

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW083022\  
 Data File : VW027578.D  
 Acq On : 30 Aug 2022 11:46  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005391

Quant Time: Aug 31 04:40:17 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR081922WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Aug 27 03:12:26 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.616  | 114   | 166904   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.850  | 117   | 165639   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.246 | 152   | 86408    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65    | 51758    | 4.357    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 87.200%  |
| 7) Chloroethane-d5            | 1.564  | 69    | 43523    | 5.006    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 100.200% |
| 11) 1,1-Dichloroethene-d2     | 2.105  | 63    | 105026   | 3.792    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 75.800%  |
| 20) 2-Butanone-d5             | 3.889  | 46    | 83103    | 56.216   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 112.440% |
| 24) Chloroform-d              | 4.342  | 84    | 112152   | 4.722    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 94.400%  |
| 26) 1,2-Dichloroethane-d4     | 5.030  | 65    | 51745    | 5.036    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 100.800% |
| 32) Benzene-d6                | 5.047  | 84    | 203935   | 4.445    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 89.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.066  | 67    | 62795    | 4.708    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 94.200%  |
| 41) Toluene-d8                | 7.313  | 98    | 184632   | 4.457    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 89.200%  |
| 43) trans-1,3-Dichloroprop... | 7.622  | 79    | 21032    | 4.605    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 92.200%  |
| 46) 2-Hexanone-d5             | 8.088  | 63    | 82466    | 54.853   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 109.700% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214 | 84    | 43681    | 5.142    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 102.800% |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152   | 57500    | 4.489    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 89.800%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.127  | 85    | 73417    | 4.145    | ug/L   | 99       |
| 3) Chloromethane              | 1.240  | 50    | 70727    | 4.573    | ug/L   | 100      |
| 5) Vinyl chloride             | 1.310  | 62    | 72688    | 4.669    | ug/L   | 98       |
| 6) Bromomethane               | 1.519  | 94    | 32680    | 4.245    | ug/L   | 98       |
| 8) Chloroethane               | 1.584  | 64    | 48482    | 5.329    | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 1.751  | 101   | 106673   | 4.313    | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.114  | 101   | 63268    | 4.531    | ug/L   | 96       |
| 12) 1,1-Dichloroethene        | 2.114  | 96    | 53279    | 4.219    | ug/L   | 97       |
| 13) Acetone                   | 2.175  | 43    | 52821    | 37.415   | ug/L   | 90       |
| 14) Carbon disulfide          | 2.288  | 76    | 126866   | 3.660    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.433  | 43    | 24444    | 6.252    | ug/L   | 92       |
| 16) Methylene chloride        | 2.503  | 84    | 117721   | 6.183    | ug/L   | 99       |
| 17) Methyl tert-butyl Ether   | 2.767  | 73    | 129857   | 4.970    | ug/L   | 98       |
| 18) trans-1,2-Dichloroethene  | 2.757  | 96    | 59631    | 4.583    | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.185  | 63    | 136490   | 5.068    | ug/L   | 99       |
| 21) 2-Butanone                | 3.976  | 43    | 93536    | 49.785   | ug/L   | 97       |
| 22) cis-1,2-Dichloroethene    | 3.908  | 96    | 65458    | 4.721    | ug/L   | 94       |
| 23) Bromochloromethane        | 4.243  | 128   | 29223    | 4.780    | ug/L   | 94       |
| 25) Chloroform                | 4.371  | 83    | 143381   | 4.896    | ug/L   | 94       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW083022\  
 Data File : VW027578.D  
 Acq On : 30 Aug 2022 11:46  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005391

Quant Time: Aug 31 04:40:17 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR081922WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Aug 27 03:12:26 2022  
 Response via : Initial Calibration

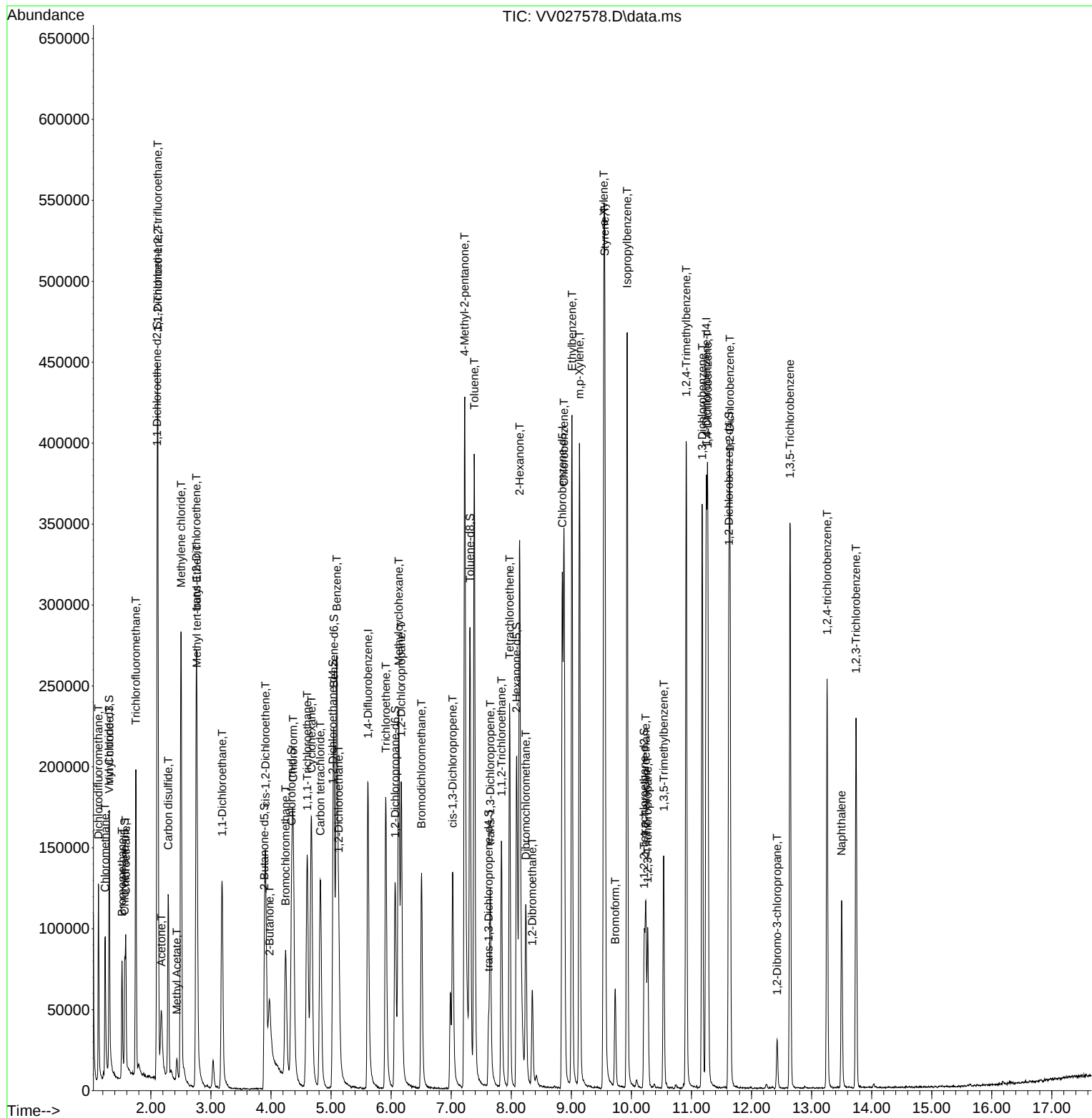
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.127  | 62   | 73621    | 4.947  | ug/L   | 99       |
| 29) 1,1,1-Trichloroethane     | 4.603  | 97   | 119637   | 4.706  | ug/L   | 100      |
| 30) Cyclohexane               | 4.674  | 56   | 84079    | 4.308  | ug/L   | 95       |
| 31) Carbon tetrachloride      | 4.821  | 117  | 101020   | 4.569  | ug/L   | 99       |
| 33) Benzene                   | 5.095  | 78   | 268680   | 4.879  | ug/L   | 100      |
| 34) Trichloroethene           | 5.911  | 95   | 67623    | 4.666  | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.127  | 83   | 85511    | 4.195  | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 6.169  | 63   | 70148    | 4.778  | ug/L   | 100      |
| 38) Bromodichloromethane      | 6.506  | 83   | 93212    | 5.007  | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 7.024  | 75   | 84005    | 4.745  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.223  | 43   | 351432   | 53.571 | ug/L   | 100      |
| 42) Toluene                   | 7.384  | 91   | 286262   | 5.036  | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 7.651  | 75   | 73009    | 4.878  | ug/L   | 100      |
| 45) 1,1,2-Trichloroethane     | 7.837  | 97   | 47719    | 5.084  | ug/L   | 98       |
| 47) Tetrachloroethene         | 7.972  | 164  | 50975    | 4.515  | ug/L   | 98       |
| 48) 2-Hexanone                | 8.140  | 43   | 256376   | 54.237 | ug/L   | 98       |
| 49) Dibromochloromethane      | 8.243  | 129  | 56106    | 4.860  | ug/L   | 100      |
| 50) 1,2-Dibromoethane         | 8.349  | 107  | 41508    | 5.066  | ug/L # | 99       |
| 51) Chlorobenzene             | 8.879  | 112  | 178594   | 4.854  | ug/L   | 99       |
| 52) Ethylbenzene              | 9.011  | 91   | 277883   | 4.789  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.136  | 106  | 107212   | 4.828  | ug/L   | 99       |
| 54) o-Xylene                  | 9.542  | 106  | 103392   | 4.801  | ug/L   | 100      |
| 55) Styrene                   | 9.558  | 104  | 187056   | 5.105  | ug/L   | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 55629    | 5.261  | ug/L   | 97       |
| 59) Bromoform                 | 9.731  | 173  | 27981    | 4.832  | ug/L   | 98       |
| 60) Isopropylbenzene          | 9.931  | 105  | 284199   | 4.999  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.271 | 75   | 37811    | 4.988  | ug/L   | 96       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 72423    | 4.594  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.911 | 105  | 209452   | 4.716  | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 11.178 | 146  | 140435   | 5.013  | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 11.271 | 146  | 139042   | 4.979  | ug/L   | 95       |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 129578   | 5.102  | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.426 | 75   | 7584     | 4.503  | ug/L   | 94       |
| 69) 1,3,5-Trichlorobenzene    | 12.641 | 180  | 102076   | 4.882  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.258 | 180  | 71785    | 4.724  | ug/L   | 100      |
| 71) Naphthalene               | 13.500 | 128  | 89684    | 4.276  | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 64517    | 4.781  | ug/L   | 100      |

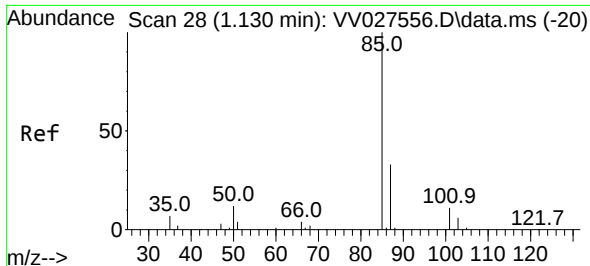
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV083022\  
Data File : VV027578.D  
Acq On : 30 Aug 2022 11:46  
Operator : SY/MD  
Sample : VSTDCCC005  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005391

Quant Time: Aug 31 04:40:17 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR081922WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Sat Aug 27 03:12:26 2022  
Response via : Initial Calibration

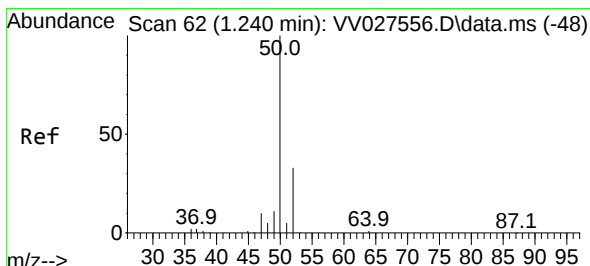
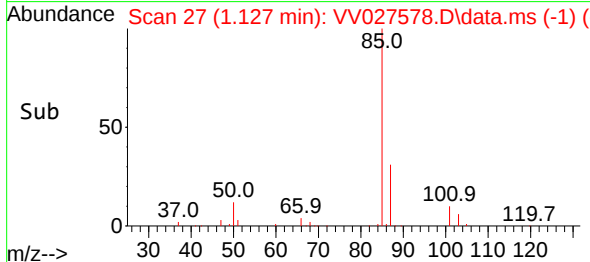
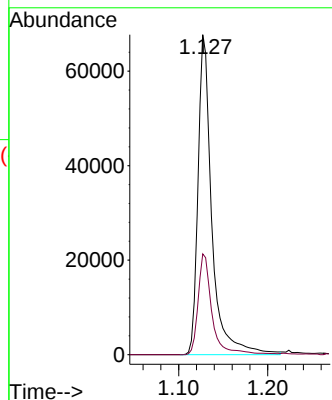
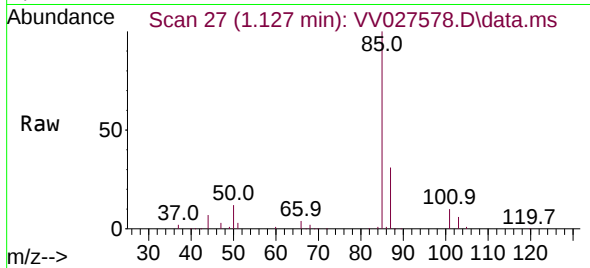




#2  
 Dichlorodifluoromethane  
 Concen: 4.145 ug/L  
 RT: 1.127 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VV027578.D  
 Acq: 30 Aug 2022 11:46

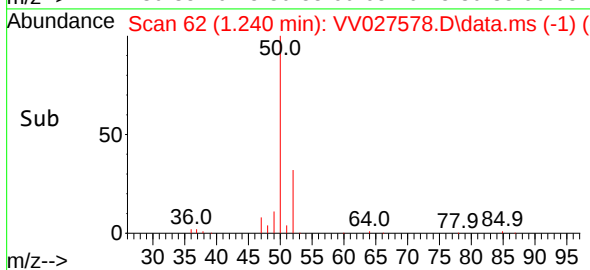
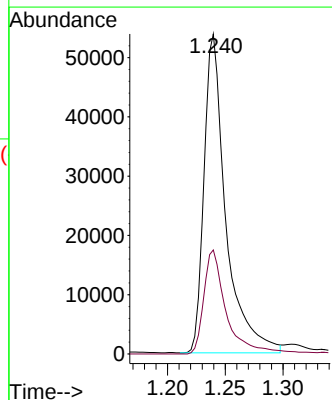
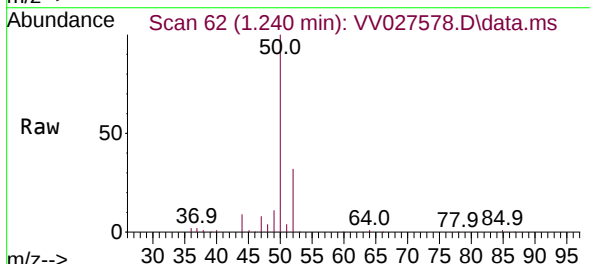
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005391

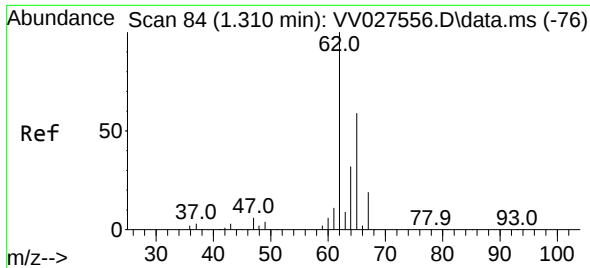
Tgt Ion: 85 Resp: 73417  
 Ion Ratio Lower Upper  
 85 100  
 87 31.8 26.0 39.0



#3  
 Chloromethane  
 Concen: 4.573 ug/L  
 RT: 1.240 min Scan# 62  
 Delta R.T. 0.003 min  
 Lab File: VV027578.D  
 Acq: 30 Aug 2022 11:46

Tgt Ion: 50 Resp: 70727  
 Ion Ratio Lower Upper  
 50 100  
 52 32.5 22.8 42.4

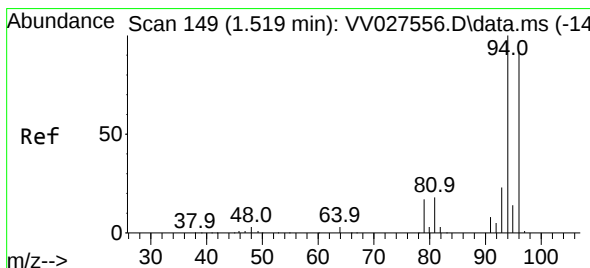
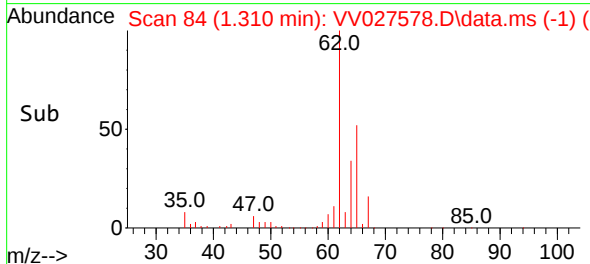
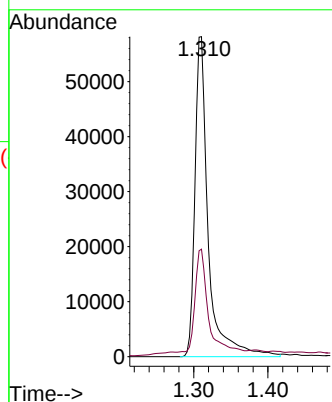
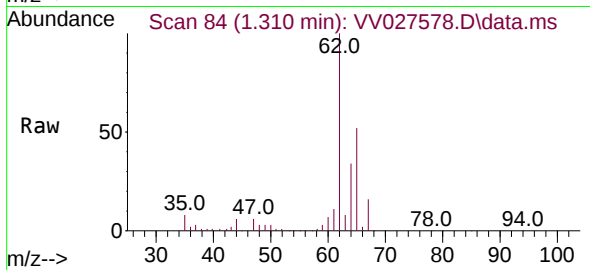




