

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW050422\  
 Data File : VW022788.D  
 Acq On : 04 May 2022 09:05  
 Operator : SY/VA  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025513

Quant Time: May 04 23:24:00 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM050222SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed May 04 01:21:13 2022  
 Response via : Initial Calibration

| Compound                      |        | R.T.   | QIon     | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|--------|--------|----------|----------|------------|--------|----------|
| -----                         |        |        |          |          |            |        |          |
| Internal Standards            |        |        |          |          |            |        |          |
| 1) 1,4-Difluorobenzene        |        | 8.841  | 114      | 324995   | 25.000     | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          |        | 11.634 | 117      | 313454   | 25.000     | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    |        | 13.554 | 152      | 173535   | 25.000     | ug/L   | 0.00     |
| System Monitoring Compounds   |        |        |          |          |            |        |          |
| 4) Vinyl Chloride-d3          |        | 2.349  | 65       | 168436   | 25.261     | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 30 - 150 | Recovery | = 101.040% |        |          |
| 7) Chloroethane-d5            |        | 2.885  | 69       | 114258   | 26.339     | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 30 - 150 | Recovery | = 105.360% |        |          |
| 11) 1,1-Dichloroethene-d2     |        | 4.019  | 63       | 218249   | 25.332     | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 45 - 110 | Recovery | = 101.320% |        |          |
| 21) 2-Butanone-d5             |        | 7.073  | 46       | 66760    | 52.660     | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range  | 20 - 135 | Recovery | = 105.320% |        |          |
| 24) Chloroform-d              |        | 7.646  | 84       | 265282   | 27.861     | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 40 - 150 | Recovery | = 111.440% |        |          |
| 26) 1,2-Dichloroethane-d4     |        | 8.305  | 65       | 144056   | 27.585     | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 70 - 130 | Recovery | = 110.360% |        |          |
| 32) Benzene-d6                |        | 8.274  | 84       | 508781   | 28.160     | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 20 - 135 | Recovery | = 112.640% |        |          |
| 36) 1,2-Dichloropropane-d6    |        | 9.268  | 67       | 146543   | 28.875     | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 70 - 120 | Recovery | = 115.480% |        |          |
| 41) Toluene-d8                |        | 10.323 | 98       | 497312   | 28.494     | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 30 - 130 | Recovery | = 113.960% |        |          |
| 43) trans-1,3-Dichloroprop... |        | 10.579 | 79       | 64044    | 27.407     | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 30 - 135 | Recovery | = 109.640% |        |          |
| 47) 2-Hexanone-d5             |        | 10.920 | 63       | 55610    | 57.399     | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range  | 20 - 135 | Recovery | = 114.800% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... |        | 12.688 | 84       | 134998   | 28.538     | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 45 - 120 | Recovery | = 114.160% |        |          |
| 66) 1,2-Dichlorobenzene-d4    |        | 13.853 | 152      | 172047   | 28.362     | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 75 - 120 | Recovery | = 113.440% |        |          |
| Target Compounds              |        |        |          |          |            |        |          |
|                               |        |        |          |          |            | Qvalue |          |
| 2) Dichlorodifluoromethane    |        | 2.007  | 85       | 34192    | 19.299     | ug/L   | 95       |
| 3) Chloromethane              |        | 2.214  | 50       | 75492    | 22.051     | ug/L   | 100      |
| 5) Vinyl chloride             |        | 2.361  | 62       | 163391   | 23.781     | ug/L   | 97       |
| 6) Bromomethane               |        | 2.775  | 94       | 97799    | 22.170     | ug/L   | 92       |
| 8) Chloroethane               |        | 2.916  | 64       | 74917    | 22.607     | ug/L   | 100      |
| 9) Trichlorofluoromethane     |        | 3.251  | 101      | 75224    | 23.954     | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... |        | 4.056  | 101      | 109654   | 23.353     | ug/L   | 96       |
| 12) 1,1-Dichloroethene        |        | 4.037  | 96       | 97947    | 23.531     | ug/L   | 94       |
| 13) Acetone                   |        | 4.123  | 43       | 43042    | 45.348     | ug/L   | 100      |
| 14) Carbon disulfide          |        | 4.379  | 76       | 244599   | 21.434     | ug/L   | 99       |
| 15) Methyl Acetate            |        | 4.665  | 43       | 42062    | 22.058     | ug/L # | 71       |
| 16) Methylene chloride        |        | 4.909  | 84       | 107538   | 22.613     | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  |        | 5.415  | 96       | 106226   | 22.678     | ug/L   | 99       |
| 18) Methyl tert-butyl Ether   |        | 5.427  | 73       | 168483   | 23.562     | ug/L   | 99       |
| 19) 1,1-Dichloroethane        |        | 6.214  | 63       | 189763   | 23.903     | ug/L   | 94       |
| 20) cis-1,2-Dichloroethene    |        | 7.165  | 96       | 118209   | 23.495     | ug/L # | 98       |
| 22) 2-Butanone                |        | 7.165  | 43       | 60500    | 45.578     | ug/L   | 99       |
| 23) Bromochloromethane        |        | 7.512  | 128      | 54432    | 23.101     | ug/L   | 93       |
| 25) Chloroform                |        | 7.671  | 83       | 214597   | 24.446     | ug/L   | 99       |

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 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025513

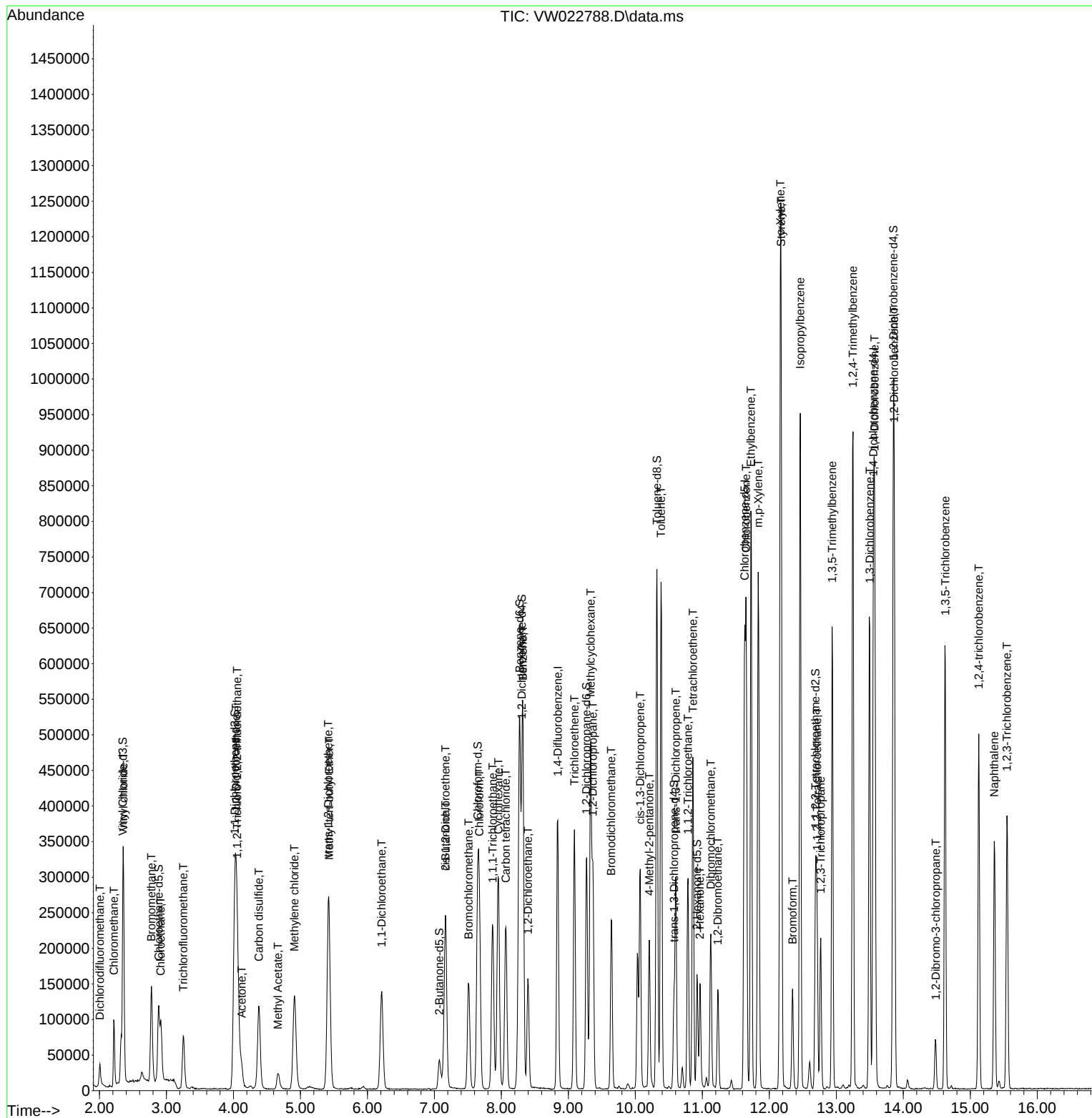
Quant Time: May 04 23:24:00 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM050222SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed May 04 01:21:13 2022  
 Response via : Initial Calibration

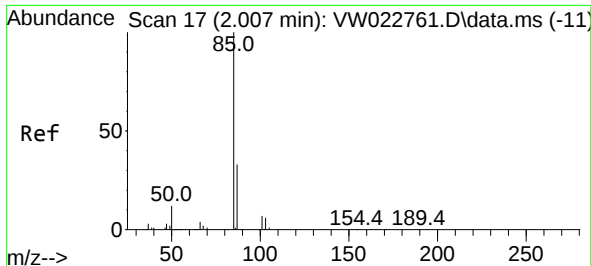
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.396  | 62   | 135299   | 23.121 | ug/L  | 96       |
| 29) Cyclohexane               | 7.957  | 56   | 161486   | 23.821 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 185466   | 25.038 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 171837   | 24.799 | ug/L  | 98       |
| 33) Benzene                   | 8.323  | 78   | 448905   | 24.310 | ug/L  | 100      |
| 34) Trichloroethene           | 9.091  | 95   | 123891   | 24.396 | ug/L  | 97       |
| 35) Methylcyclohexane         | 9.335  | 83   | 198076   | 23.743 | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 107687   | 24.098 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.640  | 83   | 156724   | 24.692 | ug/L  | 96       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 177163   | 25.569 | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 129455   | 45.962 | ug/L  | 99       |
| 42) Toluene                   | 10.384 | 91   | 518182   | 25.040 | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 10.603 | 75   | 154904   | 25.047 | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 90404    | 24.201 | ug/L  | 97       |
| 46) Tetrachloroethene         | 10.859 | 164  | 93931    | 24.613 | ug/L  | 87       |
| 48) 2-Hexanone                | 10.963 | 43   | 89414    | 47.512 | ug/L  | 99       |
| 49) Dibromochloromethane      | 11.128 | 129  | 110215   | 24.514 | ug/L  | 94       |
| 50) 1,2-Dibromoethane         | 11.231 | 107  | 89867    | 23.958 | ug/L  | 92       |
| 51) Chlorobenzene             | 11.652 | 112  | 337887   | 24.766 | ug/L  | 98       |
| 52) Ethylbenzene              | 11.725 | 91   | 579768   | 25.182 | ug/L  | 100      |
| 53) m,p-Xylene                | 11.835 | 106  | 229539   | 25.303 | ug/L  | 93       |
| 54) o-Xylene                  | 12.164 | 106  | 217583   | 24.995 | ug/L  | 87       |
| 55) Styrene                   | 12.176 | 104  | 389817   | 26.353 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 113321   | 24.287 | ug/L  | 95       |
| 59) Bromoform                 | 12.347 | 173  | 56612    | 23.020 | ug/L  | 99       |
| 60) Isopropylbenzene          | 12.463 | 105  | 615109   | 25.874 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 12.767 | 75   | 79968    | 23.063 | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.938 | 105  | 335691   | 25.381 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 509588   | 25.660 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 265880   | 25.050 | ug/L  | 91       |
| 65) 1,4-Dichlorobenzene       | 13.572 | 146  | 263711   | 24.054 | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 234896   | 24.184 | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 14.487 | 75   | 17095    | 22.559 | ug/L  | 94       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 172838   | 24.531 | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 139116   | 24.546 | ug/L  | 98       |
| 71) Naphthalene               | 15.358 | 128  | 301338   | 24.463 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.547 | 180  | 116978   | 23.288 | ug/L  | 99       |

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

**Instrument :**  
MSVOA\_W  
**ClientSampleId :**  
VSTD025513

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Quant Title : SFAM01.0  
QLast Update : Wed May 04 01:21:13 2022  
Response via : Initial Calibration

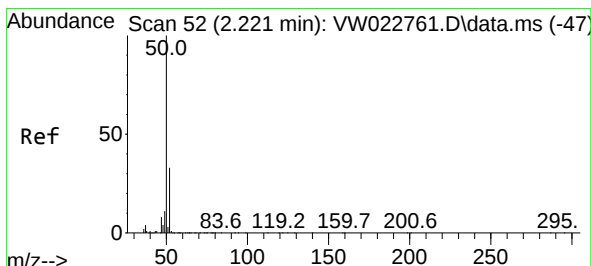
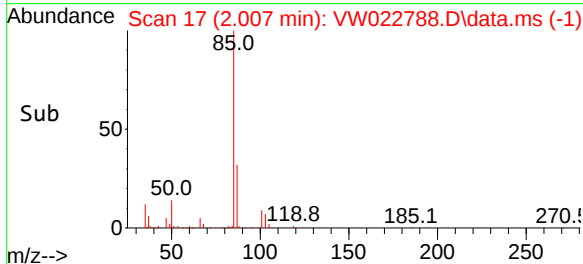
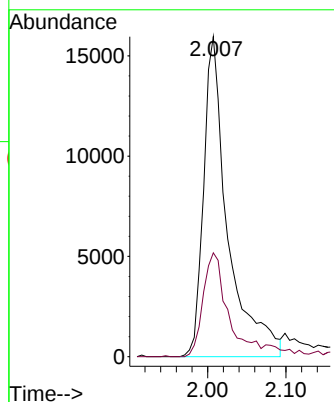
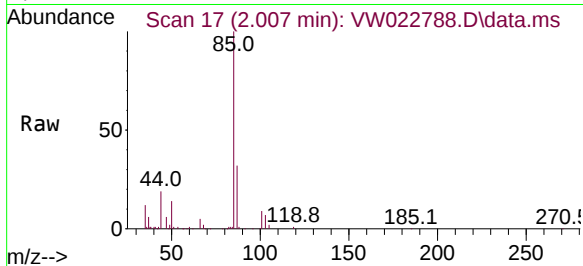




#2  
 Dichlorodifluoromethane  
 Concen: 19.299 ug/L  
 RT: 2.007 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VW022788.D  
 Acq: 04 May 2022 09:05

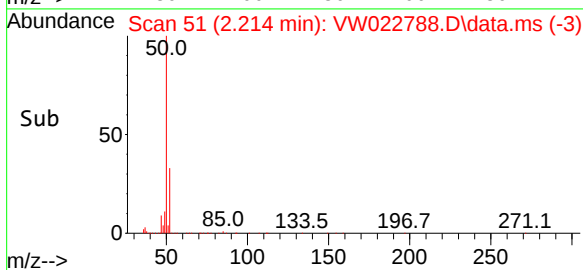
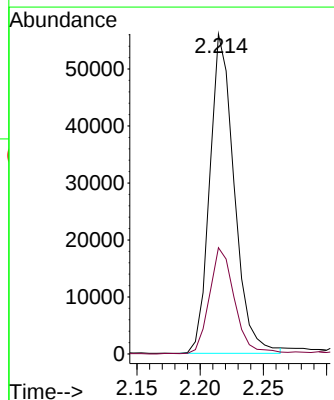
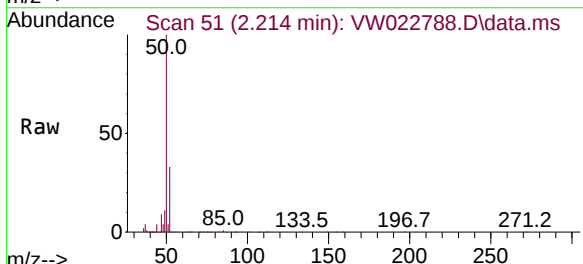
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025513

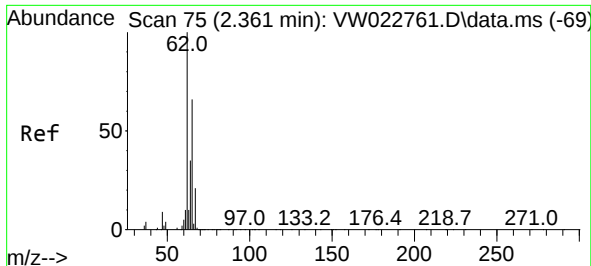
Tgt Ion: 85 Resp: 34192  
 Ion Ratio Lower Upper  
 85 100  
 87 31.8 27.8 41.8



#3  
 Chloromethane  
 Concen: 22.051 ug/L  
 RT: 2.214 min Scan# 51  
 Delta R.T. -0.006 min  
 Lab File: VW022788.D  
 Acq: 04 May 2022 09:05

