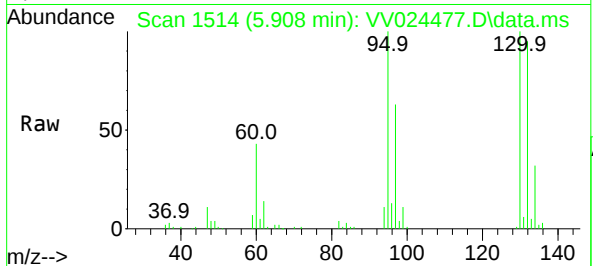




#34  
Trichloroethene  
Concen: 5.475 ug/L  
RT: 5.908 min Scan# 1514  
Delta R.T. 0.000 min  
Lab File: VV024477.D  
Acq: 28 Jan 2022 10:13

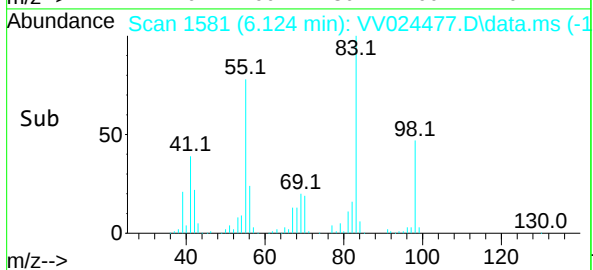
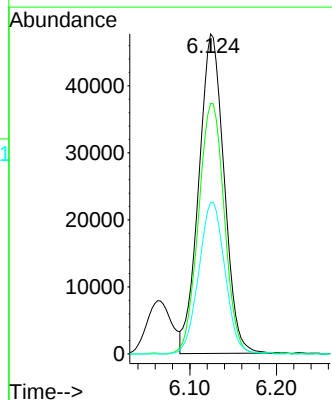
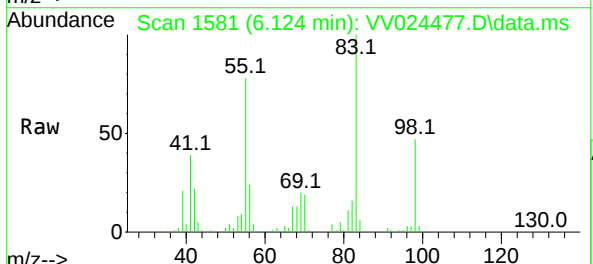
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005300

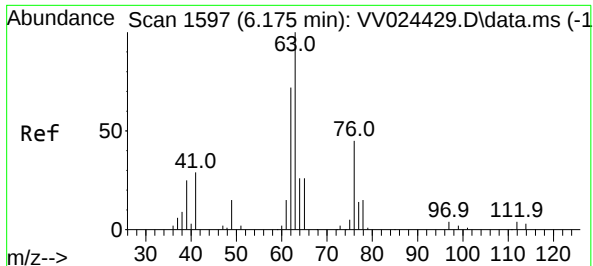
Tgt Ion: 95 Resp: 66733  
Ion Ratio Lower Upper  
95 100  
97 62.9 45.2 84.0  
132 95.4 76.1 141.3  
130 99.8 75.4 140.0



#35  
Methylcyclohexane  
Concen: 5.378 ug/L  
RT: 6.124 min Scan# 1581  
Delta R.T. 0.000 min  
Lab File: VV024477.D  
Acq: 28 Jan 2022 10:13

Tgt Ion: 83 Resp: 96685  
Ion Ratio Lower Upper  
83 100  
55 80.0 60.2 90.2  
98 49.1 41.0 61.4





#37

1,2-Dichloropropane

Concen: 5.691 ug/L

RT: 6.166 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV024477.D

Acq: 28 Jan 2022 10:13

Instrument :

MSVOA\_V

ClientSampleId :

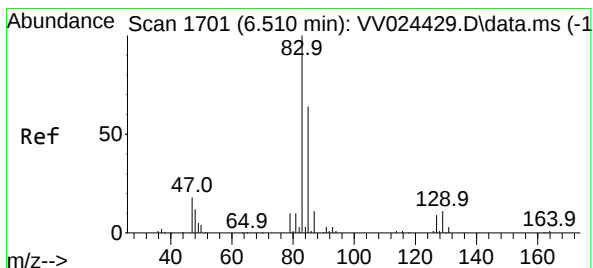
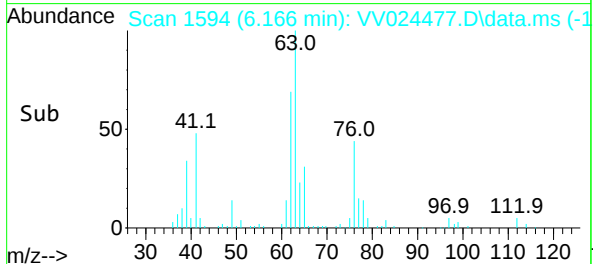
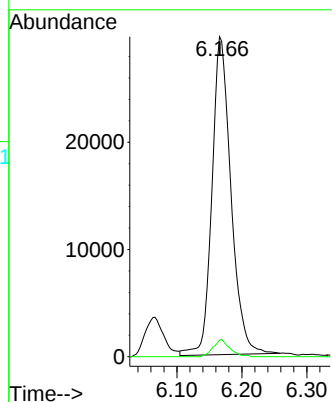
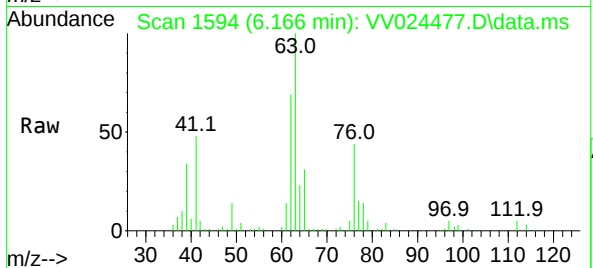
VSTD005300

Tgt Ion: 63 Resp: 60293

Ion Ratio Lower Upper

63 100

112 4.7 4.3 6.5



#38

Bromodichloromethane

Concen: 5.309 ug/L

RT: 6.503 min Scan# 1699

Delta R.T. -0.003 min

Lab File: VV024477.D

Acq: 28 Jan 2022 10:13

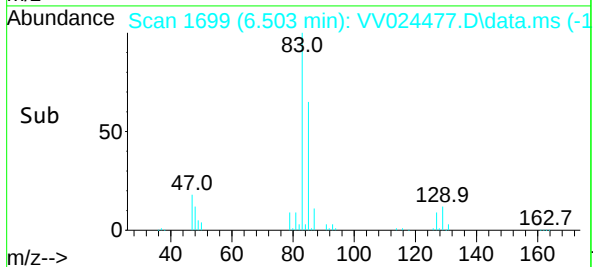
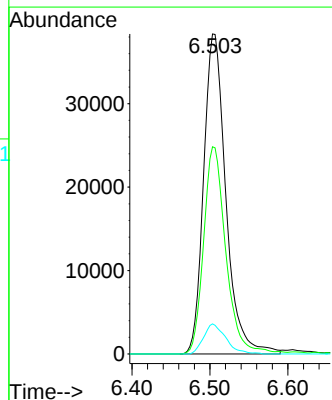
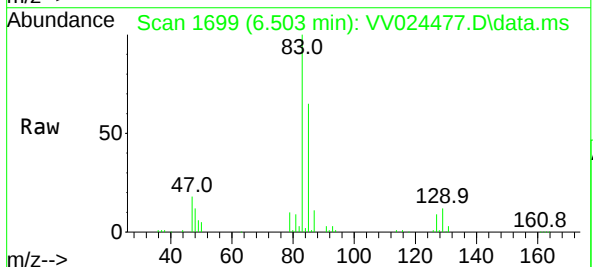
Tgt Ion: 83 Resp: 76148

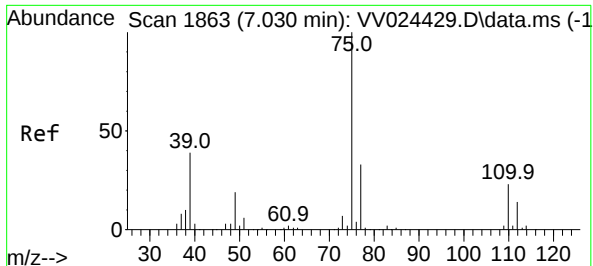
Ion Ratio Lower Upper

83 100

85 64.8 44.0 81.8

127 9.4 8.6 12.8





#39

cis-1,3-Dichloropropene

Concen: 5.520 ug/L

RT: 7.024 min Scan# 1861

Delta R.T. 0.000 min

Lab File: VV024477.D

Acq: 28 Jan 2022 10:13

Instrument :

MSVOA\_V

ClientSampleId :