#5  
 Vinyl chloride  
 Concen: 4.669 ug/L  
 RT: 1.310 min Scan# 84  
 Delta R.T. 0.003 min  
 Lab File: VV027578.D  
 Acq: 30 Aug 2022 11:46

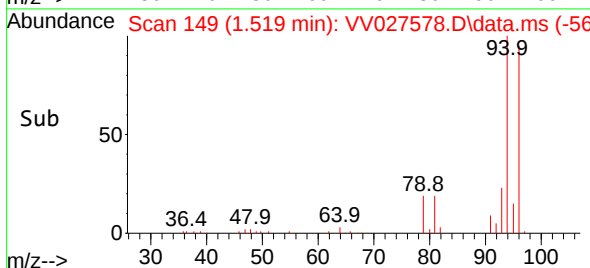
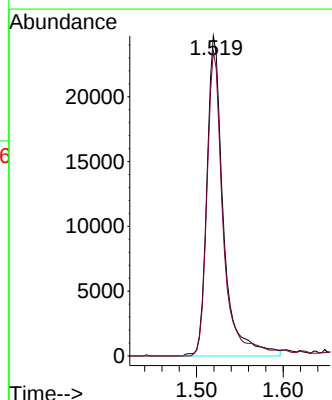
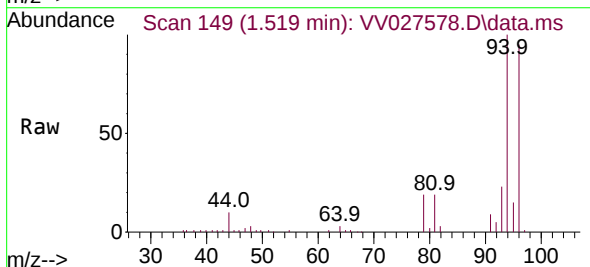
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005391

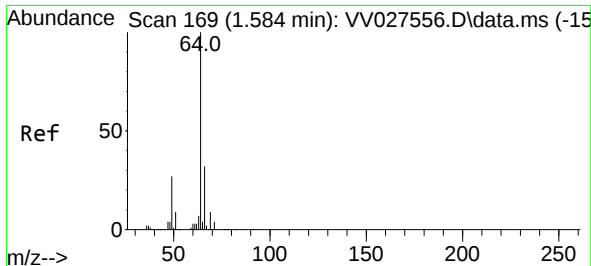
Tgt Ion: 62 Resp: 72688  
 Ion Ratio Lower Upper  
 62 100  
 64 33.6 22.6 42.0



#6  
 Bromomethane  
 Concen: 4.245 ug/L  
 RT: 1.519 min Scan# 149  
 Delta R.T. -0.000 min  
 Lab File: VV027578.D  
 Acq: 30 Aug 2022 11:46

Tgt Ion: 94 Resp: 32680  
 Ion Ratio Lower Upper  
 94 100  
 96 95.3 65.2 121.0

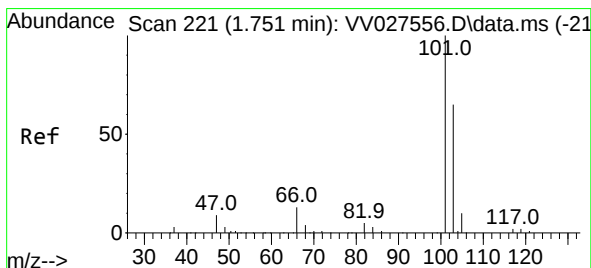
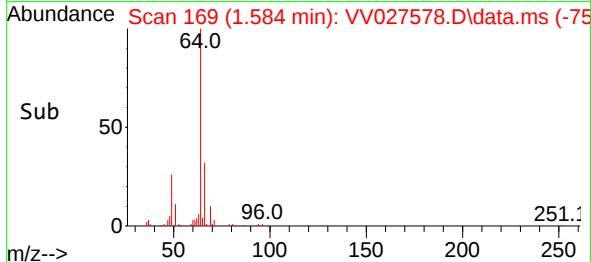
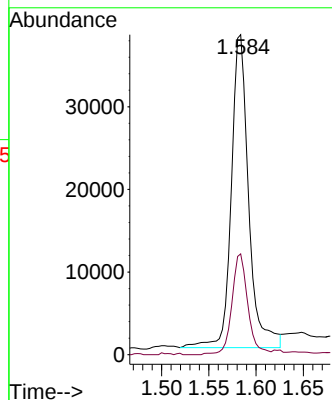
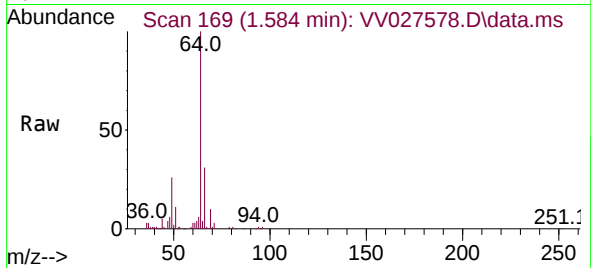




#8  
Chloroethane  
Concen: 5.329 ug/L  
RT: 1.584 min Scan# 169  
Delta R.T. 0.003 min  
Lab File: VV027578.D  
Acq: 30 Aug 2022 11:46

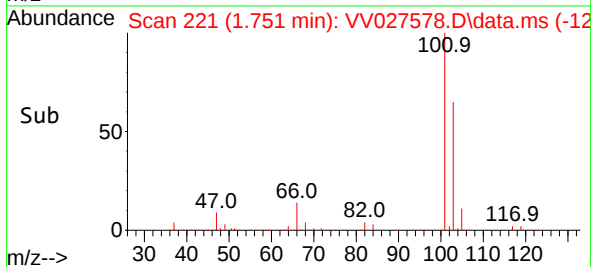
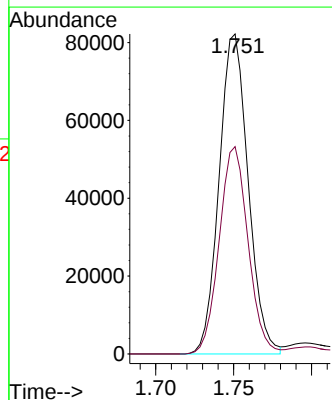
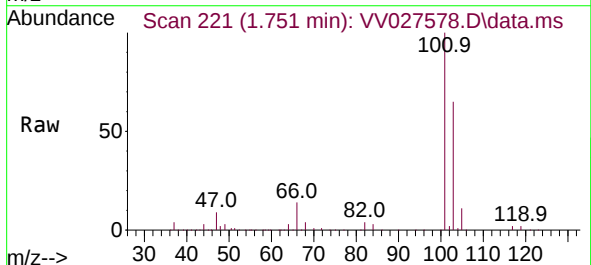
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005391

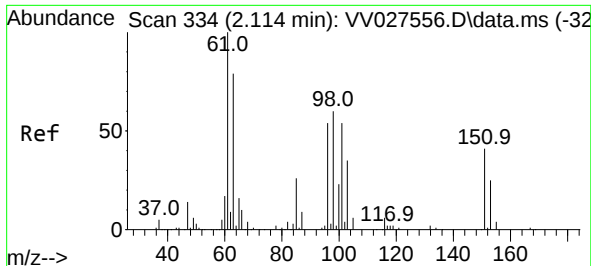
Tgt Ion: 64 Resp: 48482  
Ion Ratio Lower Upper  
64 100  
66 31.5 23.3 43.3



#9  
Trichlorofluoromethane  
Concen: 4.313 ug/L  
RT: 1.751 min Scan# 221  
Delta R.T. 0.003 min  
Lab File: VV027578.D  
Acq: 30 Aug 2022 11:46

Tgt Ion:101 Resp: 106673  
Ion Ratio Lower Upper  
101 100  
103 64.4 51.5 77.3

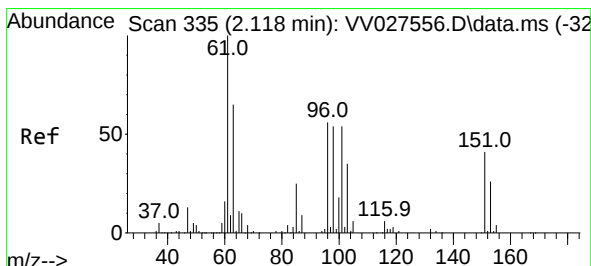
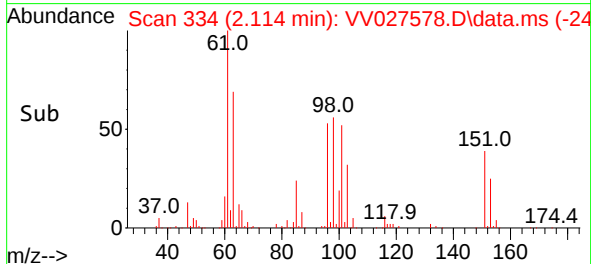
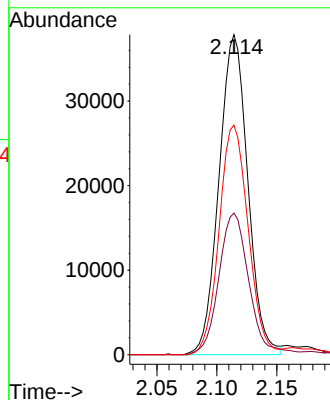
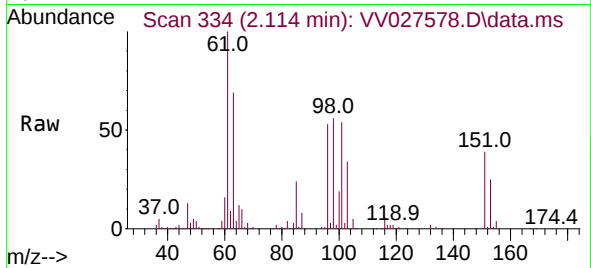




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 4.531 ug/L  
 RT: 2.114 min Scan# 334  
 Delta R.T. 0.003 min  
 Lab File: VV027578.D  
 Acq: 30 Aug 2022 11:46

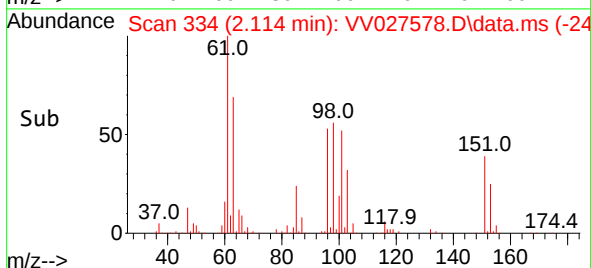
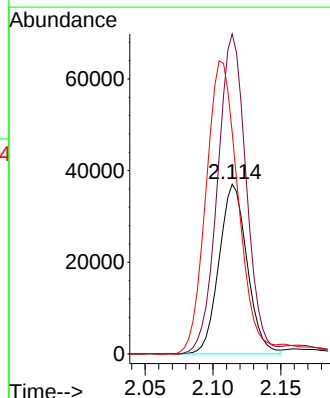
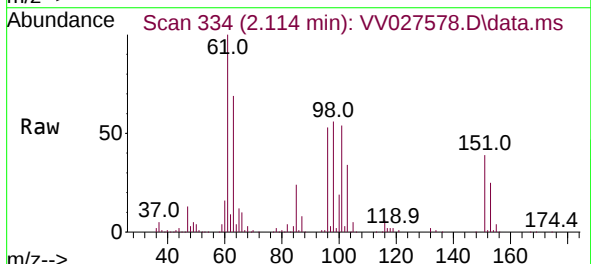
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005391

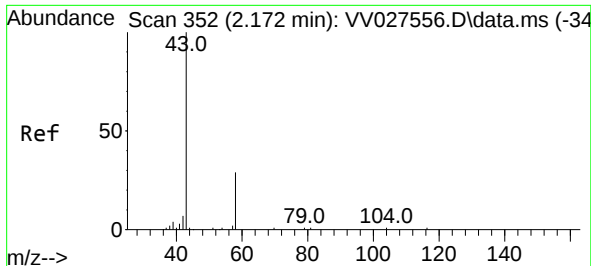
Tgt Ion:101 Resp: 63268  
 Ion Ratio Lower Upper  
 101 100  
 85 46.1 35.3 52.9  
 151 72.3 55.2 82.8



#12  
 1,1-Dichloroethene  
 Concen: 4.219 ug/L  
 RT: 2.114 min Scan# 334  
 Delta R.T. 0.003 min  
 Lab File: VV027578.D  
 Acq: 30 Aug 2022 11:46

Tgt Ion: 96 Resp: 53279  
 Ion Ratio Lower Upper  
 96 100  
 61 188.5 130.2 241.8  
 63 130.6 87.4 162.4

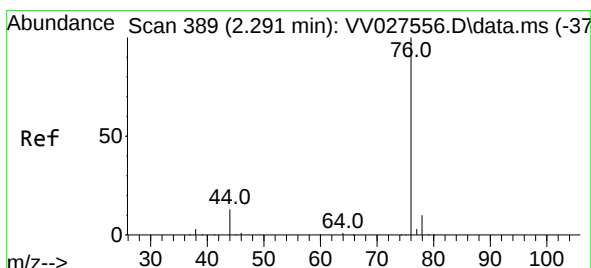
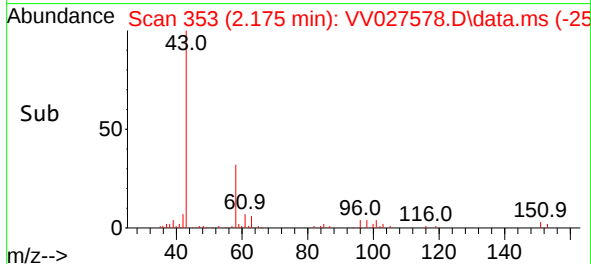
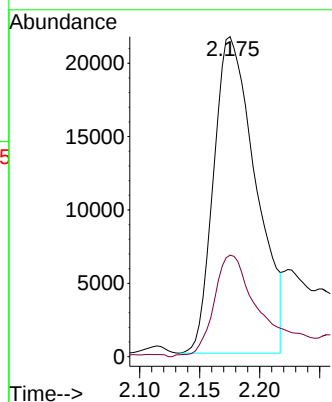
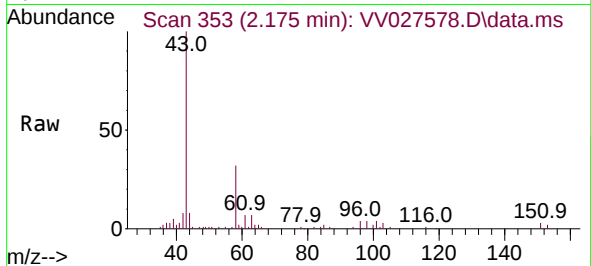




#13  
Acetone  
Concen: 37.415 ug/L  
RT: 2.175 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VV027578.D  
Acq: 30 Aug 2022 11:46

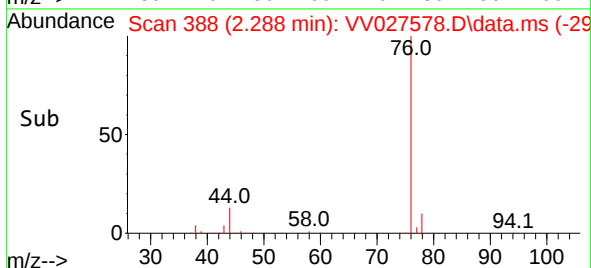
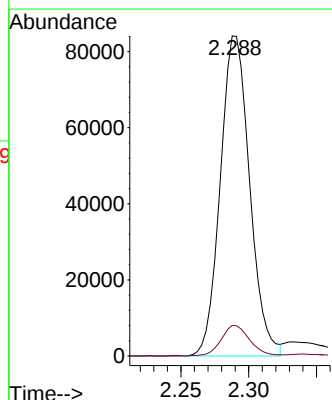
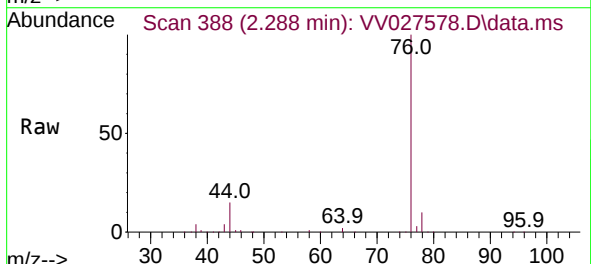
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005391

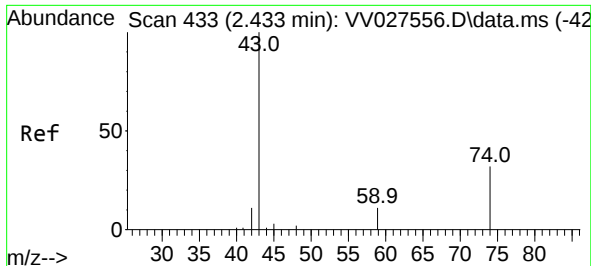
Tgt Ion: 43 Resp: 52821  
Ion Ratio Lower Upper  
43 100  
58 36.6 0.0 62.2



#14  
Carbon disulfide  
Concen: 3.660 ug/L  
RT: 2.288 min Scan# 388  
Delta R.T. -0.000 min  
Lab File: VV027578.D  
Acq: 30 Aug 2022 11:46