Tgt Ion: 50 Resp: 75492  
 Ion Ratio Lower Upper  
 50 100  
 52 33.2 23.1 42.9

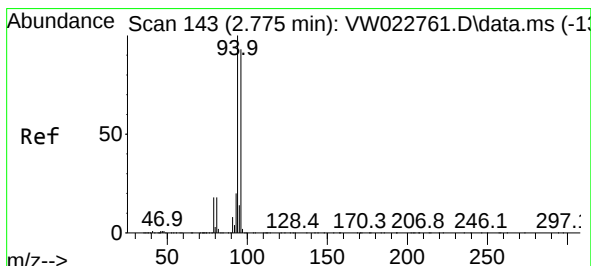
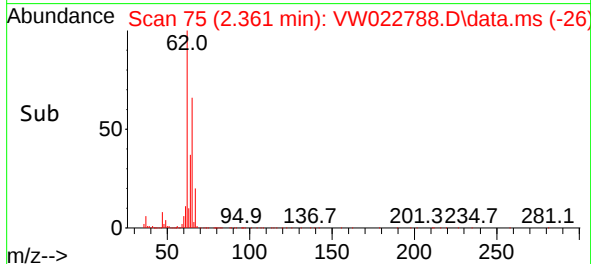
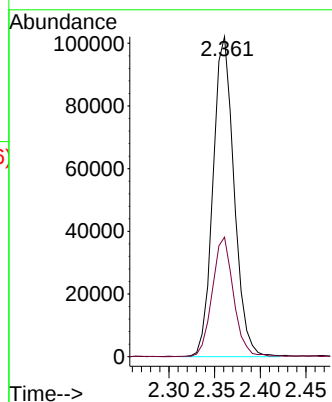
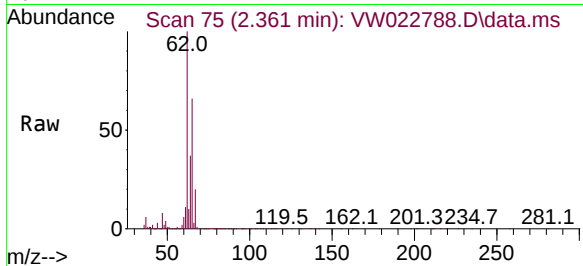




#5  
 Vinyl chloride  
 Concen: 23.781 ug/L  
 RT: 2.361 min Scan# 75  
 Delta R.T. -0.000 min  
 Lab File: VW022788.D  
 Acq: 04 May 2022 09:05

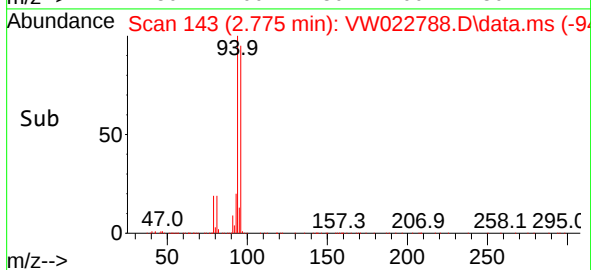
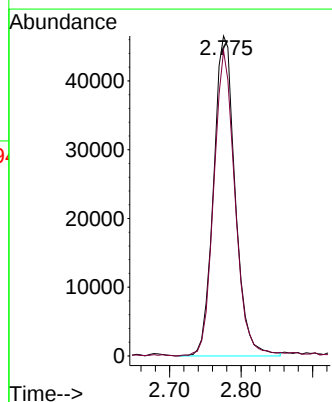
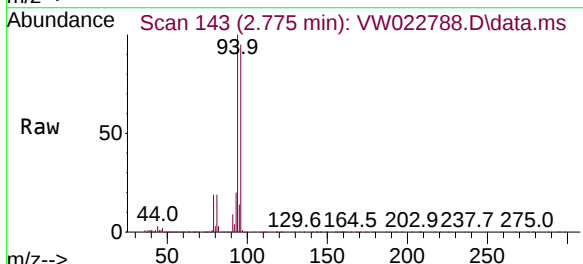
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025513

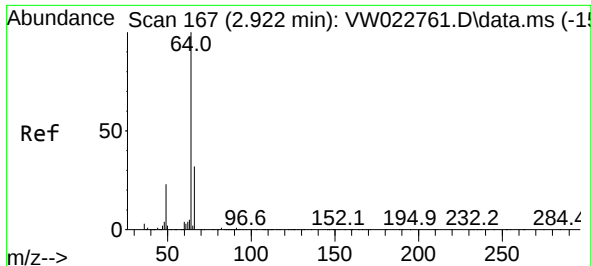
Tgt Ion: 62 Resp: 163391  
 Ion Ratio Lower Upper  
 62 100  
 64 37.4 24.9 46.3



#6  
 Bromomethane  
 Concen: 22.170 ug/L  
 RT: 2.775 min Scan# 143  
 Delta R.T. -0.000 min  
 Lab File: VW022788.D  
 Acq: 04 May 2022 09:05

Tgt Ion: 94 Resp: 97799  
 Ion Ratio Lower Upper  
 94 100  
 96 95.4 61.7 114.5

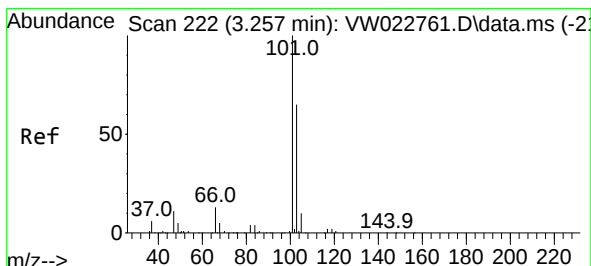
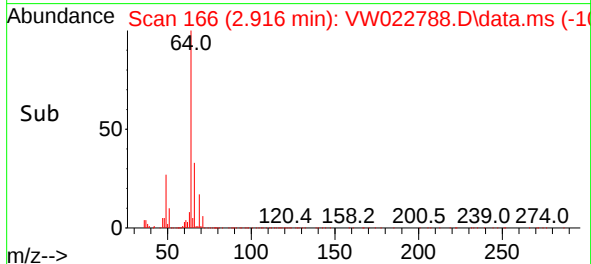
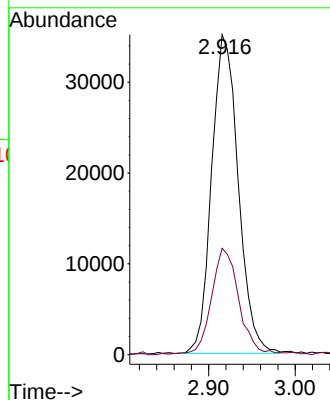
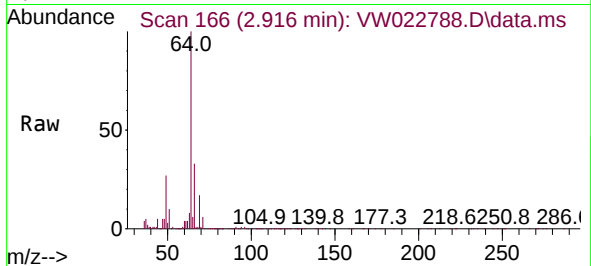




#8  
Chloroethane  
Concen: 22.607 ug/L  
RT: 2.916 min Scan# 166  
Delta R.T. -0.006 min  
Lab File: VW022788.D  
Acq: 04 May 2022 09:05

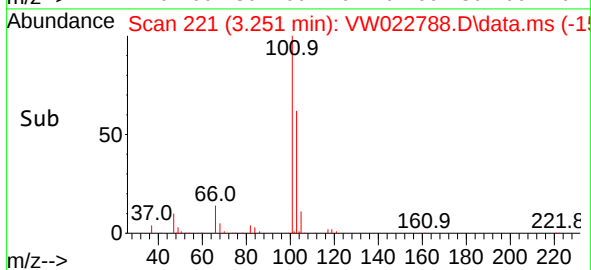
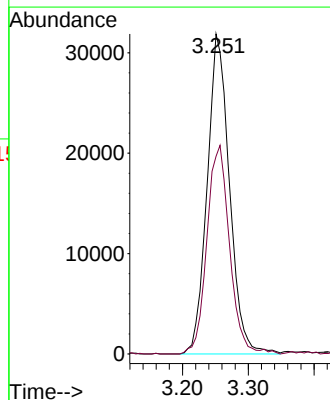
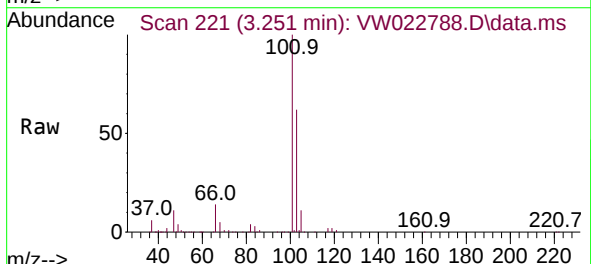
Instrument :  
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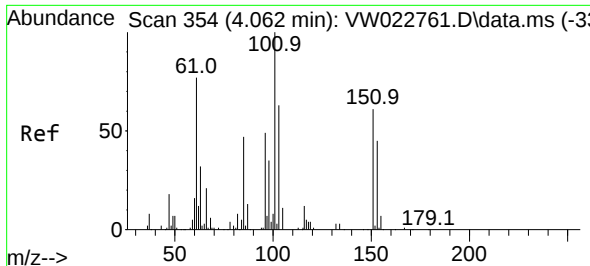
Tgt Ion: 64 Resp: 74917  
Ion Ratio Lower Upper  
64 100  
66 33.2 23.4 43.6



#9  
Trichlorofluoromethane  
Concen: 23.954 ug/L  
RT: 3.251 min Scan# 221  
Delta R.T. -0.006 min  
Lab File: VW022788.D  
Acq: 04 May 2022 09:05

Tgt Ion: 101 Resp: 75224  
Ion Ratio Lower Upper  
101 100  
103 65.7 53.9 80.9





#10

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

Concen: 23.353 ug/L

RT: 4.056 min Scan# 310

Delta R.T. -0.006 min

Lab File: VW022788.D

Acq: 04 May 2022 09:05

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025513

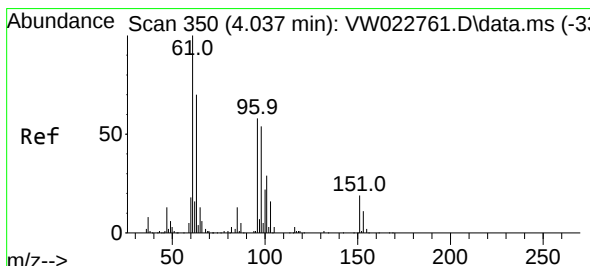
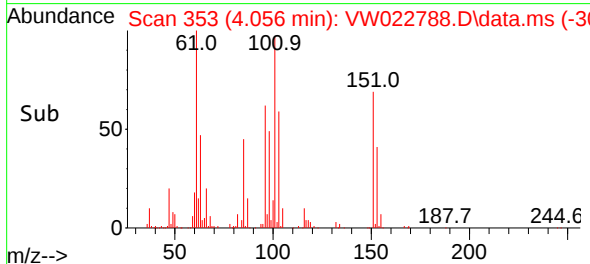
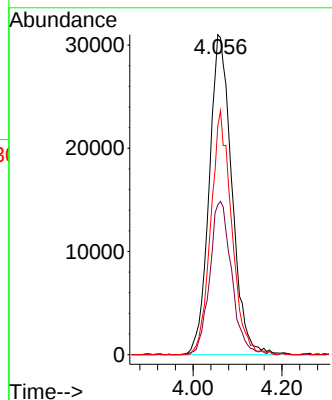
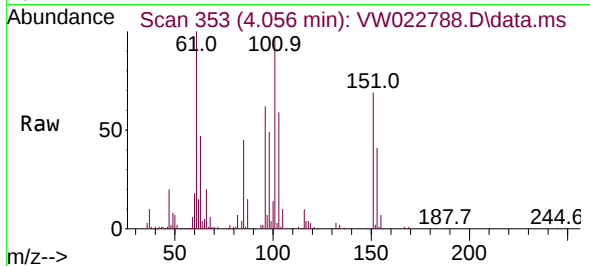
Tgt Ion:101 Resp: 109654

Ion Ratio Lower Upper

101 100

85 46.0 34.3 51.5

151 70.0 54.2 81.2



#12

1,1-Dichloroethene

Concen: 23.531 ug/L

RT: 4.037 min Scan# 350

Delta R.T. -0.000 min

Lab File: VW022788.D

Acq: 04 May 2022 09:05

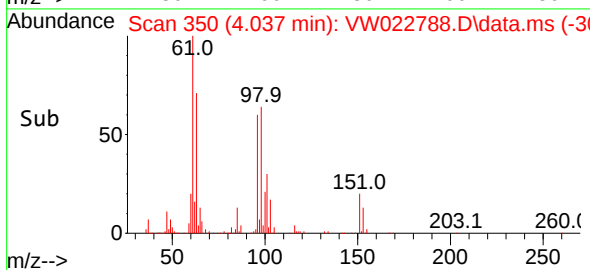
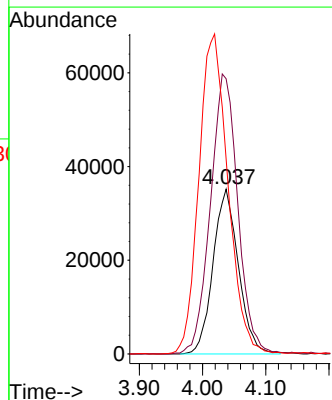
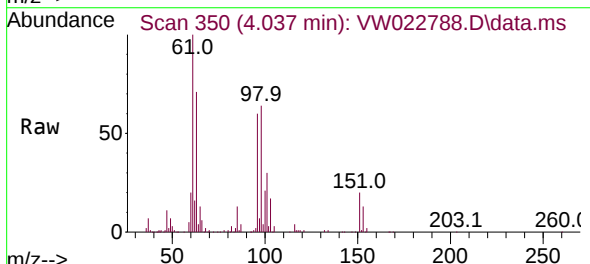
Tgt Ion: 96 Resp: 97947

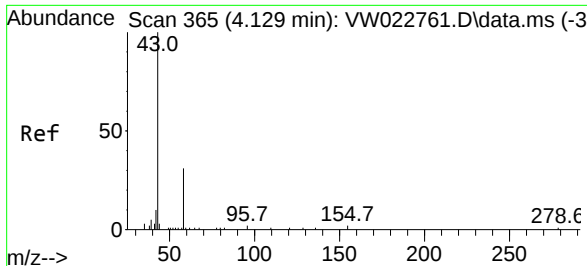
Ion Ratio Lower Upper

96 100

61 166.9 125.7 233.5

63 118.3 83.4 155.0

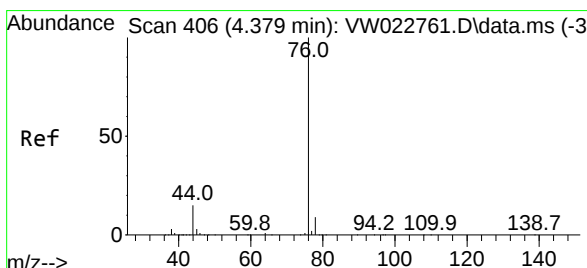
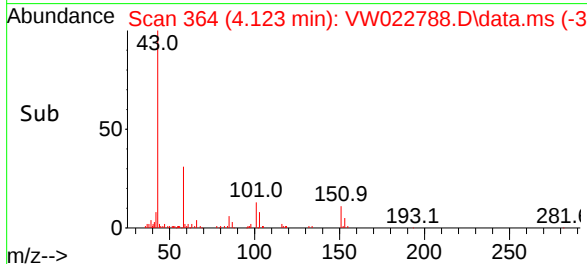
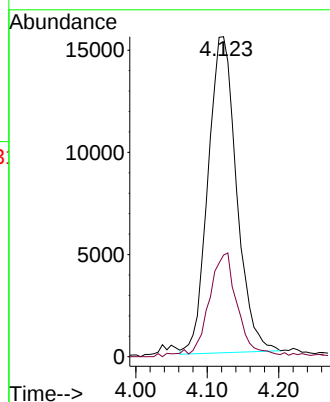
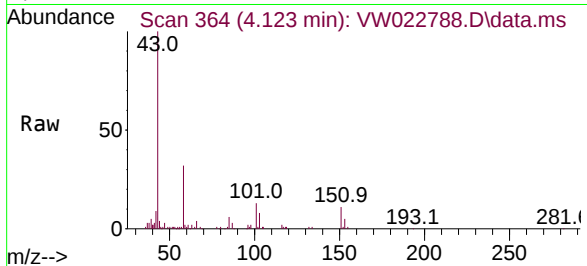




#13  
Acetone  
Concen: 45.348 ug/L  
RT: 4.123 min Scan# 364  
Delta R.T. -0.006 min  
Lab File: VW022788.D  
Acq: 04 May 2022 09:05

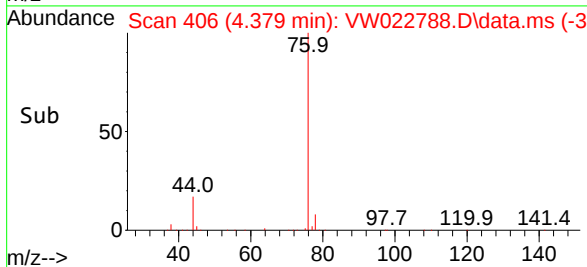
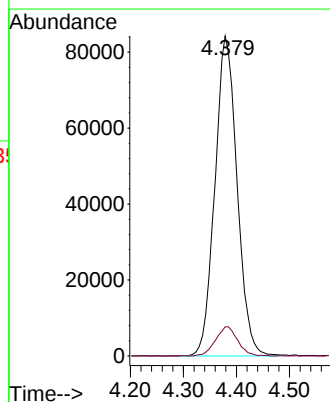
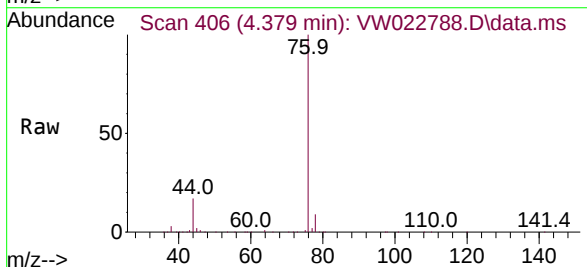
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025513

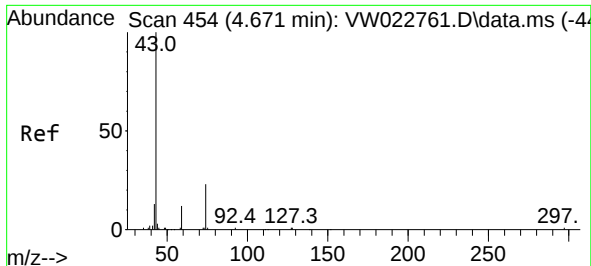
Tgt Ion: 43 Resp: 43042  
Ion Ratio Lower Upper  
43 100  
58 32.0 0.0 64.0



#14  
Carbon disulfide  
Concen: 21.434 ug/L  
RT: 4.379 min Scan# 406  
Delta R.T. -0.000 min  
Lab File: VW022788.D  
Acq: 04 May 2022 09:05