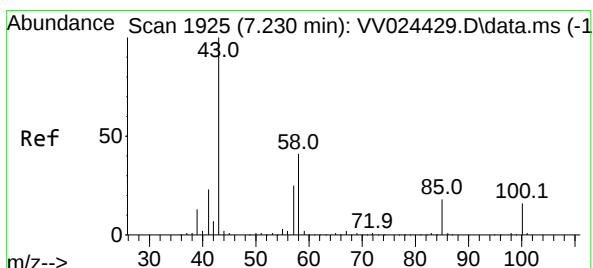
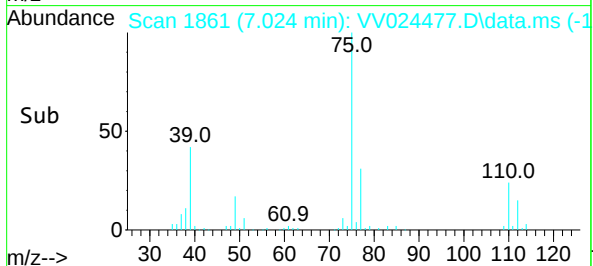
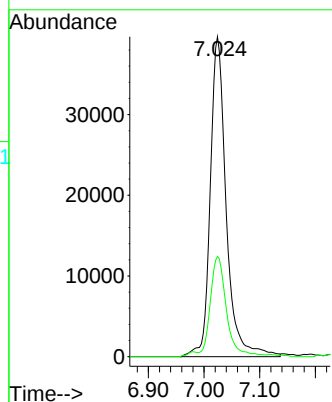
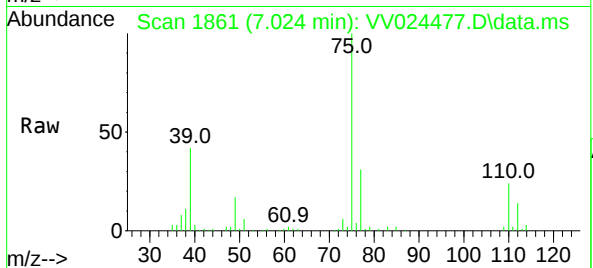
VSTD005300

Tgt Ion: 75 Resp: 78792

Ion Ratio Lower Upper

75 100

77 31.4 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 55.820 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. 0.000 min

Lab File: VV024477.D

Acq: 28 Jan 2022 10:13

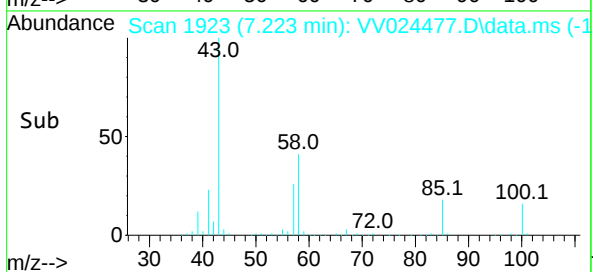
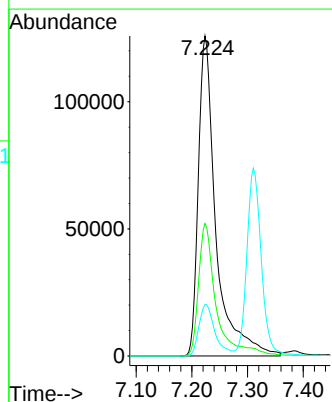
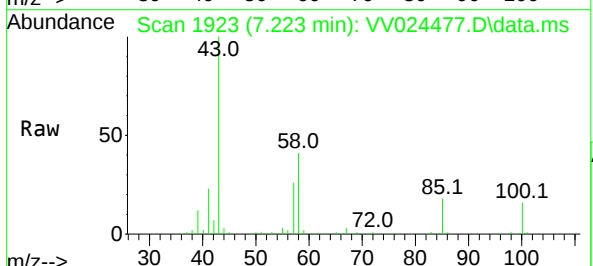
Tgt Ion: 43 Resp: 275651

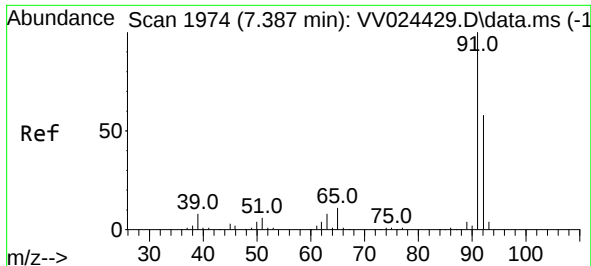
Ion Ratio Lower Upper

43 100

58 41.8 32.3 48.5

100 14.8 13.0 19.6





#42

Toluene

Concen: 5.799 ug/L

RT: 7.384 min Scan# 1974

Delta R.T. 0.000 min

Lab File: VV024477.D

Acq: 28 Jan 2022 10:13

Instrument :

MSVOA\_V

ClientSampleId :

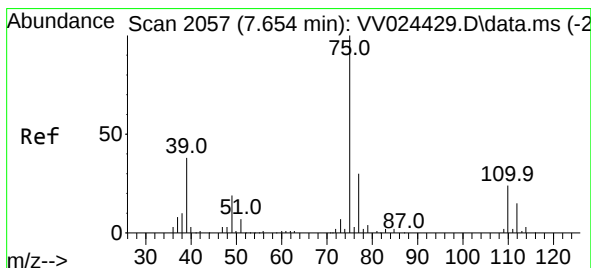
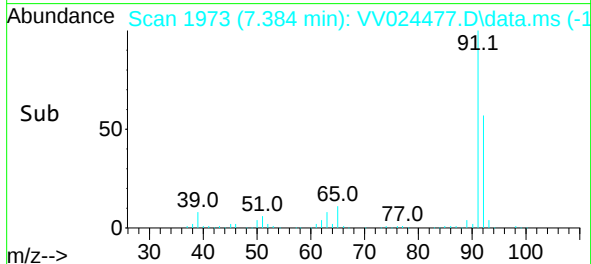
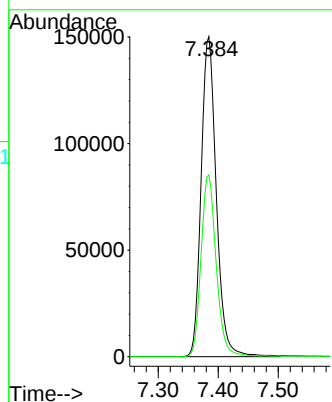
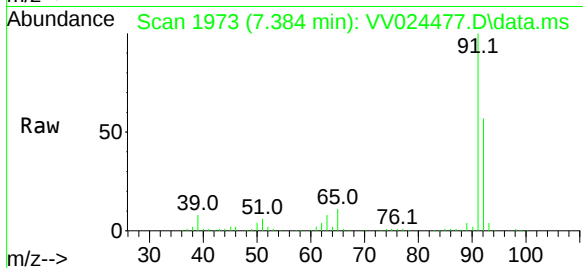
VSTD005300

Tgt Ion: 91 Resp: 264857

Ion Ratio Lower Upper

91 100

92 56.9 41.5 77.1



#44

trans-1,3-Dichloropropene

Concen: 5.696 ug/L

RT: 7.648 min Scan# 2055

Delta R.T. 0.000 min

Lab File: VV024477.D

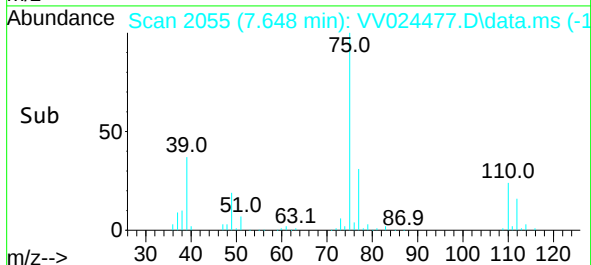
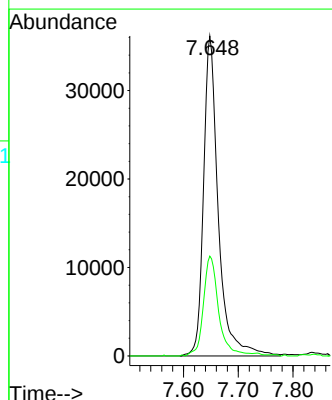
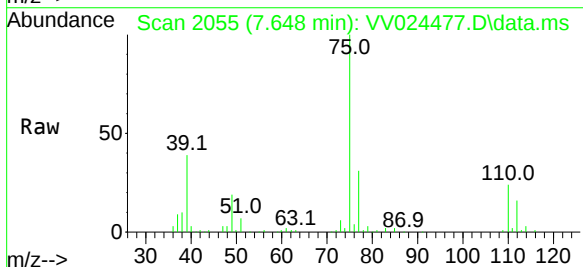
Acq: 28 Jan 2022 10:13