Tgt Ion: 76 Resp: 126866  
Ion Ratio Lower Upper  
76 100  
78 9.6 7.3 10.9

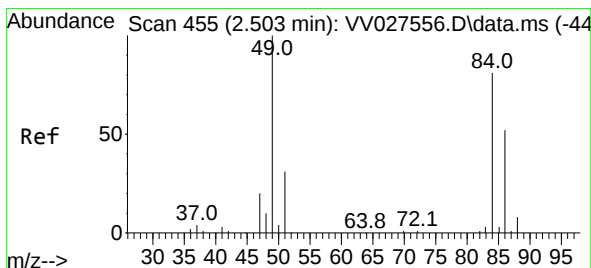
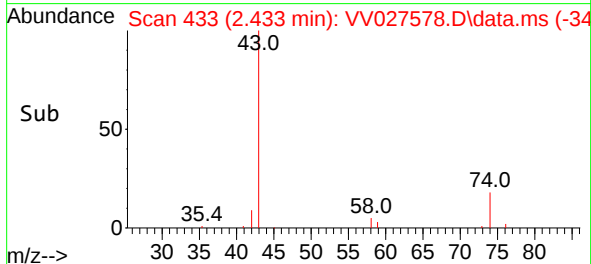
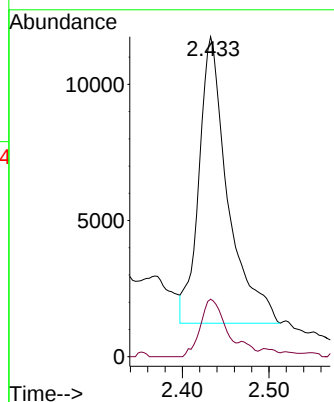
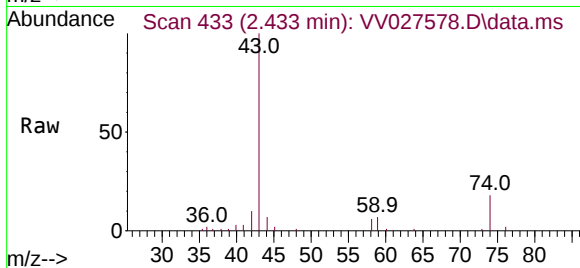




#15  
Methyl Acetate  
Concen: 6.252 ug/L  
RT: 2.433 min Scan# 411  
Delta R.T. -0.000 min  
Lab File: VV027578.D  
Acq: 30 Aug 2022 11:46

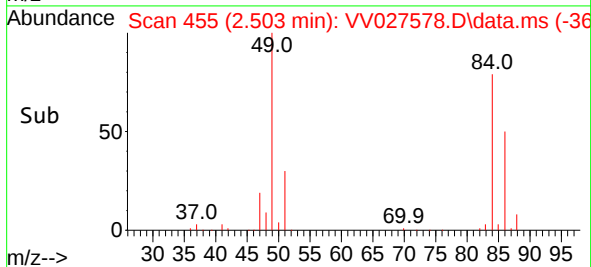
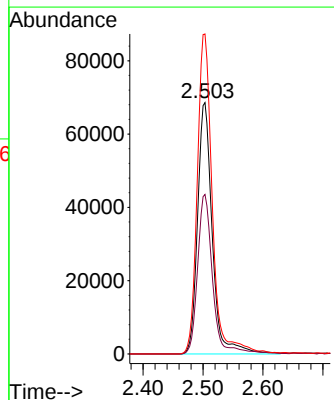
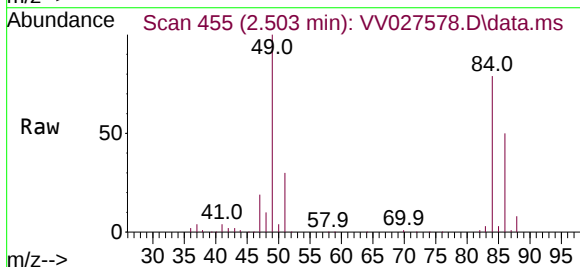
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005391

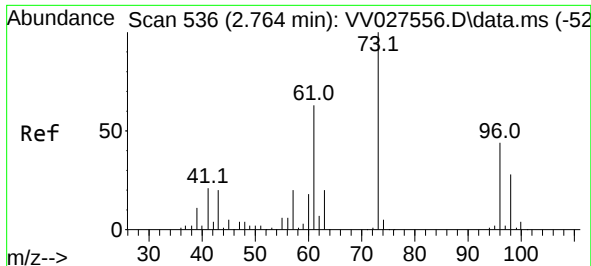
Tgt Ion: 43 Resp: 24444  
Ion Ratio Lower Upper  
43 100  
74 16.5 16.3 24.5



#16  
Methylene chloride  
Concen: 6.183 ug/L  
RT: 2.503 min Scan# 455  
Delta R.T. 0.003 min  
Lab File: VV027578.D  
Acq: 30 Aug 2022 11:46

Tgt Ion: 84 Resp: 117721  
Ion Ratio Lower Upper  
84 100  
86 63.5 44.0 81.6  
49 127.3 89.4 166.0

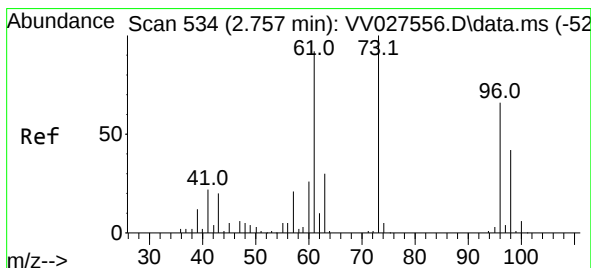
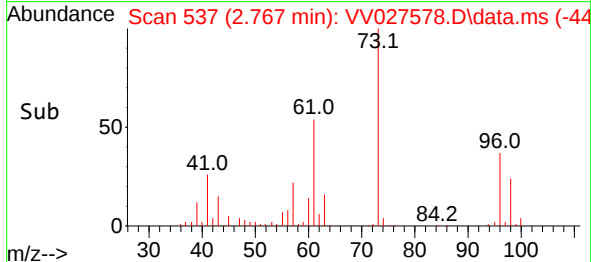
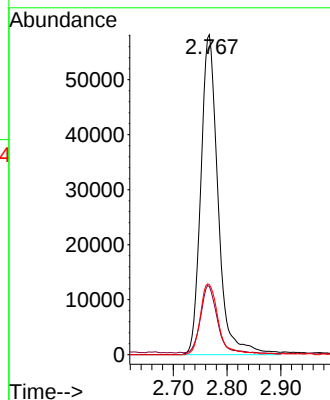
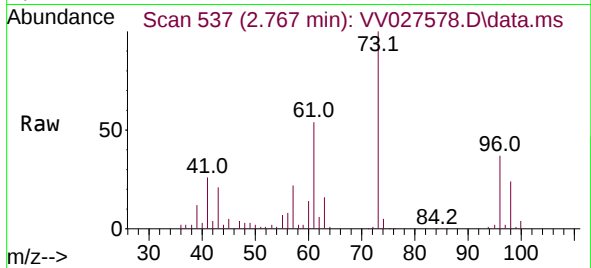




#17  
Methyl tert-butyl Ether  
Concen: 4.970 ug/L  
RT: 2.767 min Scan# 51  
Delta R.T. 0.003 min  
Lab File: VV027578.D  
Acq: 30 Aug 2022 11:46

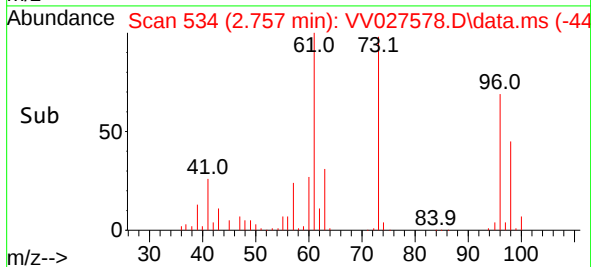
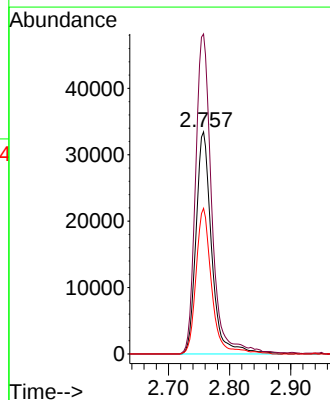
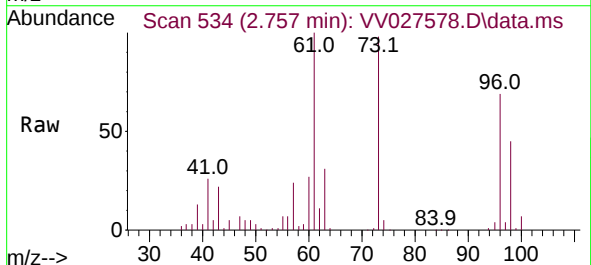
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005391

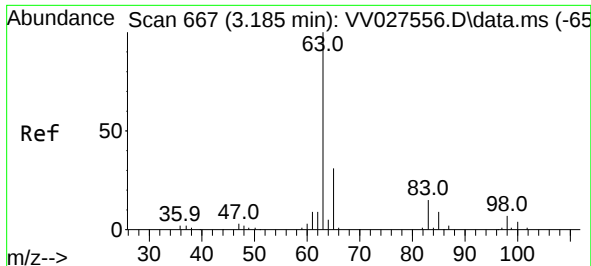
Tgt Ion: 73 Resp: 129857  
Ion Ratio Lower Upper  
73 100  
43 19.8 15.6 23.4  
57 22.7 17.0 25.6



#18  
trans-1,2-Dichloroethene  
Concen: 4.583 ug/L  
RT: 2.757 min Scan# 534  
Delta R.T. 0.003 min  
Lab File: VV027578.D  
Acq: 30 Aug 2022 11:46

Tgt Ion: 96 Resp: 59631  
Ion Ratio Lower Upper  
96 100  
61 144.1 97.6 181.4  
98 65.5 45.9 85.3





#19

1,1-Dichloroethane

Concen: 5.068 ug/L

RT: 3.185 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV027578.D

Acq: 30 Aug 2022 11:46

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005391

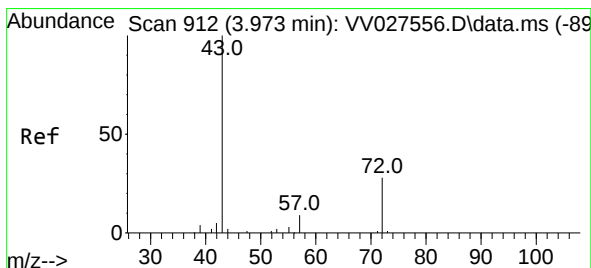
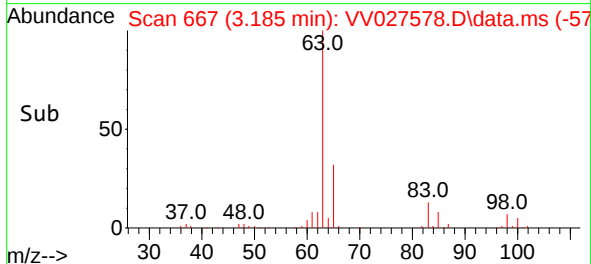
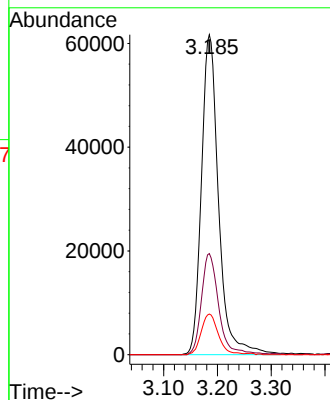
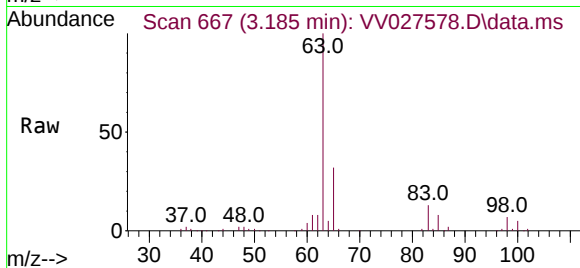
Tgt Ion: 63 Resp: 136490

Ion Ratio Lower Upper

63 100

65 31.6 22.1 41.1

83 12.7 9.6 17.8



#21

2-Butanone

Concen: 49.785 ug/L

RT: 3.976 min Scan# 913

Delta R.T. 0.006 min

Lab File: VV027578.D

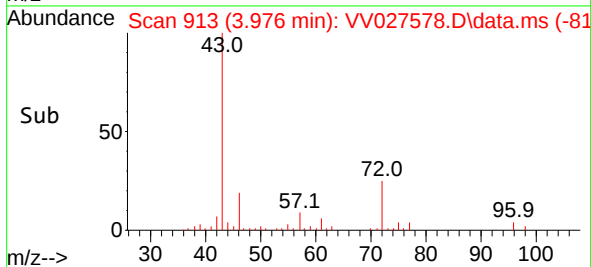
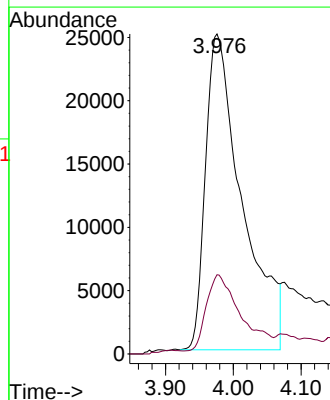
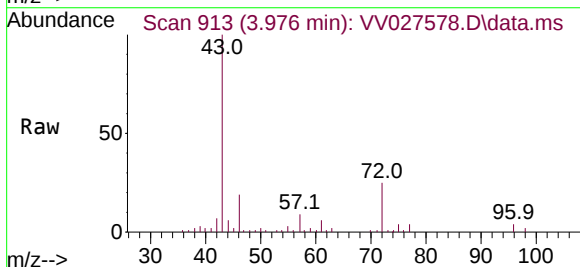
Acq: 30 Aug 2022 11:46

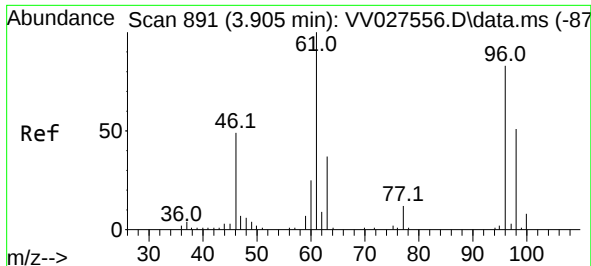
Tgt Ion: 43 Resp: 93536

Ion Ratio Lower Upper

43 100

72 22.7 12.0 36.1

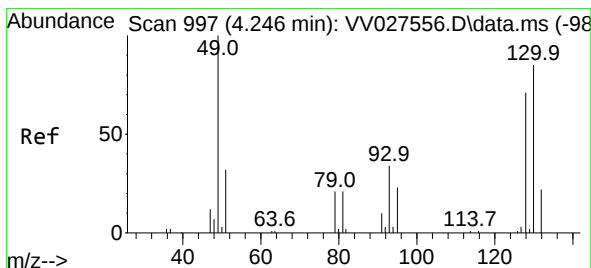
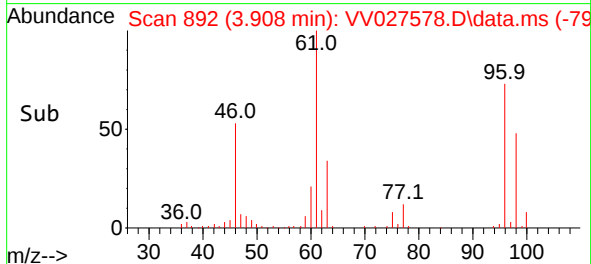
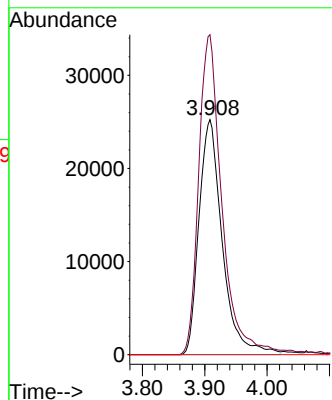
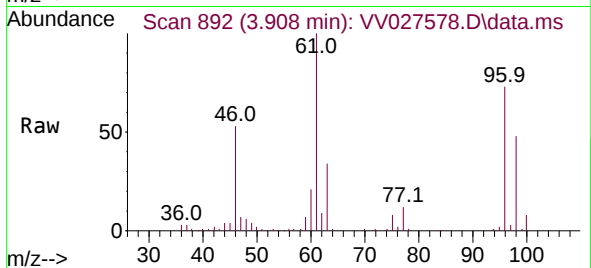




#22  
 cis-1,2-Dichloroethene  
 Concen: 4.721 ug/L  
 RT: 3.908 min Scan# 891  
 Delta R.T. 0.003 min  
 Lab File: VV027578.D  
 Acq: 30 Aug 2022 11:46

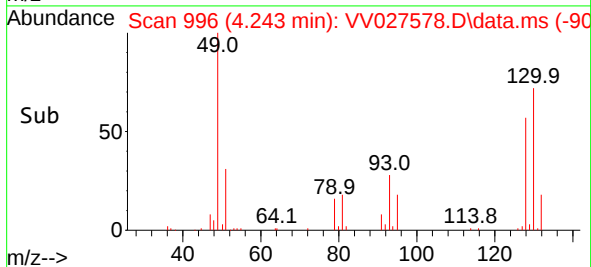
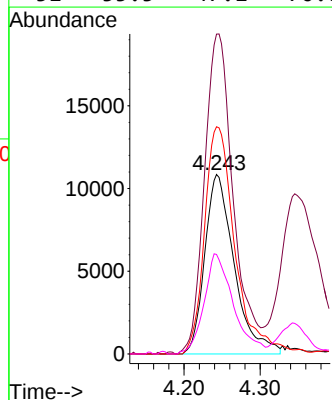
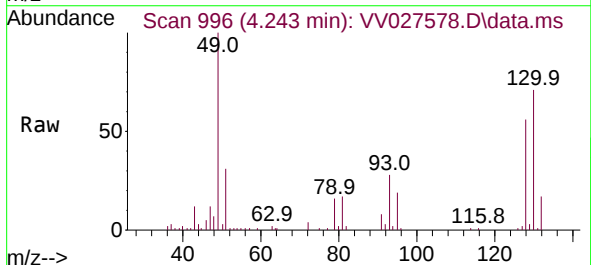
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005391

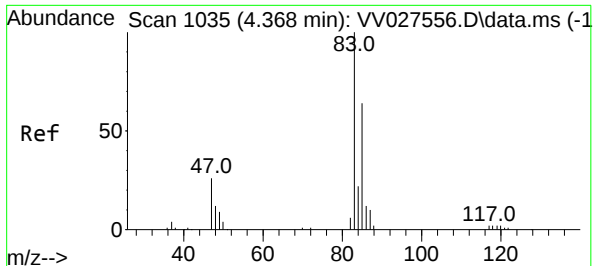
Tgt Ion: 96 Resp: 65458  
 Ion Ratio Lower Upper  
 96 100  
 61 136.1 90.6 168.2  
 68 0.0 0.0 0.0