Tgt Ion: 76 Resp: 244599  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.7 11.5

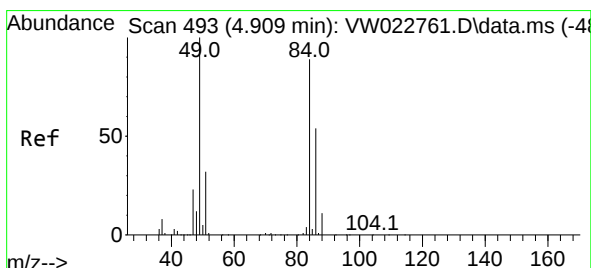
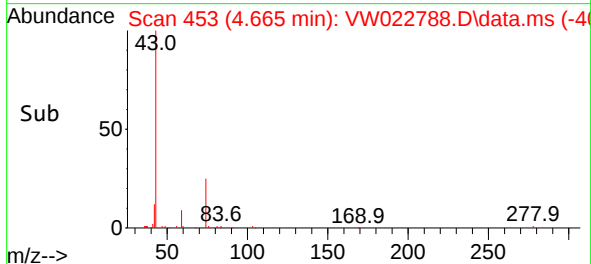
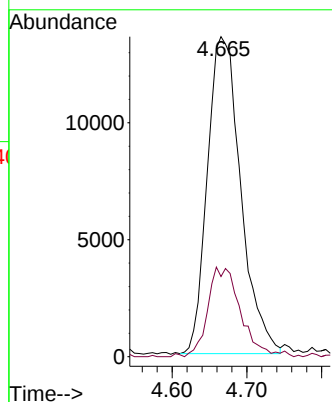
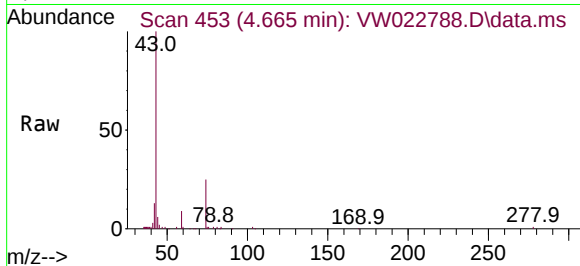




#15  
Methyl Acetate  
Concen: 22.058 ug/L  
RT: 4.665 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VW022788.D  
Acq: 04 May 2022 09:05

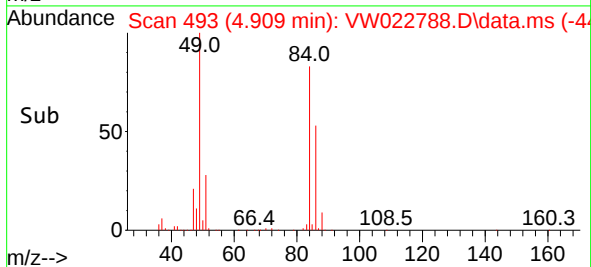
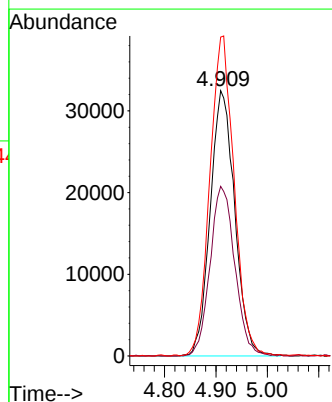
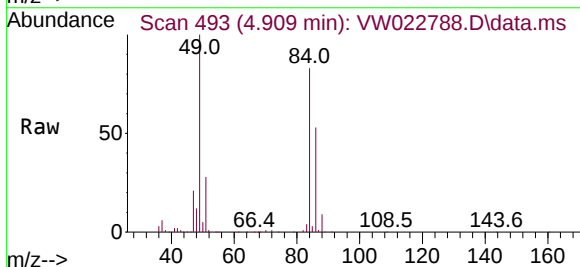
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025513

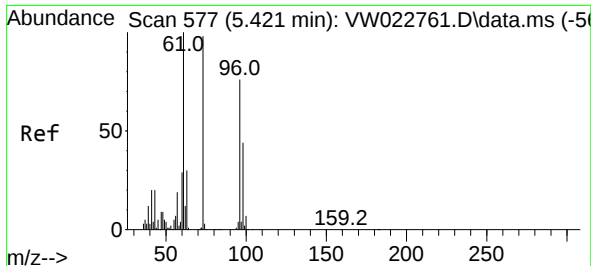
Tgt Ion: 43 Resp: 42062  
Ion Ratio Lower Upper  
43 100  
74 12.4 21.9 32.9#



#16  
Methylene chloride  
Concen: 22.613 ug/L  
RT: 4.909 min Scan# 493  
Delta R.T. -0.000 min  
Lab File: VW022788.D  
Acq: 04 May 2022 09:05

Tgt Ion: 84 Resp: 107538  
Ion Ratio Lower Upper  
84 100  
86 63.9 45.4 84.4  
49 120.2 82.5 153.1

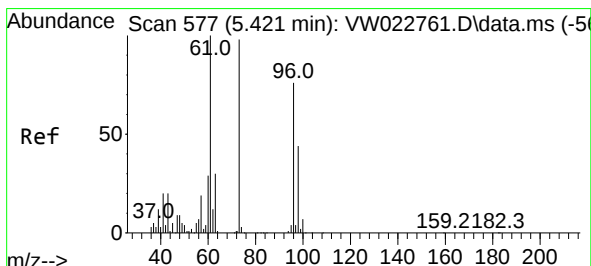
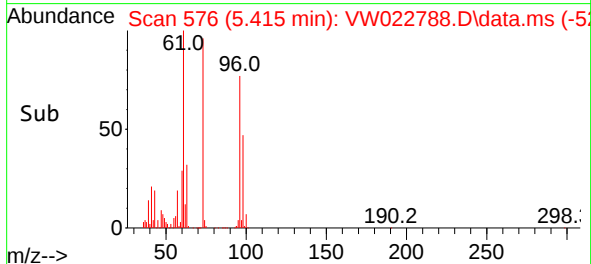
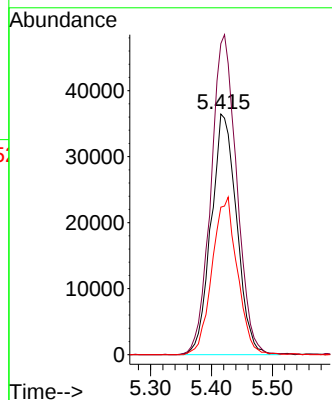
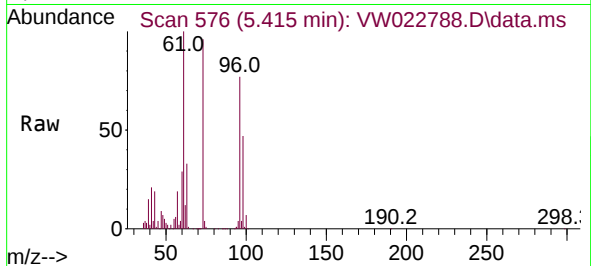




#17  
trans-1,2-Dichloroethene  
Concen: 22.678 ug/L  
RT: 5.415 min Scan# 576  
Delta R.T. -0.006 min  
Lab File: VW022788.D  
Acq: 04 May 2022 09:05

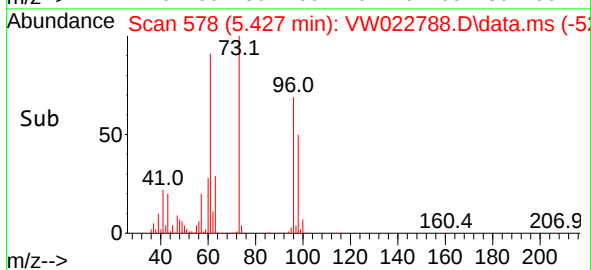
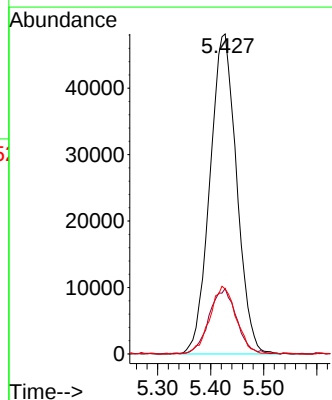
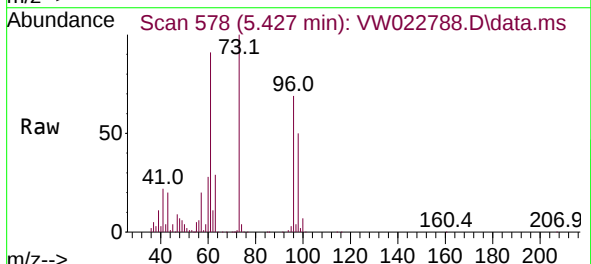
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025513

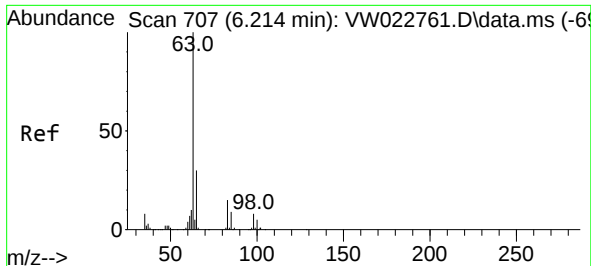
Tgt Ion: 96 Resp: 106226  
Ion Ratio Lower Upper  
96 100  
61 129.3 92.2 171.2  
98 61.3 42.9 79.7



#18  
Methyl tert-butyl Ether  
Concen: 23.562 ug/L  
RT: 5.427 min Scan# 578  
Delta R.T. 0.006 min  
Lab File: VW022788.D  
Acq: 04 May 2022 09:05

Tgt Ion: 73 Resp: 168483  
Ion Ratio Lower Upper  
73 100  
43 20.7 15.9 23.9  
57 20.9 16.5 24.7





#19

1,1-Dichloroethane

Concen: 23.903 ug/L

RT: 6.214 min Scan# 707

Delta R.T. -0.000 min

Lab File: VW022788.D

Acq: 04 May 2022 09:05

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025513

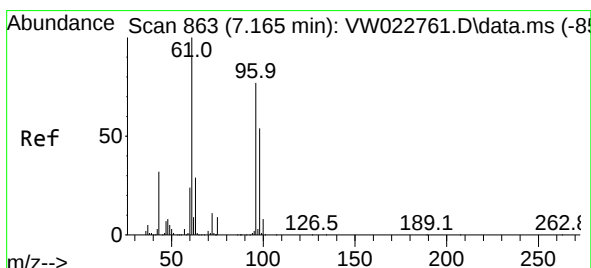
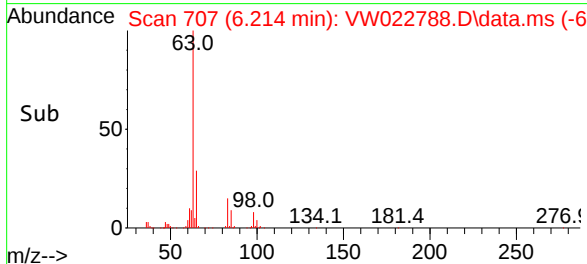
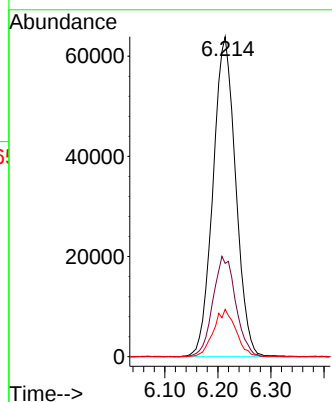
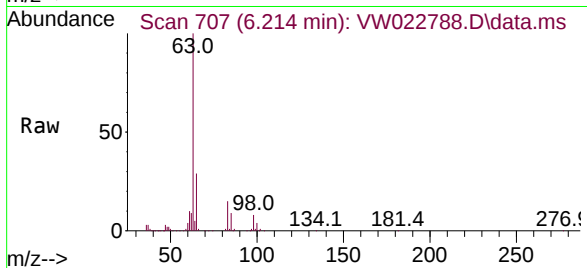
Tgt Ion: 63 Resp: 189763

Ion Ratio Lower Upper

63 100

65 29.1 23.3 43.3

83 14.8 11.1 20.5



#20

cis-1,2-Dichloroethene

Concen: 23.495 ug/L

RT: 7.165 min Scan# 863

Delta R.T. -0.000 min

Lab File: VW022788.D

Acq: 04 May 2022 09:05

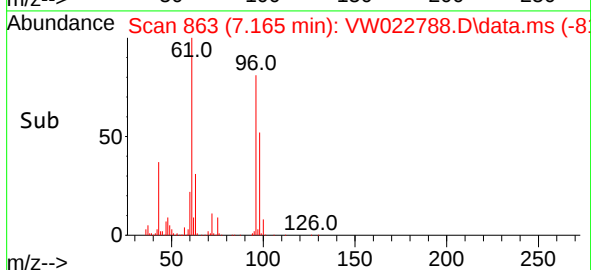
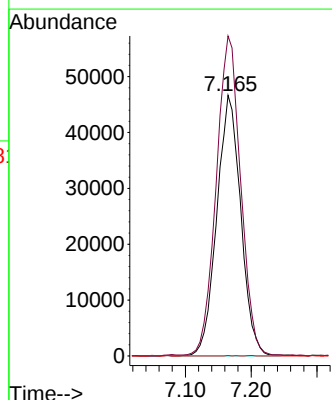
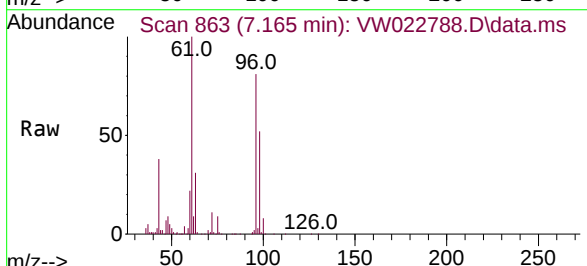
Tgt Ion: 96 Resp: 118209

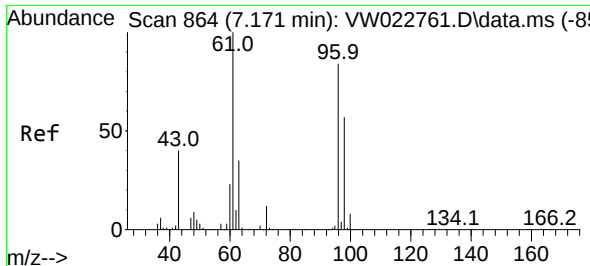
Ion Ratio Lower Upper

96 100

61 122.8 84.2 156.4

68 0.2 0.1 0.1

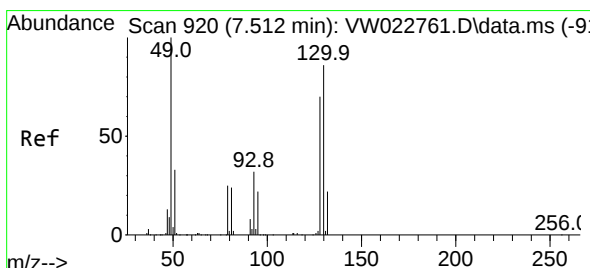
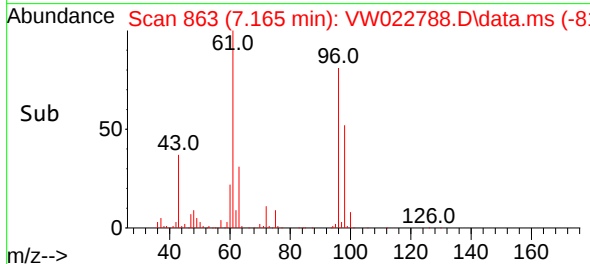
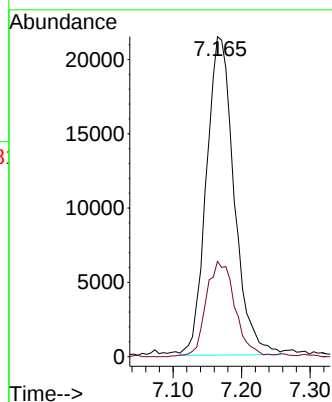
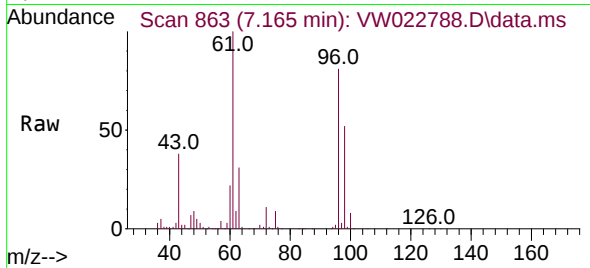




#22  
2-Butanone  
Concen: 45.578 ug/L  
RT: 7.165 min Scan# 863  
Delta R.T. -0.006 min  
Lab File: VW022788.D  
Acq: 04 May 2022 09:05

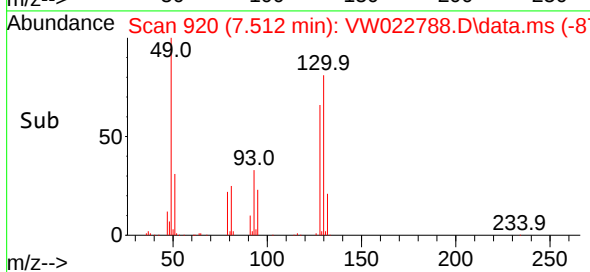
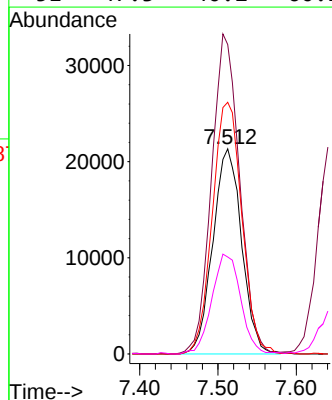
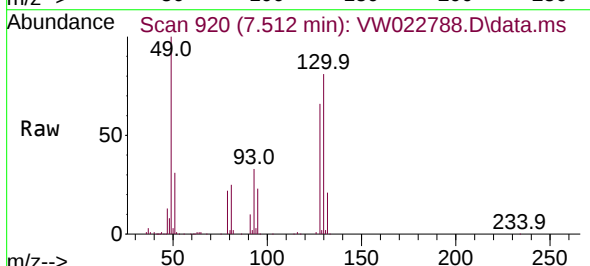
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025513