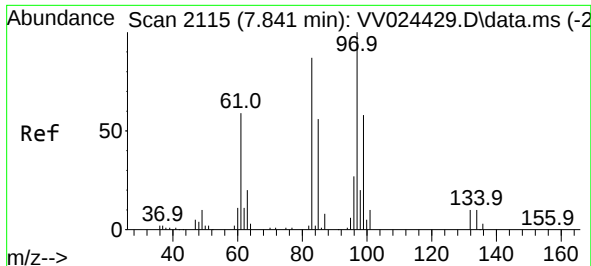
Tgt Ion: 75 Resp: 67729

Ion Ratio Lower Upper

75 100

77 31.2 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 5.535 ug/L

RT: 7.834 min Scan# 2113

Delta R.T. -0.003 min

Lab File: VV024477.D

Acq: 28 Jan 2022 10:13

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005300

Tgt Ion: 97 Resp: 39650

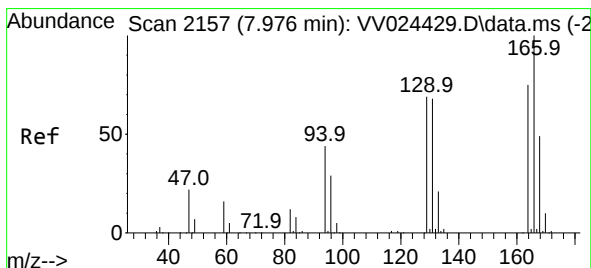
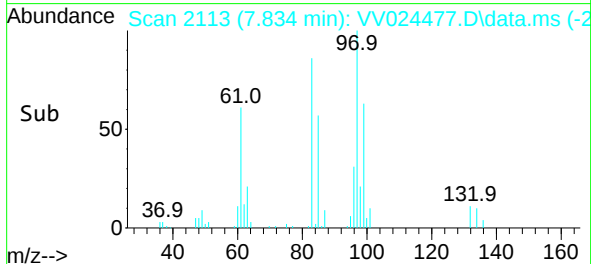
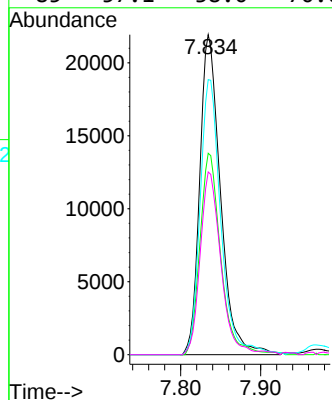
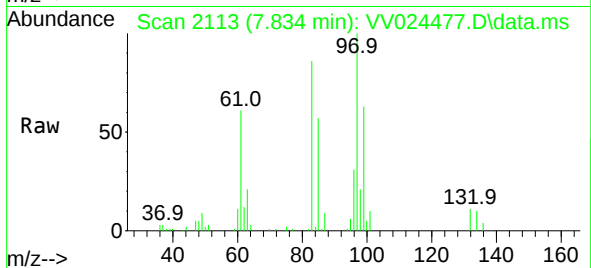
Ion Ratio Lower Upper

97 100

99 62.9 43.1 80.1

83 86.0 57.9 107.5

85 57.1 38.0 70.6



#47

Tetrachloroethene

Concen: 5.715 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. 0.000 min

Lab File: VV024477.D

Acq: 28 Jan 2022 10:13

Tgt Ion:164 Resp: 54876

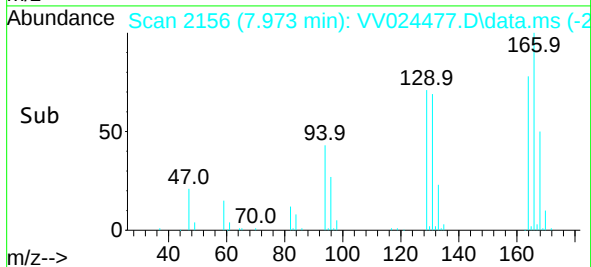
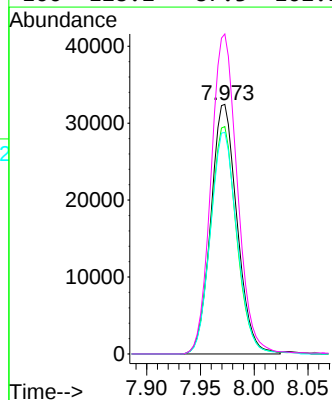
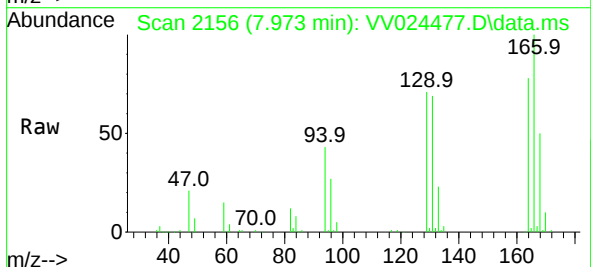
Ion Ratio Lower Upper

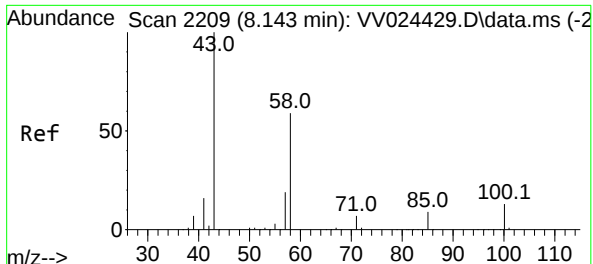
164 100

129 91.1 62.6 116.2

131 88.8 61.0 113.4

166 128.2 87.3 162.1





#48

2-Hexanone

Concen: 59.129 ug/L

RT: 8.137 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV024477.D

Acq: 28 Jan 2022 10:13

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005300

Tgt Ion: 43 Resp: 214685

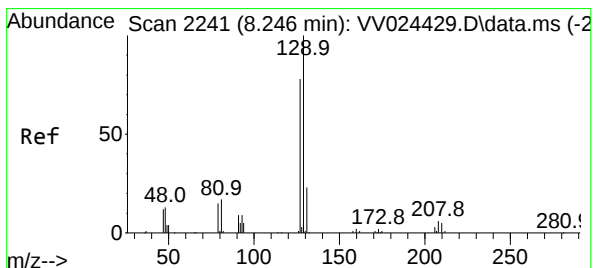
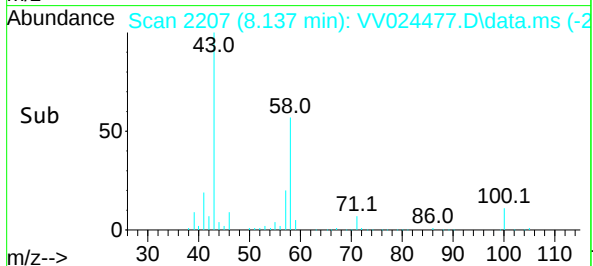
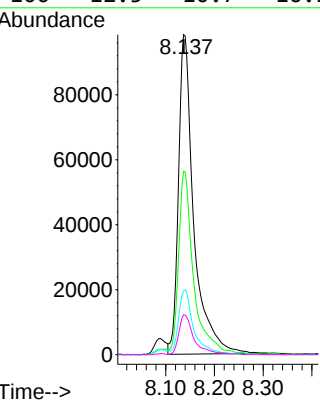
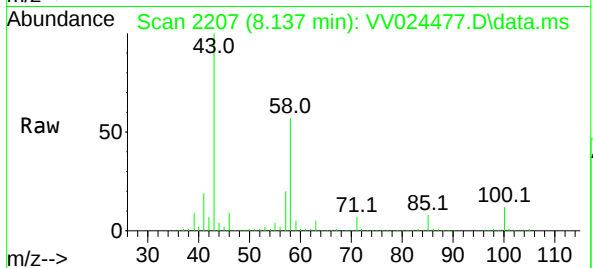
Ion Ratio Lower Upper

43 100

58 56.2 44.5 66.7

57 20.1 15.1 22.7

100 12.5 10.7 16.1



#49

Dibromochloromethane

Concen: 5.674 ug/L

RT: 8.243 min Scan# 2240

Delta R.T. 0.000 min

Lab File: VV024477.D

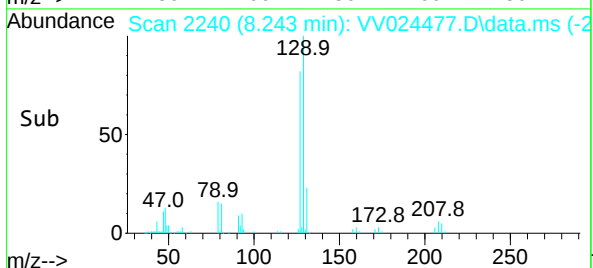
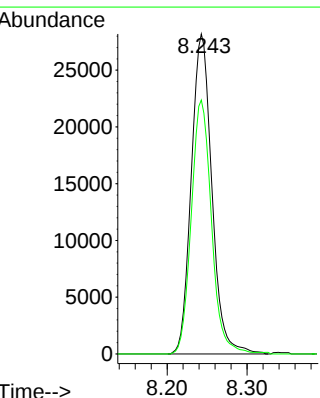
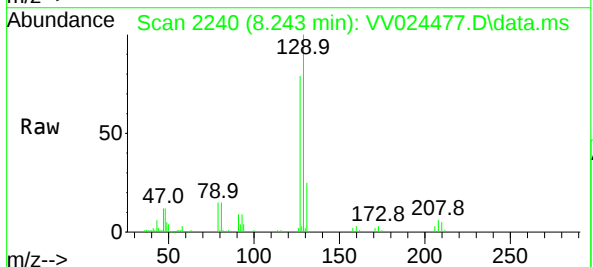
Acq: 28 Jan 2022 10:13

