

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW011522\  
 Data File : VW021922.D  
 Acq On : 14 Jan 2022 22:06  
 Operator : SY/VA  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025538

Quant Time: Jan 17 03:15:26 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM011122SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Mon Jan 17 00:44:09 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 143592   | 25.000   | ug/L  | # 0.00   |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 146133   | 25.000   | ug/L  | # 0.00   |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 86983    | 25.000   | ug/L  | 0.00     |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 2.349  | 65    | 55837    | 20.921   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 83.680%  |
| 7) Chloroethane-d5            | 2.879  | 69    | 47330    | 19.639   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 78.560%  |
| 11) 1,1-Dichloroethene-d2     | 4.019  | 63    | 85947    | 20.398   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =     | 81.600%  |
| 21) 2-Butanone-d5             | 7.080  | 46    | 24236    | 64.337   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 128.680% |
| 24) Chloroform-d              | 7.647  | 84    | 109714   | 23.651   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =     | 94.600%  |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 55907    | 24.957   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =     | 99.840%  |
| 32) Benzene-d6                | 8.275  | 84    | 212507   | 22.411   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =     | 89.640%  |
| 36) 1,2-Dichloropropane-d6    | 9.275  | 67    | 57945    | 23.185   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =     | 92.720%  |
| 41) Toluene-d8                | 10.323 | 98    | 212457   | 22.226   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =     | 88.920%  |
| 43) trans-1,3-Dichloroprop... | 10.573 | 79    | 26048    | 24.548   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =     | 98.200%  |
| 47) 2-Hexanone-d5             | 10.921 | 63    | 22662    | 66.824   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 133.640% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.689 | 84    | 53892    | 27.576   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =     | 110.320% |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 84385    | 23.594   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =     | 94.360%  |
| Target Compounds              |        |       |          |          |       |          |
|                               |        |       |          |          |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.008  | 85    | 20148    | 35.592   | ug/L  | 94       |
| 3) Chloromethane              | 2.209  | 50    | 41868    | 20.399   | ug/L  | 100      |
| 5) Vinyl chloride             | 2.355  | 62    | 59861    | 20.303   | ug/L  | 98       |
| 6) Bromomethane               | 2.776  | 94    | 51577    | 24.740   | ug/L  | 97       |
| 8) Chloroethane               | 2.916  | 64    | 33885    | 19.016   | ug/L  | 100      |
| 9) Trichlorofluoromethane     | 3.251  | 101   | 37511    | 17.120   | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.062  | 101   | 51512    | 21.599   | ug/L  | 92       |
| 12) 1,1-Dichloroethene        | 4.038  | 96    | 45302    | 21.137   | ug/L  | 77       |
| 13) Acetone                   | 4.147  | 43    | 14530    | 46.687   | ug/L  | 88       |
| 14) Carbon disulfide          | 4.379  | 76    | 114008   | 20.317   | ug/L  | 98       |
| 15) Methyl Acetate            | 4.678  | 43    | 16680    | 26.517   | ug/L  | # 85     |
| 16) Methylene chloride        | 4.916  | 84    | 46479    | 18.914   | ug/L  | 78       |
| 17) trans-1,2-Dichloroethene  | 5.422  | 96    | 51374    | 22.182   | ug/L  | 78       |
| 18) Methyl tert-butyl Ether   | 5.422  | 73    | 73817    | 24.994   | ug/L  | # 91     |
| 19) 1,1-Dichloroethane        | 6.214  | 63    | 79994    | 23.552   | ug/L  | 98       |
| 20) cis-1,2-Dichloroethene    | 7.171  | 96    | 55789    | 23.416   | ug/L  | 65       |
| 22) 2-Butanone                | 7.177  | 43    | 23075    | 58.005   | ug/L  | 78       |
| 23) Bromochloromethane        | 7.513  | 128   | 27824    | 23.471   | ug/L  | # 58     |
| 25) Chloroform                | 7.677  | 83    | 93440    | 23.251   | ug/L  | 100      |

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 Sample : VSTDCCC025  
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 ALS Vial : 1 Sample Multiplier: 1

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 ClientSampleId :  
 VSTD025538

Quant Time: Jan 17 03:15:26 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM011122SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Mon Jan 17 00:44:09 2022  
 Response via : Initial Calibration

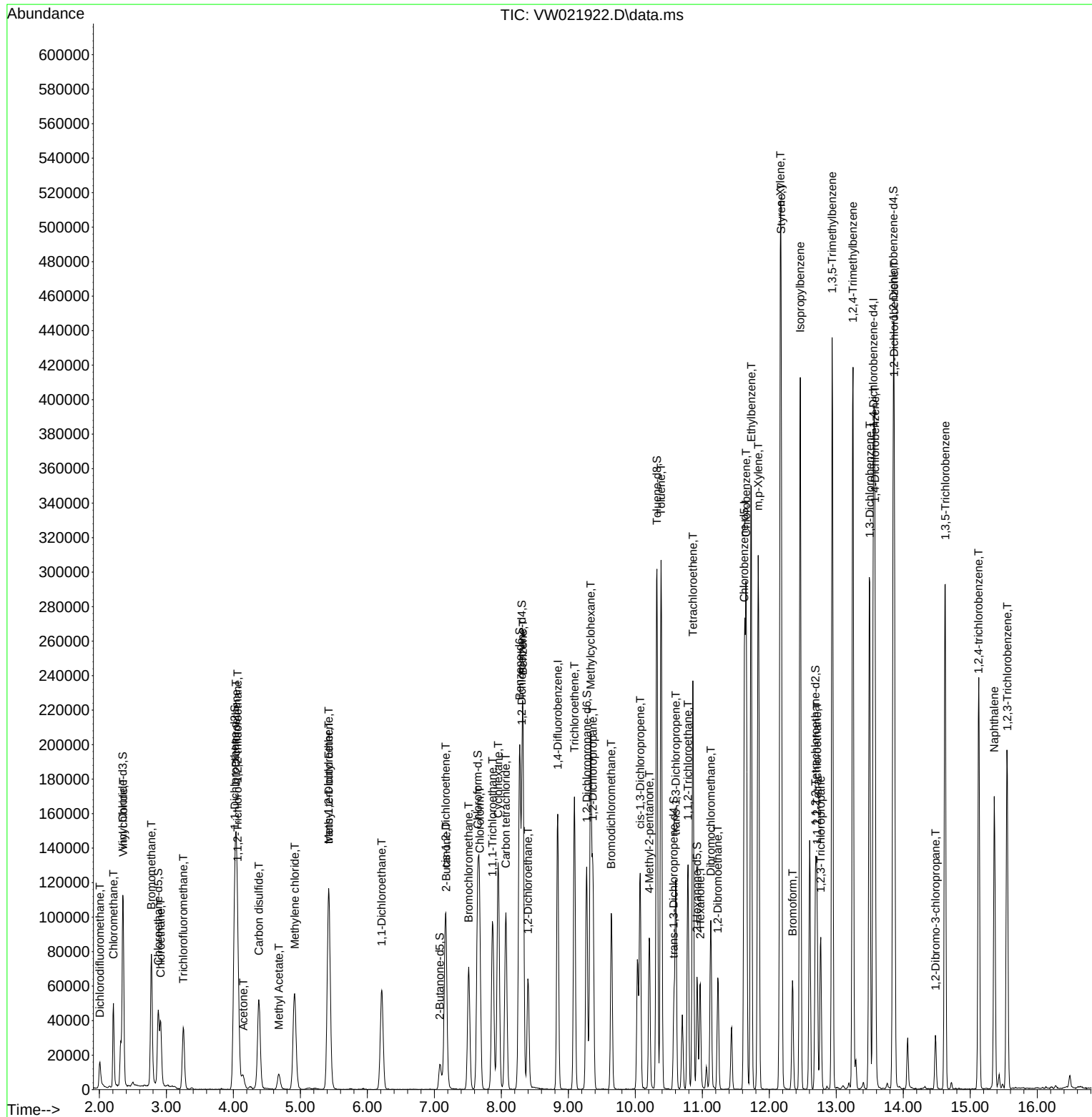
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.397  | 62   | 56497    | 24.277 | ug/L # | 93       |
| 29) Cyclohexane               | 7.952  | 56   | 70735    | 21.637 | ug/L # | 76       |
| 30) 1,1,1-Trichloroethane     | 7.866  | 97   | 82472    | 21.773 | ug/L # | 92       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 78814    | 21.472 | ug/L   | 99       |
| 33) Benzene                   | 8.324  | 78   | 197628   | 22.055 | ug/L   | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 56069    | 21.568 | ug/L   | 84       |
| 35) Methylcyclohexane         | 9.336  | 83   | 91736    | 21.458 | ug/L # | 81       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 45448    | 23.282 | ug/L # | 94       |
| 38) Bromodichloromethane      | 9.640  | 83   | 65359    | 23.984 | ug/L # | 96       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 73395    | 24.197 | ug/L   | 94       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 53505    | 58.347 | ug/L # | 85       |
| 42) Toluene                   | 10.384 | 91   | 229446   | 22.831 | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 10.604 | 75   | 66224    | 26.085 | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 41355    | 24.952 | ug/L   | 93       |
| 46) Tetrachloroethene         | 10.860 | 164  | 53220    | 20.702 | ug/L   | 94       |
| 48) 2-Hexanone                | 10.969 | 43   | 36683    | 58.466 | ug/L # | 87       |
| 49) Dibromochloromethane      | 11.128 | 129  | 51631    | 24.723 | ug/L   | 95       |
| 50) 1,2-Dibromoethane         | 11.232 | 107  | 42050    | 25.560 | ug/L # | 98       |
| 51) Chlorobenzene             | 11.652 | 112  | 160626   | 22.636 | ug/L # | 88       |
| 52) Ethylbenzene              | 11.731 | 91   | 254693   | 22.813 | ug/L   | 98       |
| 53) m,p-Xylene                | 11.835 | 106  | 108567   | 23.256 | ug/L   | 84       |
| 54) o-Xylene                  | 12.164 | 106  | 102066   | 23.550 | ug/L   | 78       |
| 55) Styrene                   | 12.176 | 104  | 171272   | 23.937 | ug/L   | 89       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 47377    | 26.568 | ug/L # | 97       |
| 59) Bromoform                 | 12.347 | 173  | 30200    | 25.465 | ug/L # | 96       |
| 60) Isopropylbenzene          | 12.463 | 105  | 276002   | 23.301 | ug/L   | 93       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 34176    | 27.493 | ug/L # | 90       |
| 62) 1,3,5-Trimethylbenzene    | 12.939 | 105  | 228848   | 23.331 | ug/L   | 90       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 231971   | 23.979 | ug/L   | 92       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 136117   | 22.856 | ug/L   | 95       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146  | 137017   | 23.302 | ug/L   | 91       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 122179   | 23.432 | ug/L   | 93       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 6699     | 27.907 | ug/L # | 55       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 99405    | 22.458 | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.121 | 180  | 80401    | 22.797 | ug/L   | 95       |
| 71) Naphthalene               | 15.359 | 128  | 148154   | 27.232 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 69289    | 23.790 | ug/L   | 97       |

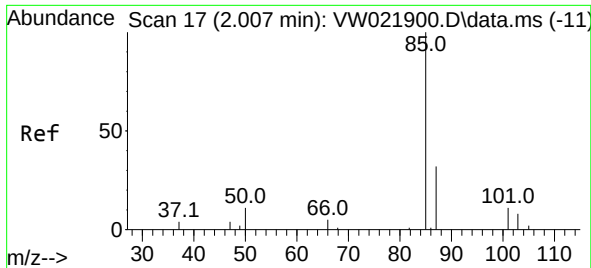
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0  
QLast Update : Mon Jan 17 00:44:09 2022  
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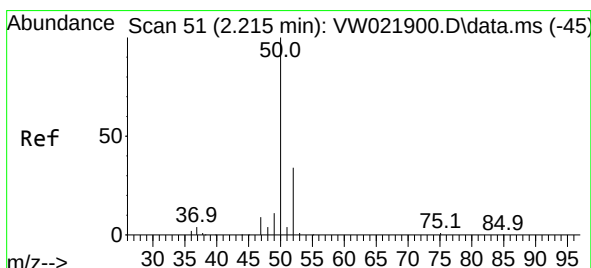
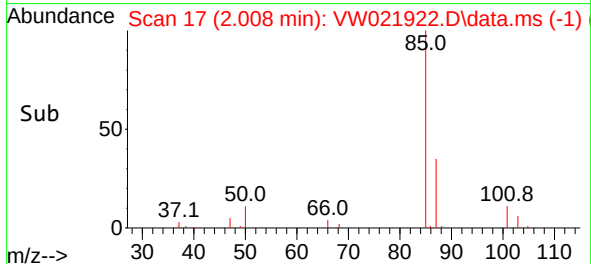
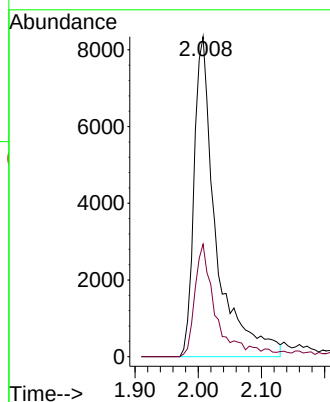
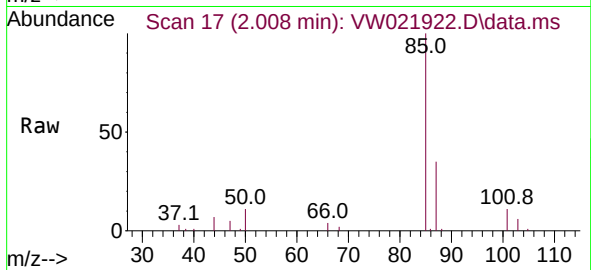




#2  
 Dichlorodifluoromethane  
 Concen: 35.592 ug/L  
 RT: 2.008 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VW021922.D  
 Acq: 14 Jan 2022 22:06