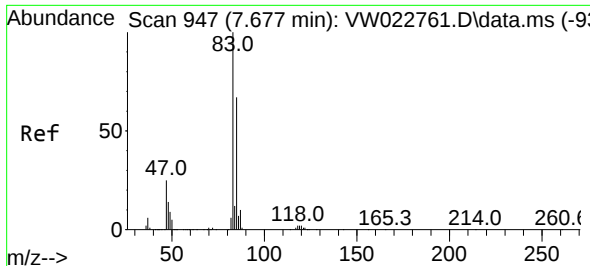
Tgt Ion: 43 Resp: 60500  
Ion Ratio Lower Upper  
43 100  
72 30.9 15.1 45.3



#23  
Bromochloromethane  
Concen: 23.101 ug/L  
RT: 7.512 min Scan# 920  
Delta R.T. -0.000 min  
Lab File: VW022788.D  
Acq: 04 May 2022 09:05

Tgt Ion: 128 Resp: 54432  
Ion Ratio Lower Upper  
128 100  
49 150.9 110.0 204.4  
130 122.7 94.8 176.0  
51 47.3 40.2 60.2

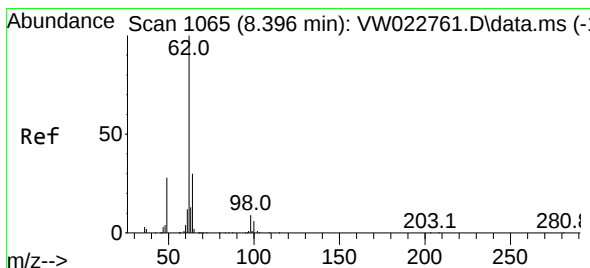
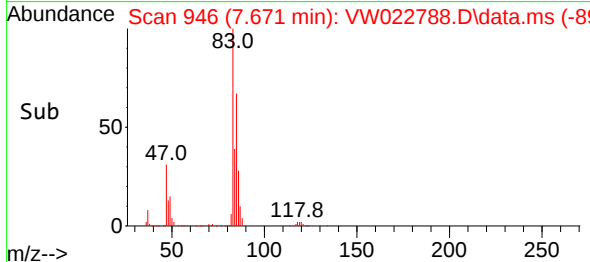
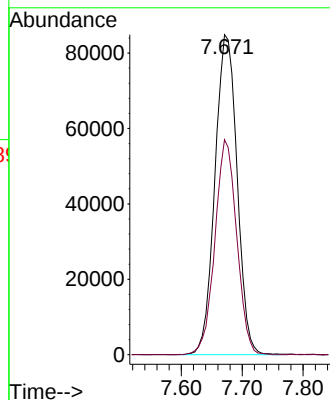
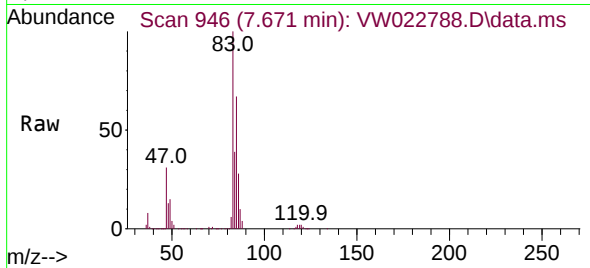




#25  
Chloroform  
Concen: 24.446 ug/L  
RT: 7.671 min Scan# 947  
Delta R.T. -0.006 min  
Lab File: VW022788.D  
Acq: 04 May 2022 09:05

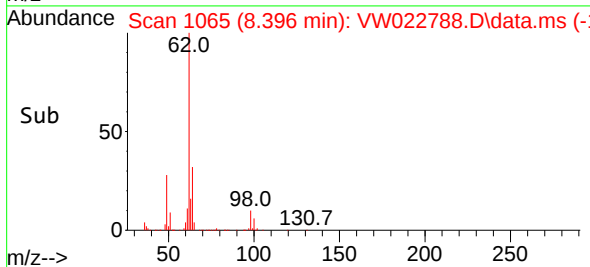
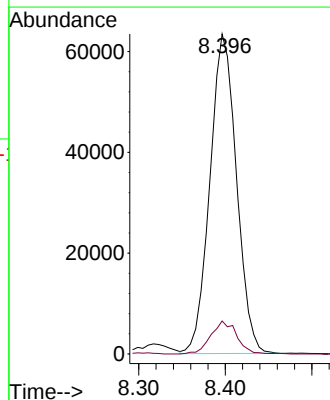
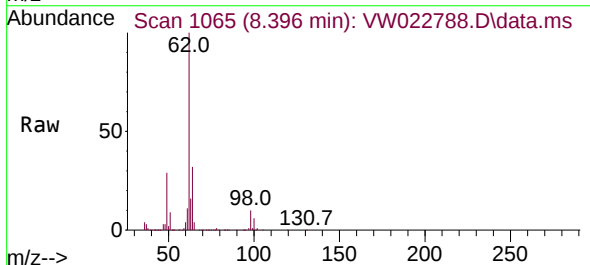
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025513

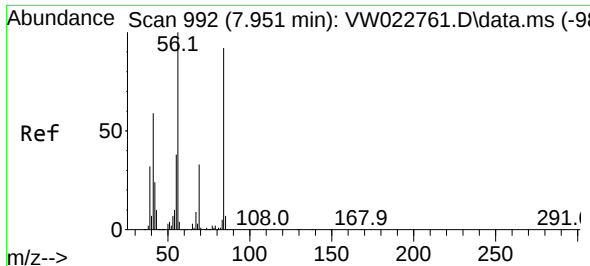
Tgt Ion: 83 Resp: 214597  
Ion Ratio Lower Upper  
83 100  
85 67.2 46.6 86.6



#27  
1,2-Dichloroethane  
Concen: 23.121 ug/L  
RT: 8.396 min Scan# 1065  
Delta R.T. -0.000 min  
Lab File: VW022788.D  
Acq: 04 May 2022 09:05

Tgt Ion: 62 Resp: 135299  
Ion Ratio Lower Upper  
62 100  
98 10.3 7.2 10.8

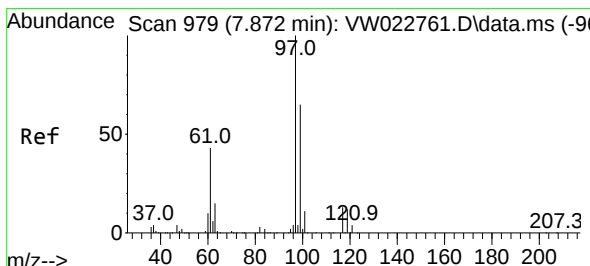
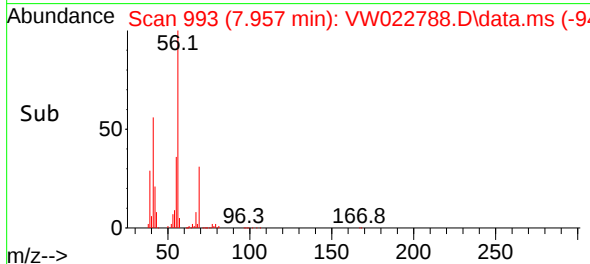
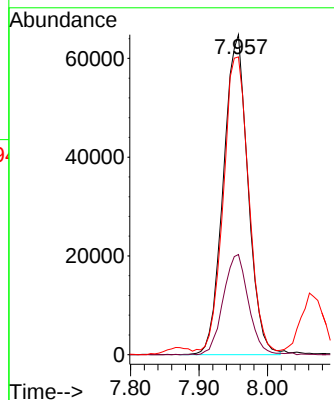
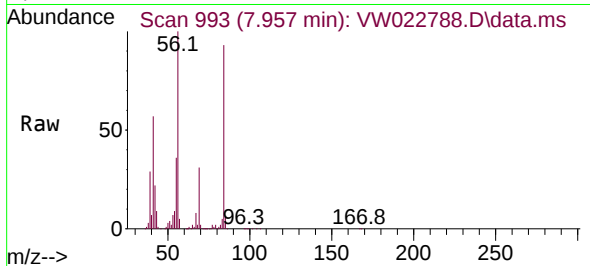




#29  
Cyclohexane  
Concen: 23.821 ug/L  
RT: 7.957 min Scan# 992  
Delta R.T. 0.006 min  
Lab File: VW022788.D  
Acq: 04 May 2022 09:05

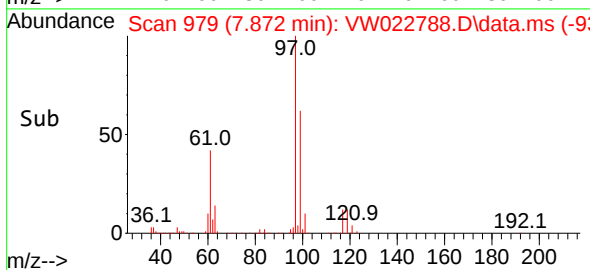
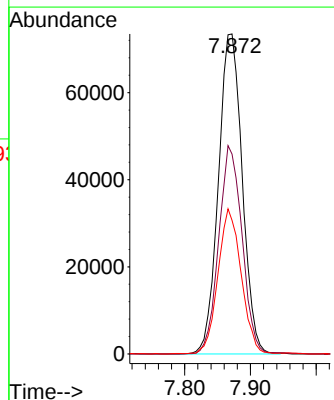
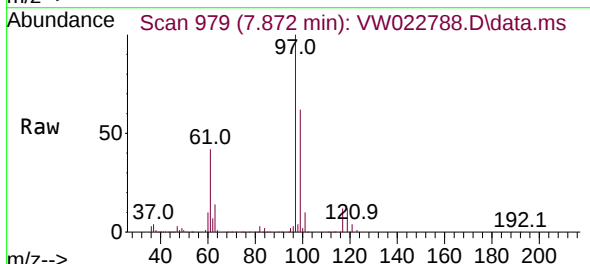
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025513

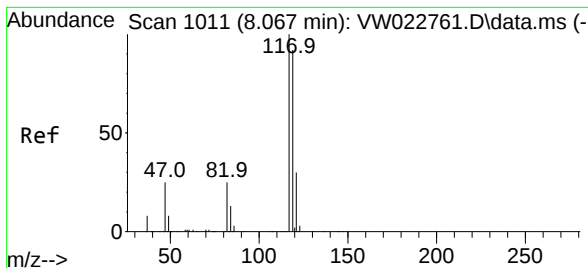
Tgt Ion: 56 Resp: 161486  
Ion Ratio Lower Upper  
56 100  
69 31.9 25.6 38.4  
84 96.8 78.2 117.4



#30  
1,1,1-Trichloroethane  
Concen: 25.038 ug/L  
RT: 7.872 min Scan# 979  
Delta R.T. -0.000 min  
Lab File: VW022788.D  
Acq: 04 May 2022 09:05

Tgt Ion: 97 Resp: 185466  
Ion Ratio Lower Upper  
97 100  
99 63.5 51.0 76.4  
61 44.1 34.8 52.2

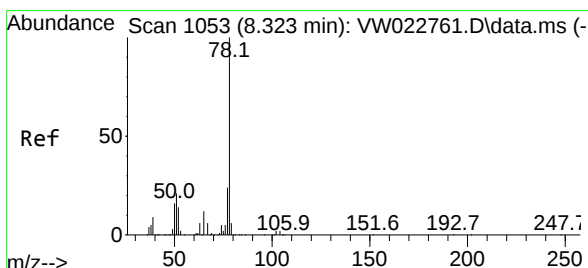
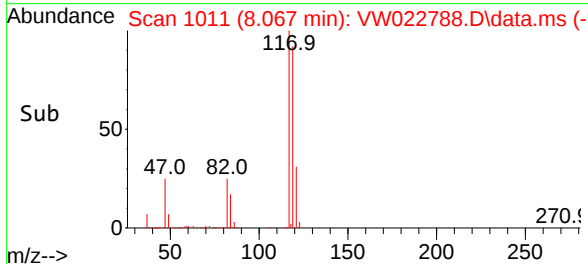
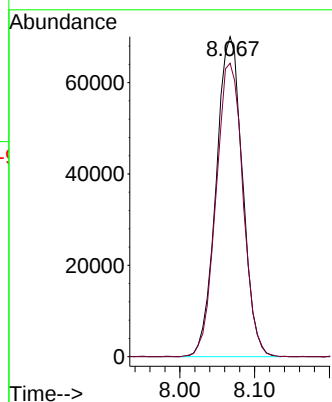
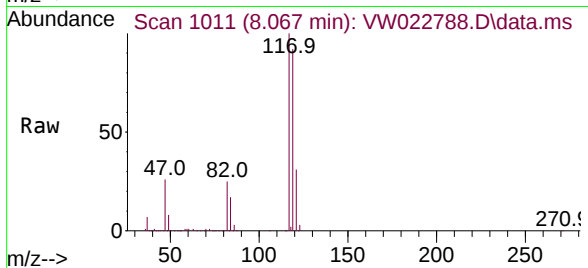




#31  
Carbon tetrachloride  
Concen: 24.799 ug/L  
RT: 8.067 min Scan# 1011  
Delta R.T. -0.000 min  
Lab File: VW022788.D  
Acq: 04 May 2022 09:05

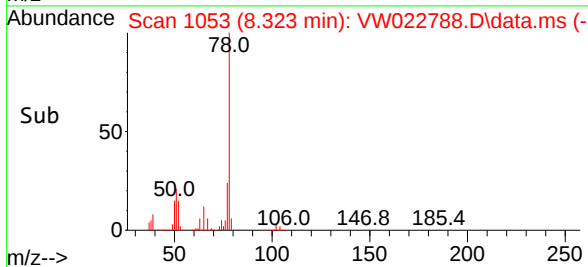
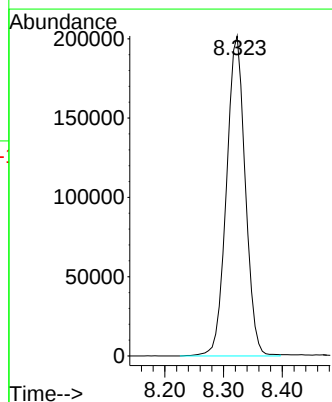
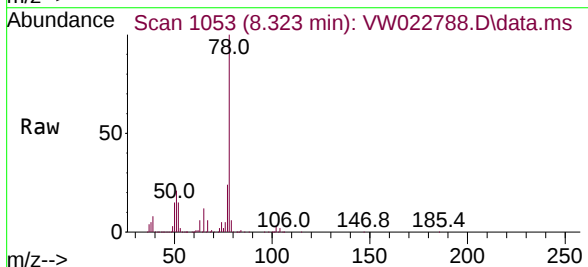
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025513

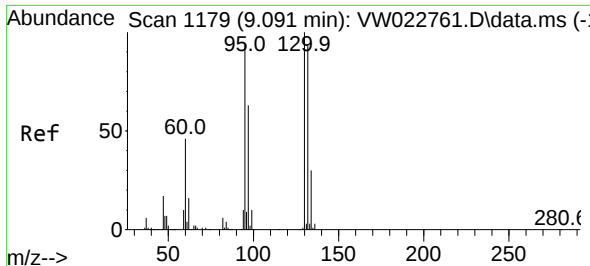
Tgt Ion:117 Resp: 171837  
Ion Ratio Lower Upper  
117 100  
119 93.8 76.6 115.0



#33  
Benzene  
Concen: 24.310 ug/L  
RT: 8.323 min Scan# 1053  
Delta R.T. -0.000 min  
Lab File: VW022788.D  
Acq: 04 May 2022 09:05

Tgt Ion: 78 Resp: 448905



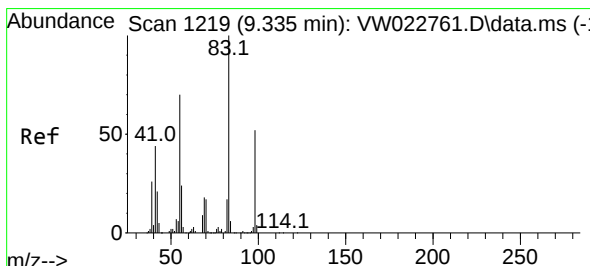
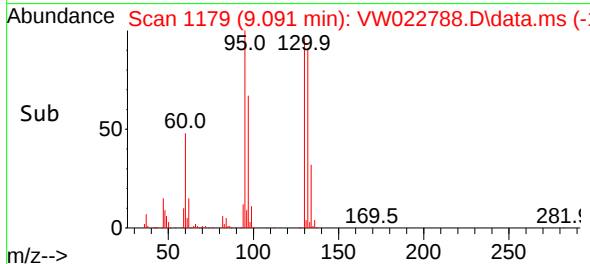
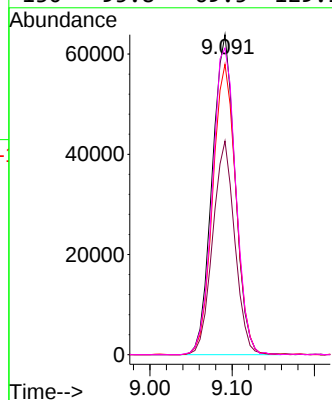
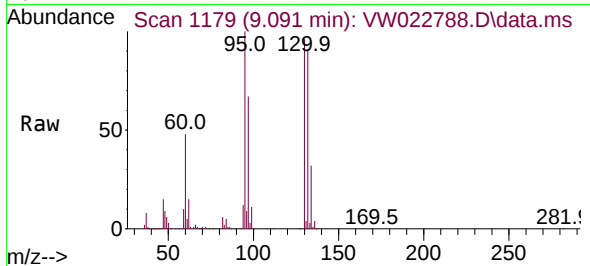


#34  
Trichloroethene  
Concen: 24.396 ug/L  
RT: 9.091 min Scan# 1179  
Delta R.T. -0.000 min  
Lab File: VW022788.D  
Acq: 04 May 2022 09:05