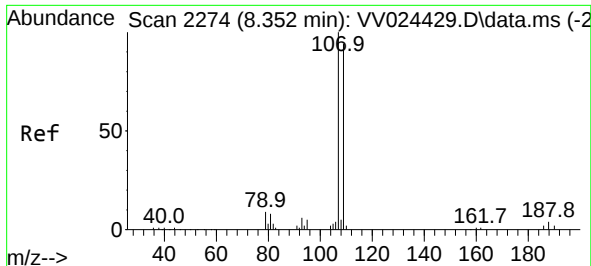
Tgt Ion: 129 Resp: 50579

Ion Ratio Lower Upper

129 100

127 79.4 53.5 99.3

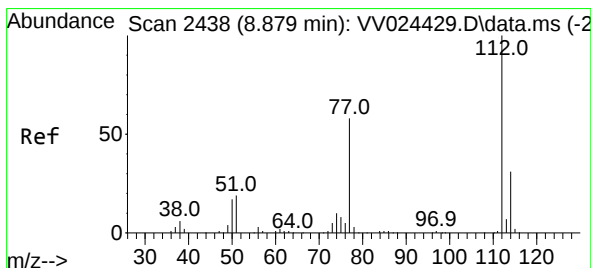
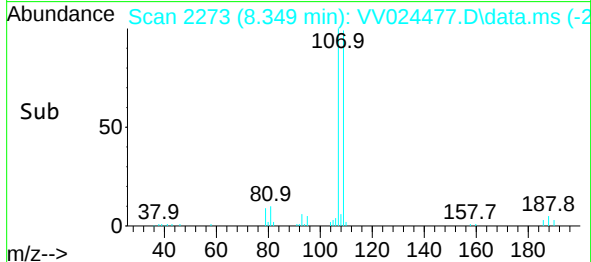
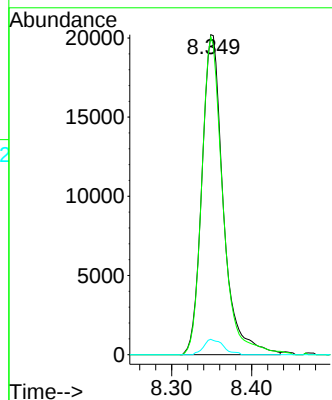
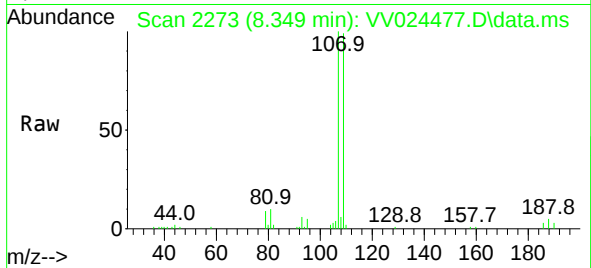




#50  
1,2-Dibromoethane  
Concen: 5.612 ug/L  
RT: 8.349 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV024477.D  
Acq: 28 Jan 2022 10:13

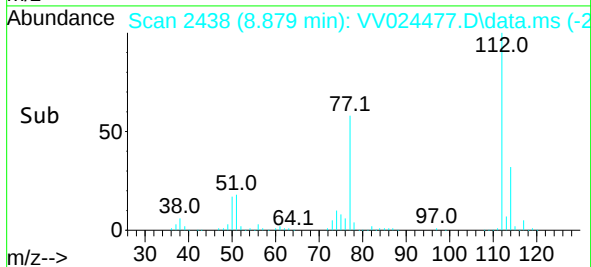
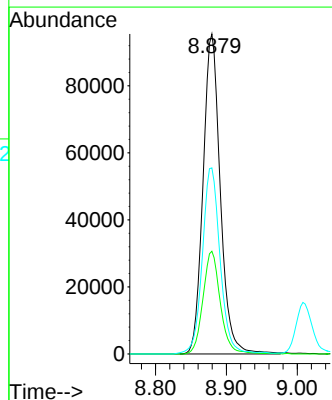
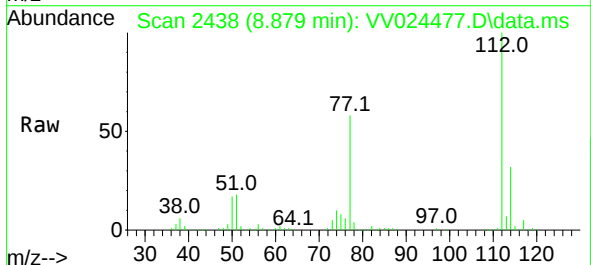
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005300

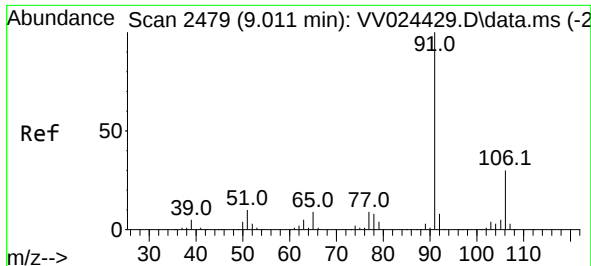
Tgt Ion:107 Resp: 37683  
Ion Ratio Lower Upper  
107 100  
109 99.3 62.5 116.1  
188 4.8 3.4 5.2



#51  
Chlorobenzene  
Concen: 5.485 ug/L  
RT: 8.879 min Scan# 2438  
Delta R.T. 0.000 min  
Lab File: VV024477.D  
Acq: 28 Jan 2022 10:13

Tgt Ion:112 Resp: 161760  
Ion Ratio Lower Upper  
112 100  
114 32.1 23.3 43.3  
77 58.2 43.3 64.9





#52

Ethylbenzene

Concen: 5.390 ug/L

RT: 9.008 min Scan# 24

Delta R.T. 0.000 min

Lab File: VV024477.D

Acq: 28 Jan 2022 10:13

Instrument :

MSVOA\_V

ClientSampleId :

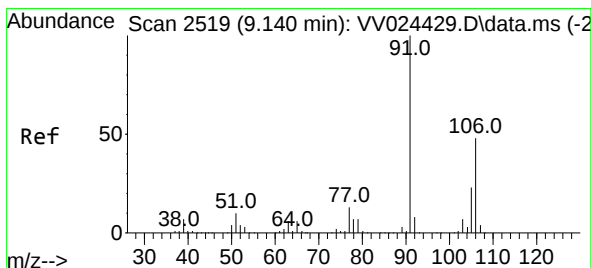
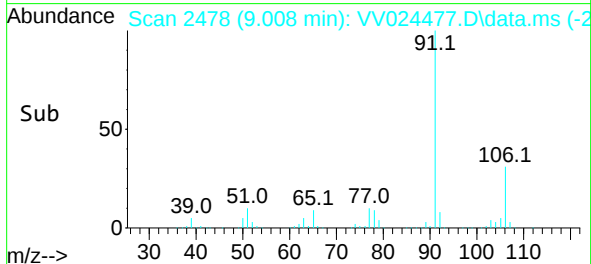
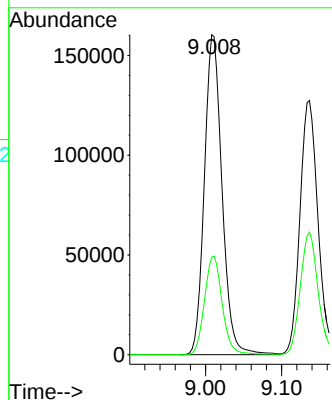
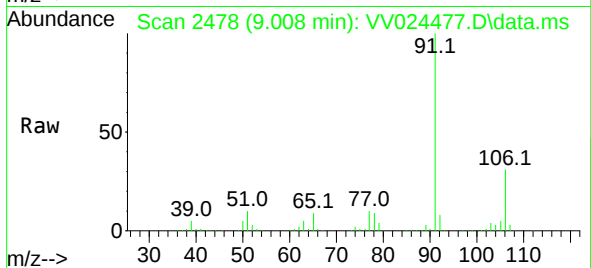
VSTD005300

Tgt Ion: 91 Resp: 258864

Ion Ratio Lower Upper

91 100

106 30.5 22.0 41.0



#53

m,p-xylene

Concen: 5.592 ug/L

RT: 9.137 min Scan# 2518

Delta R.T. 0.000 min

Lab File: VV024477.D

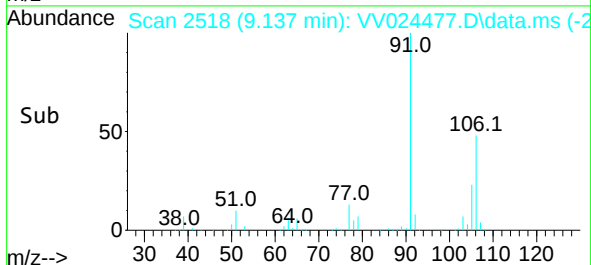
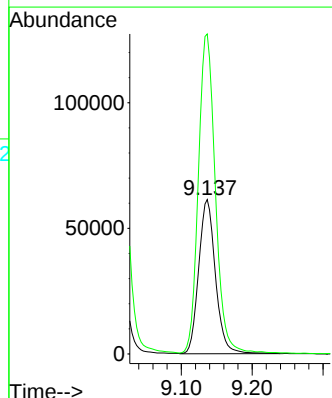
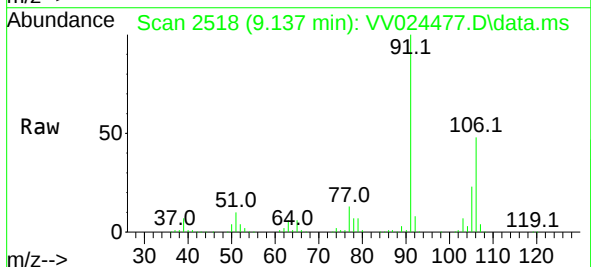
Acq: 28 Jan 2022 10:13