#23  
 Bromochloromethane  
 Concen: 4.780 ug/L  
 RT: 4.243 min Scan# 996  
 Delta R.T. -0.000 min  
 Lab File: VV027578.D  
 Acq: 30 Aug 2022 11:46

Tgt Ion: 128 Resp: 29223  
 Ion Ratio Lower Upper  
 128 100  
 49 178.2 127.5 236.7  
 130 126.6 97.0 180.2  
 51 55.5 47.1 70.7





#25

Chloroform

Concen: 4.896 ug/L

RT: 4.371 min Scan# 1035

Delta R.T. 0.006 min

Lab File: VV027578.D

Acq: 30 Aug 2022 11:46

Instrument :

MSVOA\_V

ClientSampleId :

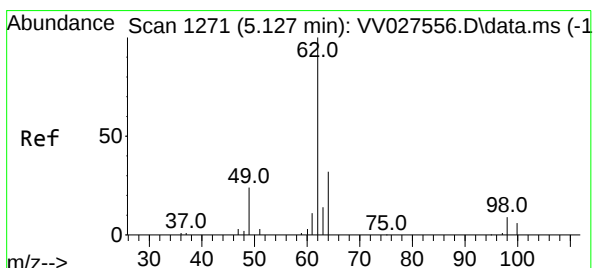
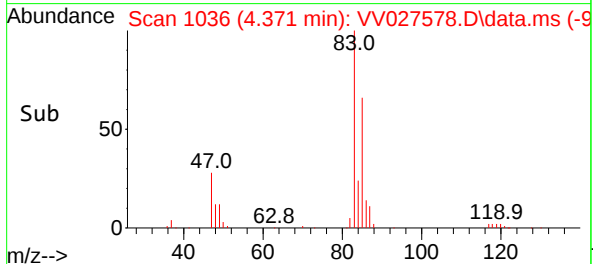
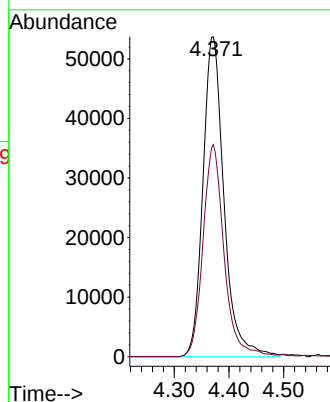
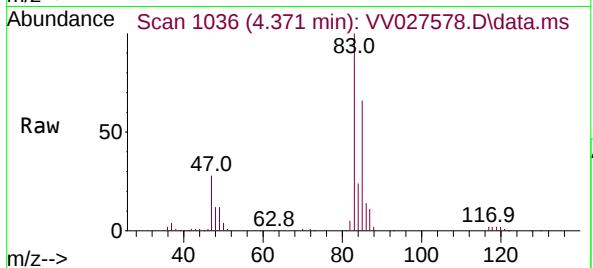
VSTD005391

Tgt Ion: 83 Resp: 143381

Ion Ratio Lower Upper

83 100

85 66.2 43.3 80.5



#27

1,2-Dichloroethane

Concen: 4.947 ug/L

RT: 5.127 min Scan# 1271

Delta R.T. 0.003 min

Lab File: VV027578.D

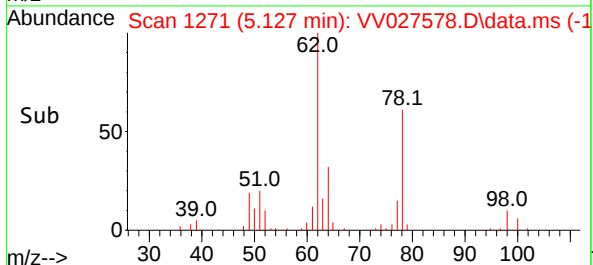
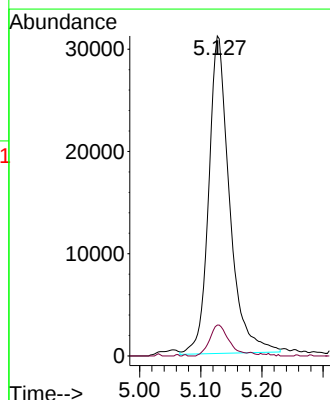
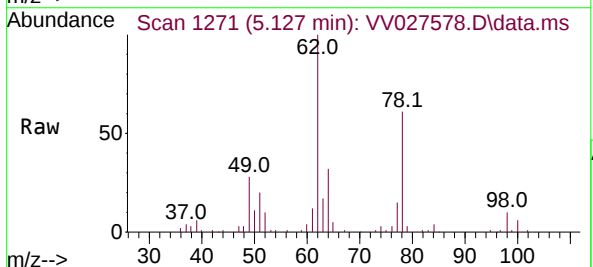
Acq: 30 Aug 2022 11:46

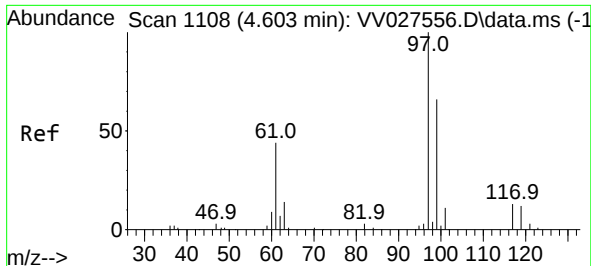
Tgt Ion: 62 Resp: 73621

Ion Ratio Lower Upper

62 100

98 9.7 7.4 11.2





#29

1,1,1-Trichloroethane

Concen: 4.706 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. 0.003 min

Lab File: VV027578.D

Acq: 30 Aug 2022 11:46

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005391

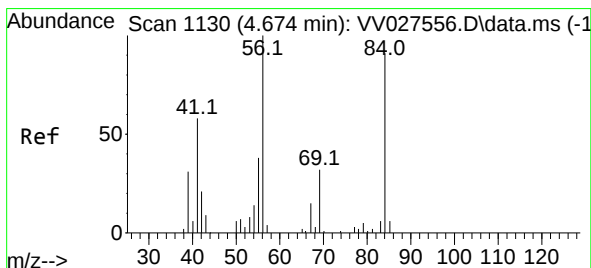
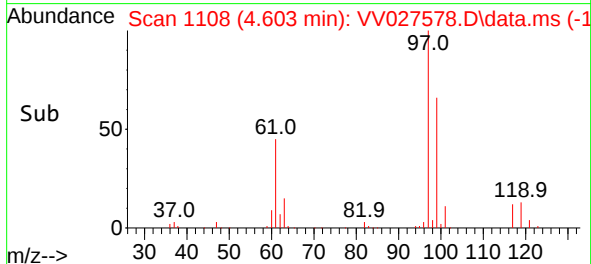
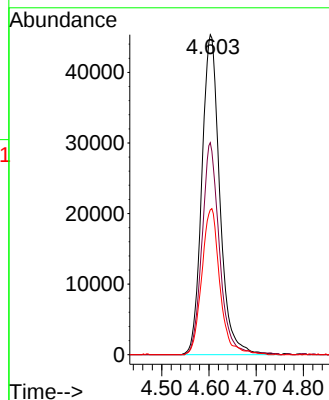
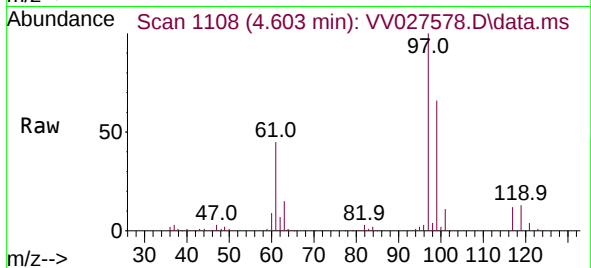
Tgt Ion: 97 Resp: 119637

Ion Ratio Lower Upper

97 100

99 63.8 51.1 76.7

61 45.4 35.9 53.9



#30

Cyclohexane

Concen: 4.308 ug/L

RT: 4.674 min Scan# 1130

Delta R.T. 0.003 min

Lab File: VV027578.D

Acq: 30 Aug 2022 11:46

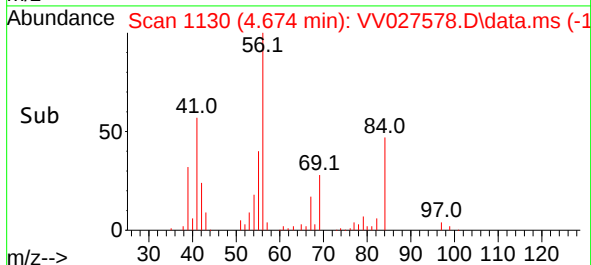
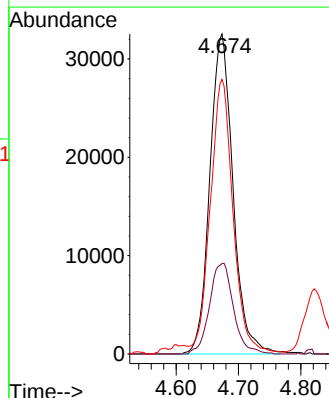
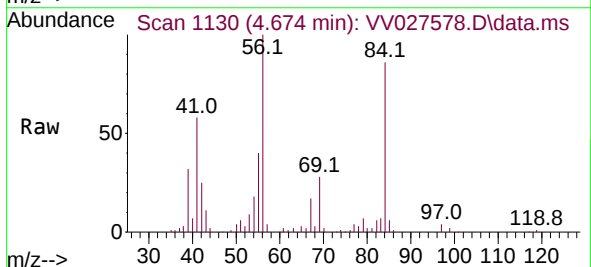
Tgt Ion: 56 Resp: 84079

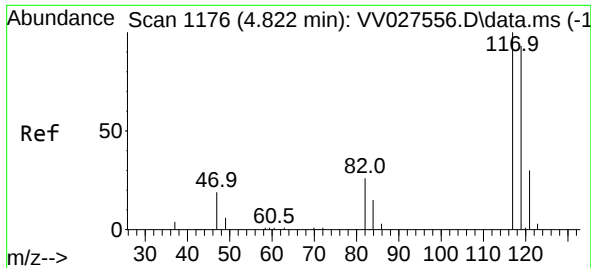
Ion Ratio Lower Upper

56 100

69 29.3 25.4 38.0

84 82.9 69.7 104.5

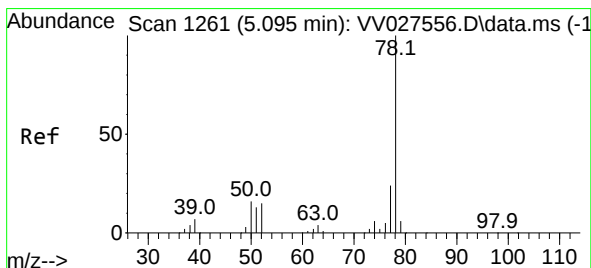
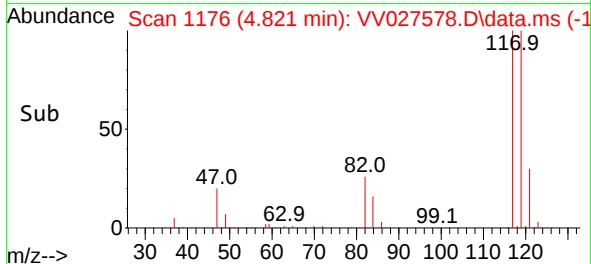
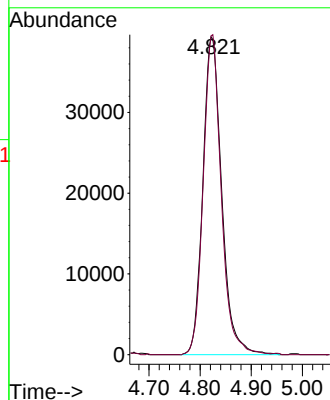
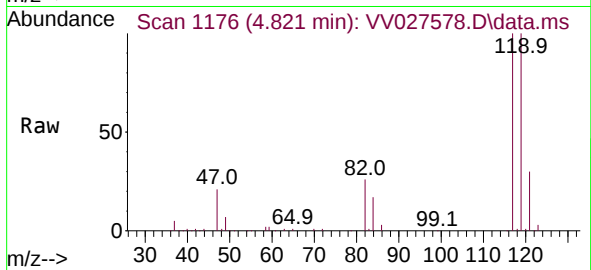




#31  
Carbon tetrachloride  
Concen: 4.569 ug/L  
RT: 4.821 min Scan# 1176  
Delta R.T. -0.000 min  
Lab File: VV027578.D  
Acq: 30 Aug 2022 11:46

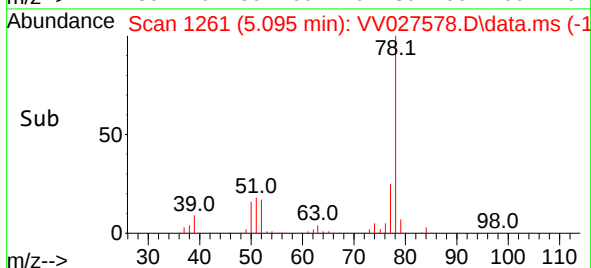
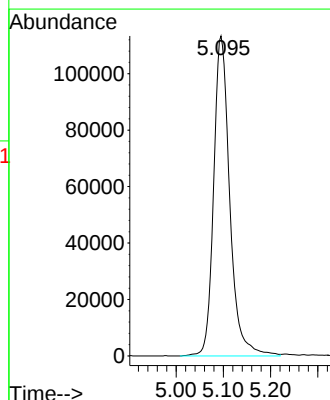
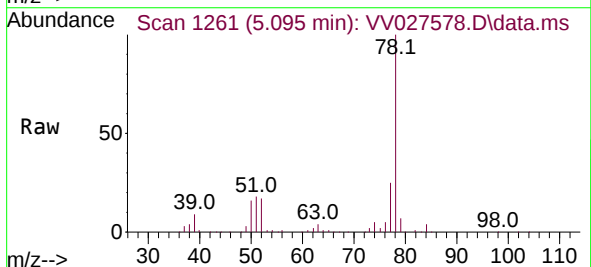
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005391

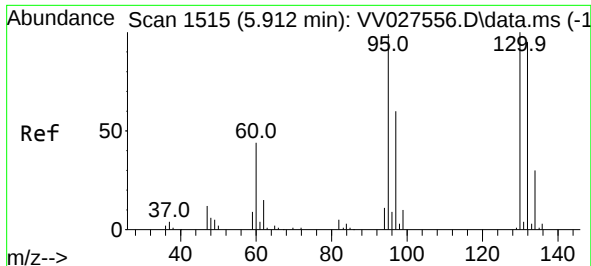
Tgt Ion:117 Resp: 101020  
Ion Ratio Lower Upper  
117 100  
119 96.2 76.1 114.1



#33  
Benzene  
Concen: 4.879 ug/L  
RT: 5.095 min Scan# 1261  
Delta R.T. 0.003 min  
Lab File: VV027578.D  
Acq: 30 Aug 2022 11:46

Tgt Ion: 78 Resp: 268680

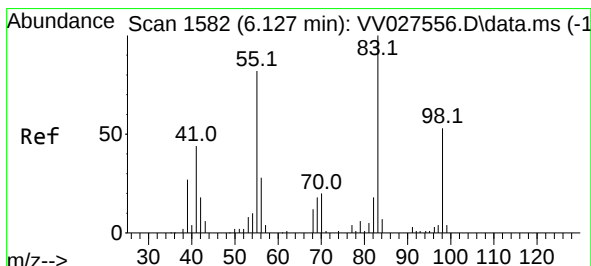
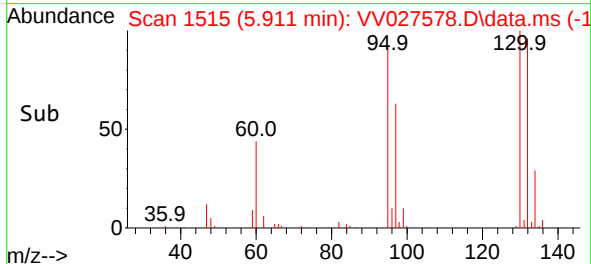
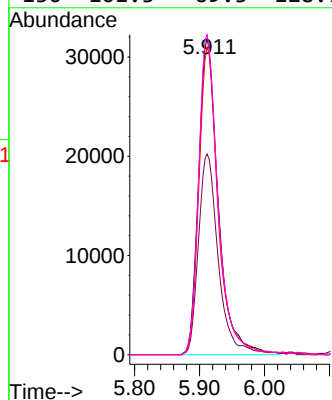
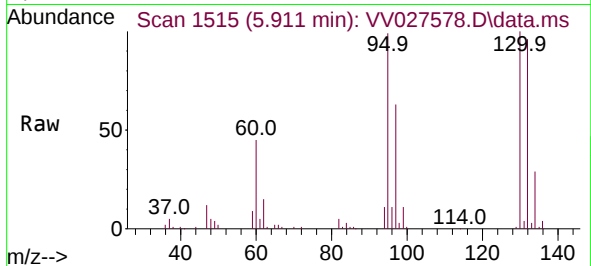




#34  
Trichloroethene  
Concen: 4.666 ug/L  
RT: 5.911 min Scan# 1515  
Delta R.T. 0.003 min  
Lab File: VV027578.D  
Acq: 30 Aug 2022 11:46

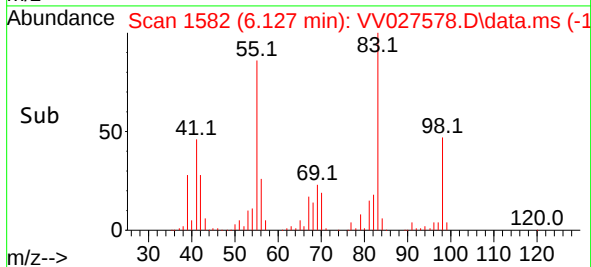
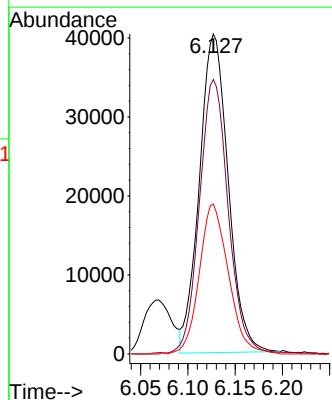
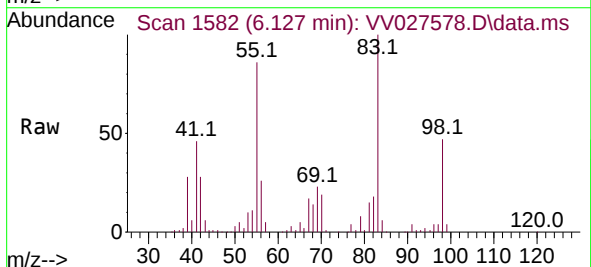
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005391