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025513

Tgt Ion: 95 Resp: 123891

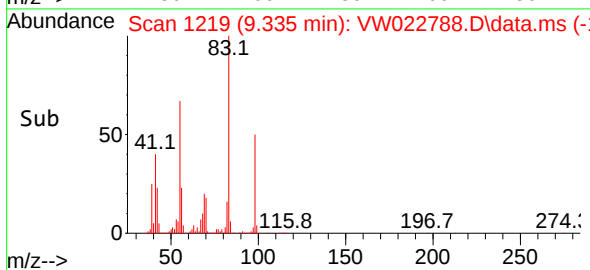
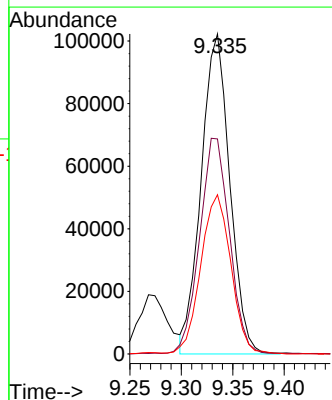
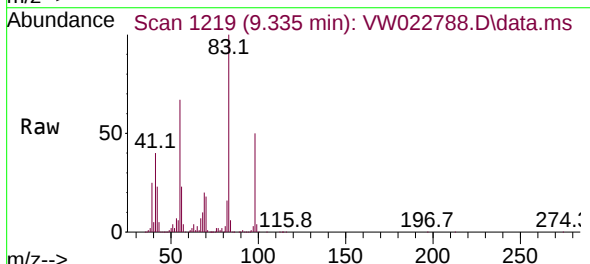
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 66.7  | 46.1  | 85.7  |
| 132 | 90.7  | 66.9  | 124.3 |
| 130 | 95.8  | 69.5  | 129.1 |

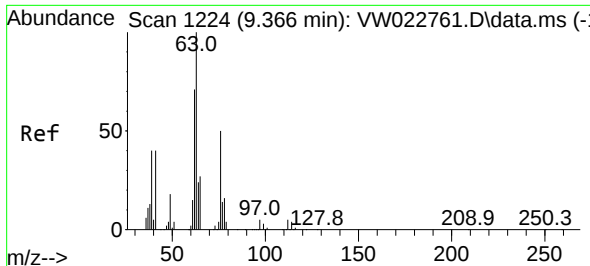


#35  
Methylcyclohexane  
Concen: 23.743 ug/L  
RT: 9.335 min Scan# 1219  
Delta R.T. -0.000 min  
Lab File: VW022788.D  
Acq: 04 May 2022 09:05

Tgt Ion: 83 Resp: 198076

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 70.5  | 55.1  | 82.7  |
| 98  | 52.5  | 40.4  | 60.6  |





#37

1,2-Dichloropropane

Concen: 24.098 ug/L

RT: 9.366 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW022788.D

Acq: 04 May 2022 09:05

Instrument :

MSVOA\_W

ClientSampleId :

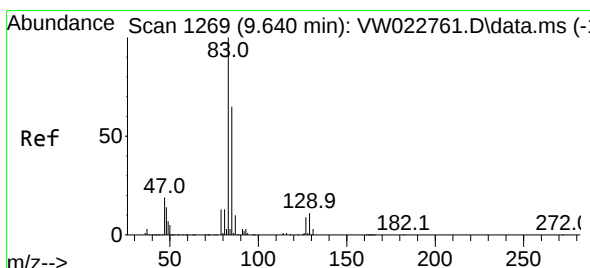
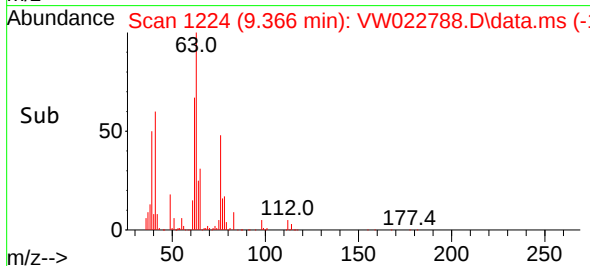
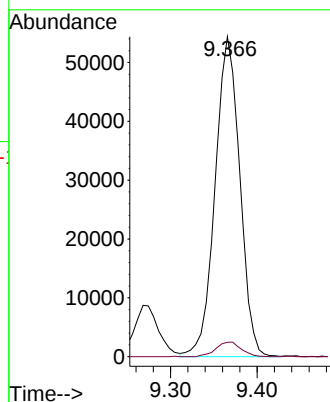
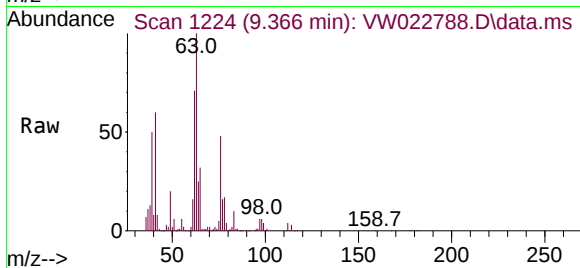
VSTD025513

Tgt Ion: 63 Resp: 107687

Ion Ratio Lower Upper

63 100

112 4.7 3.8 5.8



#38

Bromodichloromethane

Concen: 24.692 ug/L

RT: 9.640 min Scan# 1269

Delta R.T. -0.000 min

Lab File: VW022788.D

Acq: 04 May 2022 09:05

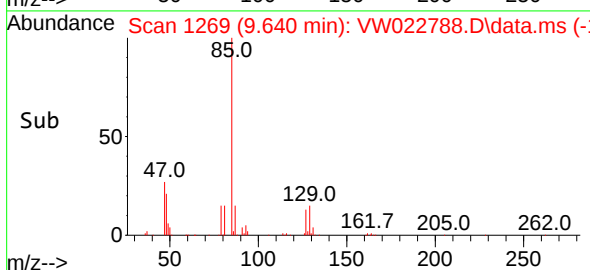
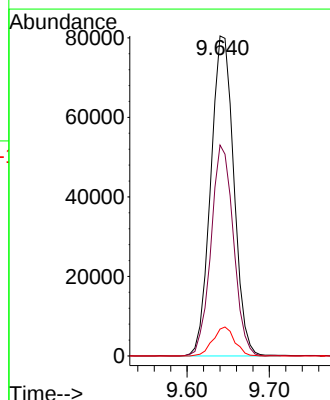
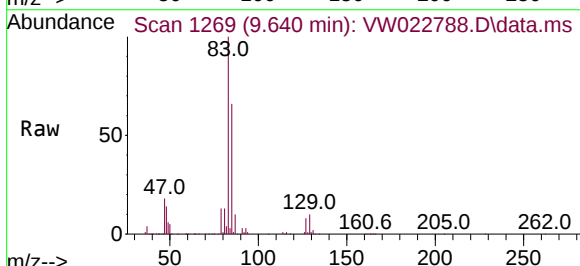
Tgt Ion: 83 Resp: 156724

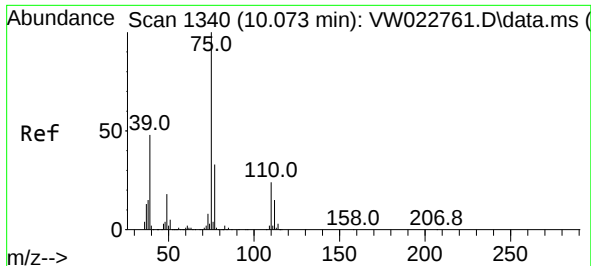
Ion Ratio Lower Upper

83 100

85 65.9 43.5 80.7

127 8.4 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 25.569 ug/L

RT: 10.073 min Scan# 1340

Delta R.T. -0.000 min

Lab File: VW022788.D

Acq: 04 May 2022 09:05

Instrument :

MSVOA\_W

ClientSampleId :

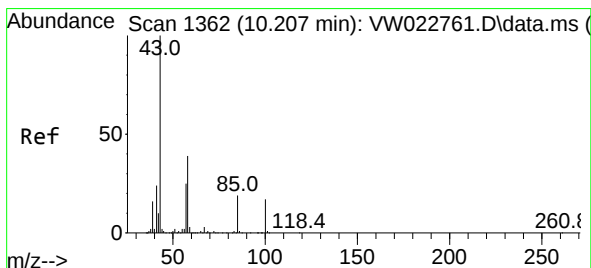
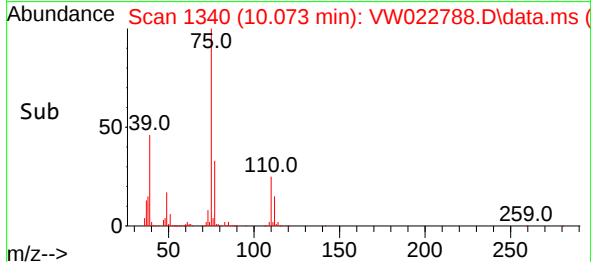
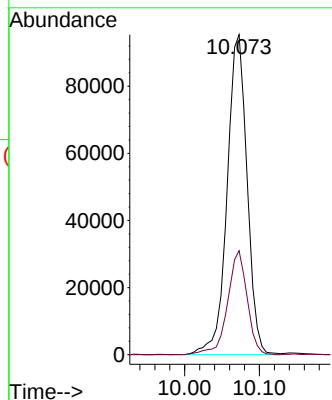
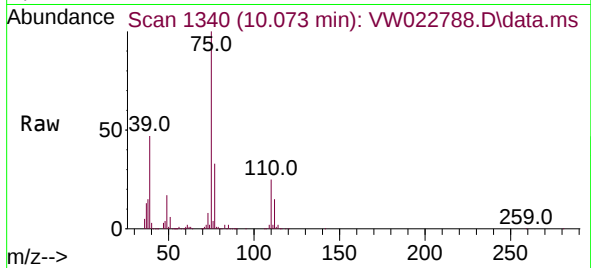
VSTD025513

Tgt Ion: 75 Resp: 177163

Ion Ratio Lower Upper

75 100

77 32.5 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 45.962 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. -0.000 min

Lab File: VW022788.D

Acq: 04 May 2022 09:05

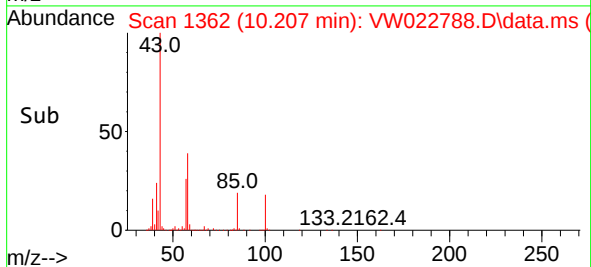
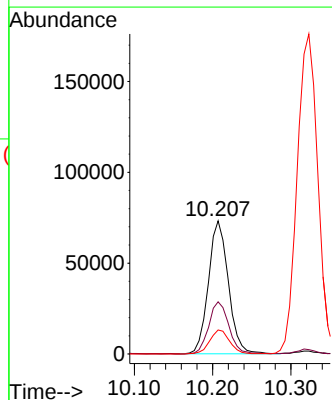
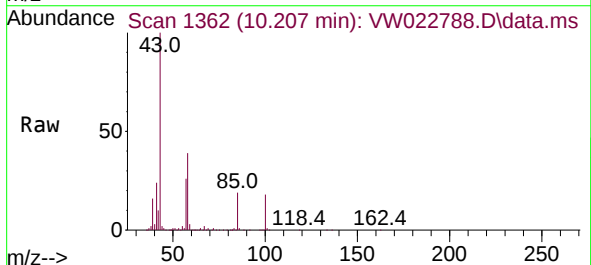
Tgt Ion: 43 Resp: 129455

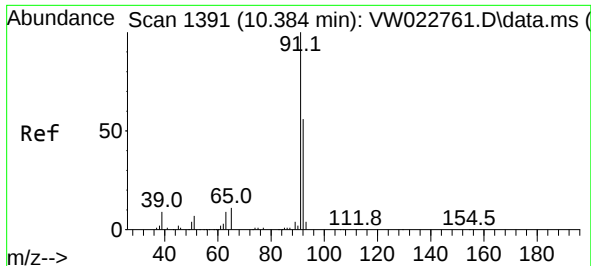
Ion Ratio Lower Upper

43 100

58 39.8 31.4 47.2

100 18.0 14.2 21.4

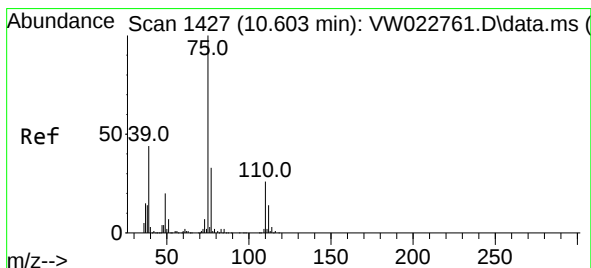
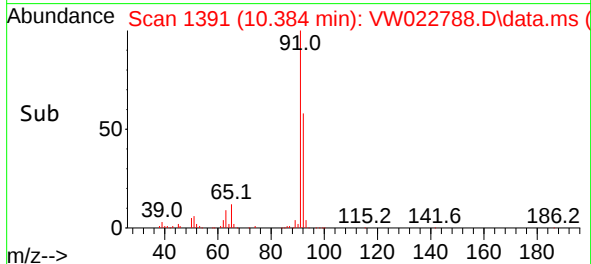
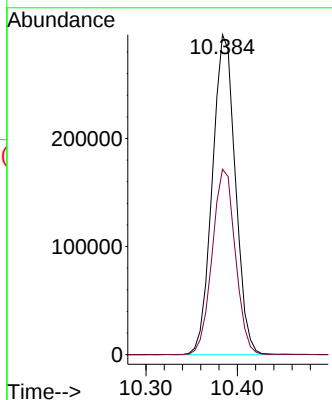
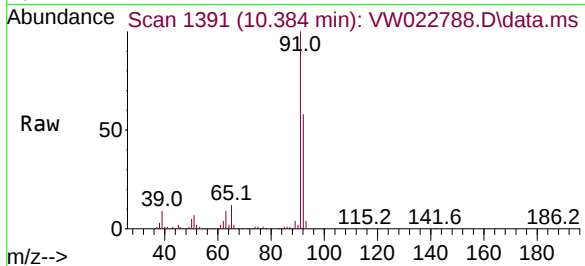




#42  
Toluene  
Concen: 25.040 ug/L  
RT: 10.384 min Scan# 1391  
Delta R.T. -0.000 min  
Lab File: VW022788.D  
Acq: 04 May 2022 09:05

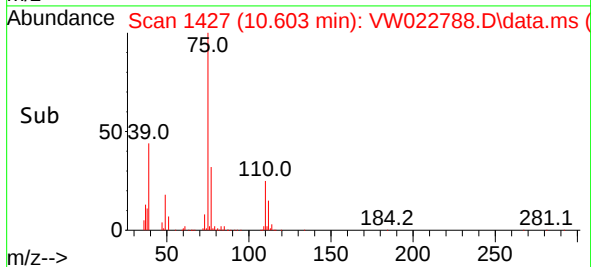
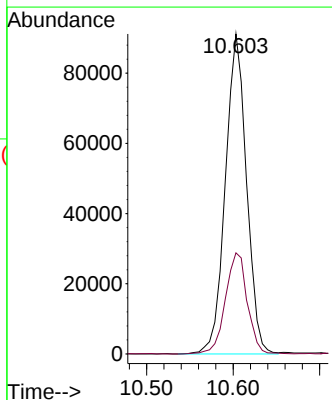
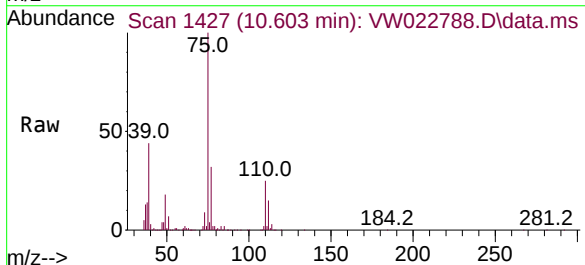
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025513

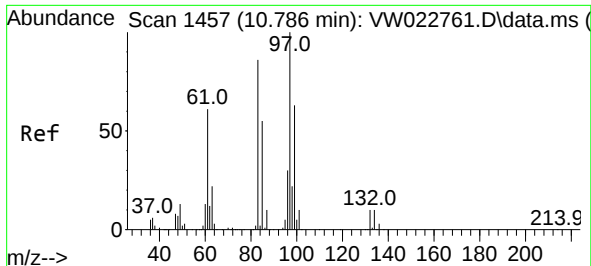
Tgt Ion: 91 Resp: 518182  
Ion Ratio Lower Upper  
91 100  
92 58.0 41.6 77.2



#44  
trans-1,3-Dichloropropene  
Concen: 25.047 ug/L  
RT: 10.603 min Scan# 1427  
Delta R.T. -0.000 min  
Lab File: VW022788.D  
Acq: 04 May 2022 09:05

Tgt Ion: 75 Resp: 154904  
Ion Ratio Lower Upper  
75 100  
77 31.6 22.0 40.8

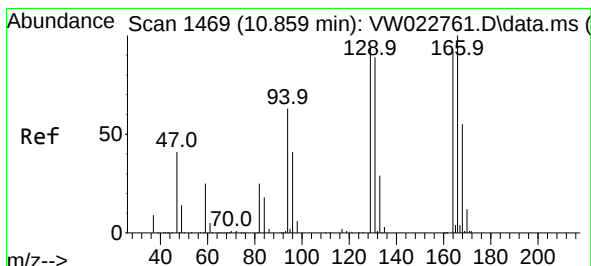
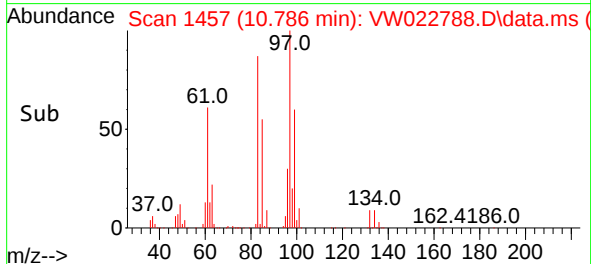
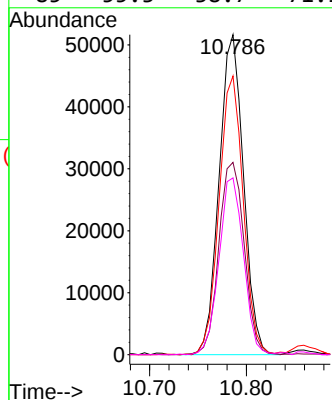
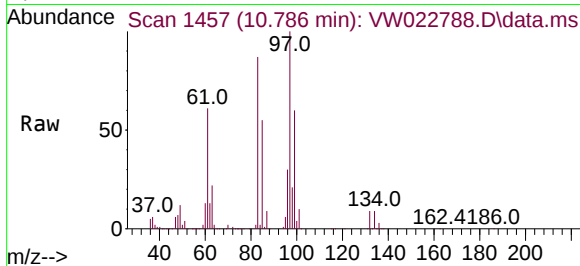