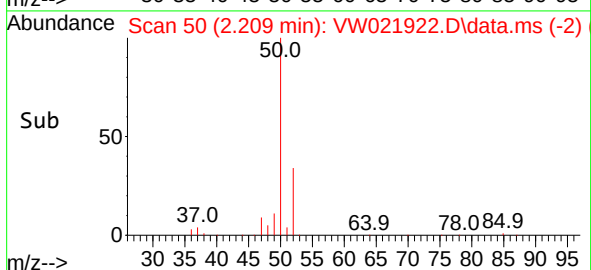
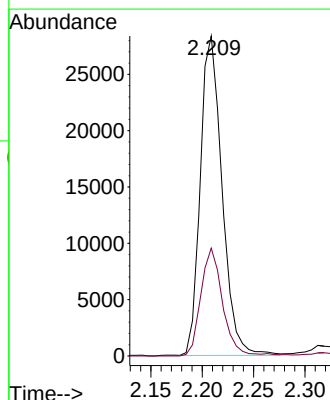
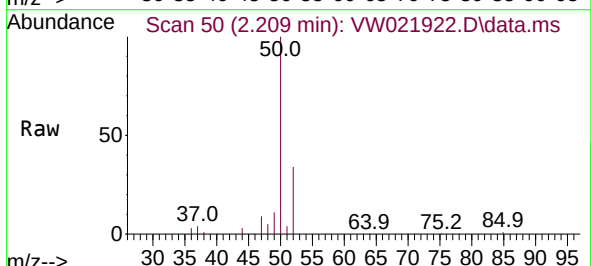
Instrument :  
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 ClientSampleId :  
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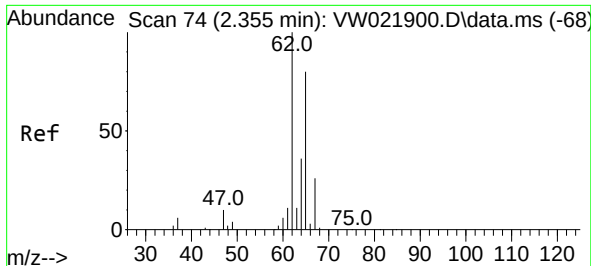
Tgt Ion: 85 Resp: 20148  
 Ion Ratio Lower Upper  
 85 100  
 87 29.1 25.8 38.6



#3  
 Chloromethane  
 Concen: 20.399 ug/L  
 RT: 2.209 min Scan# 50  
 Delta R.T. -0.006 min  
 Lab File: VW021922.D  
 Acq: 14 Jan 2022 22:06

Tgt Ion: 50 Resp: 41868  
 Ion Ratio Lower Upper  
 50 100  
 52 33.7 23.4 43.6

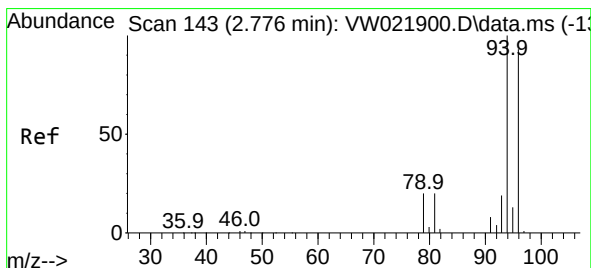
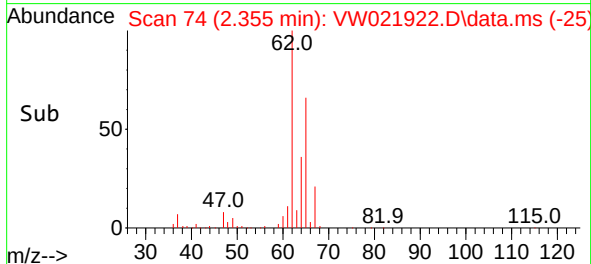
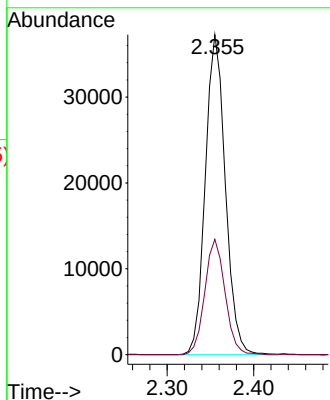
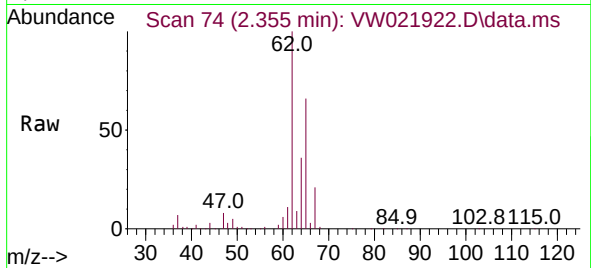




#5  
 Vinyl chloride  
 Concen: 20.303 ug/L  
 RT: 2.355 min Scan# 74  
 Delta R.T. 0.000 min  
 Lab File: VW021922.D  
 Acq: 14 Jan 2022 22:06

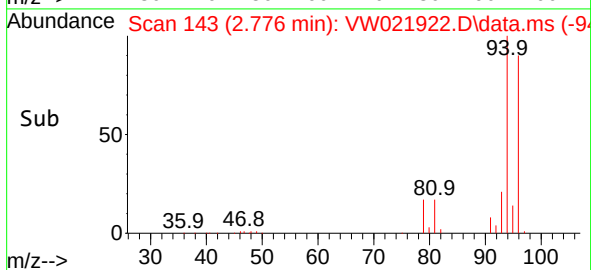
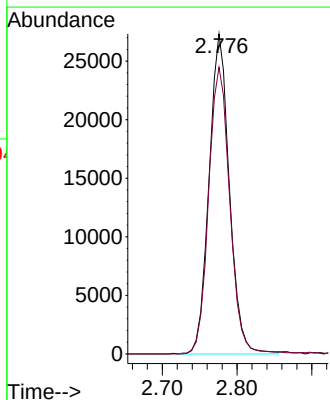
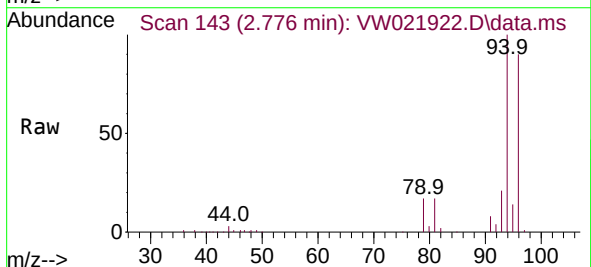
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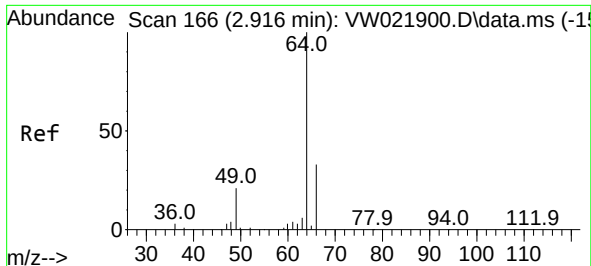
Tgt Ion: 62 Resp: 59861  
 Ion Ratio Lower Upper  
 62 100  
 64 36.0 24.4 45.2



#6  
 Bromomethane  
 Concen: 24.740 ug/L  
 RT: 2.776 min Scan# 143  
 Delta R.T. 0.000 min  
 Lab File: VW021922.D  
 Acq: 14 Jan 2022 22:06

Tgt Ion: 94 Resp: 51577  
 Ion Ratio Lower Upper  
 94 100  
 96 89.6 64.8 120.4

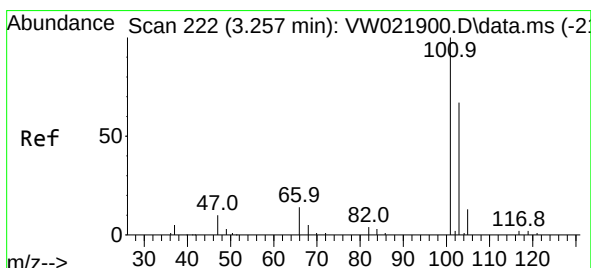
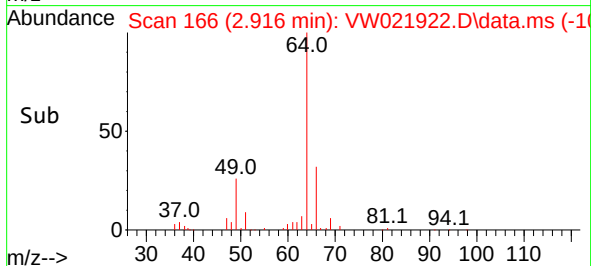
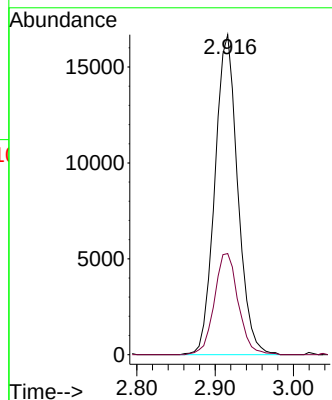
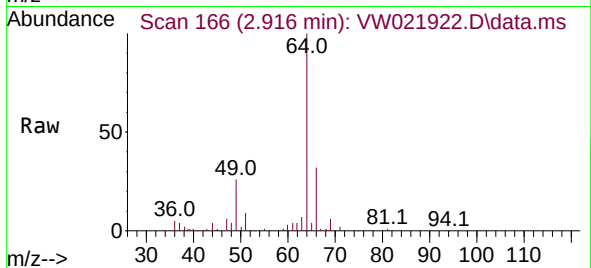




#8  
Chloroethane  
Concen: 19.016 ug/L  
RT: 2.916 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VW021922.D  
Acq: 14 Jan 2022 22:06

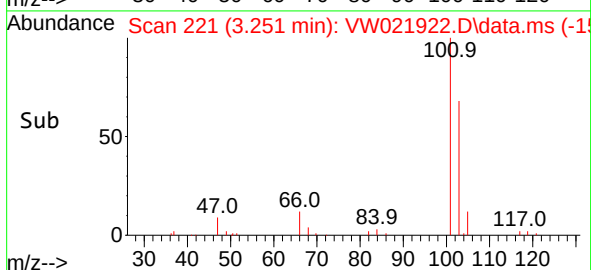
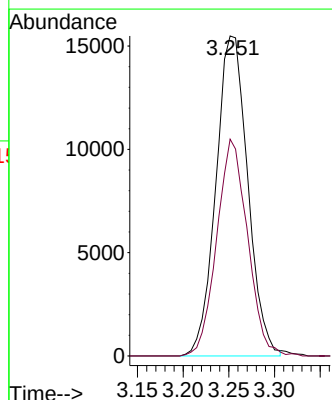
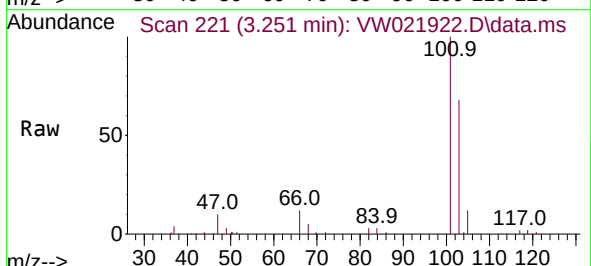
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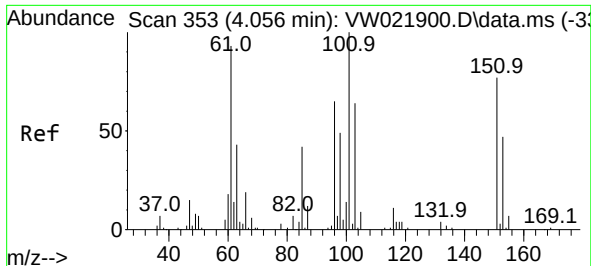
Tgt Ion: 64 Resp: 33885  
Ion Ratio Lower Upper  
64 100  
66 31.6 22.0 40.8



#9  
Trichlorofluoromethane  
Concen: 17.120 ug/L  
RT: 3.251 min Scan# 221  
Delta R.T. -0.006 min  
Lab File: VW021922.D  
Acq: 14 Jan 2022 22:06

Tgt Ion: 101 Resp: 37511  
Ion Ratio Lower Upper  
101 100  
103 65.5 51.4 77.2

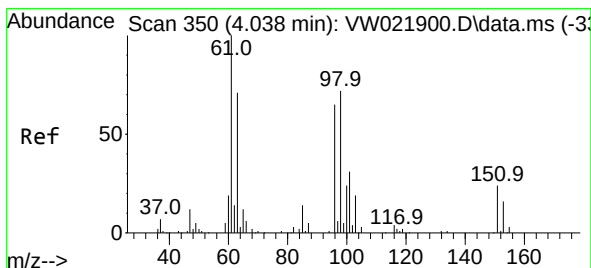
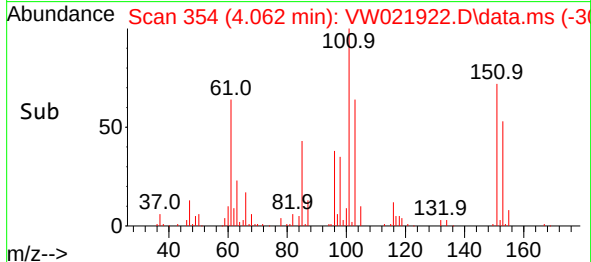
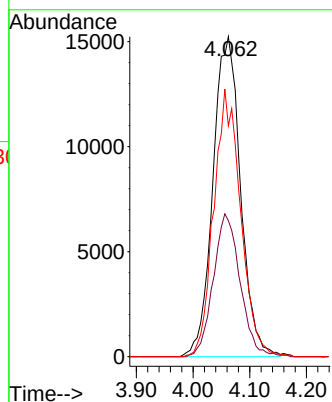
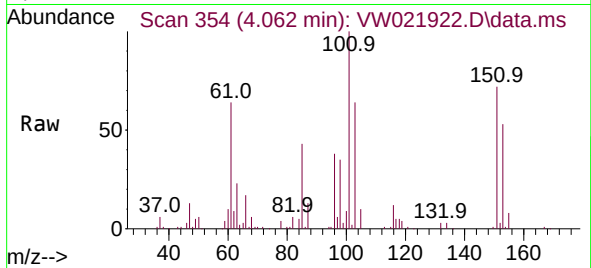




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 21.599 ug/L  
 RT: 4.062 min Scan# 353  
 Delta R.T. 0.006 min  
 Lab File: VW021922.D  
 Acq: 14 Jan 2022 22:06