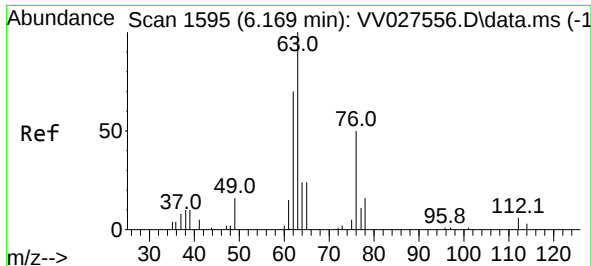
Tgt Ion: 95 Resp: 67623  
Ion Ratio Lower Upper  
95 100  
97 63.5 45.0 83.6  
132 97.4 65.7 121.9  
130 101.3 69.3 128.7



#35  
Methylcyclohexane  
Concen: 4.195 ug/L  
RT: 6.127 min Scan# 1582  
Delta R.T. -0.000 min  
Lab File: VV027578.D  
Acq: 30 Aug 2022 11:46

Tgt Ion: 83 Resp: 85511  
Ion Ratio Lower Upper  
83 100  
55 86.5 68.2 102.4  
98 47.6 39.0 58.4





#37

1,2-Dichloropropane

Concen: 4.778 ug/L

RT: 6.169 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV027578.D

Acq: 30 Aug 2022 11:46

Instrument :

MSVOA\_V

ClientSampleId :

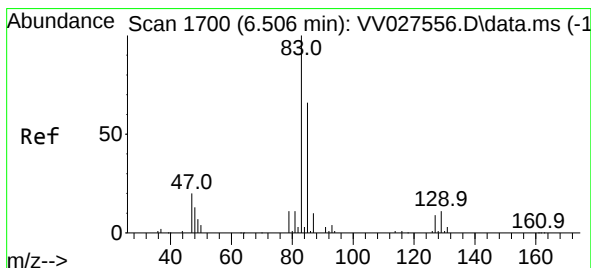
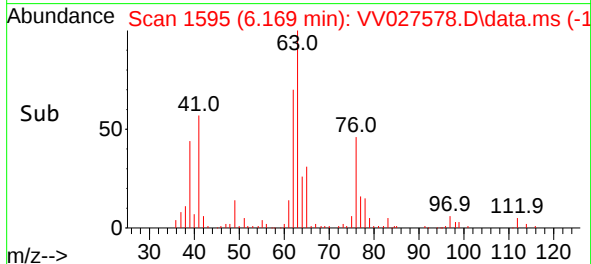
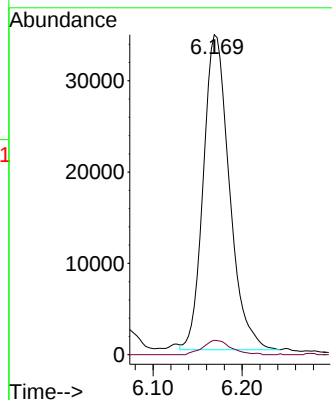
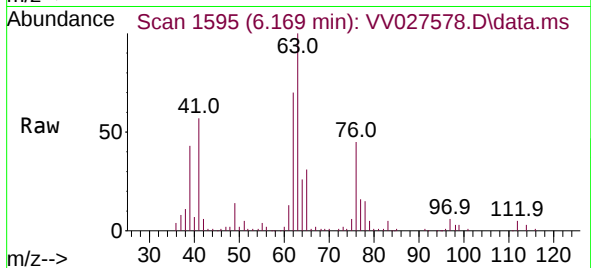
VSTD005391

Tgt Ion: 63 Resp: 70148

Ion Ratio Lower Upper

63 100

112 4.9 3.9 5.9



#38

Bromodichloromethane

Concen: 5.007 ug/L

RT: 6.506 min Scan# 1700

Delta R.T. 0.003 min

Lab File: VV027578.D

Acq: 30 Aug 2022 11:46

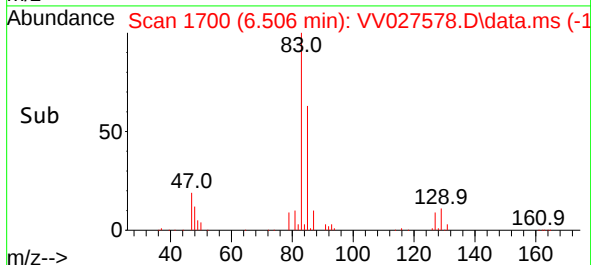
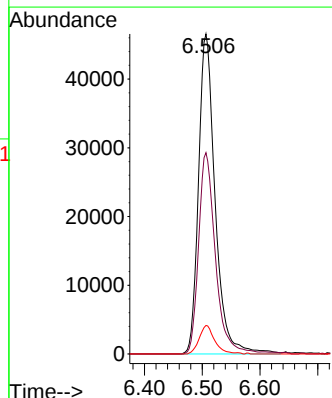
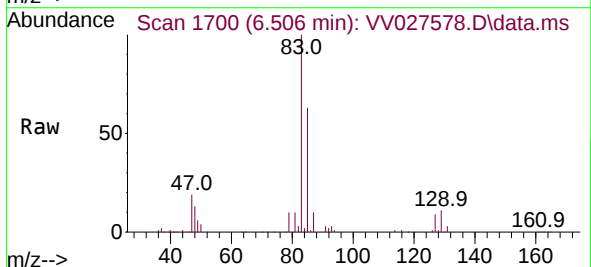
Tgt Ion: 83 Resp: 93212

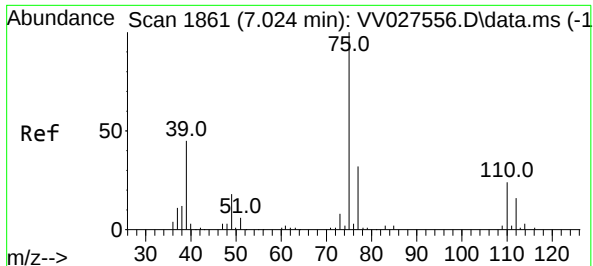
Ion Ratio Lower Upper

83 100

85 62.9 45.3 84.1

127 8.9 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 4.745 ug/L

RT: 7.024 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VV027578.D

Acq: 30 Aug 2022 11:46

Instrument :

MSVOA\_V

ClientSampleId :

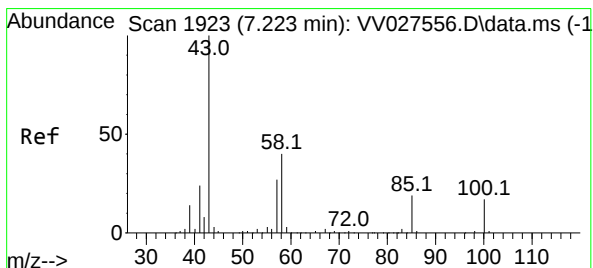
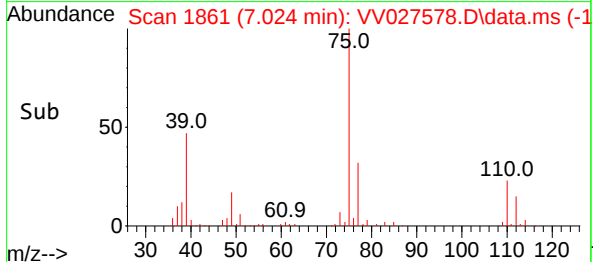
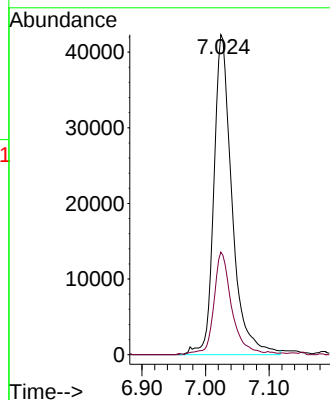
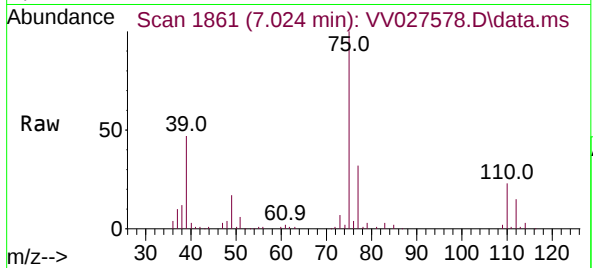
VSTD005391

Tgt Ion: 75 Resp: 84005

Ion Ratio Lower Upper

75 100

77 32.0 22.9 42.5



#40

4-Methyl-2-pentanone

Concen: 53.571 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. -0.000 min

Lab File: VV027578.D

Acq: 30 Aug 2022 11:46

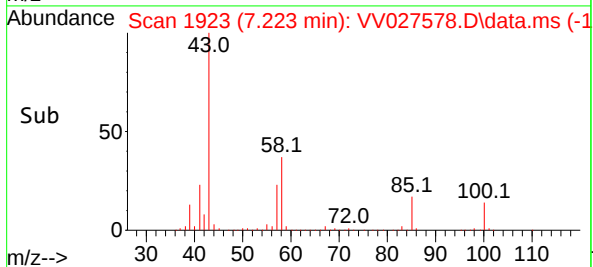
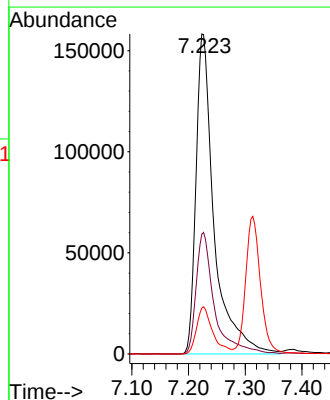
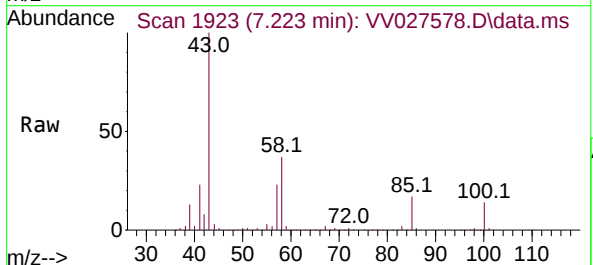
Tgt Ion: 43 Resp: 351432

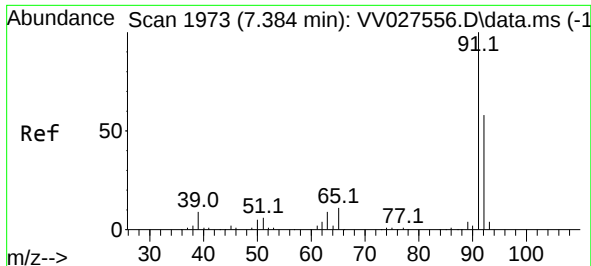
Ion Ratio Lower Upper

43 100

58 38.2 30.6 45.8

100 13.2 11.0 16.4





#42

Toluene

Concen: 5.036 ug/L

RT: 7.384 min Scan# 1973

Delta R.T. -0.000 min

Lab File: VV027578.D

Acq: 30 Aug 2022 11:46

Instrument :

MSVOA\_V

ClientSampleId :

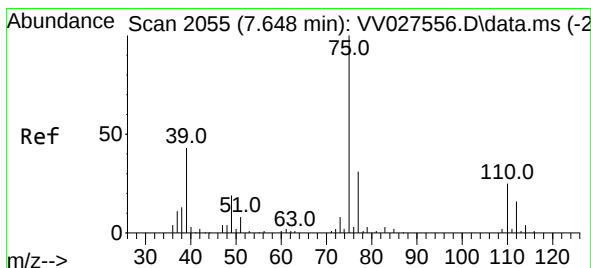
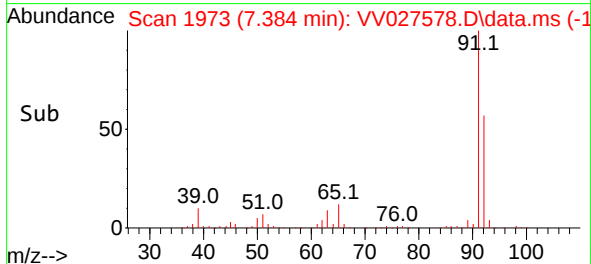
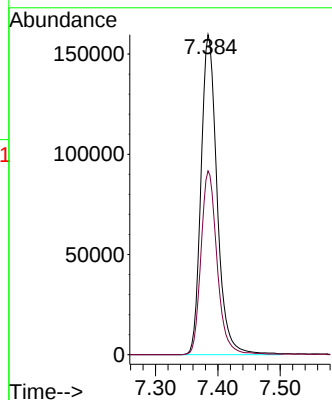
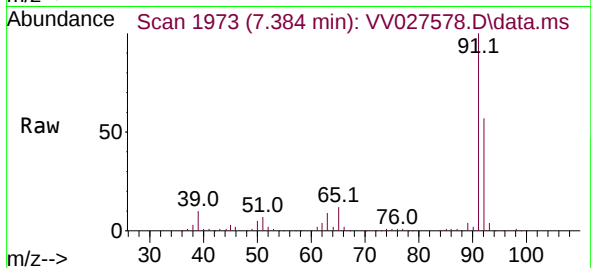
VSTD005391

Tgt Ion: 91 Resp: 286262

Ion Ratio Lower Upper

91 100

92 57.5 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 4.878 ug/L

RT: 7.651 min Scan# 2056

Delta R.T. 0.003 min

Lab File: VV027578.D

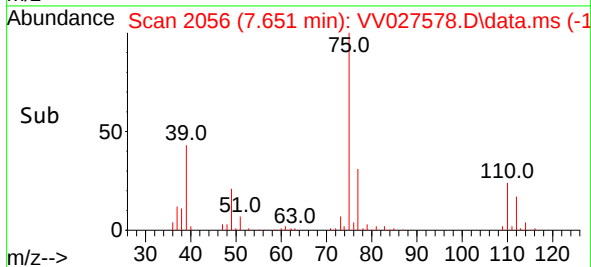
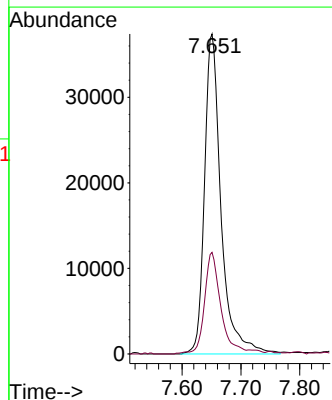
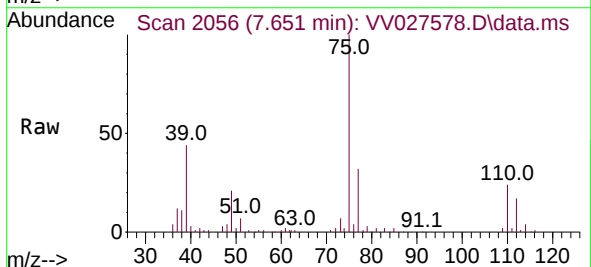
Acq: 30 Aug 2022 11:46

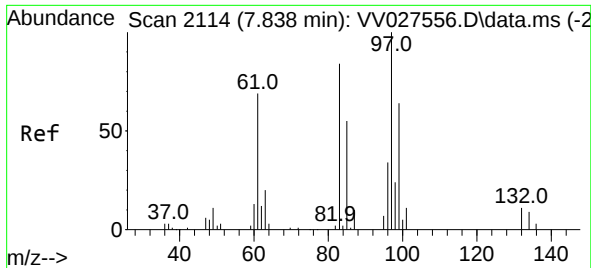
Tgt Ion: 75 Resp: 73009

Ion Ratio Lower Upper

75 100

77 31.7 22.3 41.5



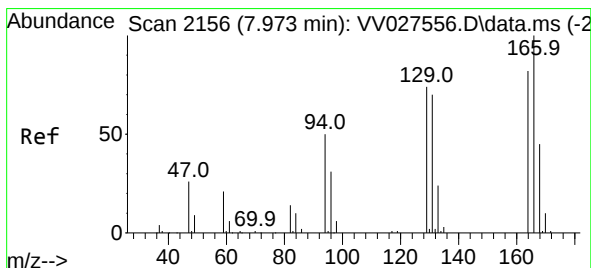
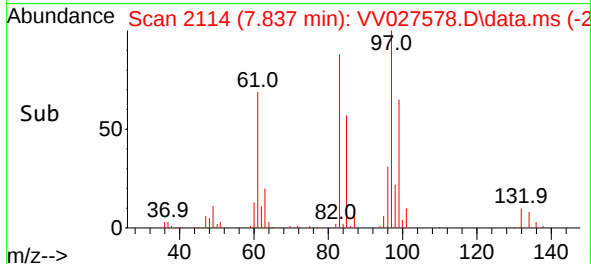
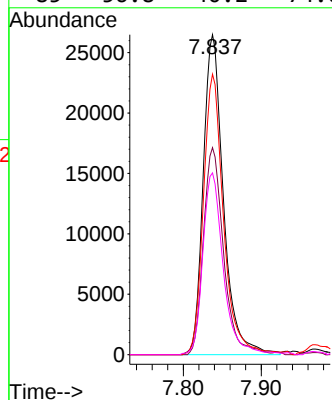
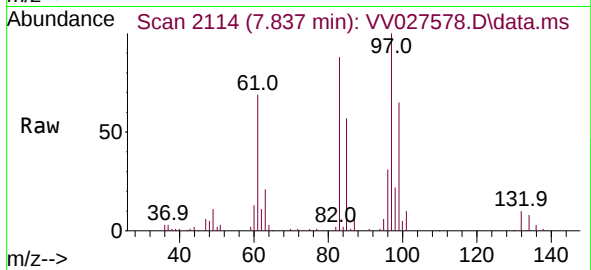