#45  
1,1,2-Trichloroethane  
Concen: 24.201 ug/L  
RT: 10.786 min Scan# 1457  
Delta R.T. -0.000 min  
Lab File: VW022788.D  
Acq: 04 May 2022 09:05

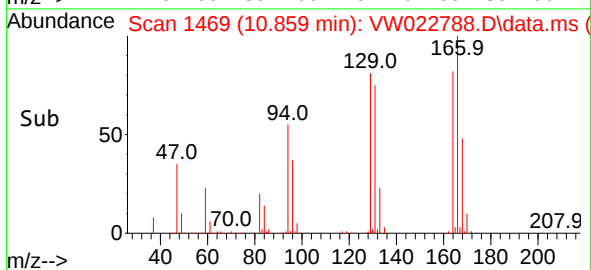
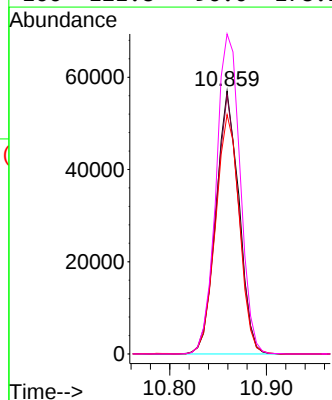
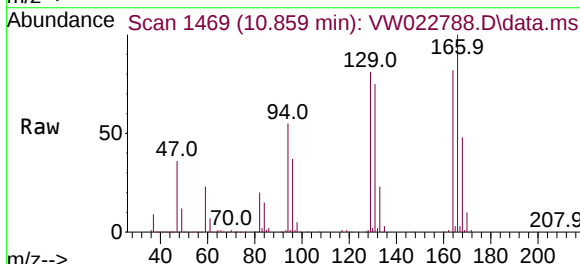
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025513

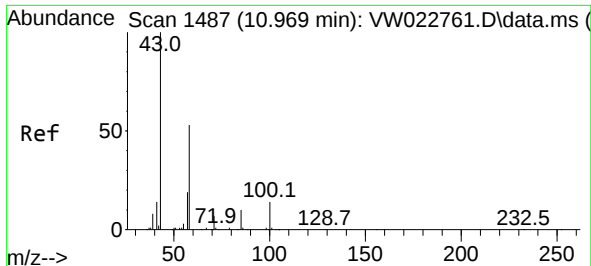
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 90404 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 60.1  | 44.7  | 82.9  |
| 83       | 87.1  | 58.4  | 108.4 |
| 85       | 55.3  | 38.7  | 71.9  |



#46  
Tetrachloroethene  
Concen: 24.613 ug/L  
RT: 10.859 min Scan# 1469  
Delta R.T. -0.000 min  
Lab File: VW022788.D  
Acq: 04 May 2022 09:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 93931 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 98.5  | 76.9  | 142.7 |
| 131      | 91.1  | 75.1  | 139.5 |
| 166      | 121.8 | 96.0  | 178.2 |

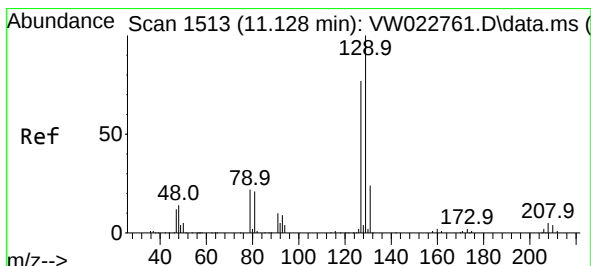
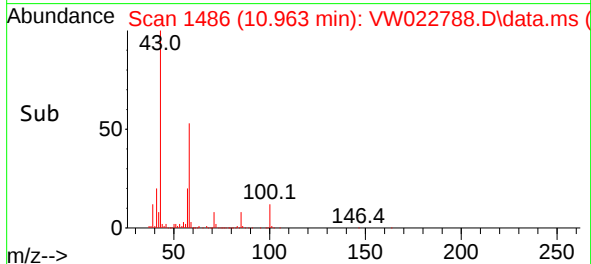
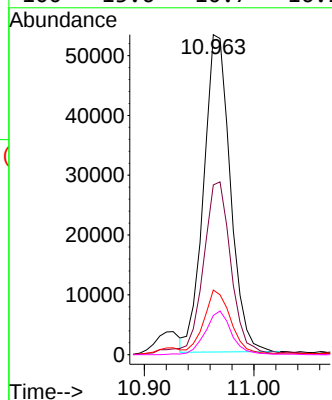
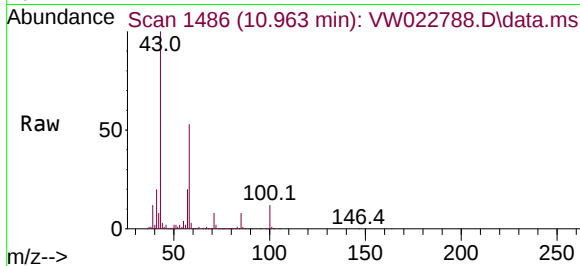




#48  
2-Hexanone  
Concen: 47.512 ug/L  
RT: 10.963 min Scan# 1486  
Delta R.T. -0.006 min  
Lab File: VW022788.D  
Acq: 04 May 2022 09:05

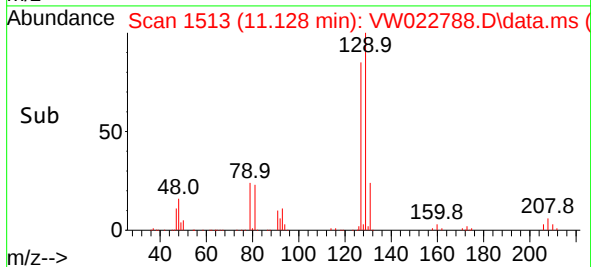
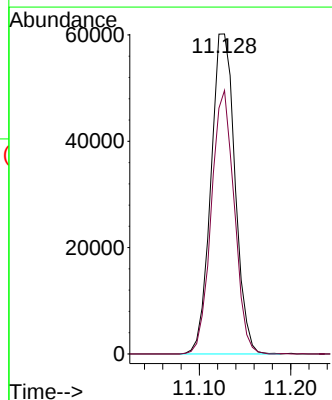
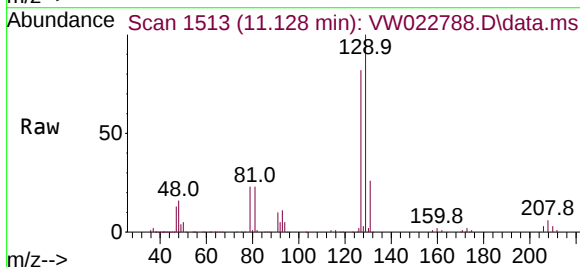
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025513

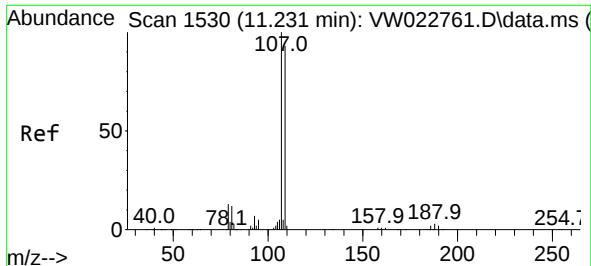
Tgt Ion: 43 Resp: 89414  
Ion Ratio Lower Upper  
43 100  
58 57.9 45.9 68.9  
57 20.7 16.2 24.2  
100 13.6 10.7 16.1



#49  
Dibromochloromethane  
Concen: 24.514 ug/L  
RT: 11.128 min Scan# 1513  
Delta R.T. -0.000 min  
Lab File: VW022788.D  
Acq: 04 May 2022 09:05

Tgt Ion: 129 Resp: 110215  
Ion Ratio Lower Upper  
129 100  
127 82.3 53.8 100.0





#50

1,2-Dibromoethane

Concen: 23.958 ug/L

RT: 11.231 min Scan# 1530

Delta R.T. -0.000 min

Lab File: VW022788.D

Acq: 04 May 2022 09:05

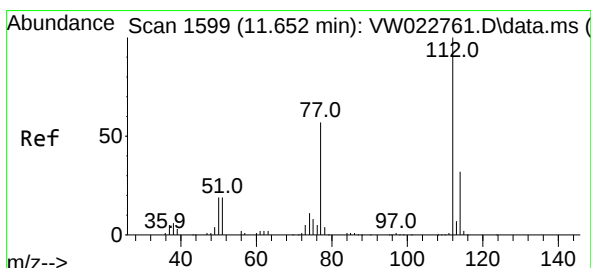
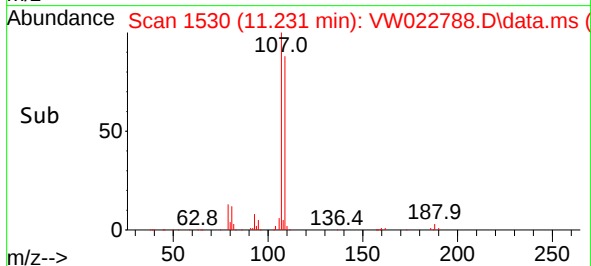
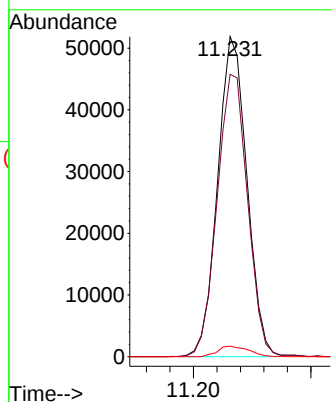
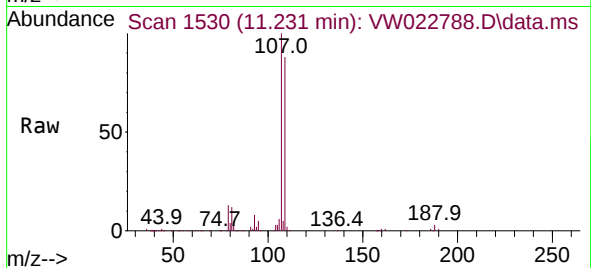
Instrument :

MSVOA\_W

ClientSampleId :

VSTD025513

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 89867 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 109      | 88.3  | 67.5  | 125.4 |
| 188      | 3.3   | 2.9   | 4.3   |



#51

Chlorobenzene

Concen: 24.766 ug/L

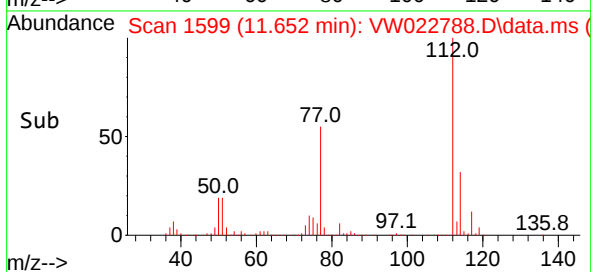
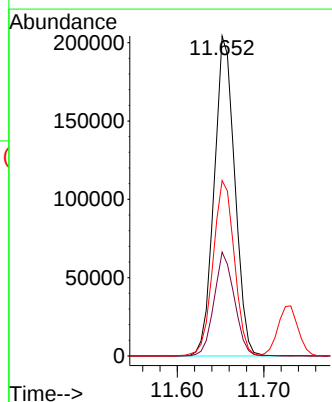
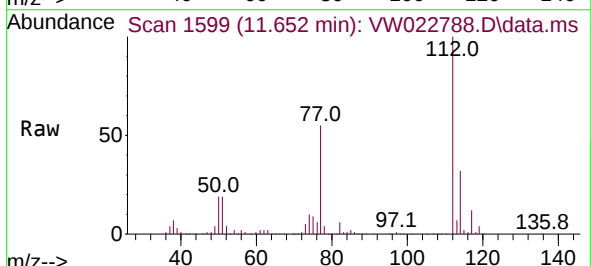
RT: 11.652 min Scan# 1599

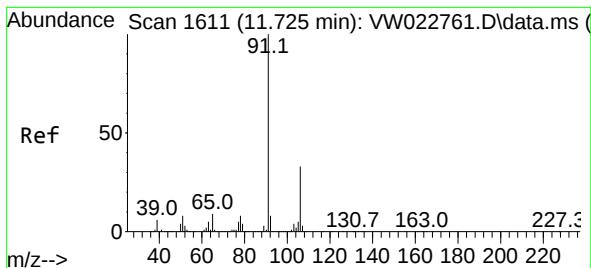
Delta R.T. -0.000 min

Lab File: VW022788.D

Acq: 04 May 2022 09:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 337887 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 114      | 32.5  | 22.0  | 41.0   |
| 77       | 54.8  | 42.6  | 63.8   |

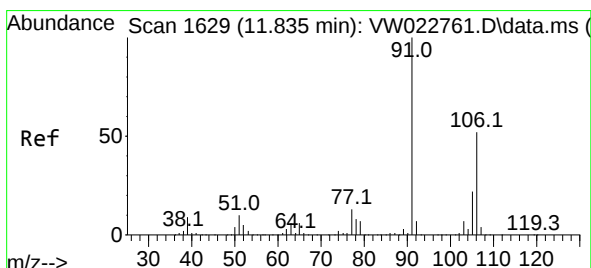
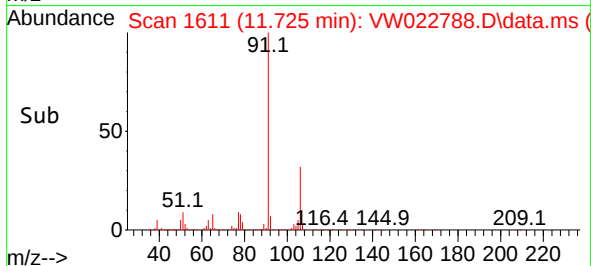
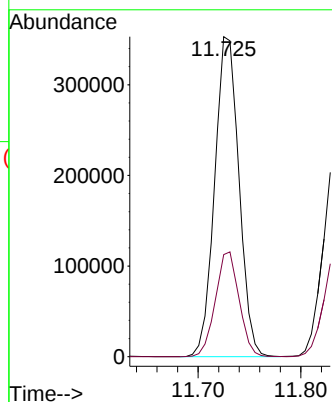
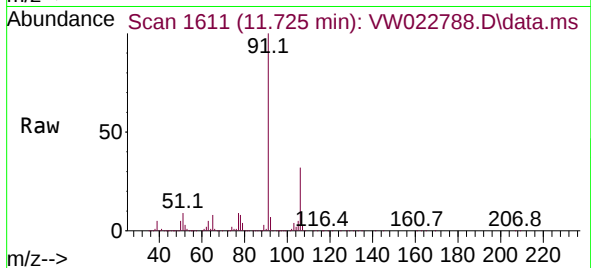




#52  
Ethylbenzene  
Concen: 25.182 ug/L  
RT: 11.725 min Scan# 1611  
Delta R.T. -0.000 min  
Lab File: VW022788.D  
Acq: 04 May 2022 09:05

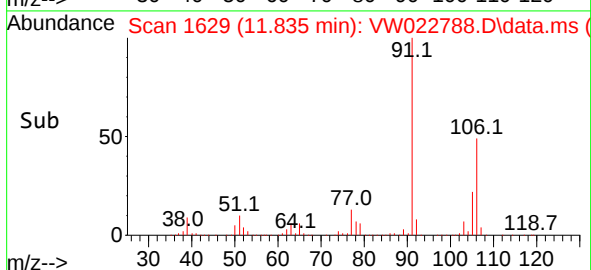
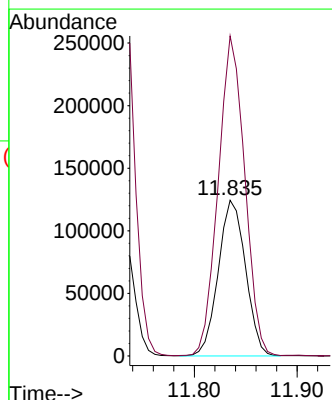
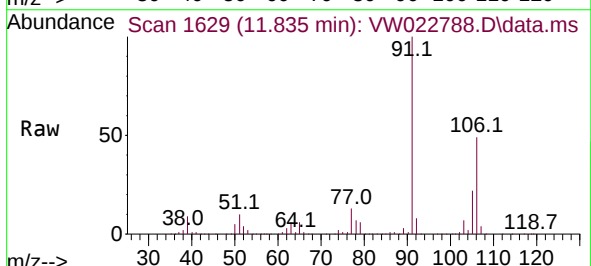
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025513

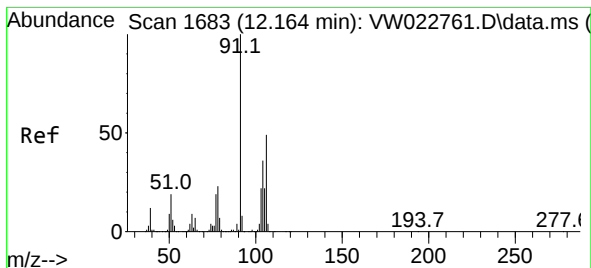
Tgt Ion: 91 Resp: 579768  
Ion Ratio Lower Upper  
91 100  
106 31.9 22.3 41.3



#53  
m,p-Xylene  
Concen: 25.303 ug/L  
RT: 11.835 min Scan# 1629  
Delta R.T. -0.000 min  
Lab File: VW022788.D  
Acq: 04 May 2022 09:05

Tgt Ion: 106 Resp: 229539  
Ion Ratio Lower Upper  
106 100  
91 205.5 136.8 254.0