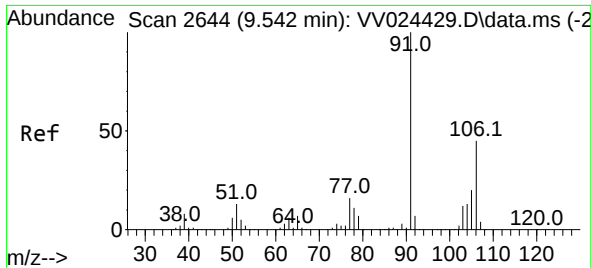
Tgt Ion: 106 Resp: 100773

Ion Ratio Lower Upper

106 100

91 207.3 139.5 259.1

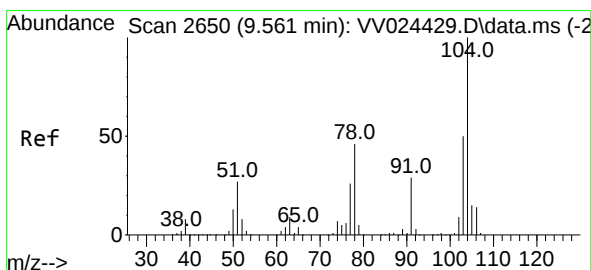
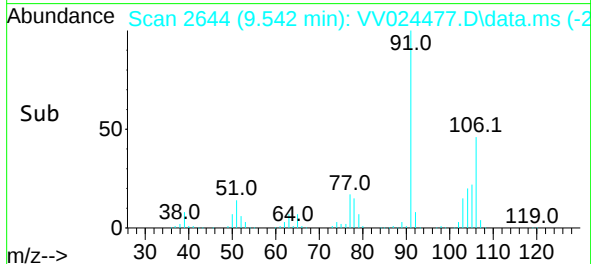
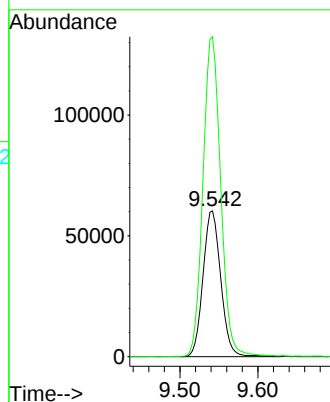
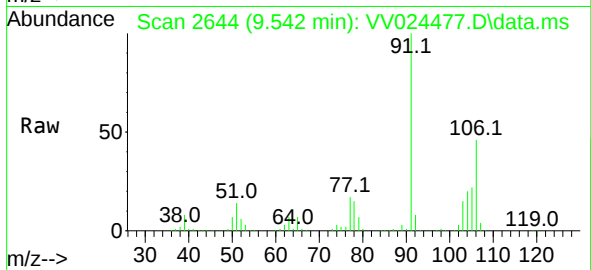




#54  
o-xylene  
Concen: 5.627 ug/L  
RT: 9.542 min Scan# 2644  
Delta R.T. 0.000 min  
Lab File: VV024477.D  
Acq: 28 Jan 2022 10:13

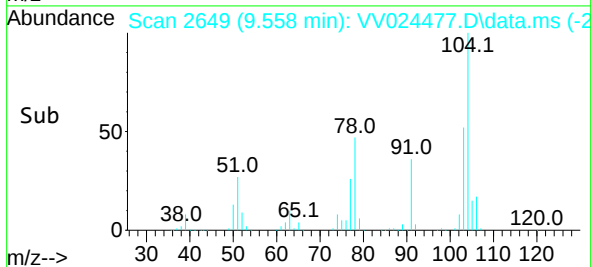
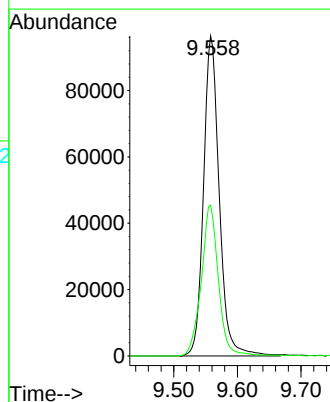
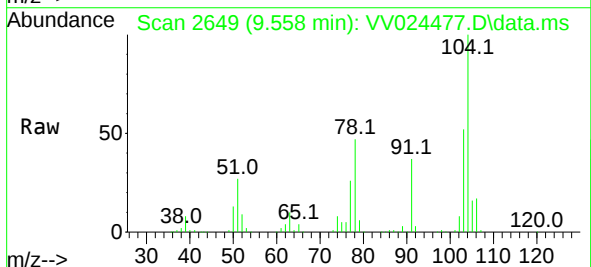
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005300

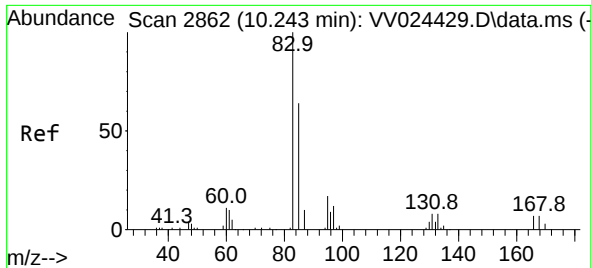
Tgt Ion:106 Resp: 95577  
Ion Ratio Lower Upper  
106 100  
91 219.5 147.9 274.7



#55  
Styrene  
Concen: 5.822 ug/L  
RT: 9.558 min Scan# 2649  
Delta R.T. 0.000 min  
Lab File: VV024477.D  
Acq: 28 Jan 2022 10:13

Tgt Ion:104 Resp: 165321  
Ion Ratio Lower Upper  
104 100  
78 47.2 31.0 57.6

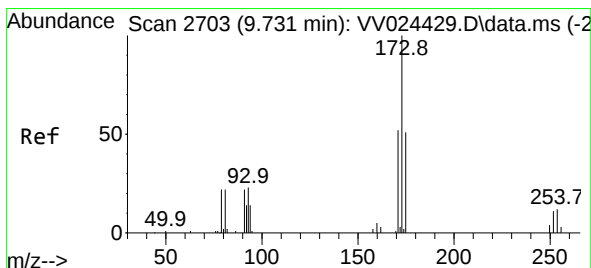
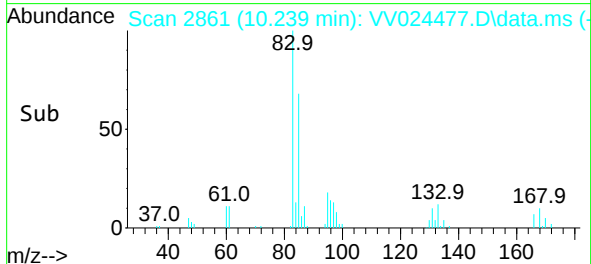
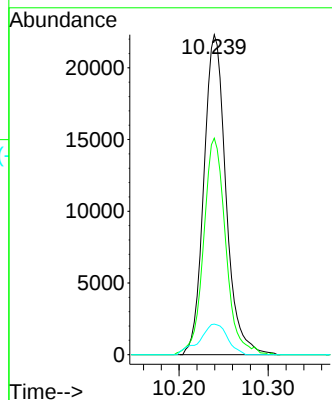
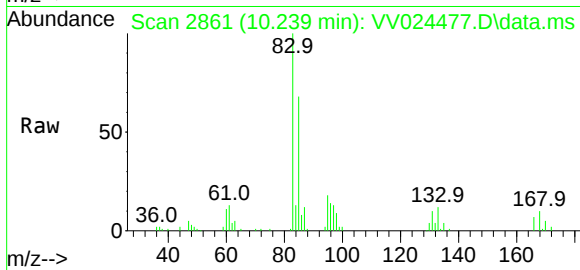




#57  
1,1,2,2-Tetrachloroethane  
Concen: 5.470 ug/L  
RT: 10.239 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV024477.D  
Acq: 28 Jan 2022 10:13

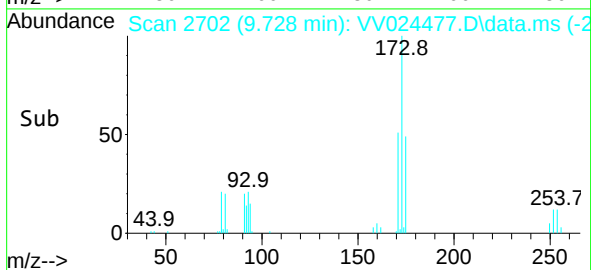
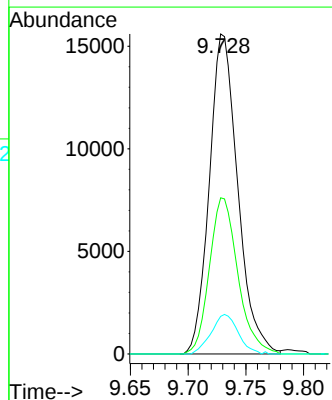
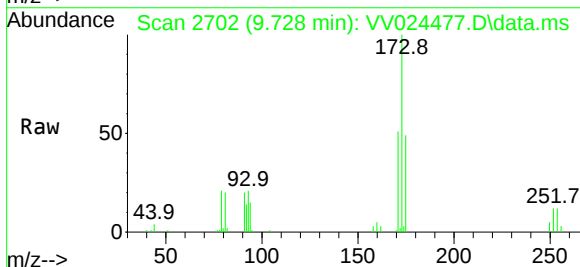
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005300

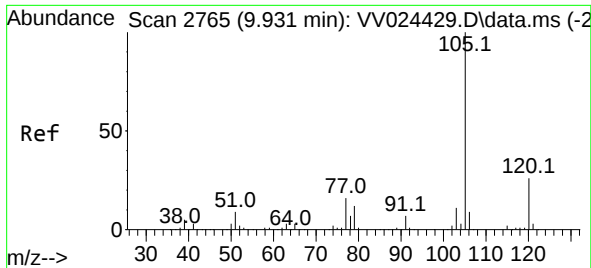
Tgt Ion: 83 Resp: 38369  
Ion Ratio Lower Upper  
83 100  
85 67.6 44.6 82.8  
131 9.5 8.3 12.5