#45  
1,1,2-Trichloroethane  
Concen: 5.084 ug/L  
RT: 7.837 min Scan# 2114  
Delta R.T. 0.003 min  
Lab File: VV027578.D  
Acq: 30 Aug 2022 11:46

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005391

Tgt Ion: 97 Resp: 47719

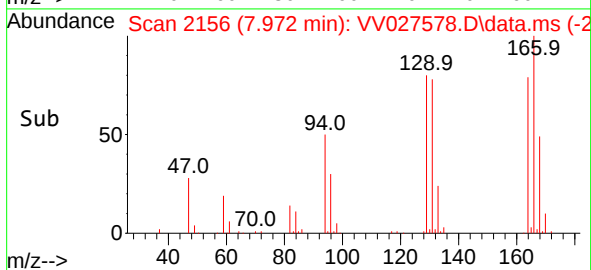
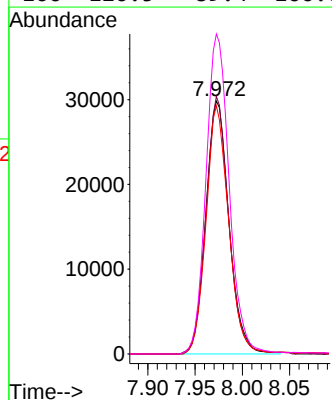
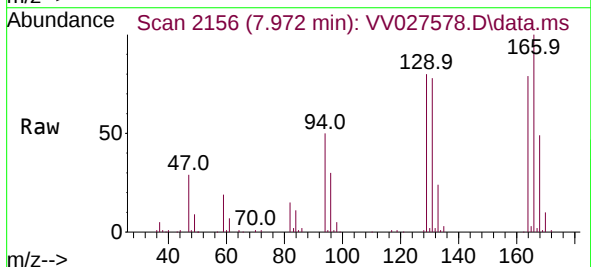
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 64.7  | 46.1  | 85.7  |
| 83  | 87.6  | 63.0  | 117.0 |
| 85  | 56.8  | 40.2  | 74.6  |

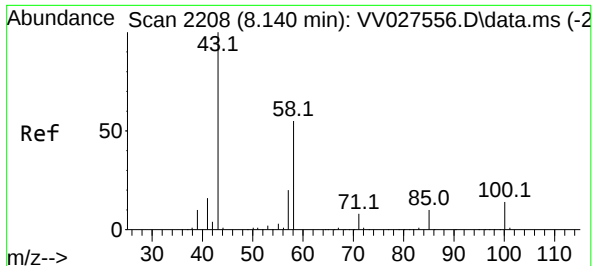


#47  
Tetrachloroethene  
Concen: 4.515 ug/L  
RT: 7.972 min Scan# 2156  
Delta R.T. -0.000 min  
Lab File: VV027578.D  
Acq: 30 Aug 2022 11:46

Tgt Ion: 164 Resp: 50975

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 101.8 | 71.1  | 132.1 |
| 131 | 98.1  | 64.5  | 119.9 |
| 166 | 126.5 | 89.4  | 166.0 |

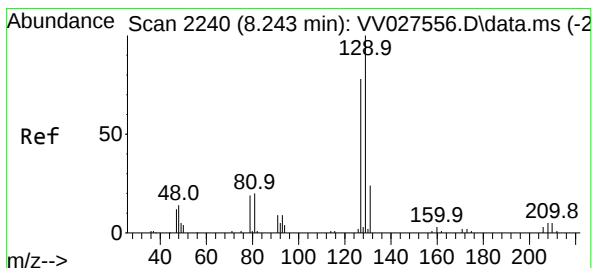
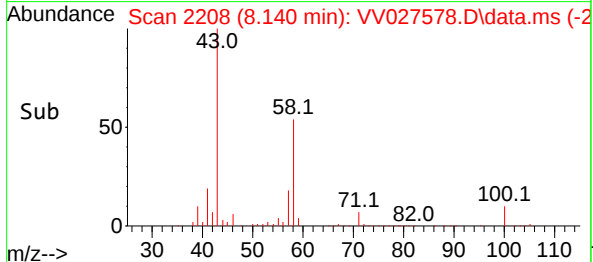
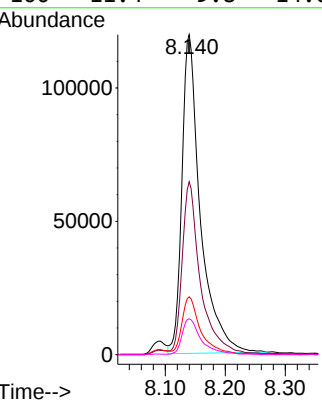
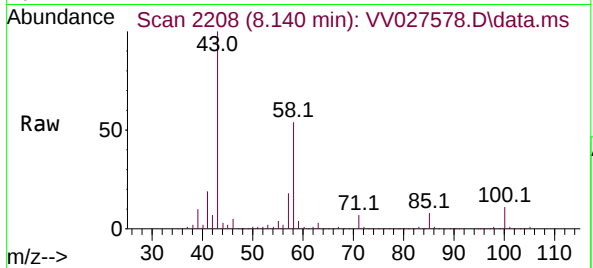




#48  
2-Hexanone  
Concen: 54.237 ug/L  
RT: 8.140 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VV027578.D  
Acq: 30 Aug 2022 11:46

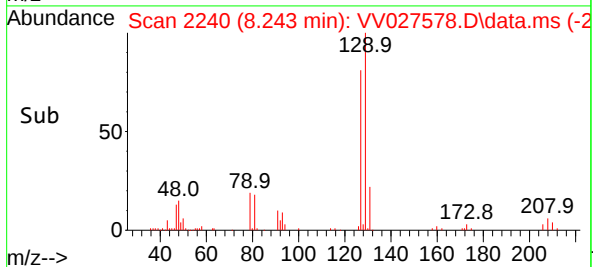
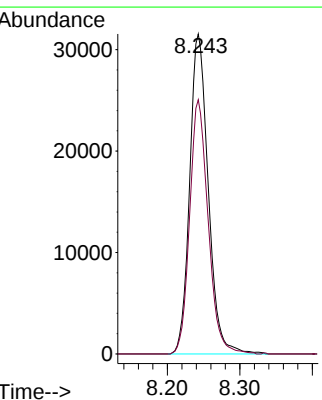
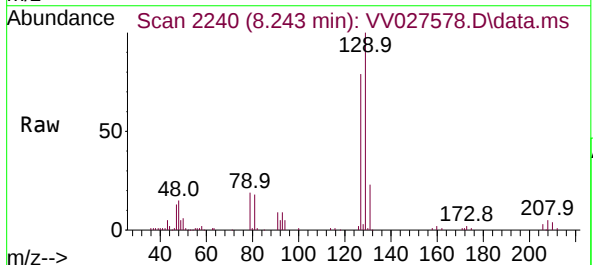
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005391

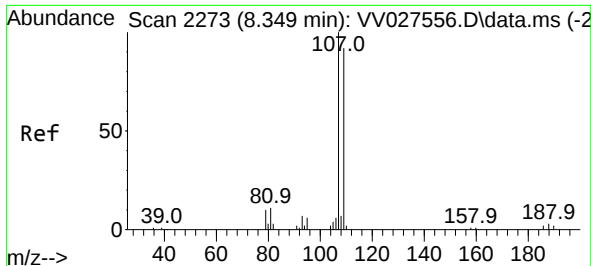
Tgt Ion: 43 Resp: 256376  
Ion Ratio Lower Upper  
43 100  
58 52.9 41.3 61.9  
57 17.8 14.9 22.3  
100 11.4 9.8 14.6



#49  
Dibromochloromethane  
Concen: 4.860 ug/L  
RT: 8.243 min Scan# 2240  
Delta R.T. -0.000 min  
Lab File: VV027578.D  
Acq: 30 Aug 2022 11:46

Tgt Ion: 129 Resp: 56106  
Ion Ratio Lower Upper  
129 100  
127 79.4 55.9 103.7





#50

1,2-Dibromoethane

Concen: 5.066 ug/L

RT: 8.349 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV027578.D

Acq: 30 Aug 2022 11:46

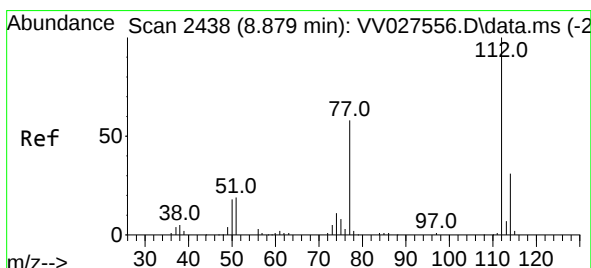
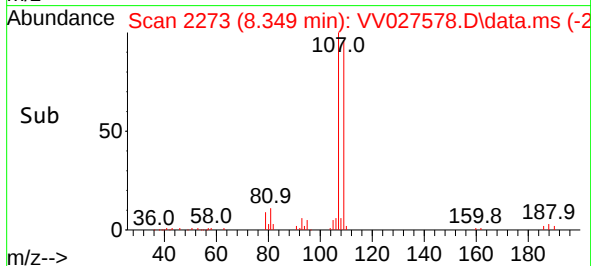
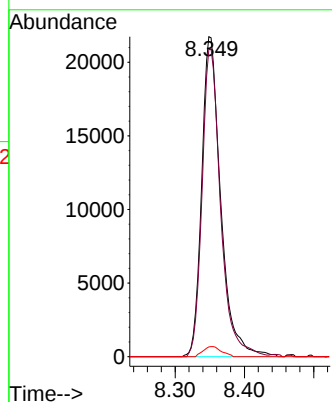
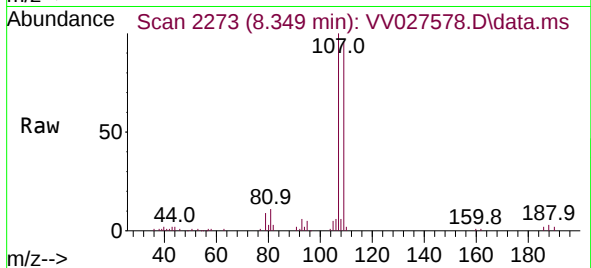
Instrument :

MSVOA\_V

ClientSampleId :

VSTD005391

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 41508 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 109      | 96.0  | 67.8  | 125.8 |
| 188      | 3.0   | 3.5   | 5.3#  |



#51

Chlorobenzene

Concen: 4.854 ug/L

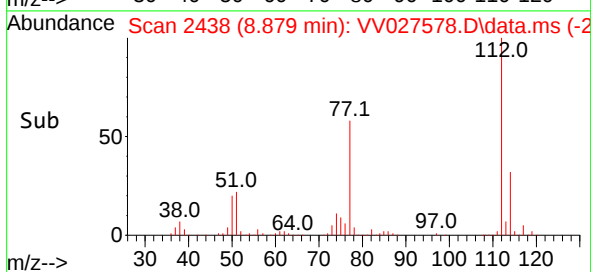
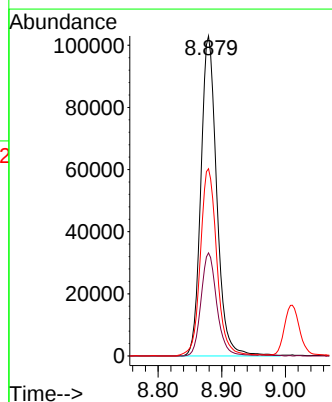
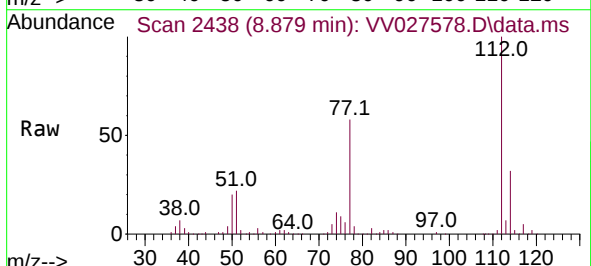
RT: 8.879 min Scan# 2438

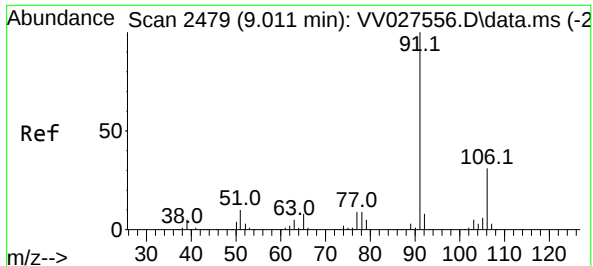
Delta R.T. -0.000 min

Lab File: VV027578.D

Acq: 30 Aug 2022 11:46

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 178594 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 114      | 32.2  | 22.7  | 42.1   |
| 77       | 58.5  | 46.2  | 69.4   |





#52

Ethylbenzene

Concen: 4.789 ug/L

RT: 9.011 min Scan# 2479

Delta R.T. 0.003 min

Lab File: VV027578.D

Acq: 30 Aug 2022 11:46

Instrument :

MSVOA\_V

ClientSampleId :

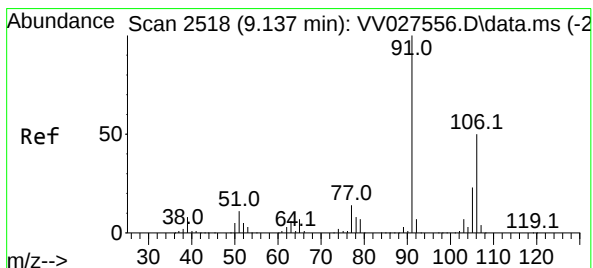
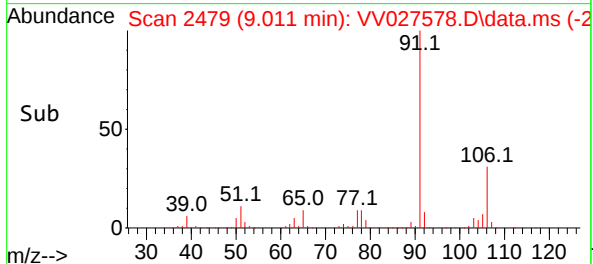
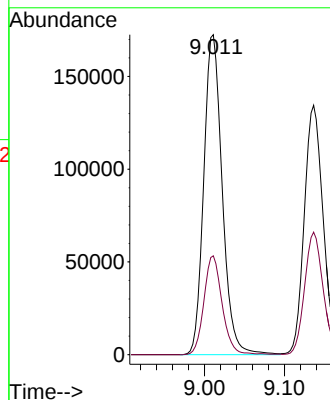
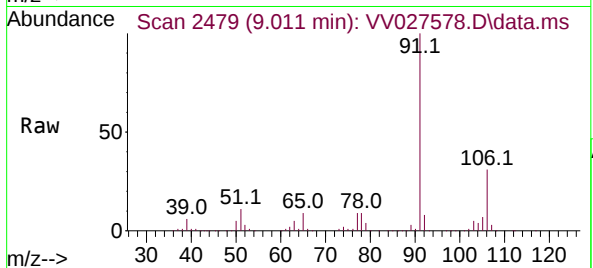
VSTD005391

Tgt Ion: 91 Resp: 277883

Ion Ratio Lower Upper

91 100

106 30.9 21.4 39.8



#53

m,p-Xylene

Concen: 4.828 ug/L

RT: 9.136 min Scan# 2518

Delta R.T. -0.000 min

Lab File: VV027578.D

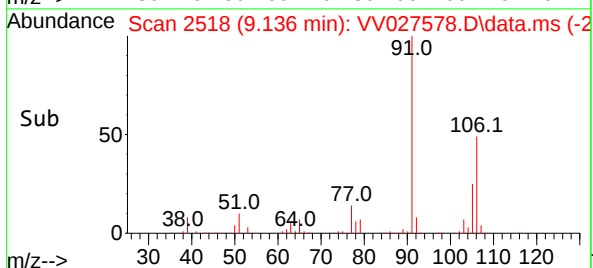
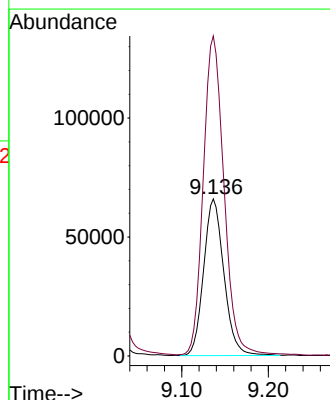
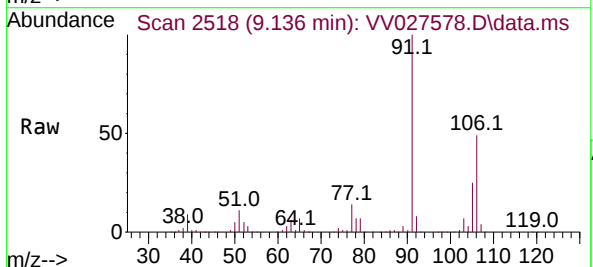
Acq: 30 Aug 2022 11:46