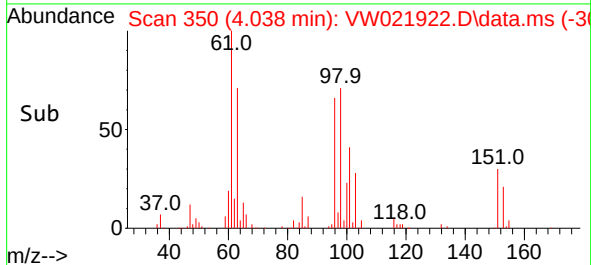
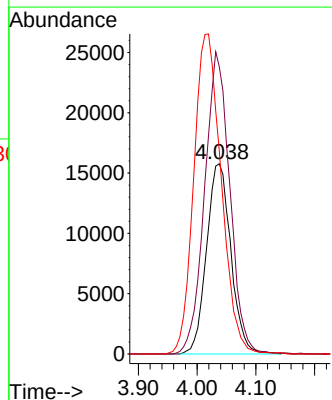
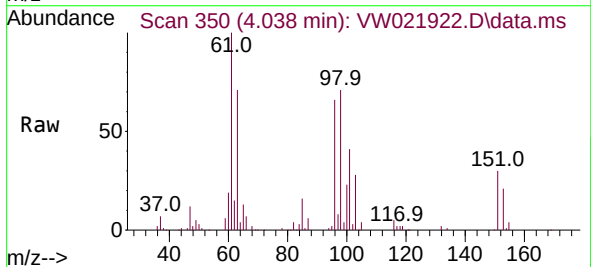
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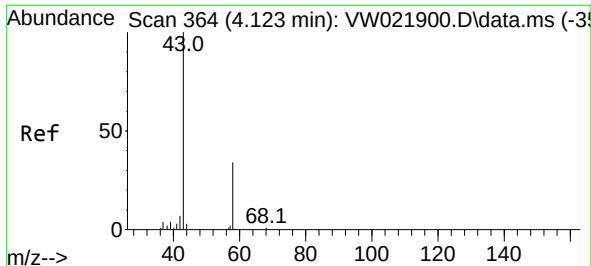
Tgt Ion:101 Resp: 51512  
 Ion Ratio Lower Upper  
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 85 43.2 36.6 54.8  
 151 81.2 57.4 86.0



#12  
 1,1-Dichloroethene  
 Concen: 21.137 ug/L  
 RT: 4.038 min Scan# 350  
 Delta R.T. 0.000 min  
 Lab File: VW021922.D  
 Acq: 14 Jan 2022 22:06

Tgt Ion: 96 Resp: 45302  
 Ion Ratio Lower Upper  
 96 100  
 61 151.1 138.3 256.9  
 63 107.0 82.6 153.4





#13

Acetone

Concen: 46.687 ug/L

RT: 4.147 min Scan# 3

Delta R.T. 0.025 min

Lab File: VW021922.D

Acq: 14 Jan 2022 22:06

Instrument :

MSVOA\_W

ClientSampleId :

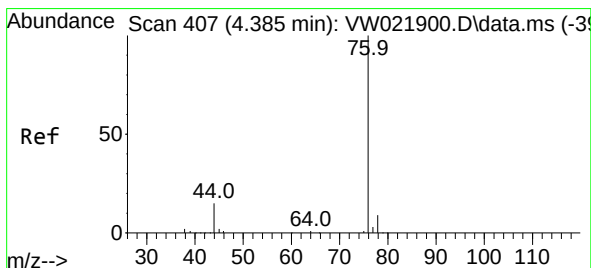
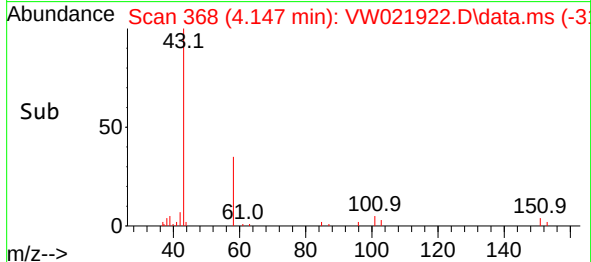
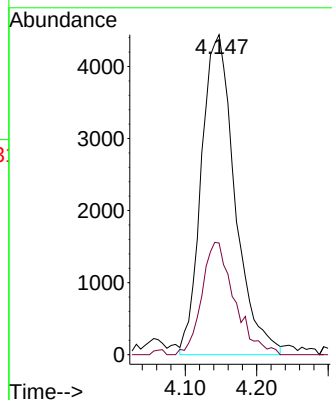
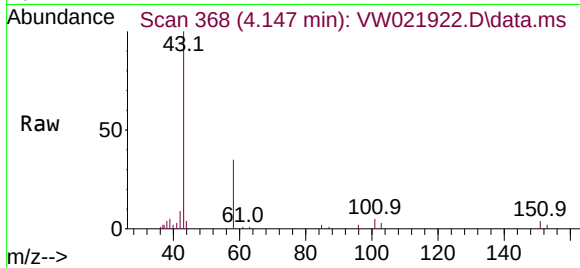
VSTD025538

Tgt Ion: 43 Resp: 14530

Ion Ratio Lower Upper

43 100

58 32.7 0.0 52.8



#14

Carbon disulfide

Concen: 20.317 ug/L

RT: 4.379 min Scan# 406

Delta R.T. -0.006 min

Lab File: VW021922.D

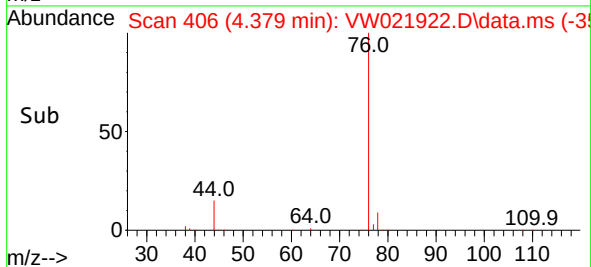
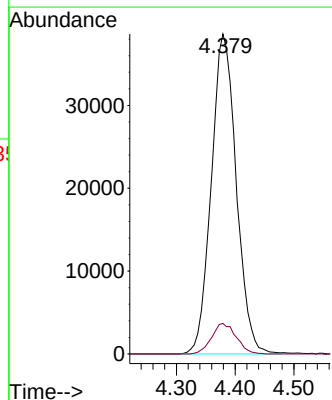
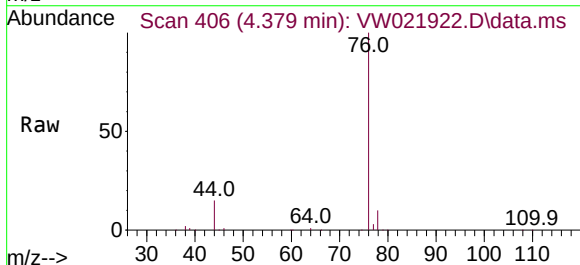
Acq: 14 Jan 2022 22:06

Tgt Ion: 76 Resp: 114008

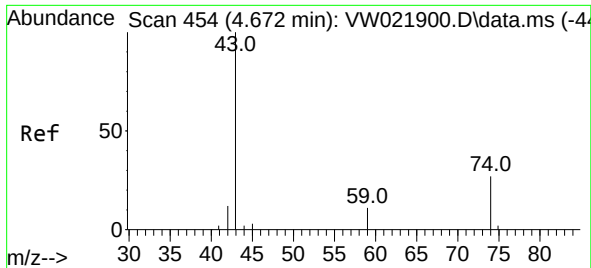
Ion Ratio Lower Upper

76 100

78 9.5 7.1 10.7



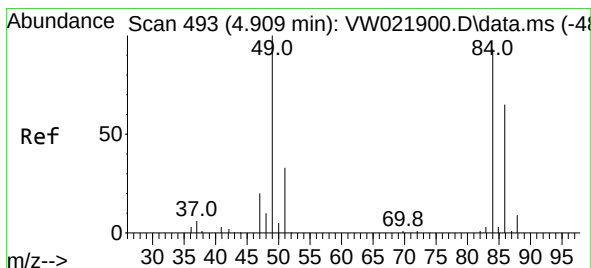
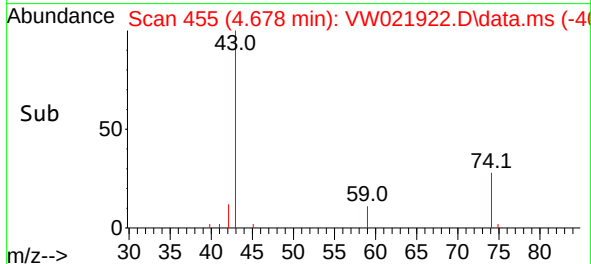
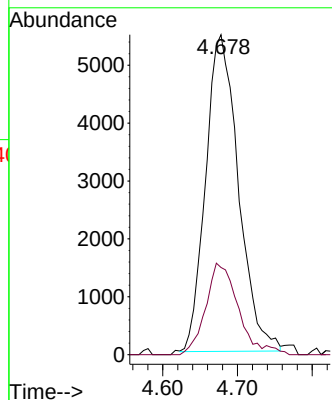
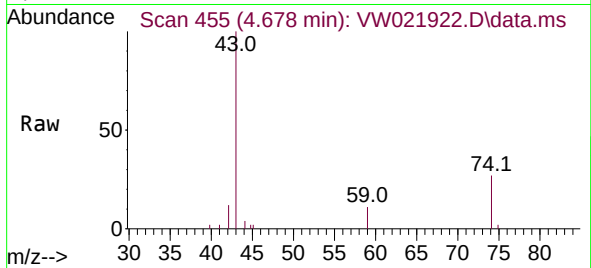




#15  
Methyl Acetate  
Concen: 26.517 ug/L  
RT: 4.678 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VW021922.D  
Acq: 14 Jan 2022 22:06

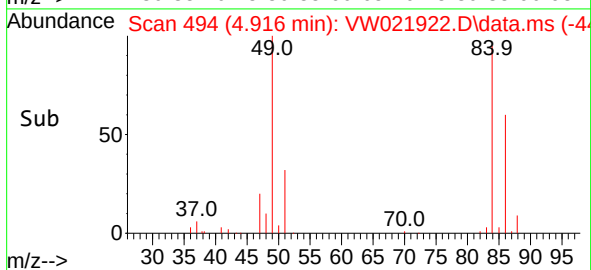
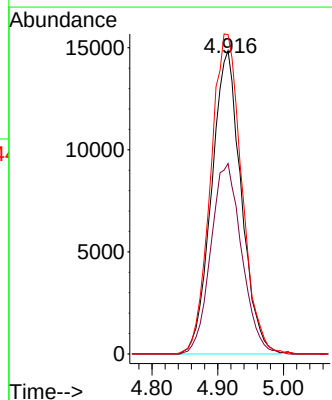
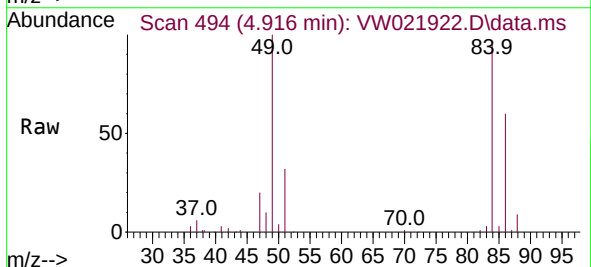
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025538

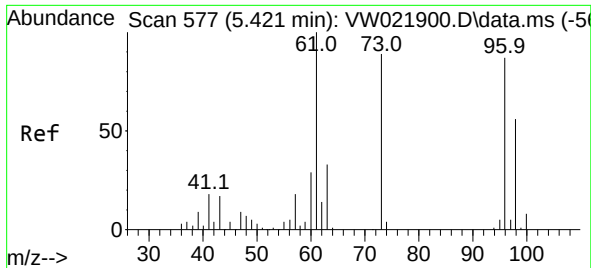
Tgt Ion: 43 Resp: 16680  
Ion Ratio Lower Upper  
43 100  
74 27.6 16.4 24.6#



#16  
Methylene chloride  
Concen: 18.914 ug/L  
RT: 4.916 min Scan# 494  
Delta R.T. 0.006 min  
Lab File: VW021922.D  
Acq: 14 Jan 2022 22:06

Tgt Ion: 84 Resp: 46479  
Ion Ratio Lower Upper  
84 100  
86 62.8 45.5 84.5  
49 105.3 100.5 186.7

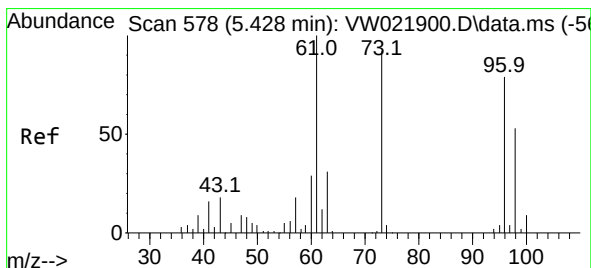
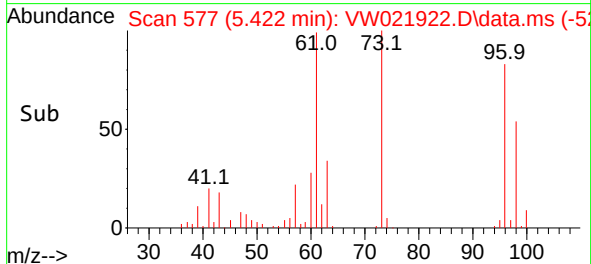
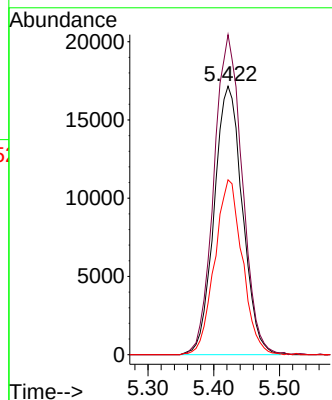
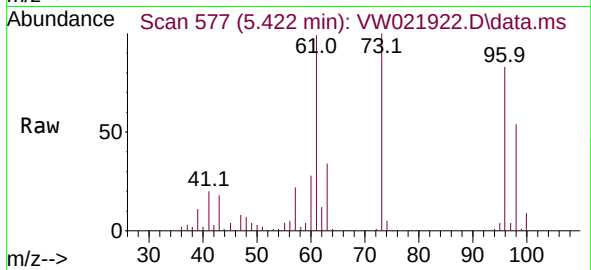