#59  
Bromoform  
Concen: 5.525 ug/L  
RT: 9.728 min Scan# 2702  
Delta R.T. 0.000 min  
Lab File: VV024477.D  
Acq: 28 Jan 2022 10:13

Tgt Ion: 173 Resp: 26689  
Ion Ratio Lower Upper  
173 100  
175 48.8 39.4 59.2  
254 11.8 7.4 11.0#

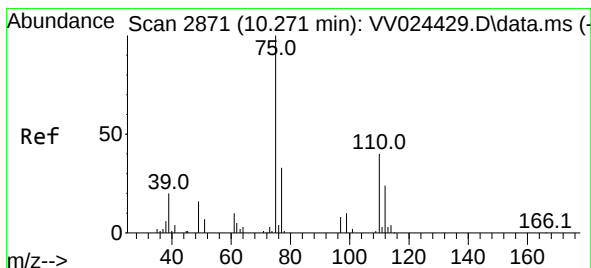
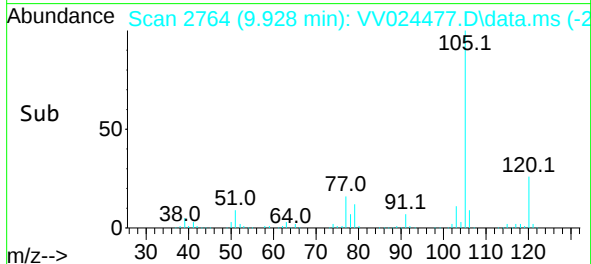
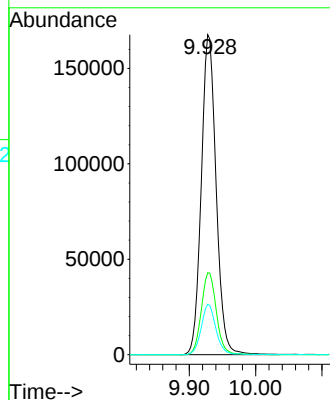
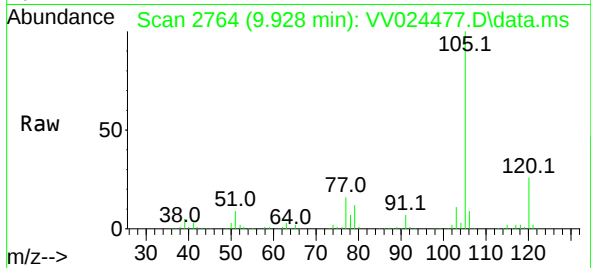




#60  
Isopropylbenzene  
Concen: 5.573 ug/L  
RT: 9.928 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VV024477.D  
Acq: 28 Jan 2022 10:13

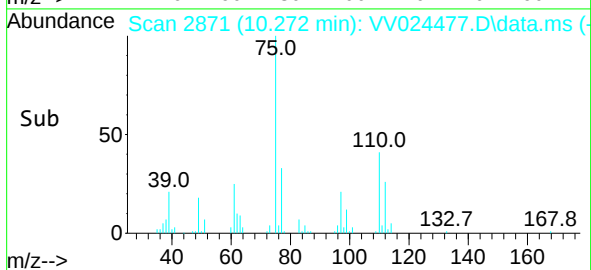
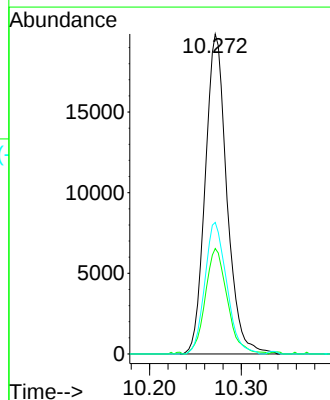
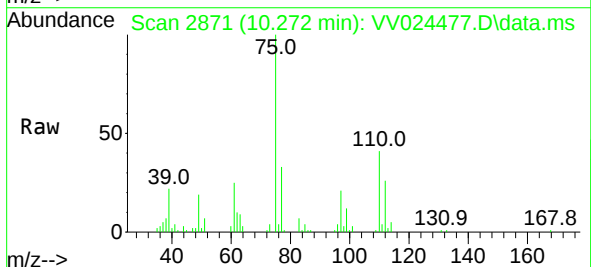
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005300

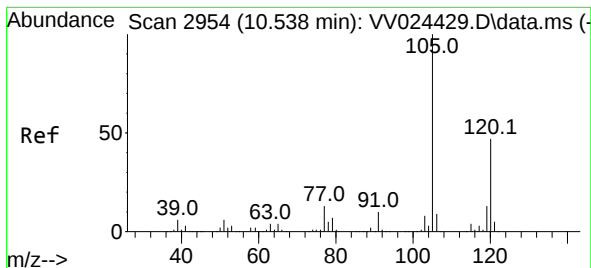
Tgt Ion:105 Resp: 260744  
Ion Ratio Lower Upper  
105 100  
120 25.9 21.4 32.0  
77 15.7 12.2 18.4



#61  
1,2,3-Trichloropropane  
Concen: 5.463 ug/L  
RT: 10.272 min Scan# 2871  
Delta R.T. 0.000 min  
Lab File: VV024477.D  
Acq: 28 Jan 2022 10:13

Tgt Ion: 75 Resp: 32520  
Ion Ratio Lower Upper  
75 100  
77 33.5 26.4 39.6  
110 41.5 34.2 51.2





#62

1,3,5-Trimethylbenzene

Concen: 5.434 ug/L

RT: 10.538 min Scan# 2954

Delta R.T. 0.000 min

Lab File: VV024477.D

Acq: 28 Jan 2022 10:13

Instrument :

MSVOA\_V

ClientSampleId :

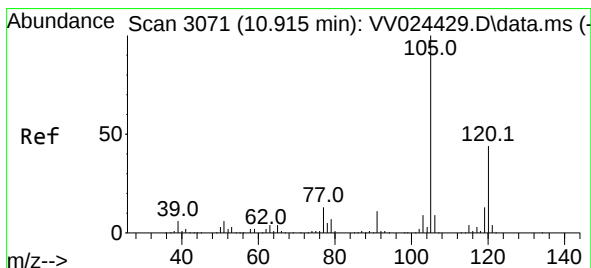
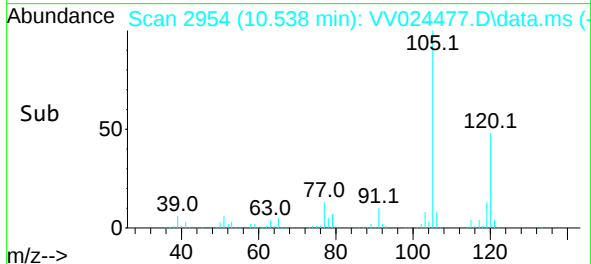
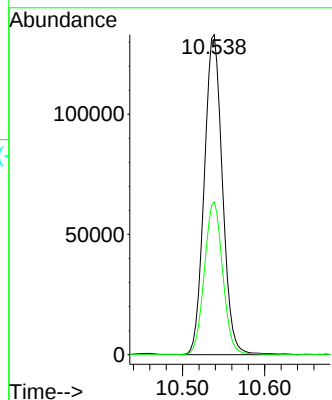
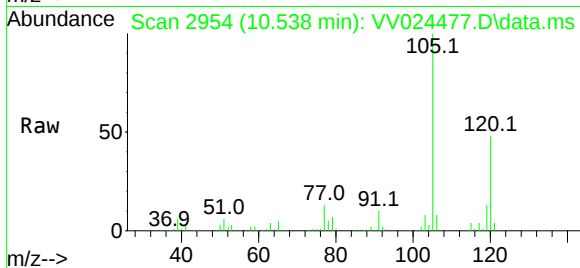
VSTD005300

Tgt Ion:105 Resp: 204724

Ion Ratio Lower Upper

105 100

120 48.1 40.1 60.1



#63

1,2,4-Trimethylbenzene

Concen: 5.484 ug/L

RT: 10.911 min Scan# 3070

Delta R.T. 0.000 min

Lab File: VV024477.D

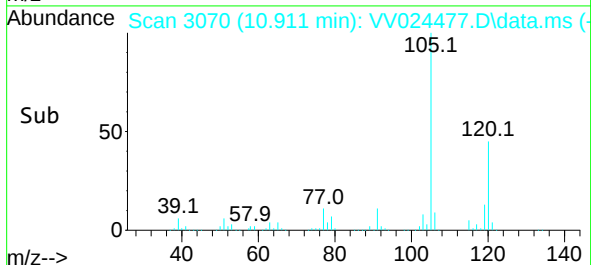
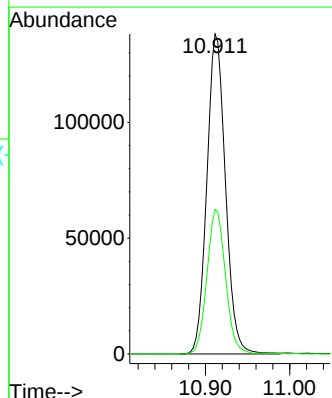
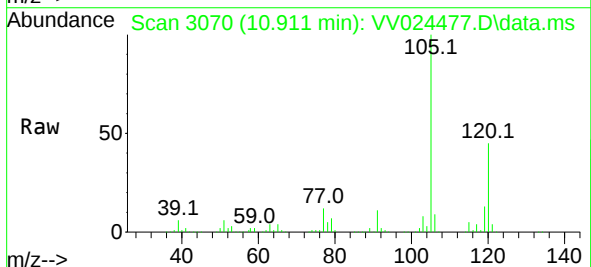
Acq: 28 Jan 2022 10:13