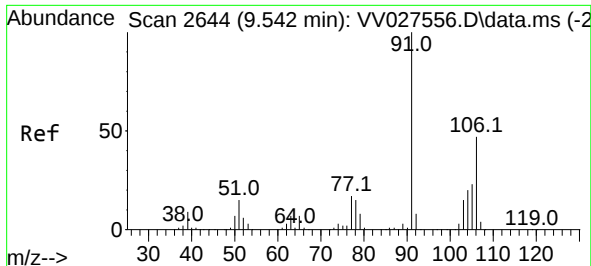
Tgt Ion: 106 Resp: 107212

Ion Ratio Lower Upper

106 100

91 203.7 143.8 267.0

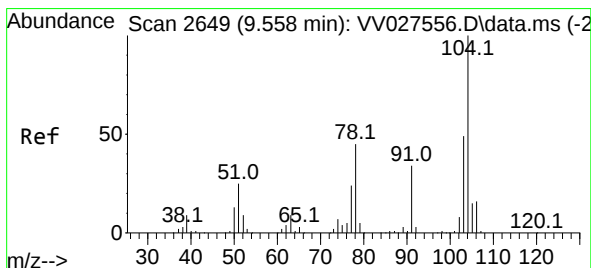
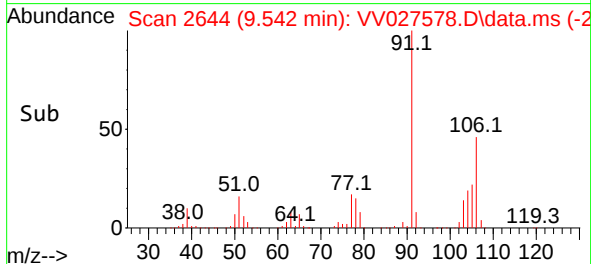
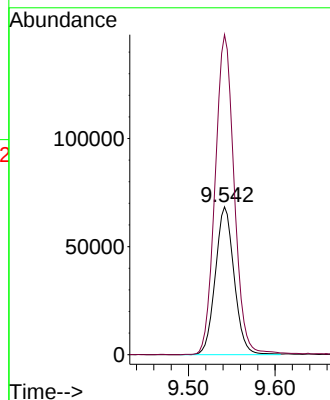
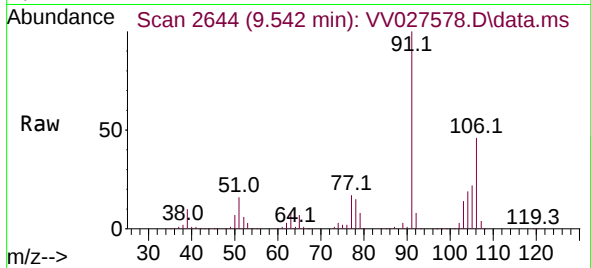




#54  
o-Xylene  
Concen: 4.801 ug/L  
RT: 9.542 min Scan# 2644  
Delta R.T. -0.000 min  
Lab File: VV027578.D  
Acq: 30 Aug 2022 11:46

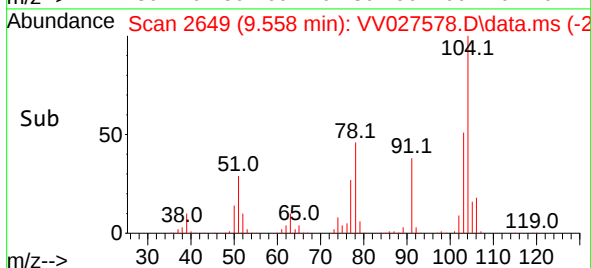
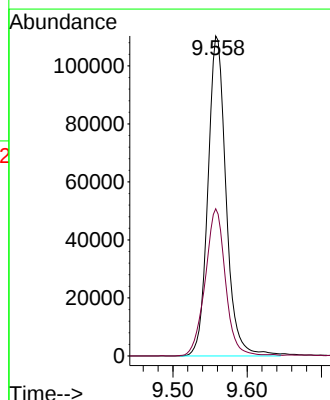
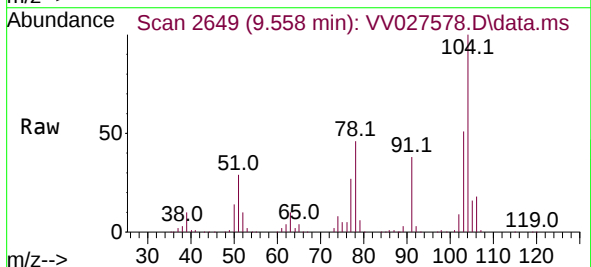
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005391

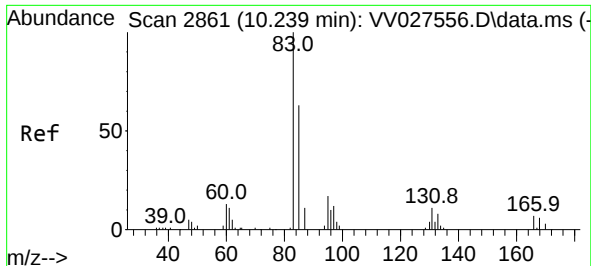
Tgt Ion:106 Resp: 103392  
Ion Ratio Lower Upper  
106 100  
91 216.4 151.6 281.6



#55  
Styrene  
Concen: 5.105 ug/L  
RT: 9.558 min Scan# 2649  
Delta R.T. -0.000 min  
Lab File: VV027578.D  
Acq: 30 Aug 2022 11:46

Tgt Ion:104 Resp: 187056  
Ion Ratio Lower Upper  
104 100  
78 46.0 32.0 59.4

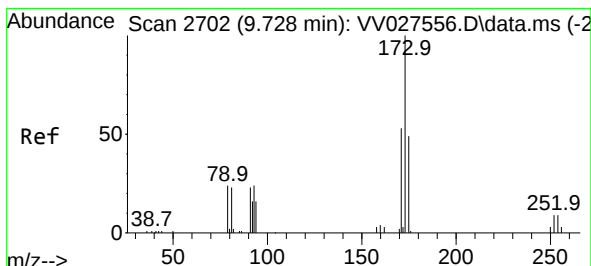
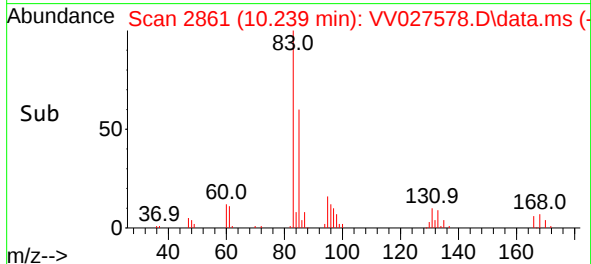
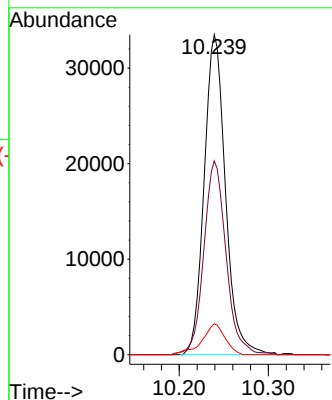
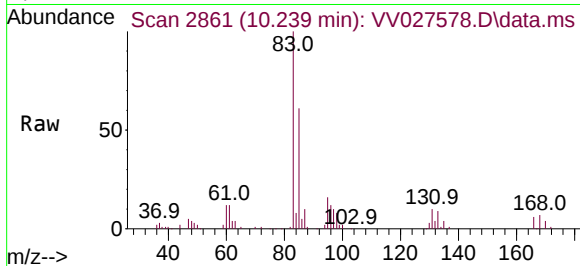




#57  
 1,1,2,2-Tetrachloroethane  
 Concen: 5.261 ug/L  
 RT: 10.239 min Scan# 2861  
 Delta R.T. -0.000 min  
 Lab File: VV027578.D  
 Acq: 30 Aug 2022 11:46

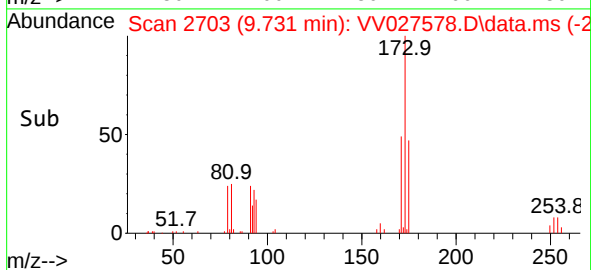
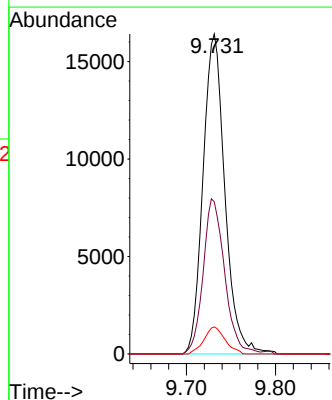
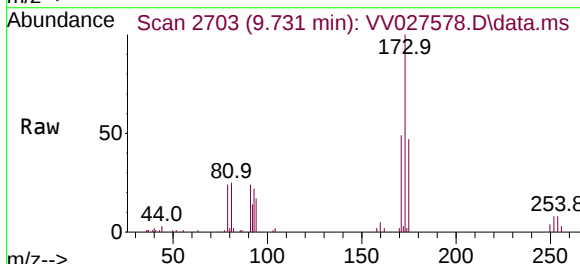
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005391

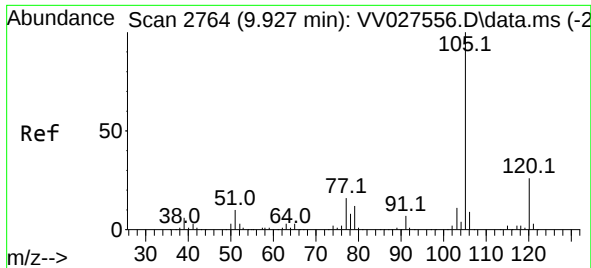
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 55629 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 60.5  | 44.1  | 81.9  |
| 131      | 9.7   | 7.3   | 10.9  |



#59  
 Bromoform  
 Concen: 4.832 ug/L  
 RT: 9.731 min Scan# 2703  
 Delta R.T. 0.003 min  
 Lab File: VV027578.D  
 Acq: 30 Aug 2022 11:46

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 27981 |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 47.6  | 39.0  | 58.6  |
| 254      | 8.2   | 7.1   | 10.7  |

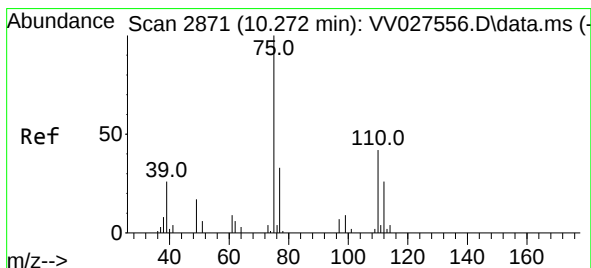
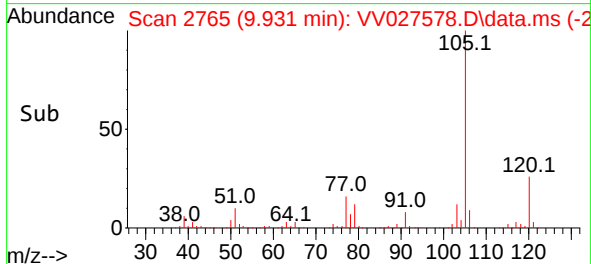
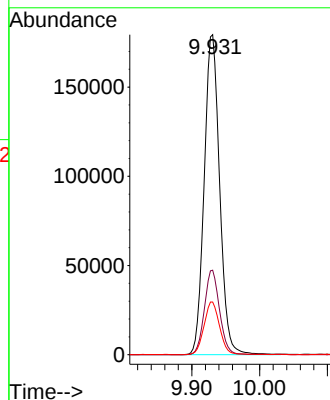
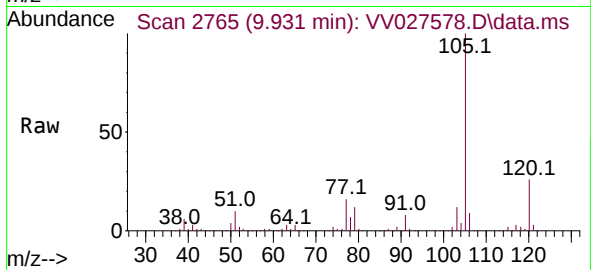




#60  
Isopropylbenzene  
Concen: 4.999 ug/L  
RT: 9.931 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VV027578.D  
Acq: 30 Aug 2022 11:46

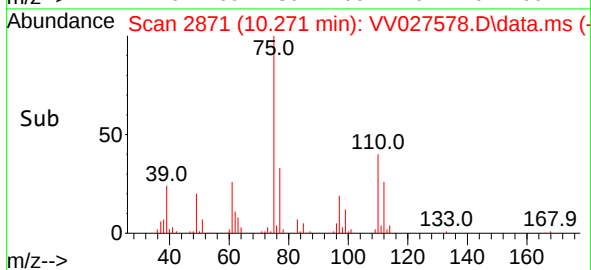
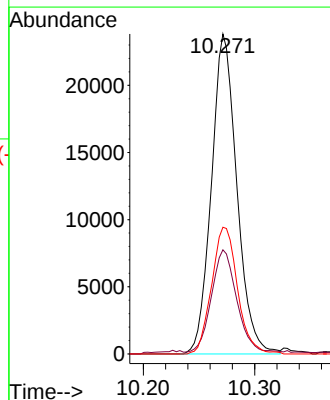
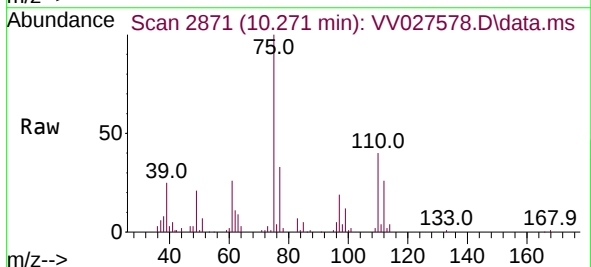
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005391

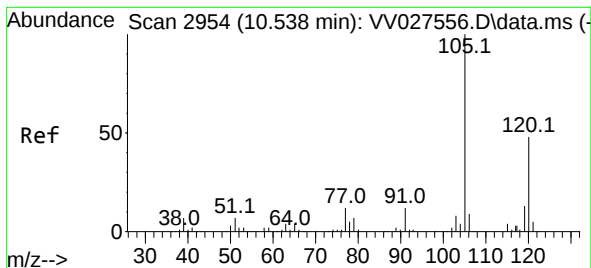
Tgt Ion:105 Resp: 284199  
Ion Ratio Lower Upper  
105 100  
120 25.8 20.9 31.3  
77 16.7 13.0 19.6



#61  
1,2,3-Trichloropropane  
Concen: 4.988 ug/L  
RT: 10.271 min Scan# 2871  
Delta R.T. -0.000 min  
Lab File: VV027578.D  
Acq: 30 Aug 2022 11:46

Tgt Ion: 75 Resp: 37811  
Ion Ratio Lower Upper  
75 100  
77 31.5 26.2 39.2  
110 40.3 29.9 44.9





#62

1,3,5-Trimethylbenzene

Concen: 4.594 ug/L

RT: 10.538 min Scan# 2954

Delta R.T. 0.003 min

Lab File: VV027578.D

Acq: 30 Aug 2022 11:46

Instrument :

MSVOA\_V

ClientSampleId :

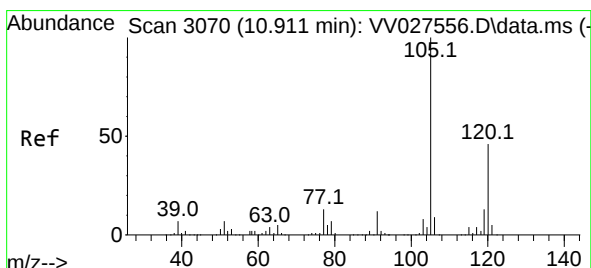
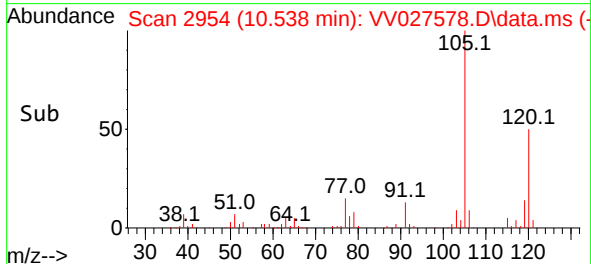
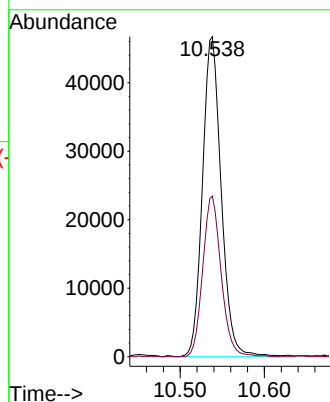
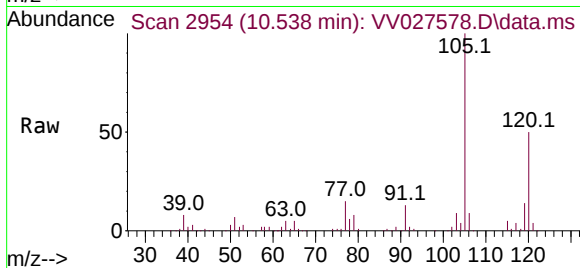
VSTD005391

Tgt Ion:105 Resp: 72423

Ion Ratio Lower Upper

105 100

120 49.3 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 4.716 ug/L

RT: 10.911 min Scan# 3070

Delta R.T. -0.000 min

Lab File: VV027578.D

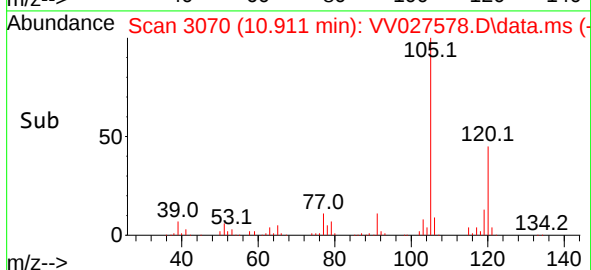
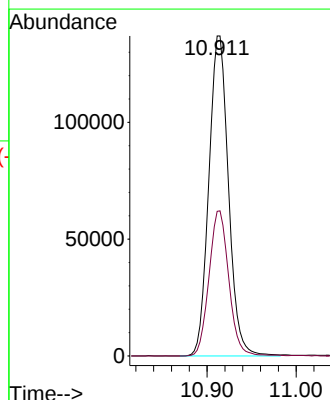
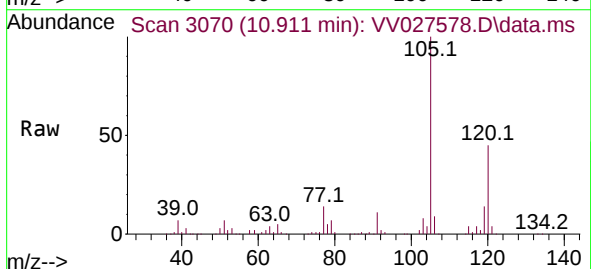
Acq: 30 Aug 2022 11:46