#17  
trans-1,2-Dichloroethene  
Concen: 22.182 ug/L  
RT: 5.422 min Scan# 577  
Delta R.T. 0.000 min  
Lab File: VW021922.D  
Acq: 14 Jan 2022 22:06

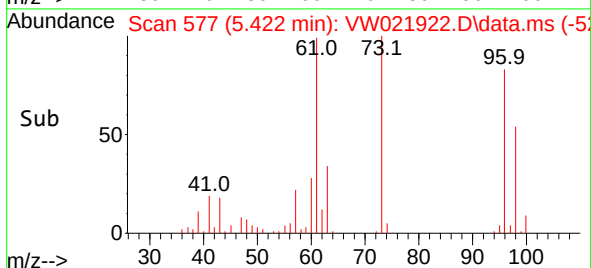
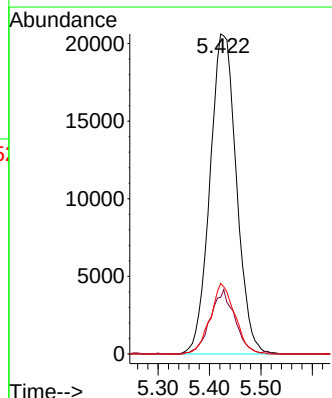
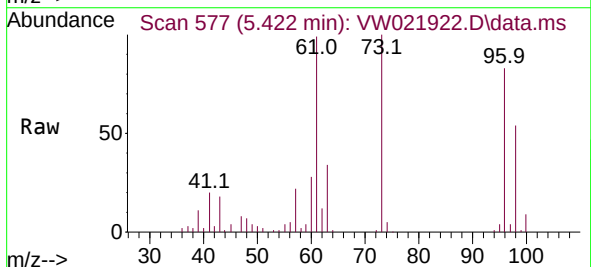
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025538

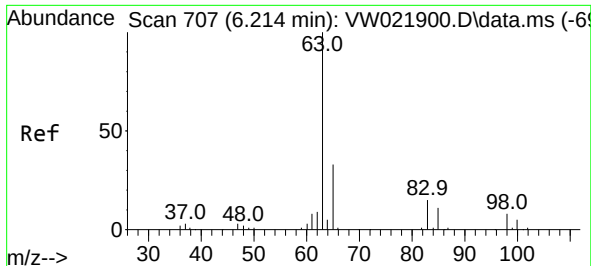
Tgt Ion: 96 Resp: 51374  
Ion Ratio Lower Upper  
96 100  
61 119.2 107.4 199.4  
98 65.2 41.2 76.6



#18  
Methyl tert-butyl Ether  
Concen: 24.994 ug/L  
RT: 5.422 min Scan# 577  
Delta R.T. -0.006 min  
Lab File: VW021922.D  
Acq: 14 Jan 2022 22:06

Tgt Ion: 73 Resp: 73817  
Ion Ratio Lower Upper  
73 100  
43 18.7 19.5 29.3#  
57 20.5 19.3 28.9





#19

1,1-Dichloroethane

Concen: 23.552 ug/L

RT: 6.214 min Scan# 707

Delta R.T. 0.000 min

Lab File: VW021922.D

Acq: 14 Jan 2022 22:06

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025538

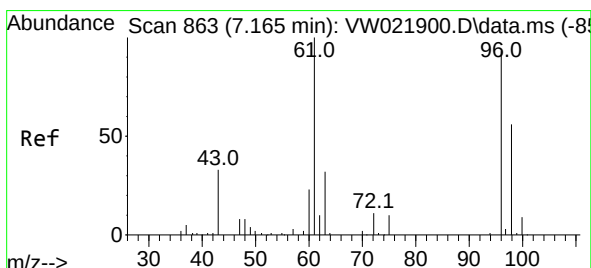
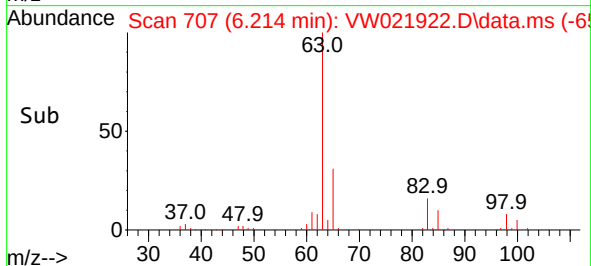
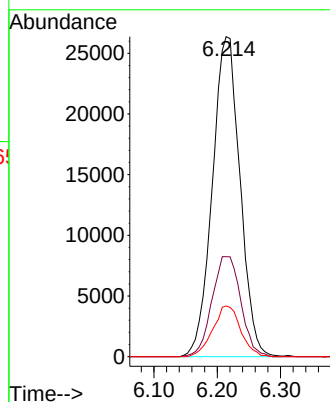
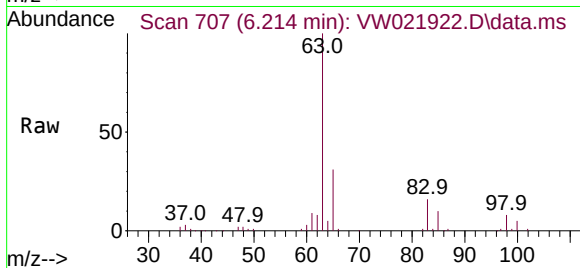
Tgt Ion: 63 Resp: 79994

Ion Ratio Lower Upper

63 100

65 31.3 22.1 41.1

83 15.8 9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 23.416 ug/L

RT: 7.171 min Scan# 864

Delta R.T. 0.006 min

Lab File: VW021922.D

Acq: 14 Jan 2022 22:06

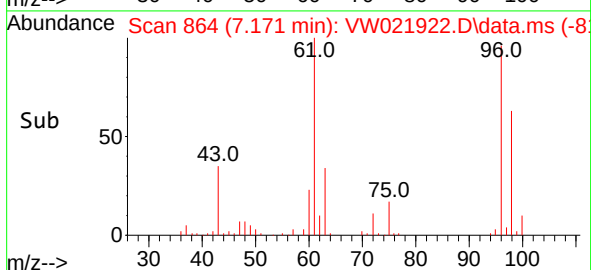
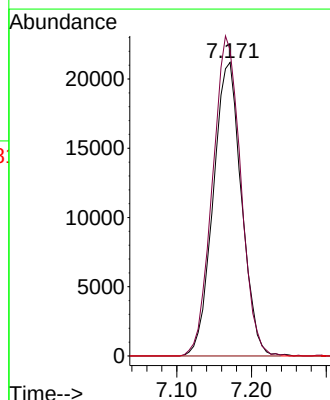
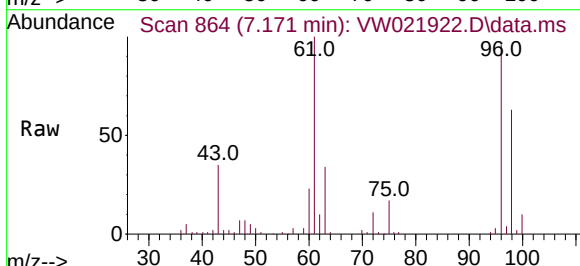
Tgt Ion: 96 Resp: 55789

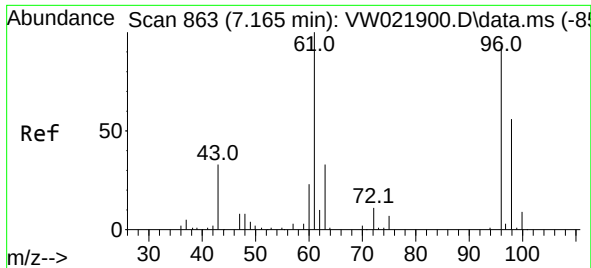
Ion Ratio Lower Upper

96 100

61 104.2 103.7 192.7

68 0.0 0.0 0.0

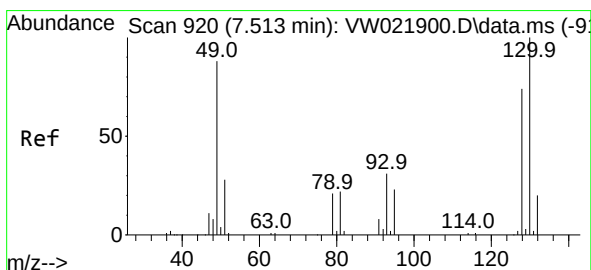
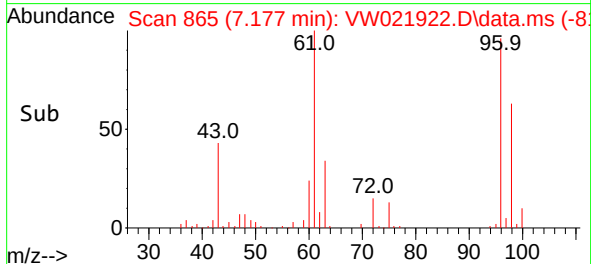
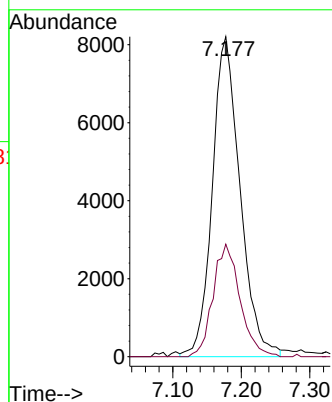
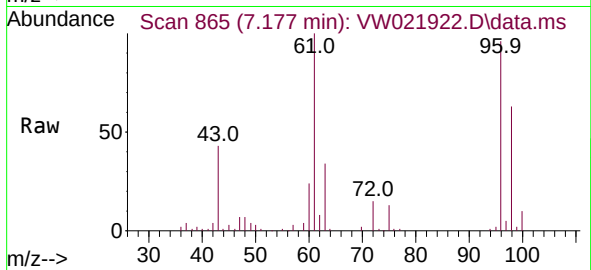




#22  
2-Butanone  
Concen: 58.005 ug/L  
RT: 7.177 min Scan# 865  
Delta R.T. 0.012 min  
Lab File: VW021922.D  
Acq: 14 Jan 2022 22:06

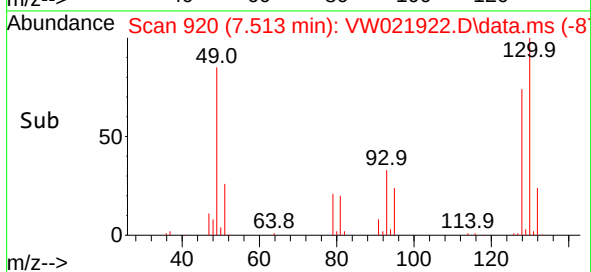
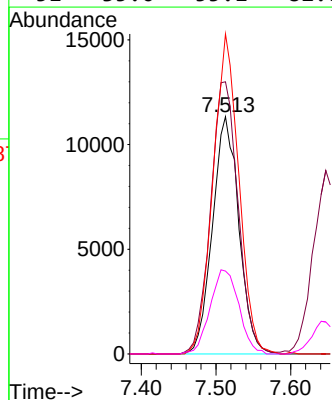
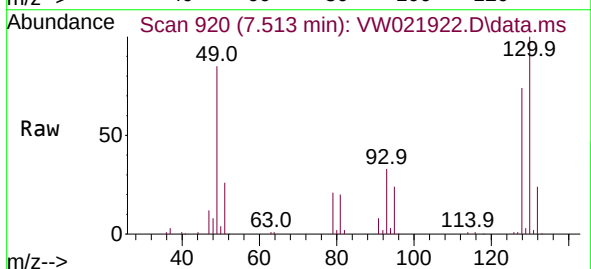
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025538

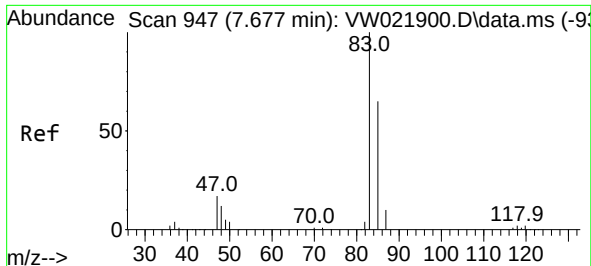
Tgt Ion: 43 Resp: 23075  
Ion Ratio Lower Upper  
43 100  
72 34.2 11.8 35.4



#23  
Bromochloromethane  
Concen: 23.471 ug/L  
RT: 7.513 min Scan# 920  
Delta R.T. 0.000 min  
Lab File: VW021922.D  
Acq: 14 Jan 2022 22:06

Tgt Ion: 128 Resp: 27824  
Ion Ratio Lower Upper  
128 100  
49 114.7 150.3 279.1#  
130 134.9 88.3 163.9  
51 35.0 55.1 82.7#

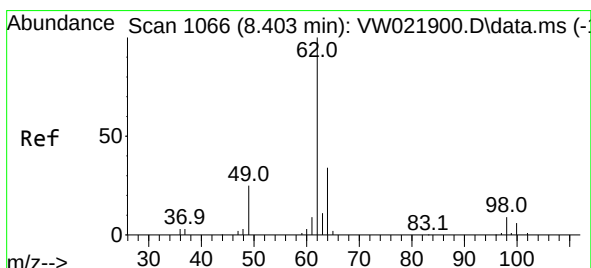
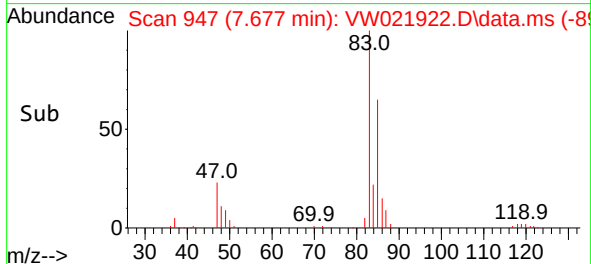
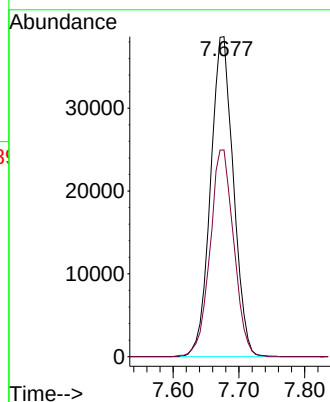
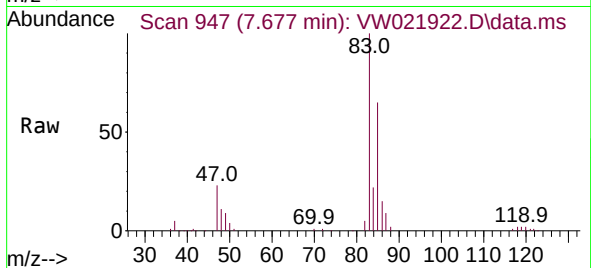