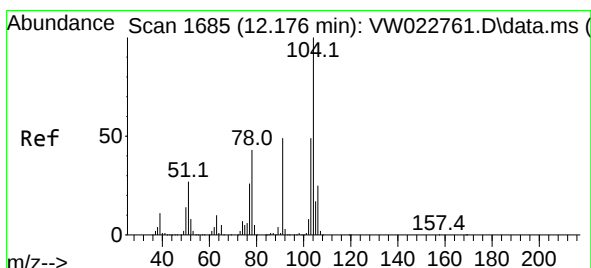
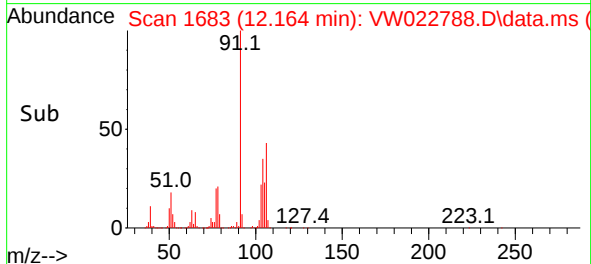
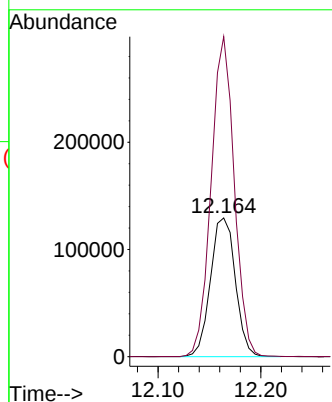
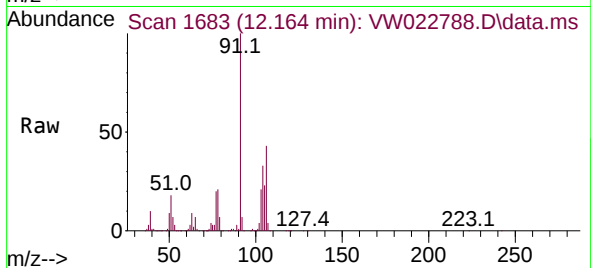




#54  
o-Xylene  
Concen: 24.995 ug/L  
RT: 12.164 min Scan# 1683  
Delta R.T. -0.000 min  
Lab File: VW022788.D  
Acq: 04 May 2022 09:05

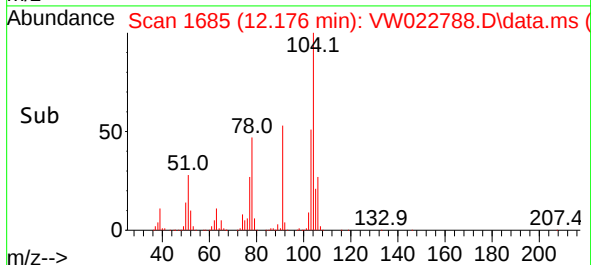
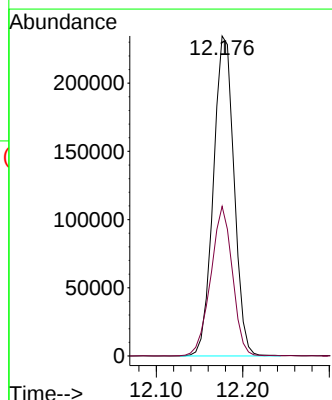
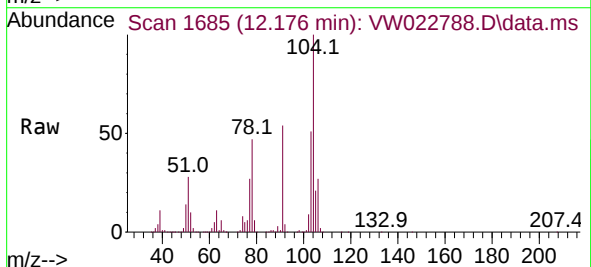
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025513

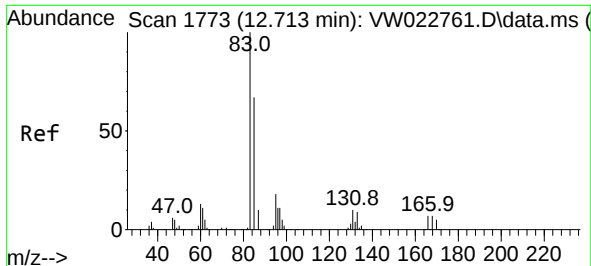
Tgt Ion:106 Resp: 217583  
Ion Ratio Lower Upper  
106 100  
91 230.6 147.2 273.4



#55  
Styrene  
Concen: 26.353 ug/L  
RT: 12.176 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VW022788.D  
Acq: 04 May 2022 09:05

Tgt Ion:104 Resp: 389817  
Ion Ratio Lower Upper  
104 100  
78 46.8 32.3 59.9





#57

1,1,2,2-Tetrachloroethane

Concen: 24.287 ug/L

RT: 12.713 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW022788.D

Acq: 04 May 2022 09:05

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025513

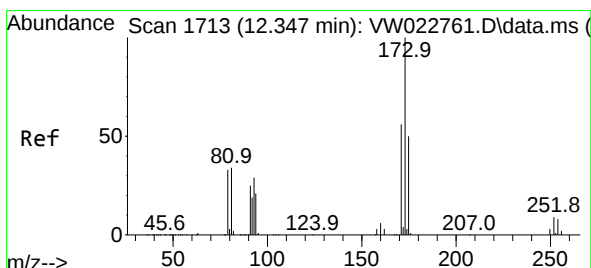
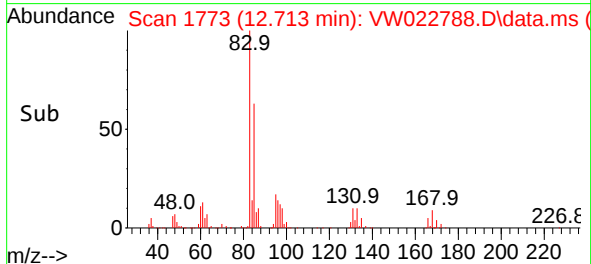
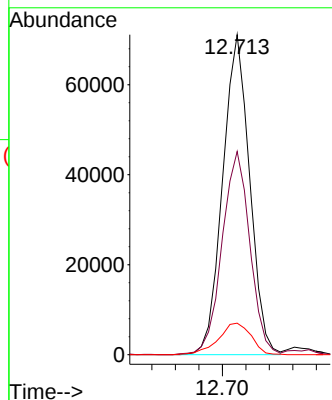
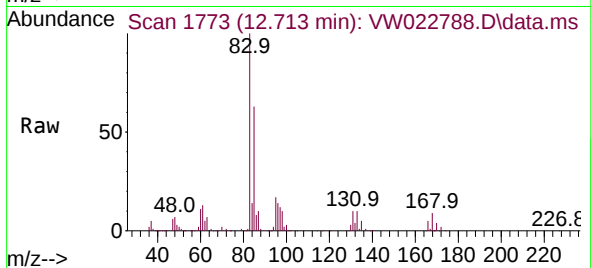
Tgt Ion: 83 Resp: 113321

Ion Ratio Lower Upper

83 100

85 63.5 47.5 88.1

131 9.9 8.7 13.1



#59

Bromoform

Concen: 23.020 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. -0.000 min

Lab File: VW022788.D

Acq: 04 May 2022 09:05

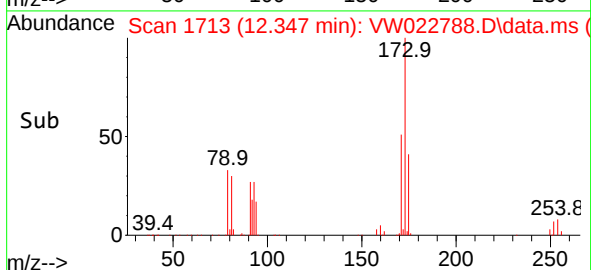
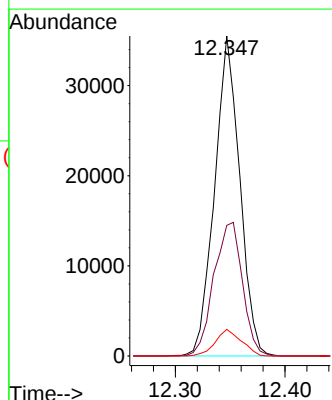
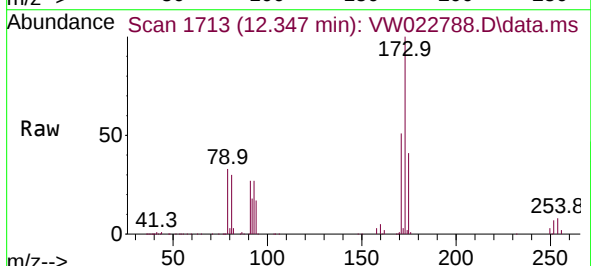
Tgt Ion:173 Resp: 56612

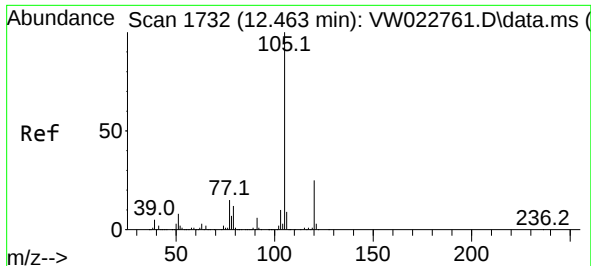
Ion Ratio Lower Upper

173 100

175 47.3 38.1 57.1

254 8.6 6.5 9.7

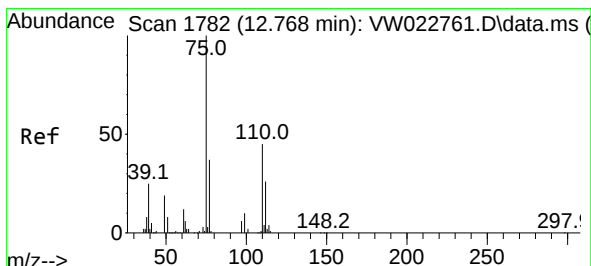
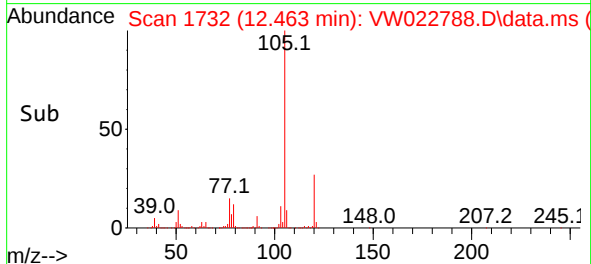
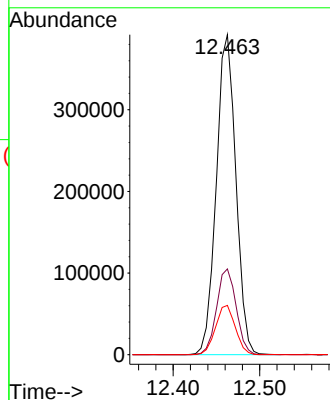
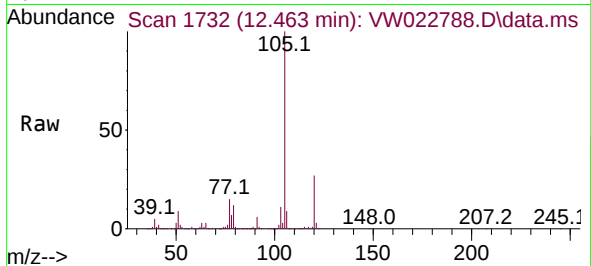




#60  
Isopropylbenzene  
Concen: 25.874 ug/L  
RT: 12.463 min Scan# 1732  
Delta R.T. -0.000 min  
Lab File: VW022788.D  
Acq: 04 May 2022 09:05

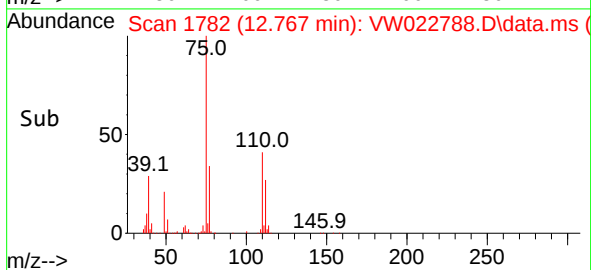
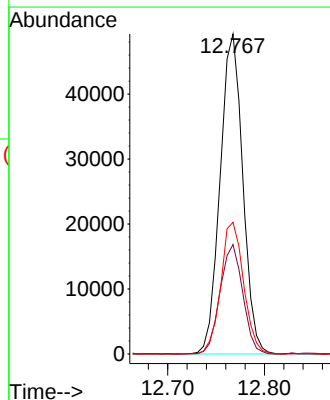
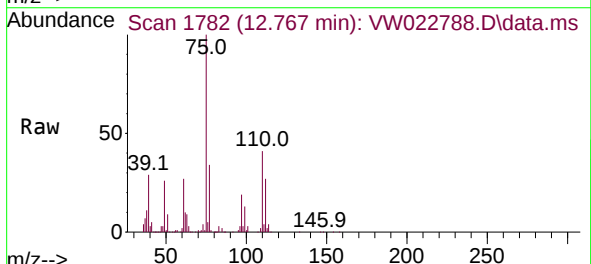
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025513

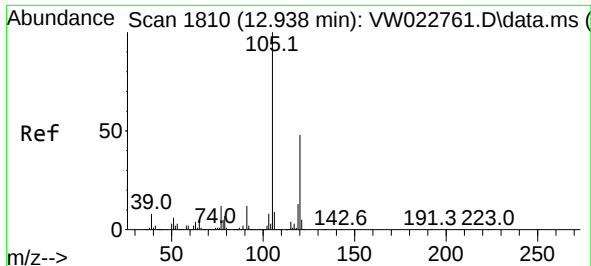
Tgt Ion:105 Resp: 615109  
Ion Ratio Lower Upper  
105 100  
120 26.9 21.3 31.9  
77 15.6 12.6 19.0



#61  
1,2,3-Trichloropropane  
Concen: 23.063 ug/L  
RT: 12.767 min Scan# 1782  
Delta R.T. -0.000 min  
Lab File: VW022788.D  
Acq: 04 May 2022 09:05

Tgt Ion: 75 Resp: 79968  
Ion Ratio Lower Upper  
75 100  
77 34.2 26.2 39.2  
110 41.6 34.1 51.1

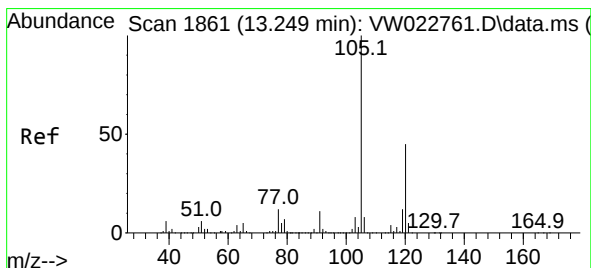
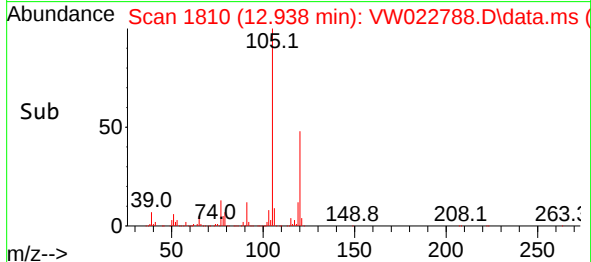
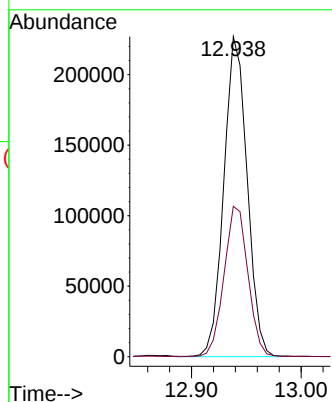
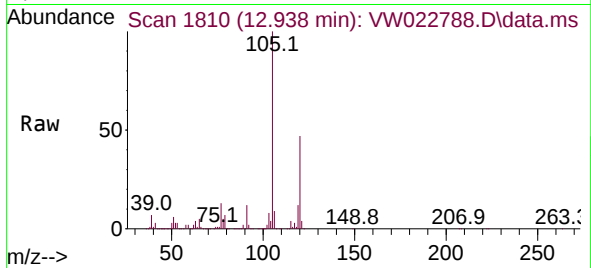




#62  
 1,3,5-Trimethylbenzene  
 Concen: 25.381 ug/L  
 RT: 12.938 min Scan# 1810  
 Delta R.T. -0.000 min  
 Lab File: VW022788.D  
 Acq: 04 May 2022 09:05

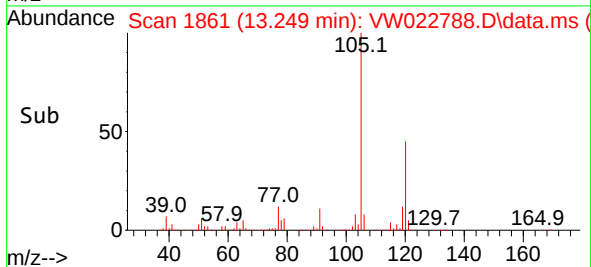
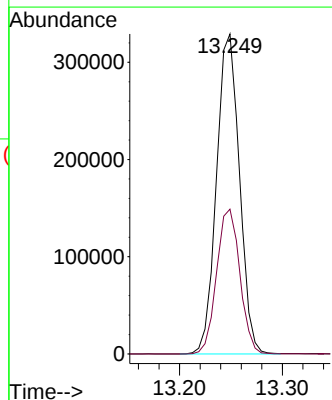
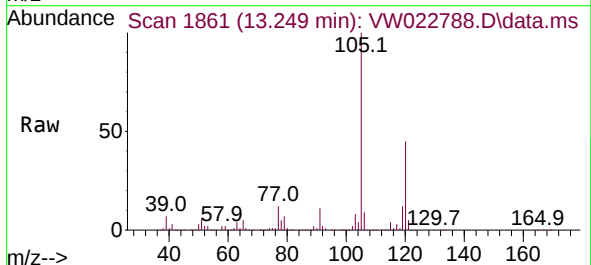
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025513