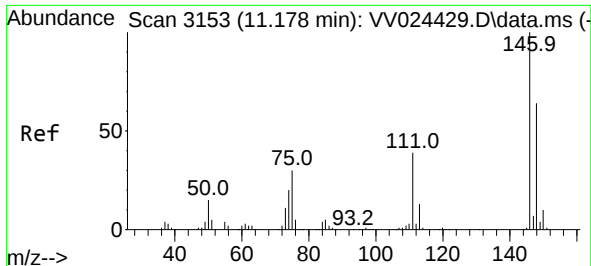
Tgt Ion:105 Resp: 211980

Ion Ratio Lower Upper

105 100

120 45.1 36.7 55.1

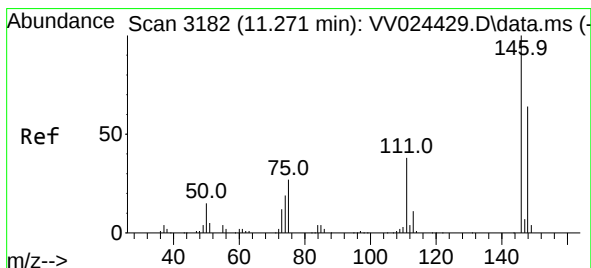
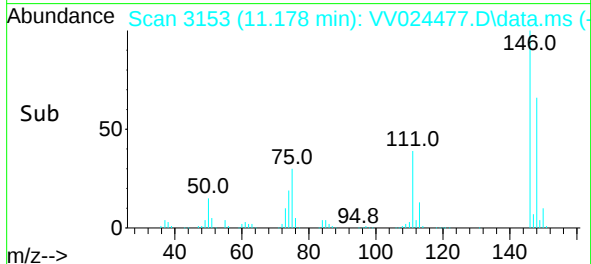
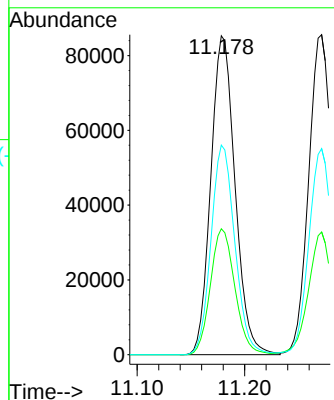
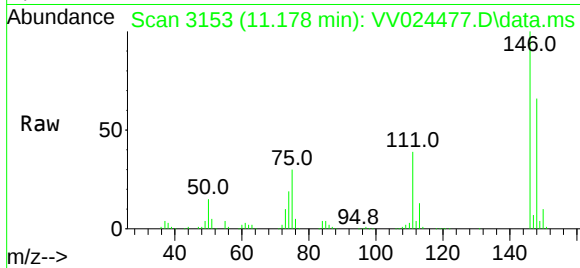




#64  
1,3-Dichlorobenzene  
Concen: 5.655 ug/L  
RT: 11.178 min Scan# 3153  
Delta R.T. 0.000 min  
Lab File: VV024477.D  
Acq: 28 Jan 2022 10:13

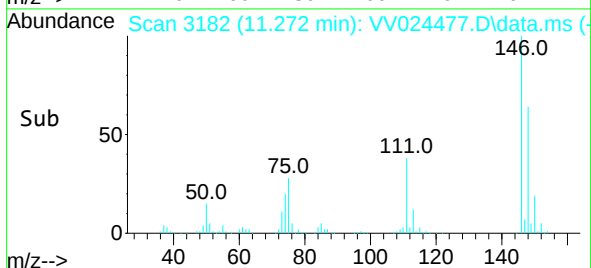
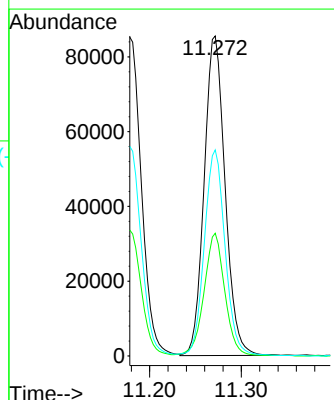
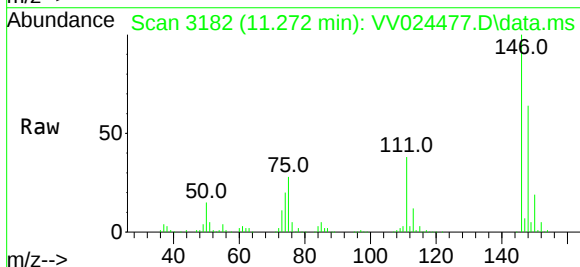
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005300

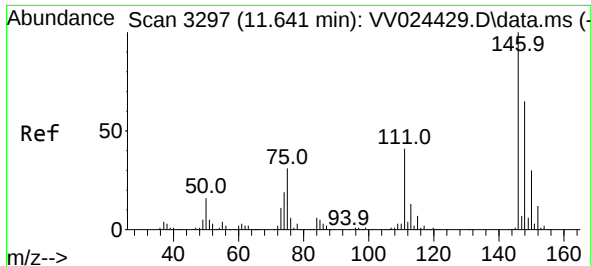
Tgt Ion:146 Resp: 133743  
Ion Ratio Lower Upper  
146 100  
111 39.5 26.3 48.9  
148 65.7 44.4 82.5



#65  
1,4-Dichlorobenzene  
Concen: 5.630 ug/L  
RT: 11.272 min Scan# 3182  
Delta R.T. 0.000 min  
Lab File: VV024477.D  
Acq: 28 Jan 2022 10:13

Tgt Ion:146 Resp: 135541  
Ion Ratio Lower Upper  
146 100  
111 38.4 25.6 47.6  
148 64.4 44.8 83.2

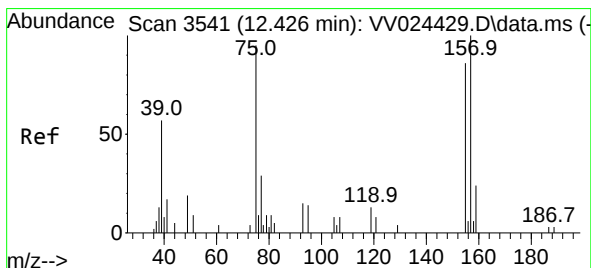
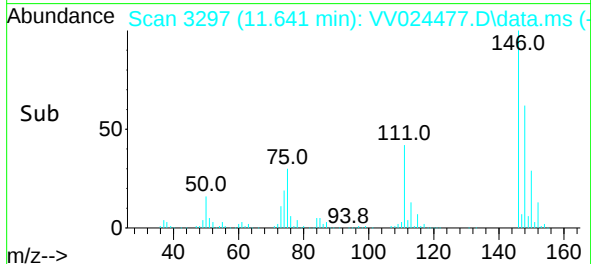
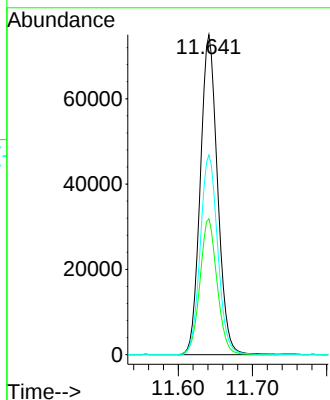
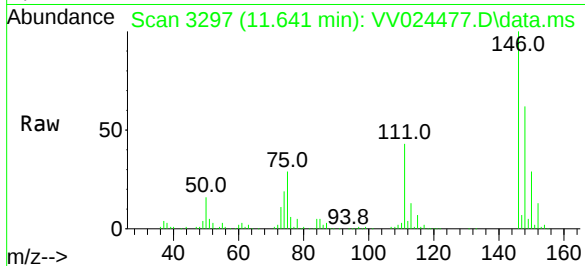




#67  
1,2-Dichlorobenzene  
Concen: 5.575 ug/L  
RT: 11.641 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VV024477.D  
Acq: 28 Jan 2022 10:13

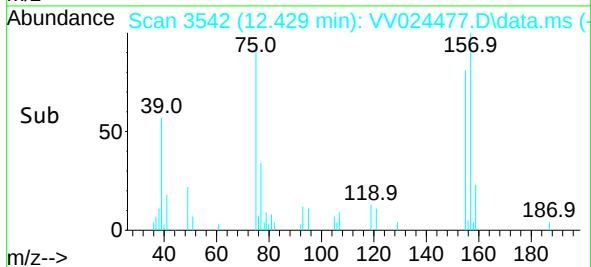
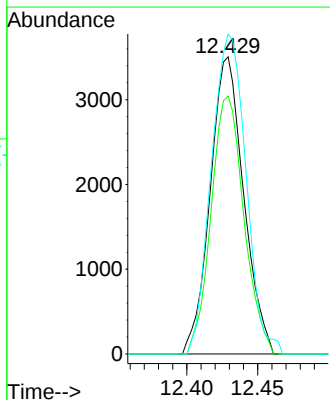
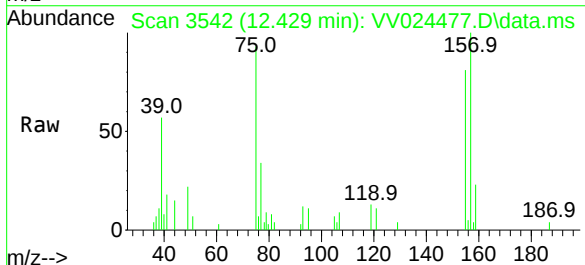
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005300