#25  
Chloroform  
Concen: 23.251 ug/L  
RT: 7.677 min Scan# 94  
Delta R.T. 0.000 min  
Lab File: VW021922.D  
Acq: 14 Jan 2022 22:06

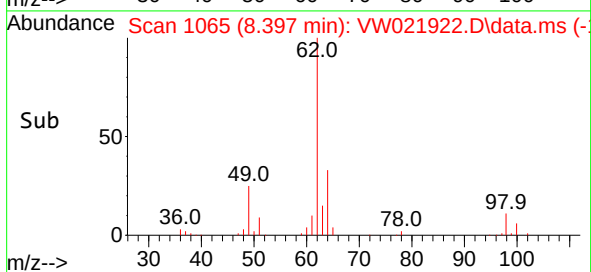
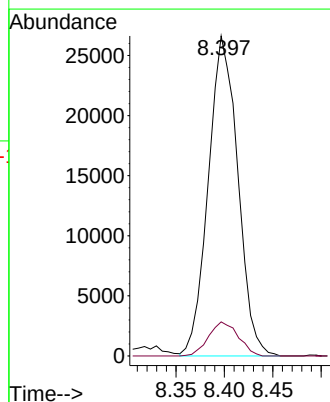
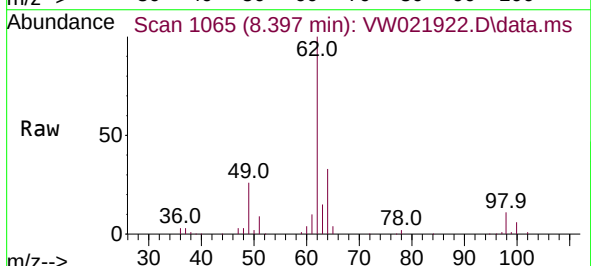
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025538

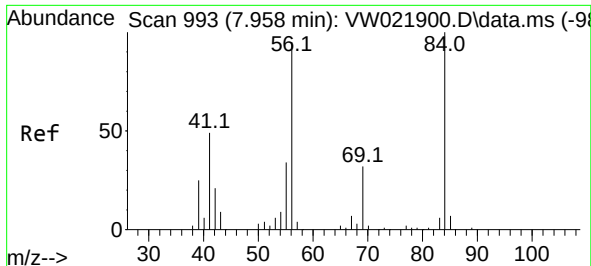
Tgt Ion: 83 Resp: 93440  
Ion Ratio Lower Upper  
83 100  
85 64.6 45.1 83.7



#27  
1,2-Dichloroethane  
Concen: 24.277 ug/L  
RT: 8.397 min Scan# 1065  
Delta R.T. -0.006 min  
Lab File: VW021922.D  
Acq: 14 Jan 2022 22:06

Tgt Ion: 62 Resp: 56497  
Ion Ratio Lower Upper  
62 100  
98 10.6 6.5 9.7#





#29

Cyclohexane

Concen: 21.637 ug/L

RT: 7.952 min Scan# 993

Delta R.T. -0.006 min

Lab File: VW021922.D

Acq: 14 Jan 2022 22:06

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025538

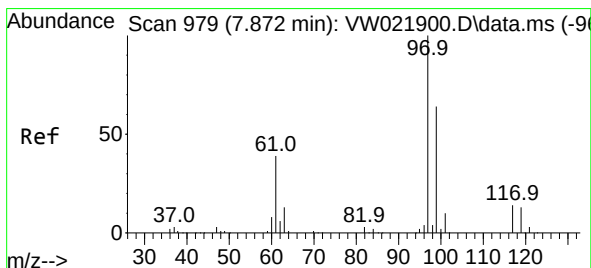
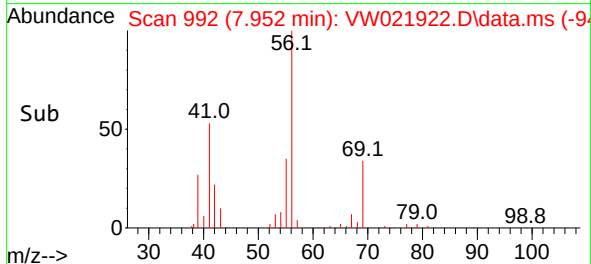
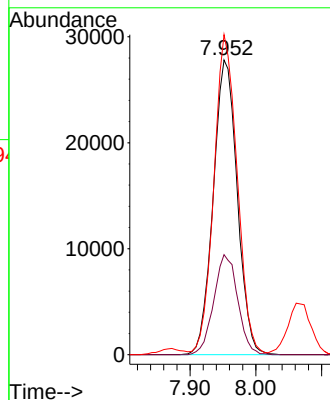
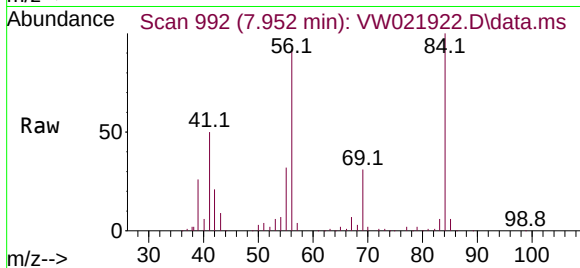
Tgt Ion: 56 Resp: 70735

Ion Ratio Lower Upper

56 100

69 33.7 23.5 35.3

84 105.5 63.4 95.2#



#30

1,1,1-Trichloroethane

Concen: 21.773 ug/L

RT: 7.866 min Scan# 978

Delta R.T. -0.006 min

Lab File: VW021922.D

Acq: 14 Jan 2022 22:06

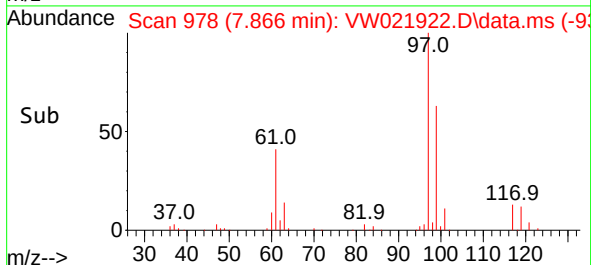
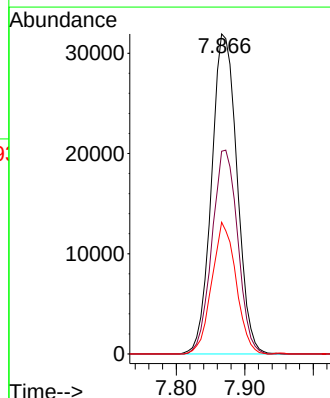
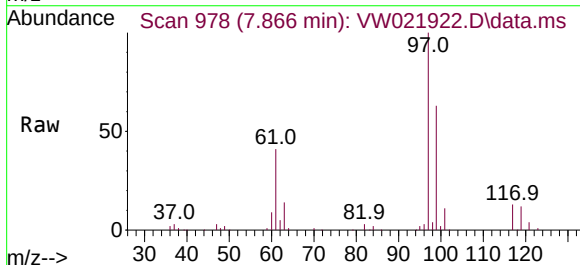
Tgt Ion: 97 Resp: 82472

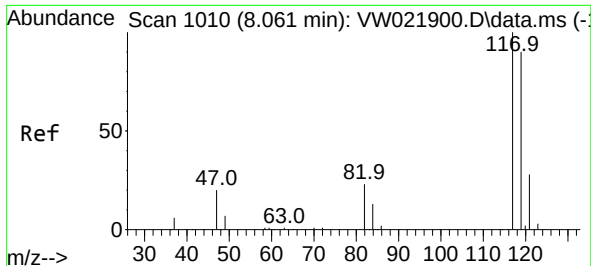
Ion Ratio Lower Upper

97 100

99 64.3 51.6 77.4

61 39.2 40.9 61.3#

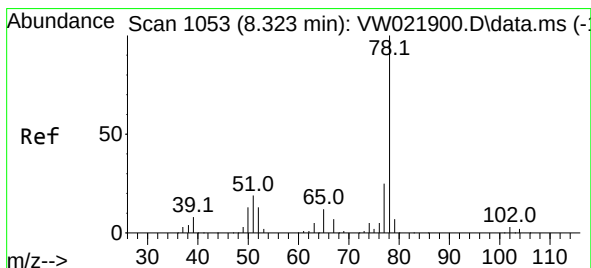
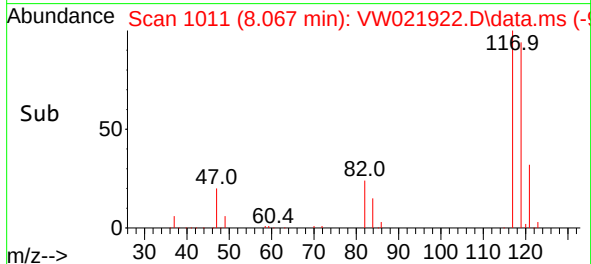
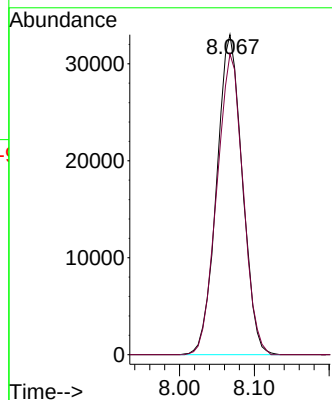
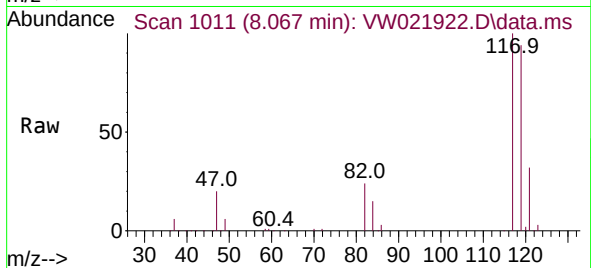




#31  
Carbon tetrachloride  
Concen: 21.472 ug/L  
RT: 8.067 min Scan# 1010  
Delta R.T. 0.006 min  
Lab File: VW021922.D  
Acq: 14 Jan 2022 22:06

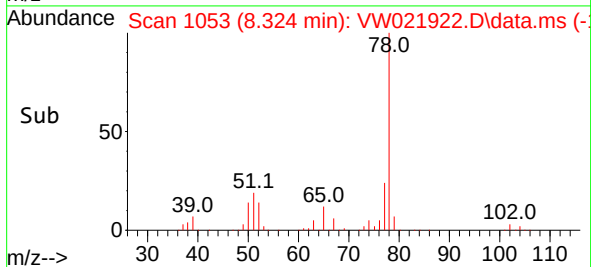
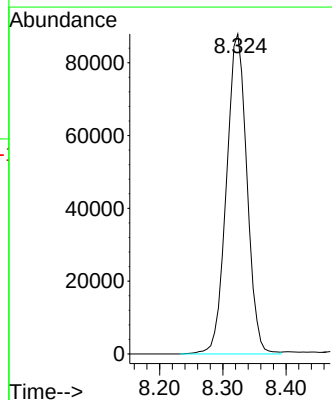
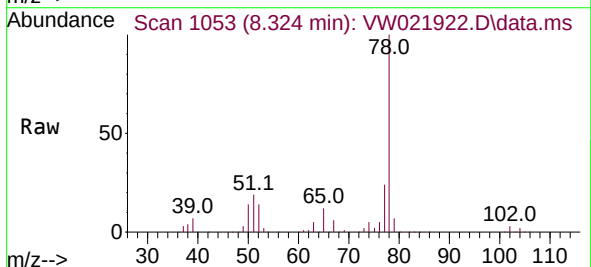
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025538

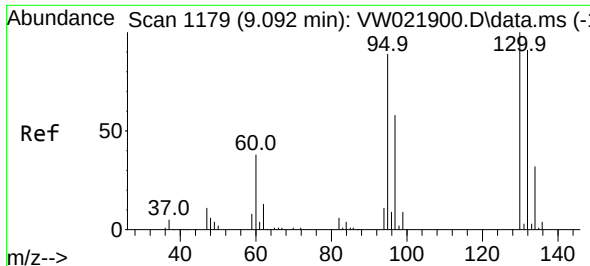
Tgt Ion:117 Resp: 78814  
Ion Ratio Lower Upper  
117 100  
119 95.9 75.7 113.5



#33  
Benzene  
Concen: 22.055 ug/L  
RT: 8.324 min Scan# 1053  
Delta R.T. 0.000 min  
Lab File: VW021922.D  
Acq: 14 Jan 2022 22:06

Tgt Ion: 78 Resp: 197628

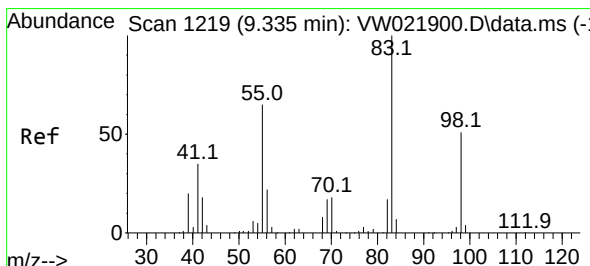
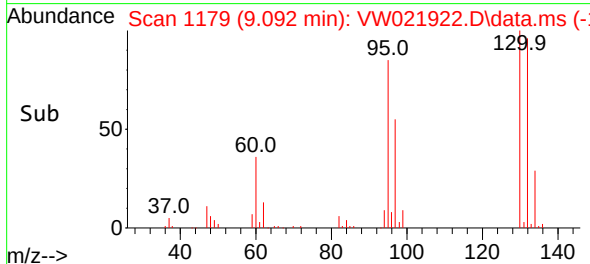
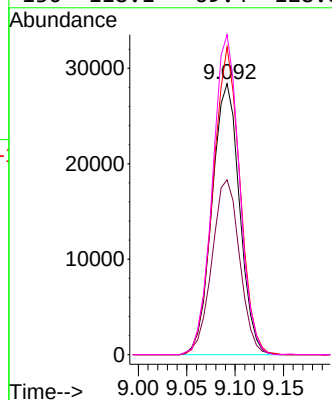
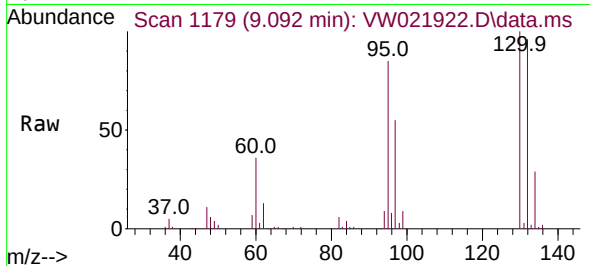