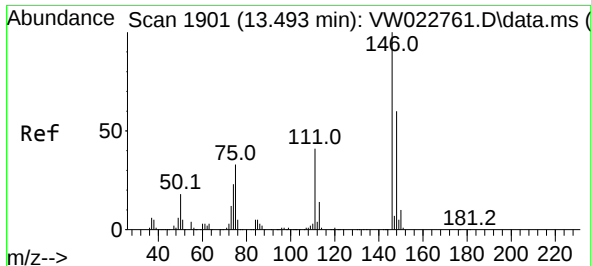
Tgt Ion:105 Resp: 335691  
 Ion Ratio Lower Upper  
 105 100  
 120 48.3 38.9 58.3



#63  
 1,2,4-Trimethylbenzene  
 Concen: 25.660 ug/L  
 RT: 13.249 min Scan# 1861  
 Delta R.T. -0.000 min  
 Lab File: VW022788.D  
 Acq: 04 May 2022 09:05

Tgt Ion:105 Resp: 509588  
 Ion Ratio Lower Upper  
 105 100  
 120 45.8 37.4 56.2

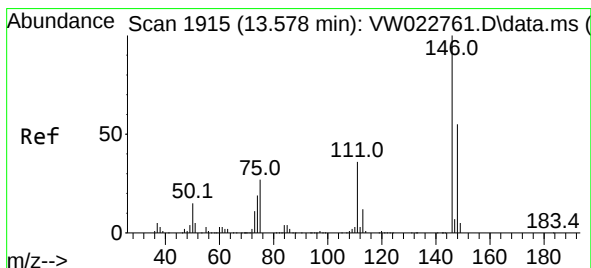
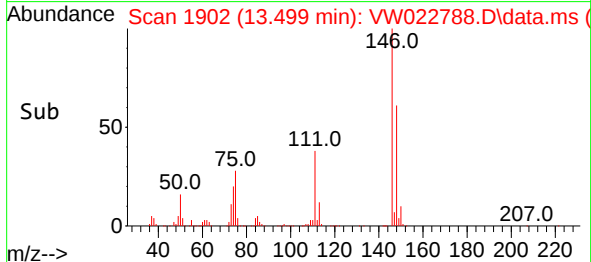
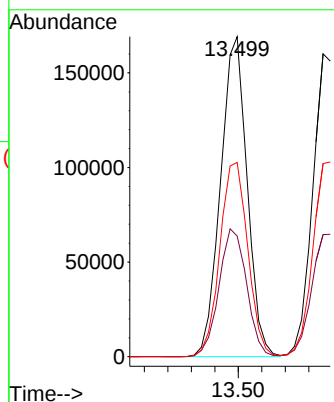
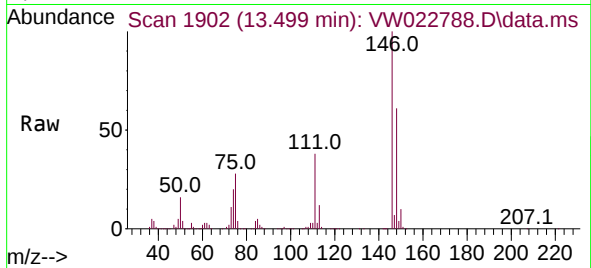




#64  
1,3-Dichlorobenzene  
Concen: 25.050 ug/L  
RT: 13.499 min Scan# 1902  
Delta R.T. 0.006 min  
Lab File: VW022788.D  
Acq: 04 May 2022 09:05

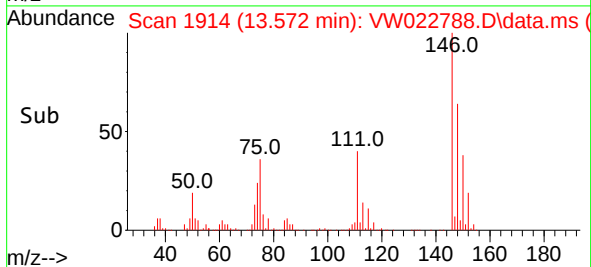
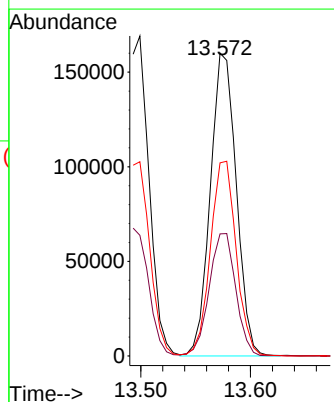
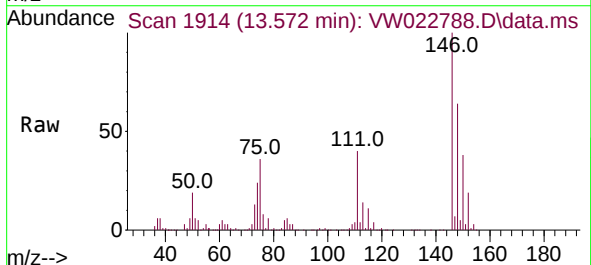
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025513

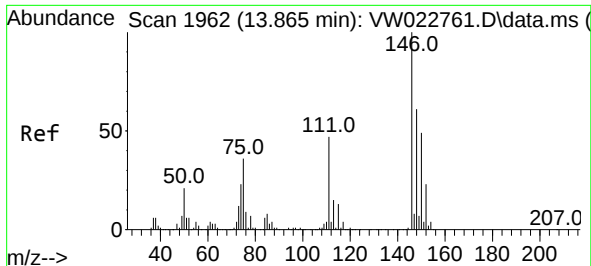
Tgt Ion:146 Resp: 265880  
Ion Ratio Lower Upper  
146 100  
111 37.7 29.5 54.9  
148 60.7 48.6 90.2



#65  
1,4-Dichlorobenzene  
Concen: 24.054 ug/L  
RT: 13.572 min Scan# 1914  
Delta R.T. -0.006 min  
Lab File: VW022788.D  
Acq: 04 May 2022 09:05

Tgt Ion:146 Resp: 263711  
Ion Ratio Lower Upper  
146 100  
111 40.3 27.2 50.4  
148 63.7 44.0 81.6





#67

1,2-Dichlorobenzene

Concen: 24.184 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VW022788.D

Acq: 04 May 2022 09:05

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025513

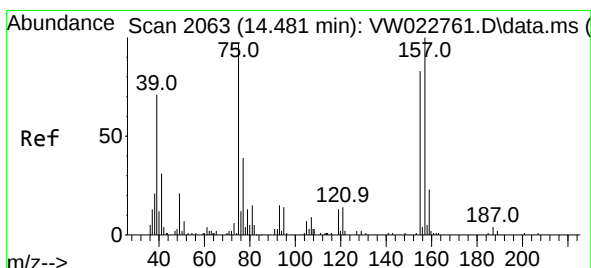
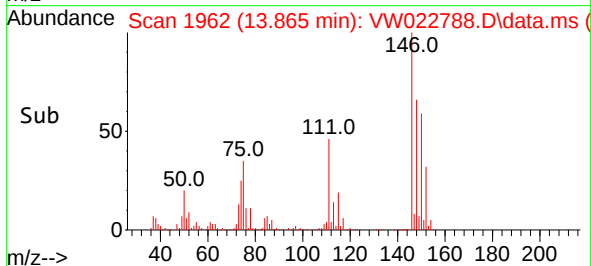
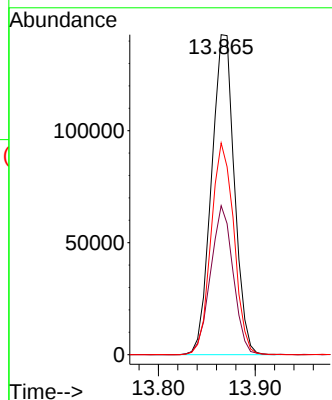
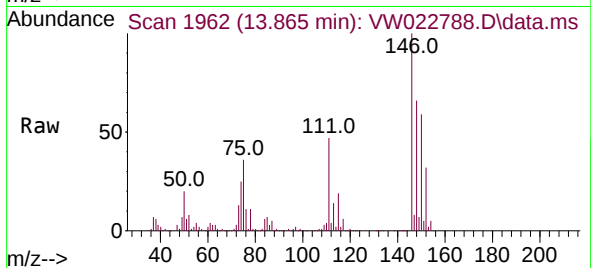
Tgt Ion:146 Resp: 234896

Ion Ratio Lower Upper

146 100

111 46.6 35.7 53.5

148 66.1 52.6 79.0



#68

1,2-Dibromo-3-chloropropane

Concen: 22.559 ug/L

RT: 14.487 min Scan# 2064

Delta R.T. 0.006 min

Lab File: VW022788.D

Acq: 04 May 2022 09:05

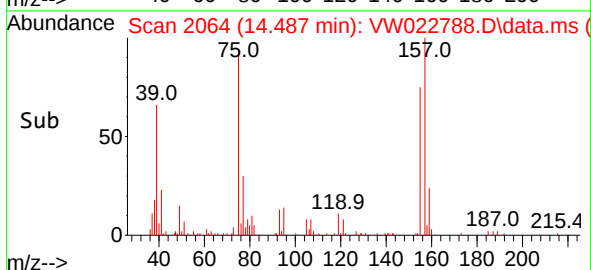
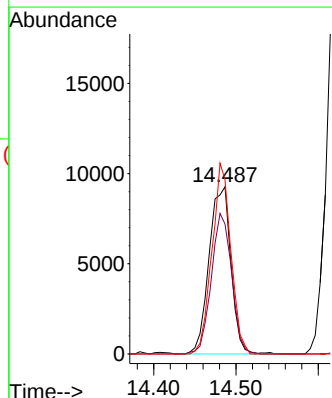
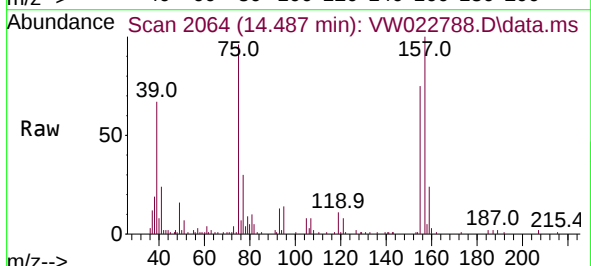
Tgt Ion: 75 Resp: 17095

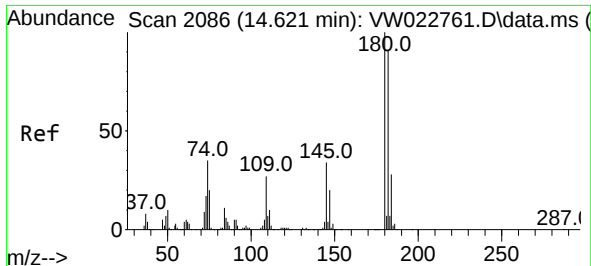
Ion Ratio Lower Upper

75 100

155 77.7 59.3 88.9

157 104.2 89.8 134.8





#69

1,3,5-Trichlorobenzene

Concen: 24.531 ug/L

RT: 14.627 min Scan# 2086

Delta R.T. 0.006 min

Lab File: VW022788.D

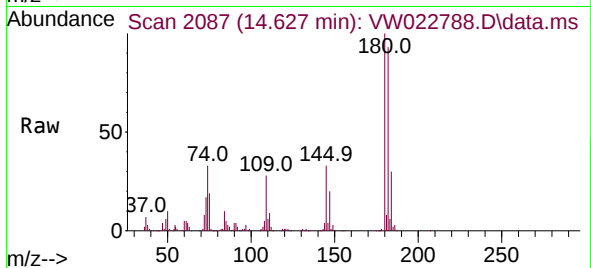
Acq: 04 May 2022 09:05

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025513



Tgt Ion:180 Resp: 172838

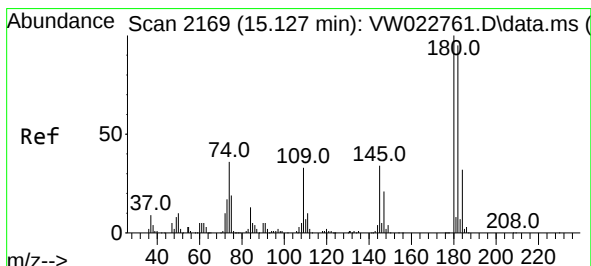
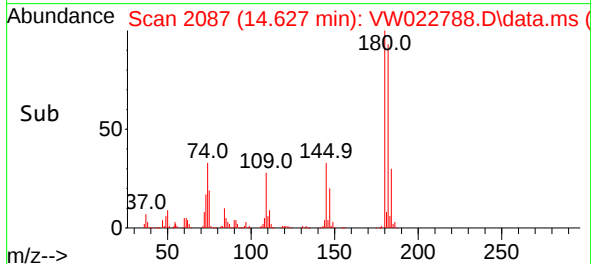
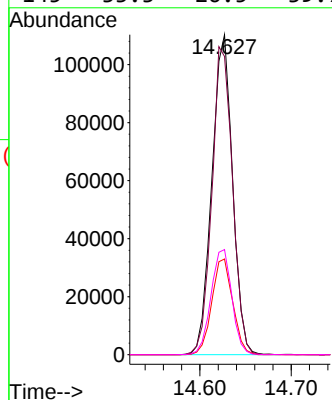
Ion Ratio Lower Upper

180 100

182 96.1 74.8 112.2

184 30.4 23.4 35.2

145 33.3 26.5 39.7



#70

1,2,4-trichlorobenzene

Concen: 24.546 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. -0.000 min

Lab File: VW022788.D

Acq: 04 May 2022 09:05

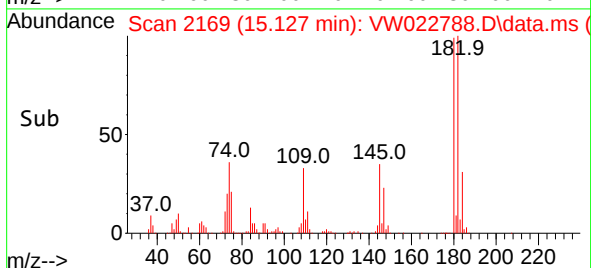
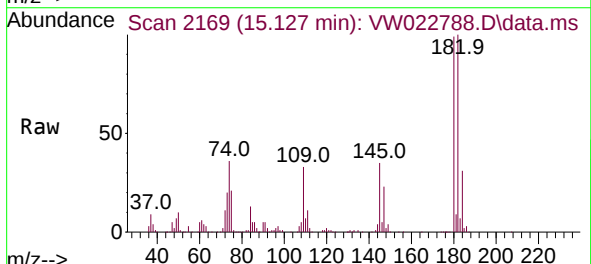
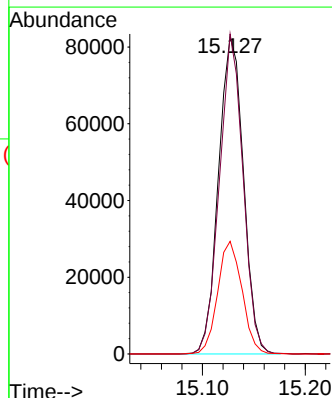
Tgt Ion:180 Resp: 139116

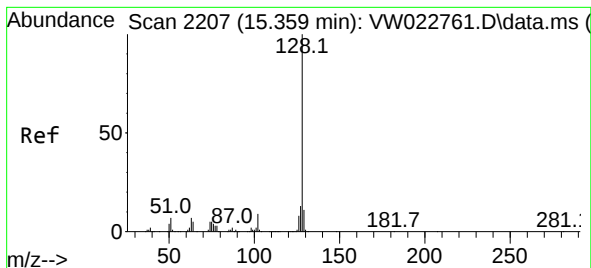
Ion Ratio Lower Upper

180 100

182 95.1 74.9 112.3

145 34.7 26.6 39.8





#71

Naphthalene

Concen: 24.463 ug/L

RT: 15.358 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW022788.D

Acq: 04 May 2022 09:05

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025513

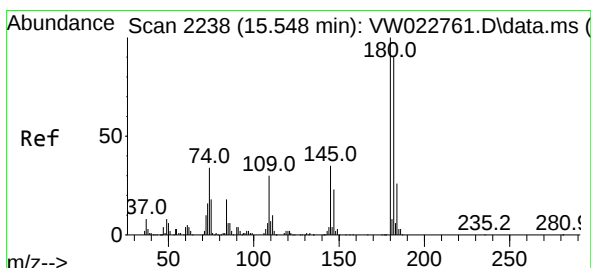
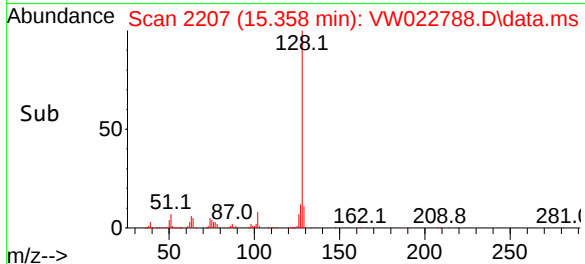
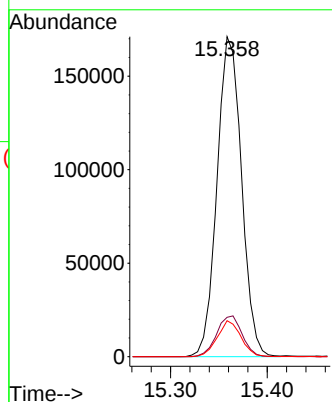
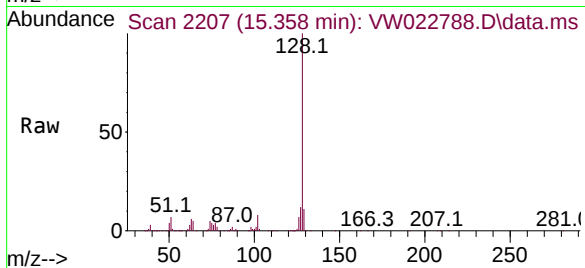
Tgt Ion:128 Resp: 301338

Ion Ratio Lower Upper

128 100

127 13.2 10.6 16.0

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 23.288 ug/L

RT: 15.547 min Scan# 2238

Delta R.T. -0.000 min

Lab File: VW022788.D

Acq: 04 May 2022 09:05

Tgt Ion:180 Resp: 116978

Ion Ratio Lower Upper

180 100

182 93.4 73.5 110.3

145 34.5 27.9 41.9