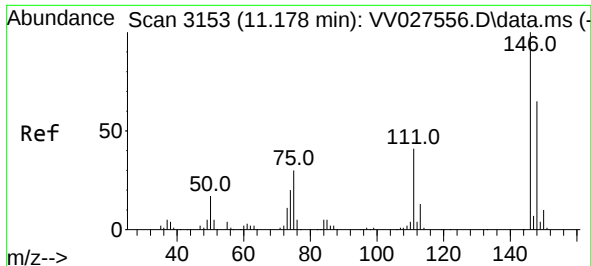
Tgt Ion:105 Resp: 209452

Ion Ratio Lower Upper

105 100

120 45.8 35.8 53.6

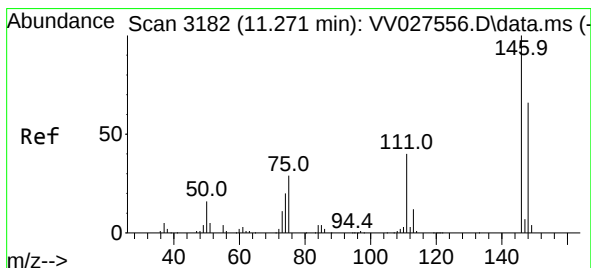
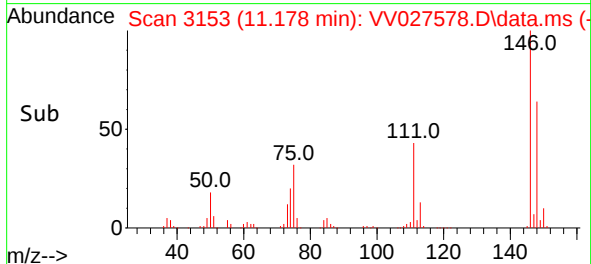
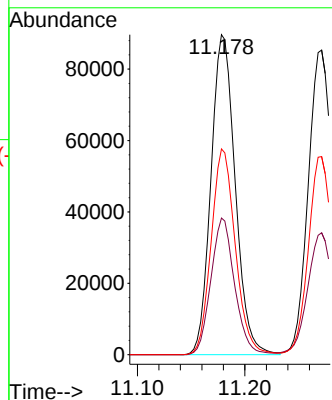
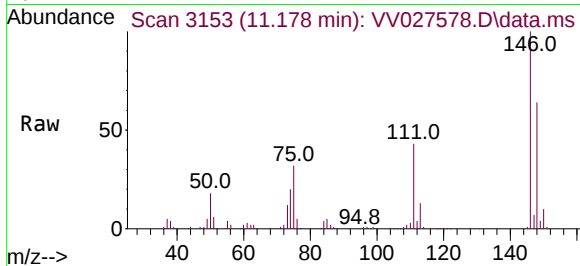




#64  
1,3-Dichlorobenzene  
Concen: 5.013 ug/L  
RT: 11.178 min Scan# 3153  
Delta R.T. -0.000 min  
Lab File: VV027578.D  
Acq: 30 Aug 2022 11:46

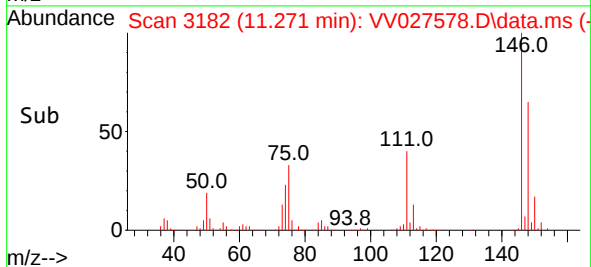
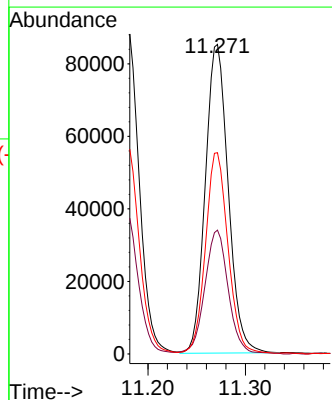
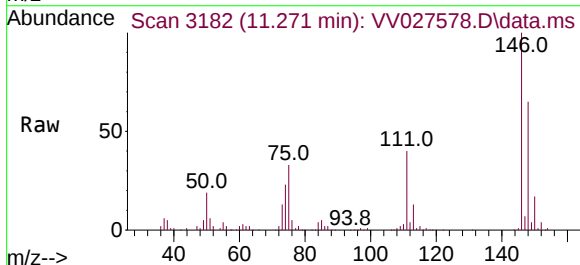
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005391

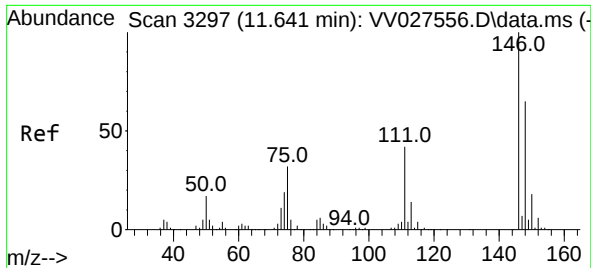
Tgt Ion:146 Resp: 140435  
Ion Ratio Lower Upper  
146 100  
111 42.7 28.8 53.4  
148 64.3 44.0 81.6



#65  
1,4-Dichlorobenzene  
Concen: 4.979 ug/L  
RT: 11.271 min Scan# 3182  
Delta R.T. 0.003 min  
Lab File: VV027578.D  
Acq: 30 Aug 2022 11:46

Tgt Ion:146 Resp: 139042  
Ion Ratio Lower Upper  
146 100  
111 40.0 26.6 49.4  
148 65.0 42.6 79.0

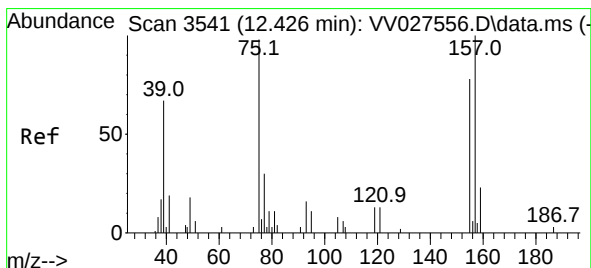
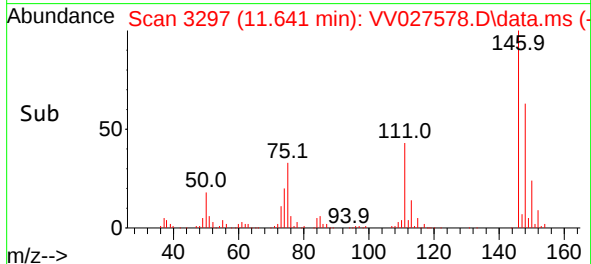
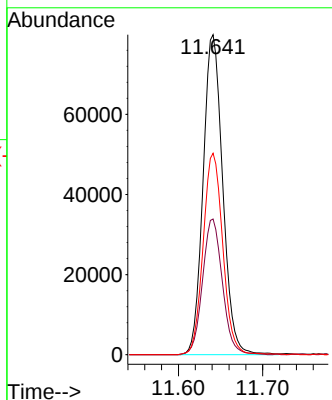
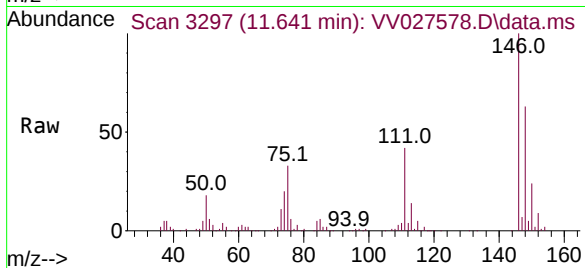




#67  
 1,2-Dichlorobenzene  
 Concen: 5.102 ug/L  
 RT: 11.641 min Scan# 31  
 Delta R.T. -0.000 min  
 Lab File: VV027578.D  
 Acq: 30 Aug 2022 11:46

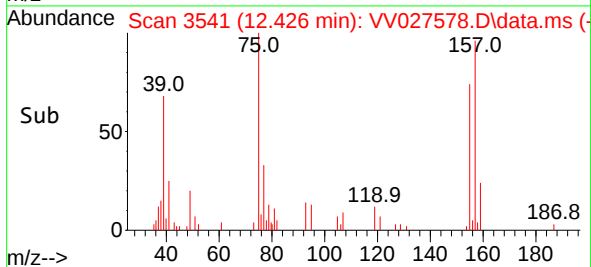
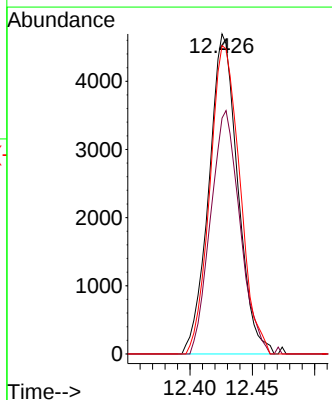
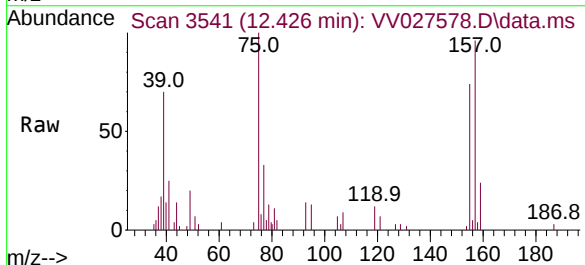
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005391

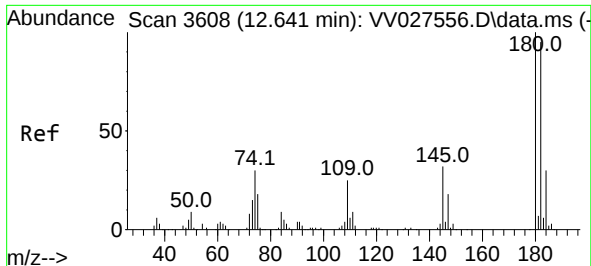
Tgt Ion:146 Resp: 129578  
 Ion Ratio Lower Upper  
 146 100  
 111 42.4 34.5 51.7  
 148 63.0 50.6 76.0



#68  
 1,2-Dibromo-3-chloropropane  
 Concen: 4.503 ug/L  
 RT: 12.426 min Scan# 3541  
 Delta R.T. -0.000 min  
 Lab File: VV027578.D  
 Acq: 30 Aug 2022 11:46

Tgt Ion: 75 Resp: 7584  
 Ion Ratio Lower Upper  
 75 100  
 155 73.7 63.1 94.7  
 157 96.3 81.8 122.8

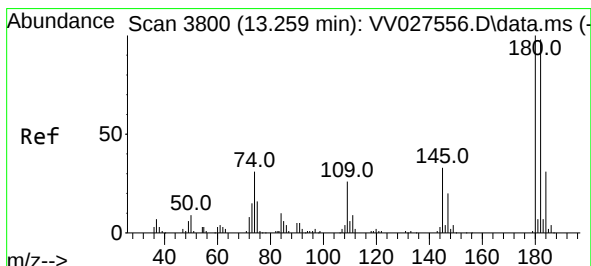
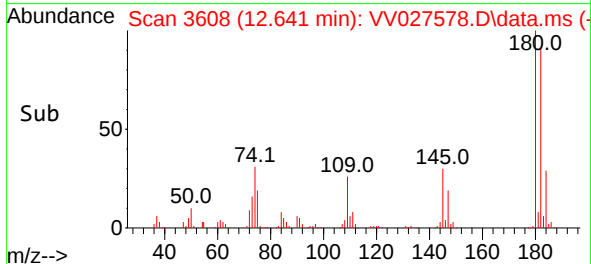
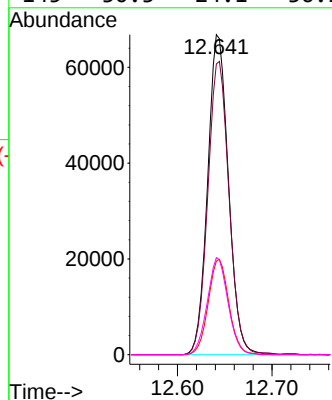
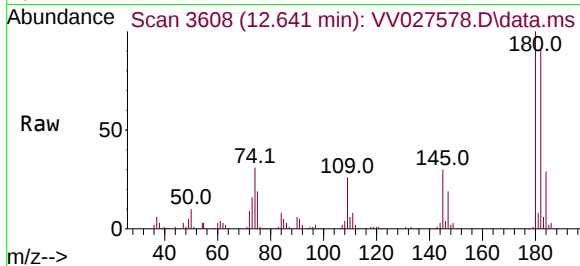




#69  
 1,3,5-Trichlorobenzene  
 Concen: 4.882 ug/L  
 RT: 12.641 min Scan# 3608  
 Delta R.T. -0.000 min  
 Lab File: VV027578.D  
 Acq: 30 Aug 2022 11:46

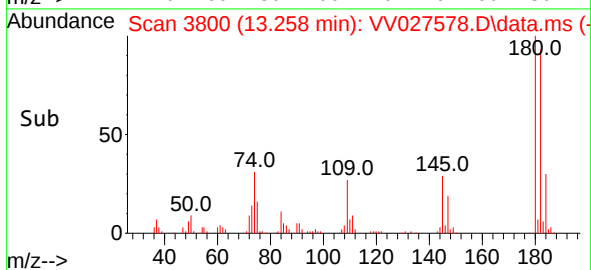
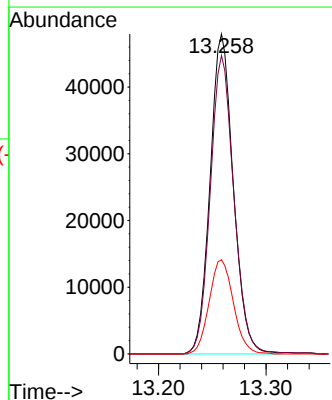
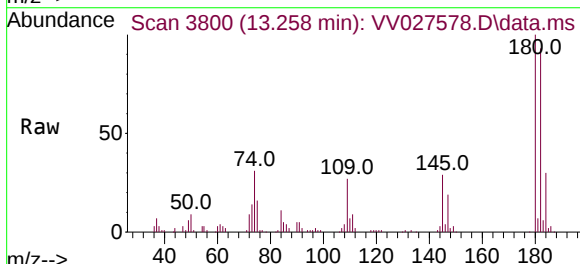
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005391

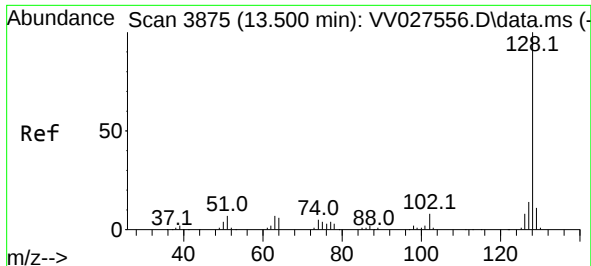
Tgt Ion:180 Resp: 102076  
 Ion Ratio Lower Upper  
 180 100  
 182 93.6 74.1 111.1  
 184 29.5 23.2 34.8  
 145 30.3 24.1 36.1



#70  
 1,2,4-trichlorobenzene  
 Concen: 4.724 ug/L  
 RT: 13.258 min Scan# 3800  
 Delta R.T. -0.000 min  
 Lab File: VV027578.D  
 Acq: 30 Aug 2022 11:46

Tgt Ion:180 Resp: 71785  
 Ion Ratio Lower Upper  
 180 100  
 182 95.1 76.0 114.0  
 145 30.7 24.9 37.3

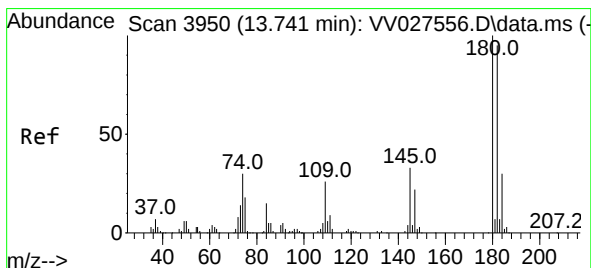
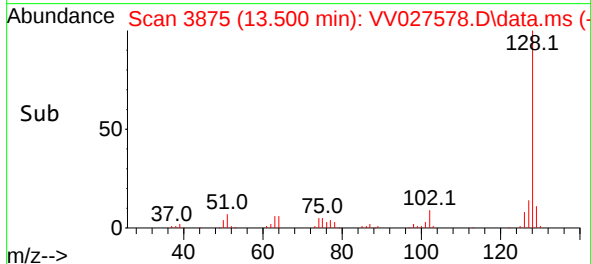
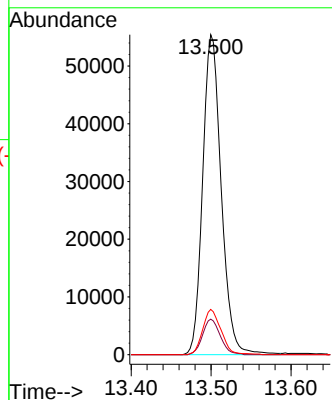
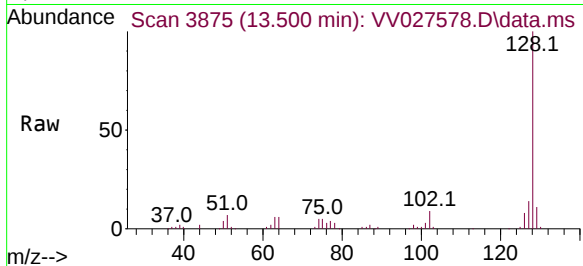




#71  
Naphthalene  
Concen: 4.276 ug/L  
RT: 13.500 min Scan# 3875  
Delta R.T. -0.000 min  
Lab File: VV027578.D  
Acq: 30 Aug 2022 11:46

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005391

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:128 | Resp: | 89684     |
| Ion Ratio   | Lower | Upper     |
| 128         | 100   |           |
| 129         | 10.6  | 8.7 13.1  |
| 127         | 14.0  | 10.4 15.6 |



#72  
1,2,3-Trichlorobenzene  
Concen: 4.781 ug/L  
RT: 13.741 min Scan# 3950  
Delta R.T. -0.000 min  
Lab File: VV027578.D  
Acq: 30 Aug 2022 11:46

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 64517      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 94.2  | 75.3 112.9 |
| 145         | 33.7  | 26.6 39.8  |