#34  
Trichloroethene  
Concen: 21.568 ug/L  
RT: 9.092 min Scan# 1179  
Delta R.T. 0.000 min  
Lab File: VW021922.D  
Acq: 14 Jan 2022 22:06

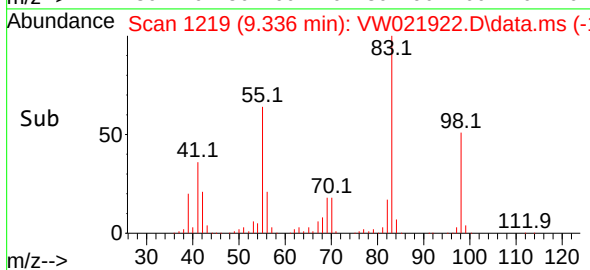
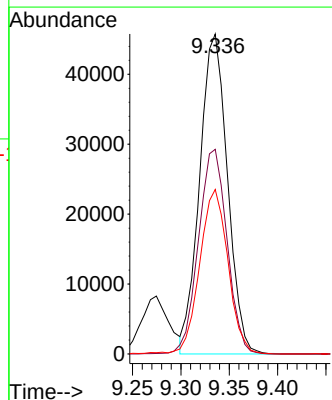
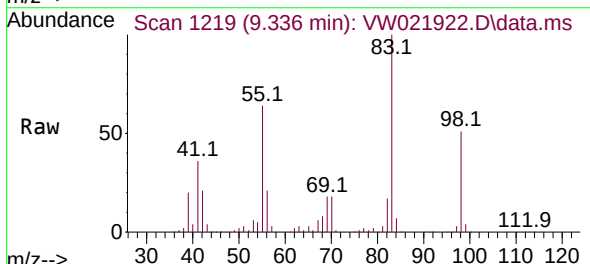
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025538

Tgt Ion: 95 Resp: 56069  
Ion Ratio Lower Upper  
95 100  
97 64.5 47.0 87.2  
132 113.5 65.5 121.6  
130 118.1 69.4 128.8

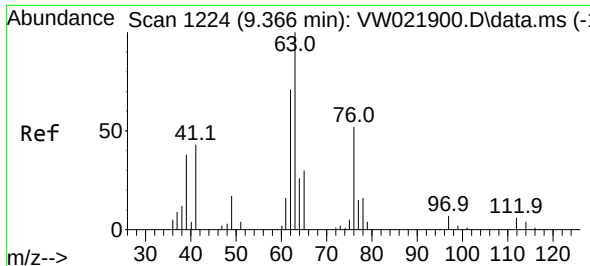


#35  
Methylcyclohexane  
Concen: 21.458 ug/L  
RT: 9.336 min Scan# 1219  
Delta R.T. 0.000 min  
Lab File: VW021922.D  
Acq: 14 Jan 2022 22:06

Tgt Ion: 83 Resp: 91736  
Ion Ratio Lower Upper  
83 100  
55 65.6 70.8 106.2#  
98 52.1 37.7 56.5



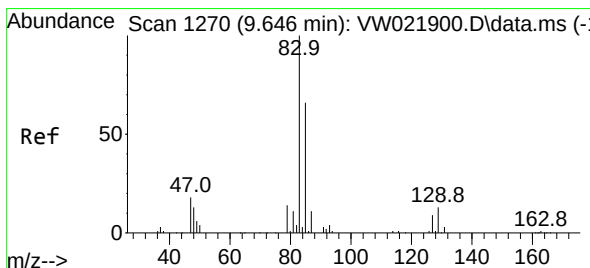
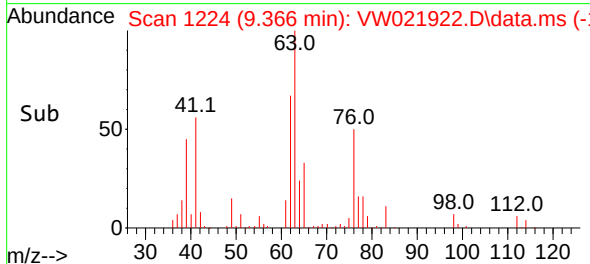
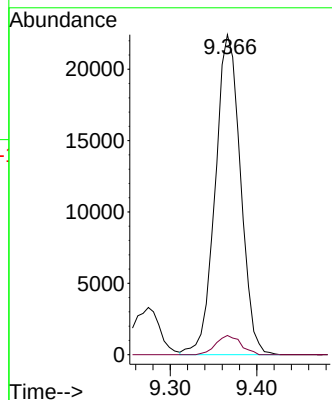
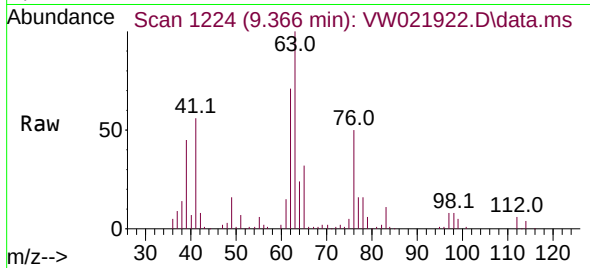




#37  
1,2-Dichloropropane  
Concen: 23.282 ug/L  
RT: 9.366 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW021922.D  
Acq: 14 Jan 2022 22:06

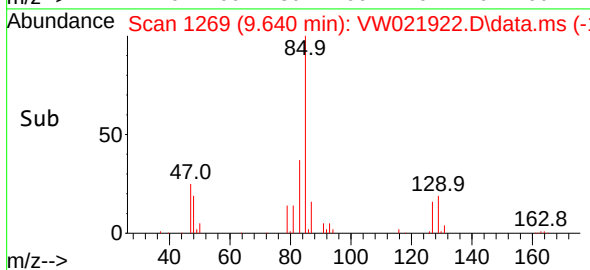
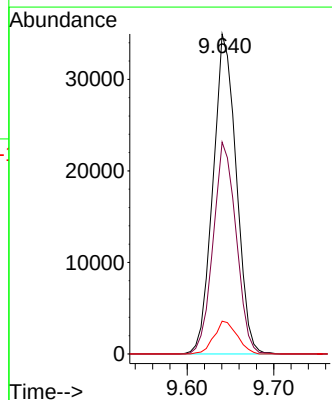
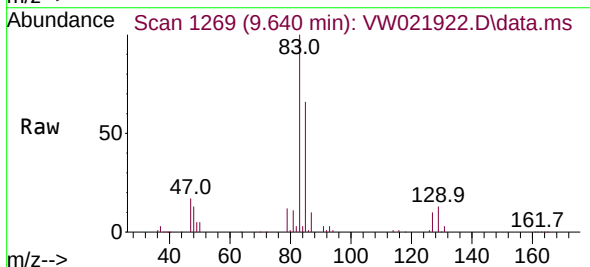
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025538

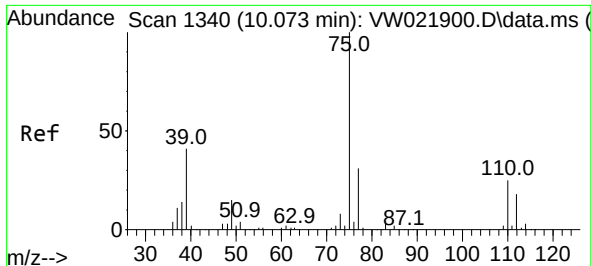
Tgt Ion: 63 Resp: 45448  
Ion Ratio Lower Upper  
63 100  
112 5.9 3.2 4.8#



#38  
Bromodichloromethane  
Concen: 23.984 ug/L  
RT: 9.640 min Scan# 1269  
Delta R.T. -0.006 min  
Lab File: VW021922.D  
Acq: 14 Jan 2022 22:06

Tgt Ion: 83 Resp: 65359  
Ion Ratio Lower Upper  
83 100  
85 66.2 44.1 81.9  
127 10.3 6.1 9.1#





#39

cis-1,3-Dichloropropene

Concen: 24.197 ug/L

RT: 10.073 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW021922.D

Acq: 14 Jan 2022 22:06

Instrument :

MSVOA\_W

ClientSampleId :

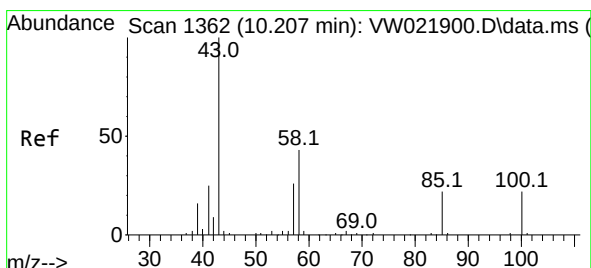
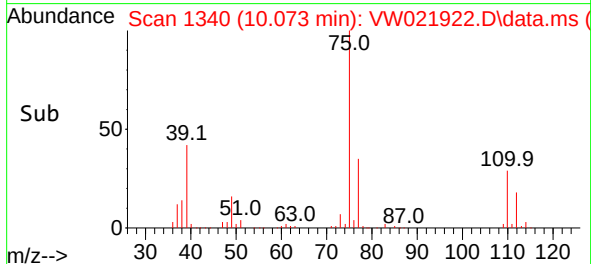
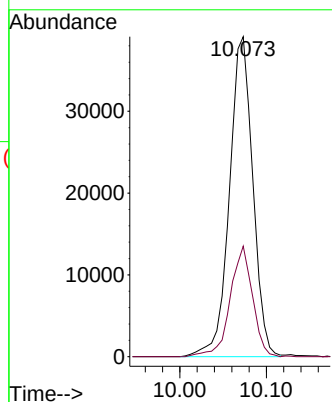
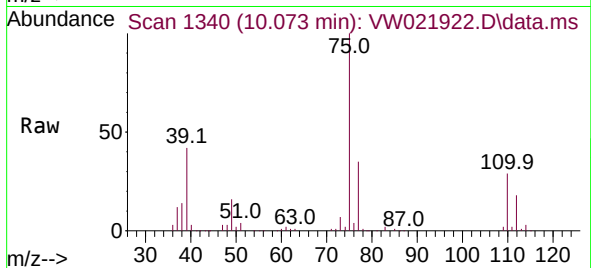
VSTD025538

Tgt Ion: 75 Resp: 73395

Ion Ratio Lower Upper

75 100

77 34.6 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 58.347 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. 0.000 min

Lab File: VW021922.D

Acq: 14 Jan 2022 22:06

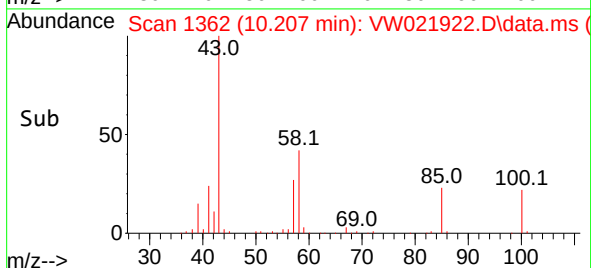
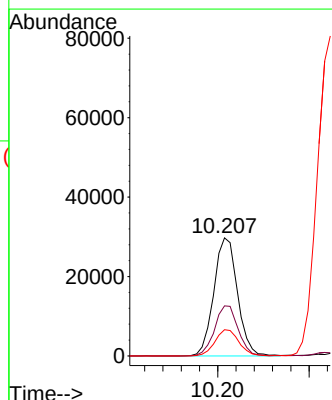
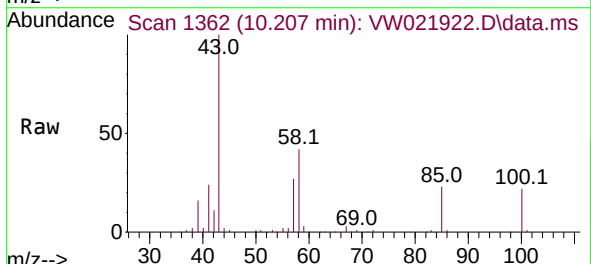
Tgt Ion: 43 Resp: 53505

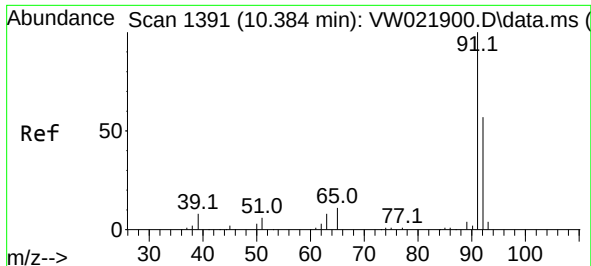
Ion Ratio Lower Upper

43 100

58 42.3 28.8 43.2

100 22.5 10.0 15.0#

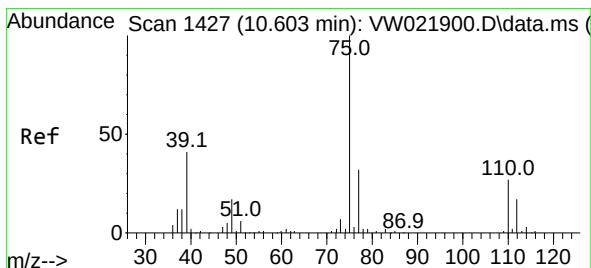
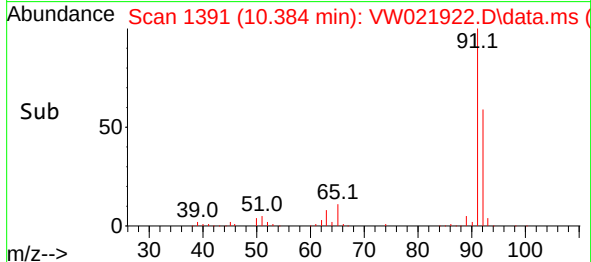
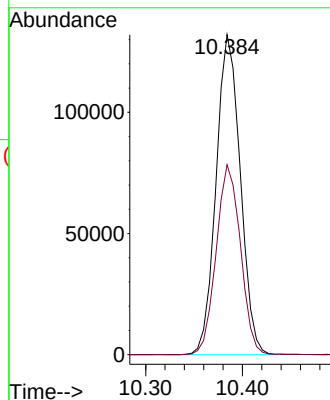
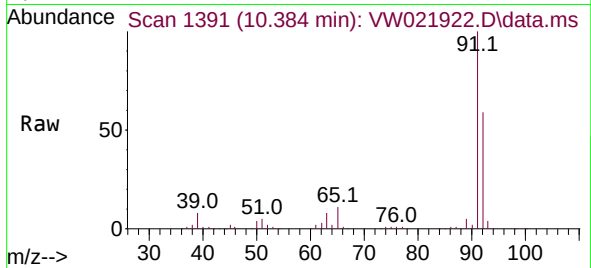