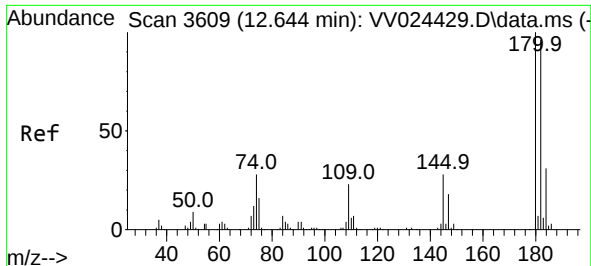
Tgt Ion:146 Resp: 121019  
Ion Ratio Lower Upper  
146 100  
111 42.5 31.9 47.9  
148 62.4 50.5 75.7



#68  
1,2-Dibromo-3-chloropropane  
Concen: 4.984 ug/L  
RT: 12.429 min Scan# 3542  
Delta R.T. 0.000 min  
Lab File: VV024477.D  
Acq: 28 Jan 2022 10:13

Tgt Ion: 75 Resp: 5770  
Ion Ratio Lower Upper  
75 100  
155 86.8 71.7 107.5  
157 107.7 103.3 154.9



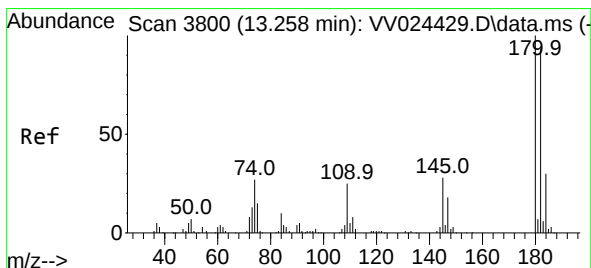
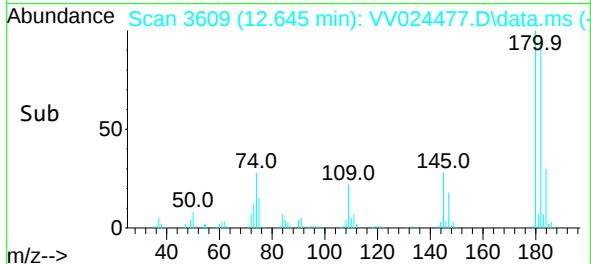
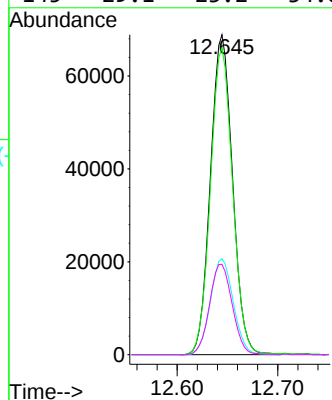
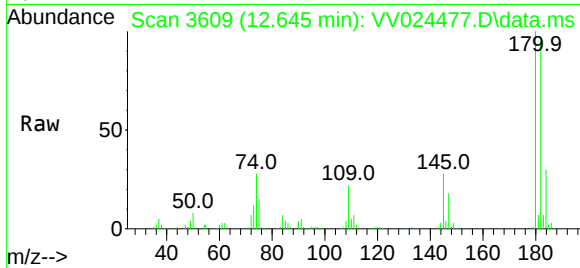


#69  
 1,3,5-Trichlorobenzene  
 Concen: 5.459 ug/L  
 RT: 12.645 min Scan# 3609  
 Delta R.T. 0.000 min  
 Lab File: VV024477.D  
 Acq: 28 Jan 2022 10:13

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005300

Tgt Ion:180 Resp: 105235

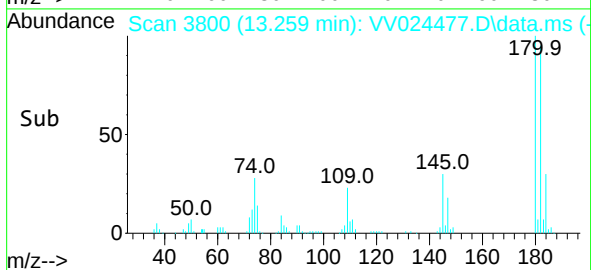
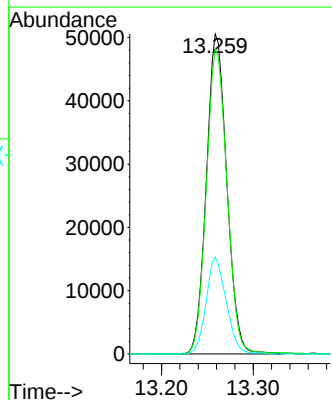
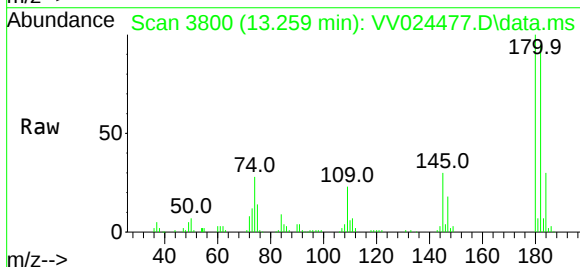
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 95.9  | 76.4  | 114.6 |
| 184 | 31.0  | 24.2  | 36.4  |
| 145 | 29.1  | 23.2  | 34.8  |

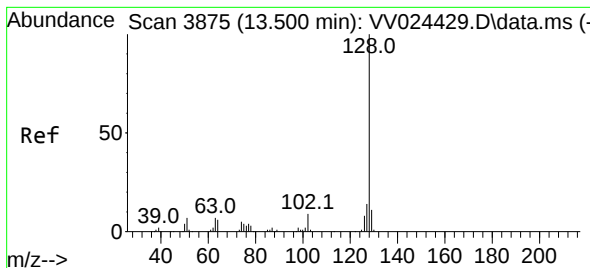


#70  
 1,2,4-trichlorobenzene  
 Concen: 5.330 ug/L  
 RT: 13.259 min Scan# 3800  
 Delta R.T. 0.000 min  
 Lab File: VV024477.D  
 Acq: 28 Jan 2022 10:13

Tgt Ion:180 Resp: 78252

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 96.3  | 74.4  | 111.6 |
| 145 | 29.8  | 23.3  | 34.9  |





#71

Naphthalene

Concen: 5.243 ug/L

RT: 13.500 min Scan# 3875

Delta R.T. -0.003 min

Lab File: VV024477.D

Acq: 28 Jan 2022 10:13

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005300

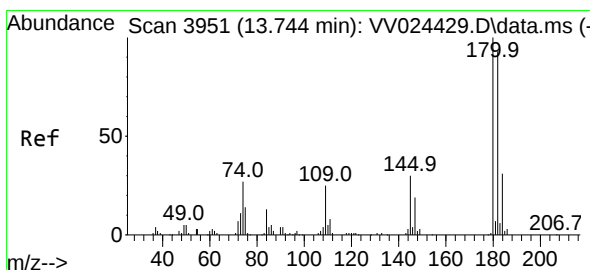
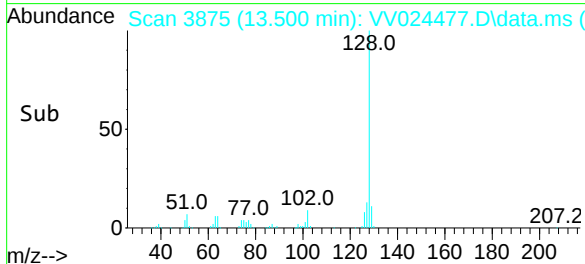
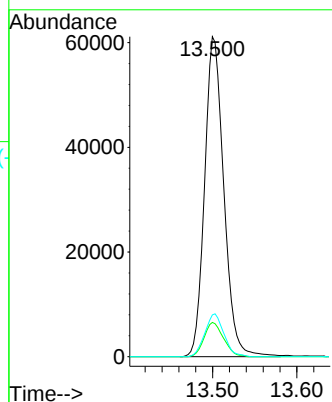
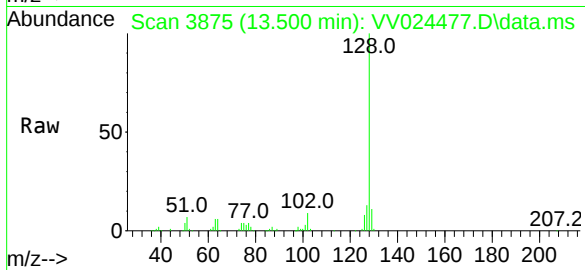
Tgt Ion:128 Resp: 97080

Ion Ratio Lower Upper

128 100

129 10.8 9.0 13.4

127 13.3 10.2 15.4



#72

1,2,3-Trichlorobenzene

Concen: 5.577 ug/L

RT: 13.744 min Scan# 3951

Delta R.T. 0.000 min

Lab File: VV024477.D

Acq: 28 Jan 2022 10:13

Tgt Ion:180 Resp: 69854

Ion Ratio Lower Upper

180 100

182 94.1 76.8 115.2

145 31.1 25.8 38.6