#42  
Toluene  
Concen: 22.831 ug/L  
RT: 10.384 min Scan# 1391  
Delta R.T. 0.000 min  
Lab File: VW021922.D  
Acq: 14 Jan 2022 22:06

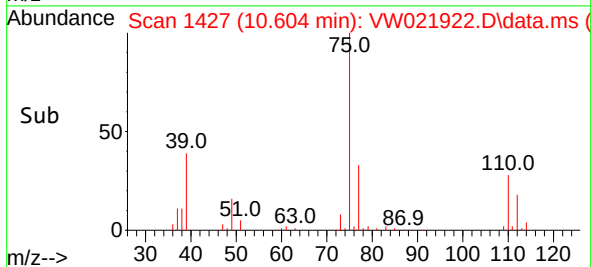
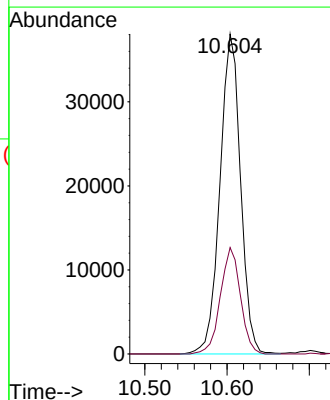
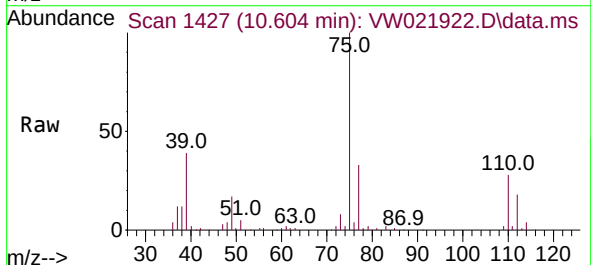
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025538

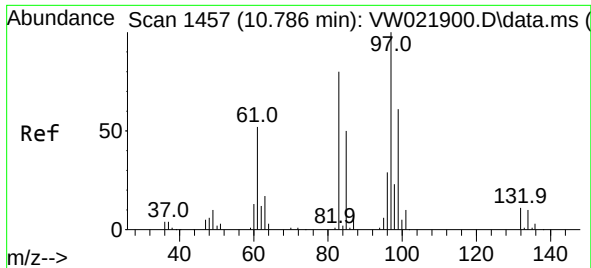
Tgt Ion: 91 Resp: 229446  
Ion Ratio Lower Upper  
91 100  
92 59.3 41.7 77.5



#44  
trans-1,3-Dichloropropene  
Concen: 26.085 ug/L  
RT: 10.604 min Scan# 1427  
Delta R.T. 0.000 min  
Lab File: VW021922.D  
Acq: 14 Jan 2022 22:06

Tgt Ion: 75 Resp: 66224  
Ion Ratio Lower Upper  
75 100  
77 33.2 22.2 41.2

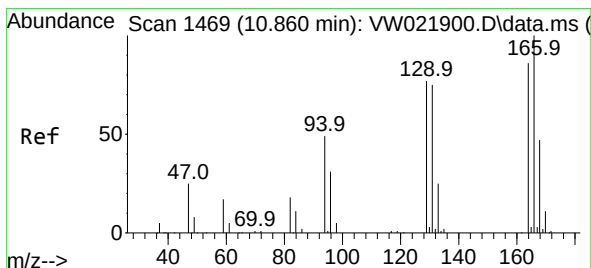
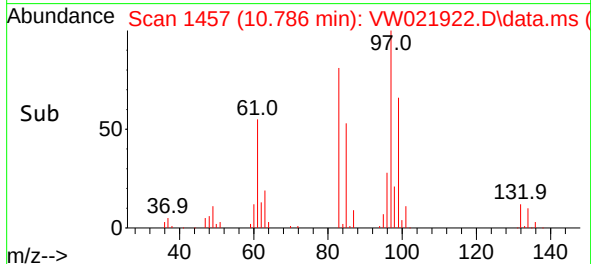
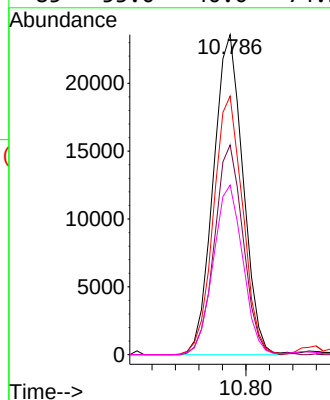
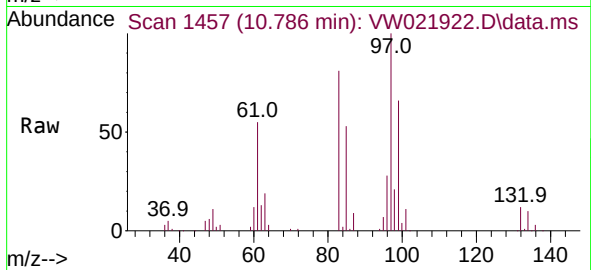




#45  
1,1,2-Trichloroethane  
Concen: 24.952 ug/L  
RT: 10.786 min Scan# 1457  
Delta R.T. 0.000 min  
Lab File: VW021922.D  
Acq: 14 Jan 2022 22:06

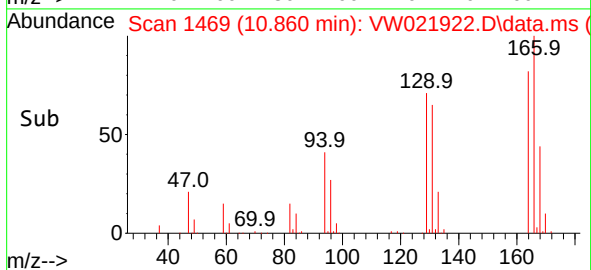
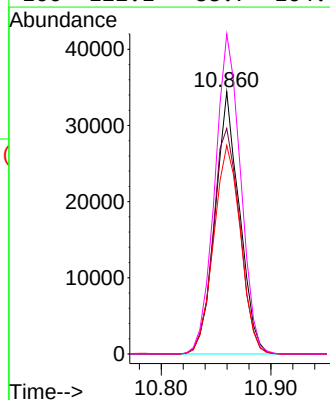
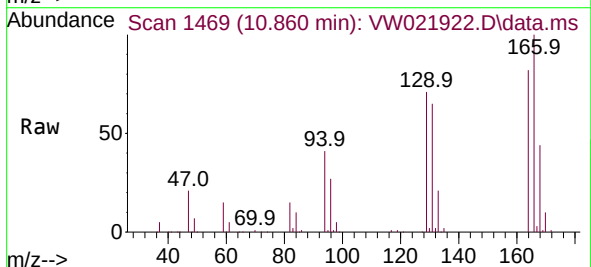
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025538

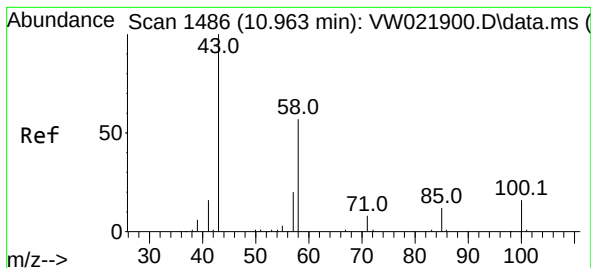
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 41355 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 65.5  | 43.0  | 79.8  |
| 83       | 80.8  | 62.6  | 116.3 |
| 85       | 53.0  | 40.0  | 74.2  |



#46  
Tetrachloroethene  
Concen: 20.702 ug/L  
RT: 10.860 min Scan# 1469  
Delta R.T. 0.000 min  
Lab File: VW021922.D  
Acq: 14 Jan 2022 22:06

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 53220 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 86.1  | 65.5  | 121.7 |
| 131      | 79.5  | 59.7  | 110.9 |
| 166      | 122.1 | 88.7  | 164.7 |

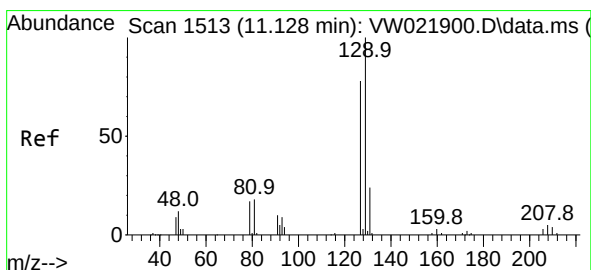
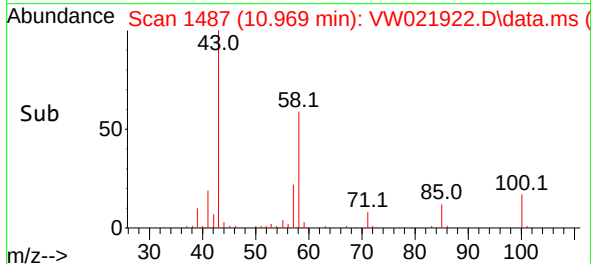
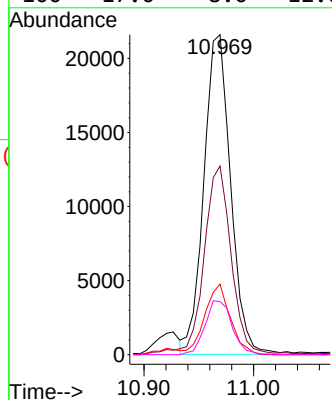
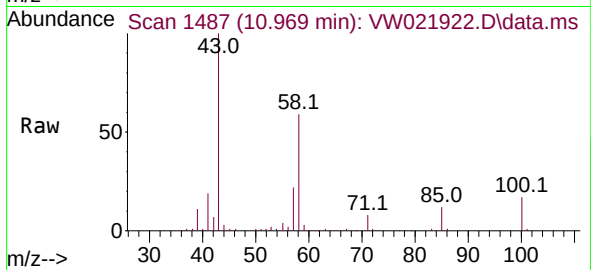




#48  
2-Hexanone  
Concen: 58.466 ug/L  
RT: 10.969 min Scan# 1487  
Delta R.T. 0.006 min  
Lab File: VW021922.D  
Acq: 14 Jan 2022 22:06

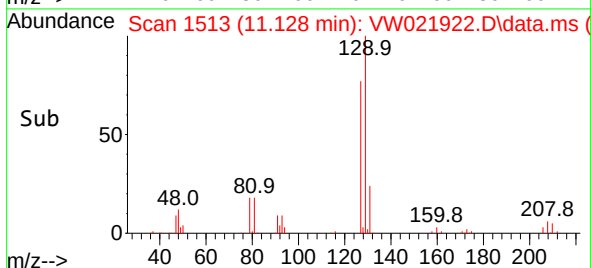
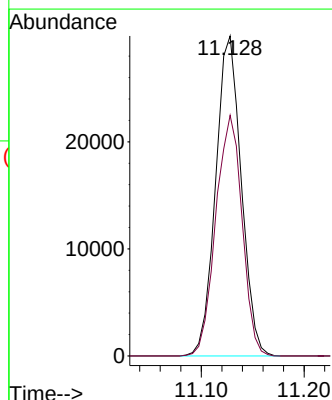
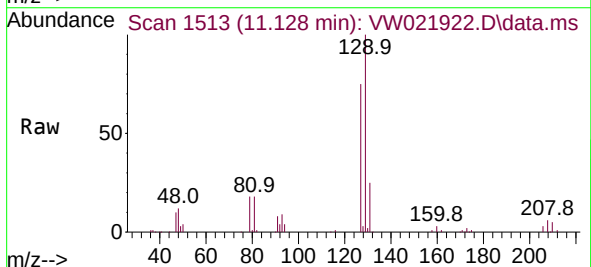
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025538

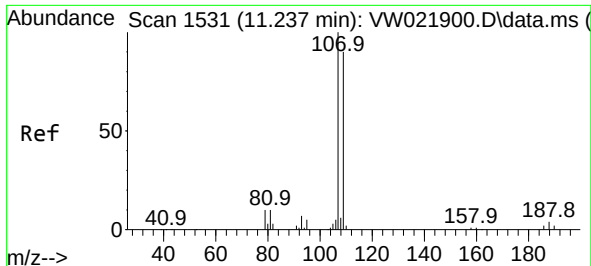
Tgt Ion: 43 Resp: 36683  
Ion Ratio Lower Upper  
43 100  
58 59.9 40.2 60.2  
57 21.2 14.3 21.5  
100 17.0 8.0 12.0#



#49  
Dibromochloromethane  
Concen: 24.723 ug/L  
RT: 11.128 min Scan# 1513  
Delta R.T. 0.000 min  
Lab File: VW021922.D  
Acq: 14 Jan 2022 22:06

Tgt Ion: 129 Resp: 51631  
Ion Ratio Lower Upper  
129 100  
127 75.2 55.7 103.5





#50

1,2-Dibromoethane

Concen: 25.560 ug/L

RT: 11.232 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW021922.D

Acq: 14 Jan 2022 22:06

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025538

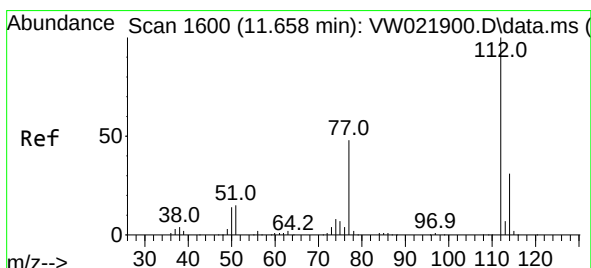
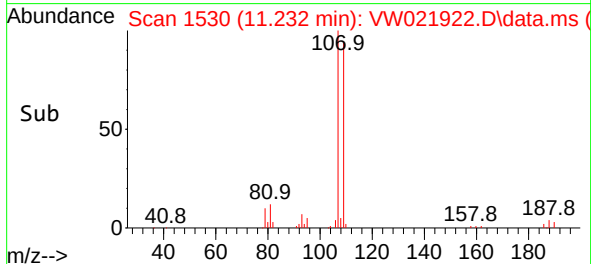
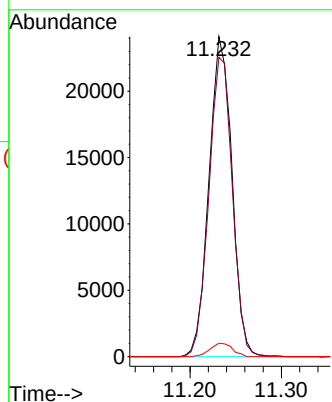
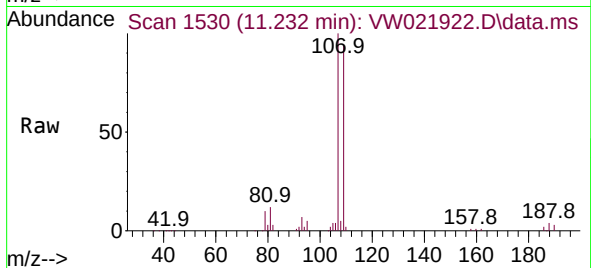
Tgt Ion:107 Resp: 42050

Ion Ratio Lower Upper

107 100

109 93.5 64.1 119.1

188 4.2 2.6 3.8#



#51

Chlorobenzene

Concen: 22.636 ug/L

RT: 11.652 min Scan# 1599

Delta R.T. -0.006 min

Lab File: VW021922.D

Acq: 14 Jan 2022 22:06

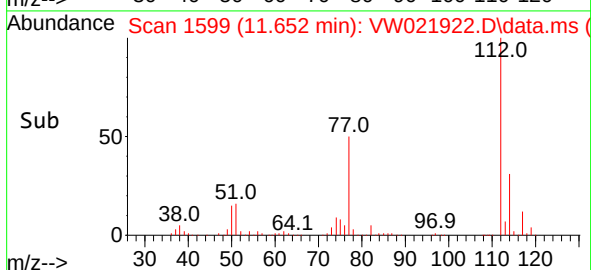
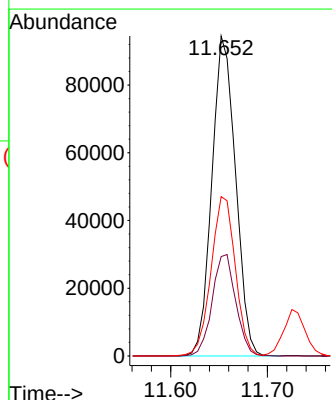
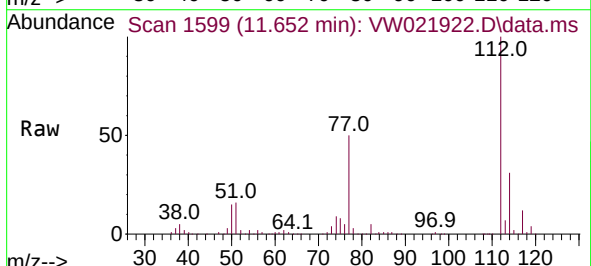
Tgt Ion:112 Resp: 160626

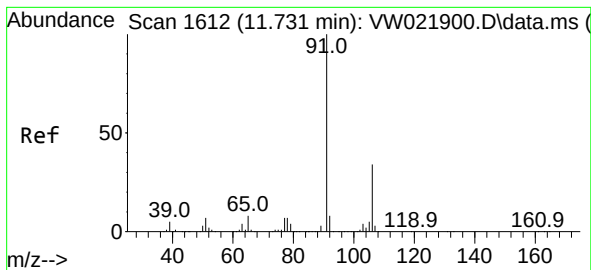
Ion Ratio Lower Upper

112 100

114 31.0 22.4 41.6

77 49.8 50.2 75.4#

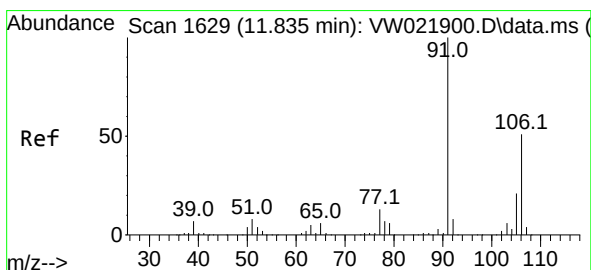
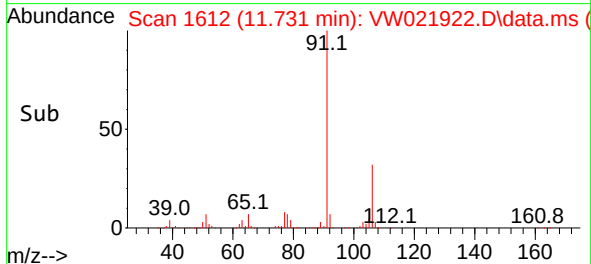
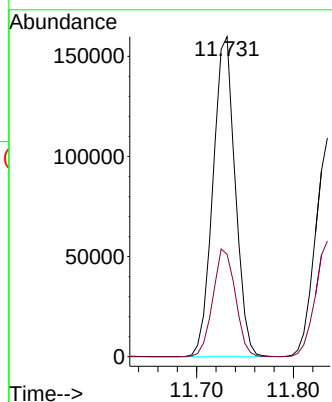
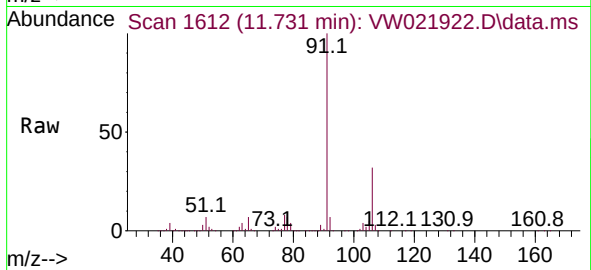




#52  
Ethylbenzene  
Concen: 22.813 ug/L  
RT: 11.731 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW021922.D  
Acq: 14 Jan 2022 22:06

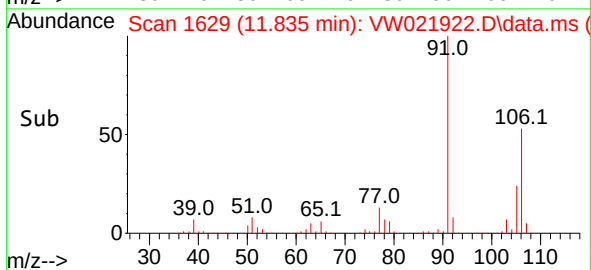
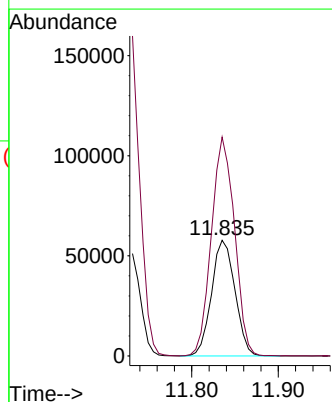
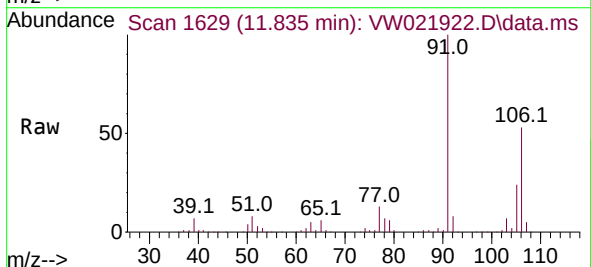
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025538

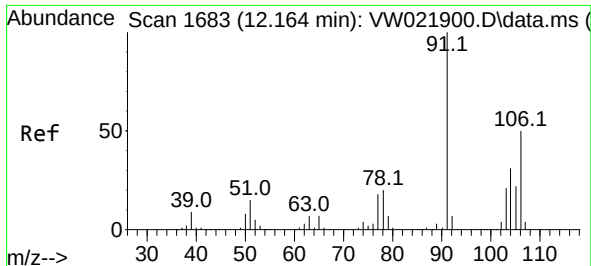
Tgt Ion: 91 Resp: 254693  
Ion Ratio Lower Upper  
91 100  
106 32.0 21.5 39.9



#53  
m,p-Xylene  
Concen: 23.256 ug/L  
RT: 11.835 min Scan# 1629  
Delta R.T. 0.000 min  
Lab File: VW021922.D  
Acq: 14 Jan 2022 22:06

Tgt Ion: 106 Resp: 108567  
Ion Ratio Lower Upper  
106 100  
91 189.2 149.9 278.3

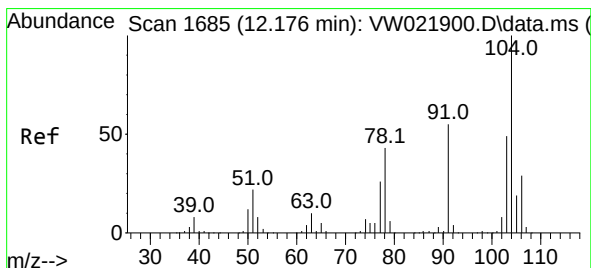
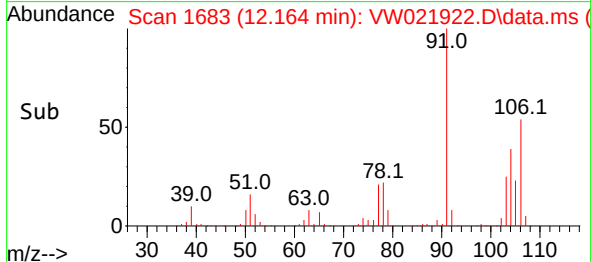
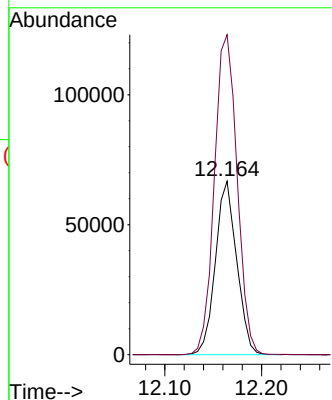
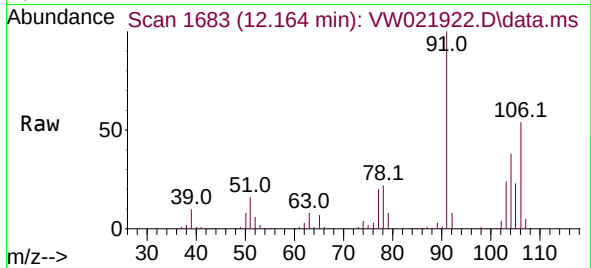




#54  
o-Xylene  
Concen: 23.550 ug/L  
RT: 12.164 min Scan# 1683  
Delta R.T. 0.000 min  
Lab File: VW021922.D  
Acq: 14 Jan 2022 22:06

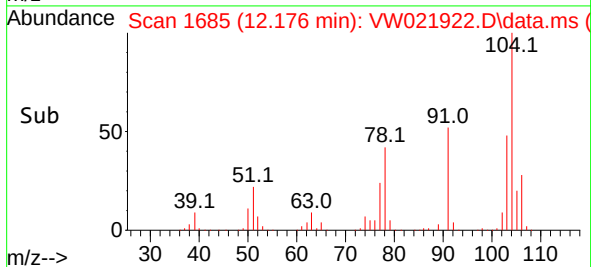
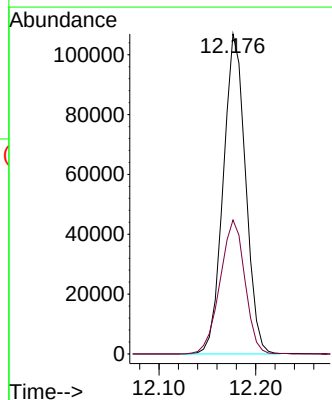
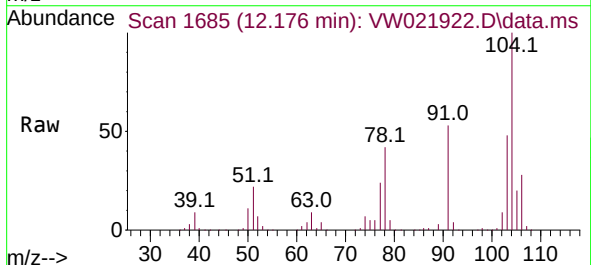
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025538

Tgt Ion:106 Resp: 102066  
Ion Ratio Lower Upper  
106 100  
91 184.5 153.6 285.3

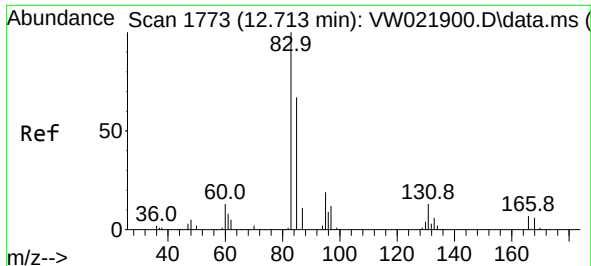


#55  
Styrene  
Concen: 23.937 ug/L  
RT: 12.176 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: VW021922.D  
Acq: 14 Jan 2022 22:06

Tgt Ion:104 Resp: 171272  
Ion Ratio Lower Upper  
104 100  
78 41.9 34.4 64.0







#57

1,1,2,2-Tetrachloroethane

Concen: 26.568 ug/L

RT: 12.713 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW021922.D

Acq: 14 Jan 2022 22:06

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025538

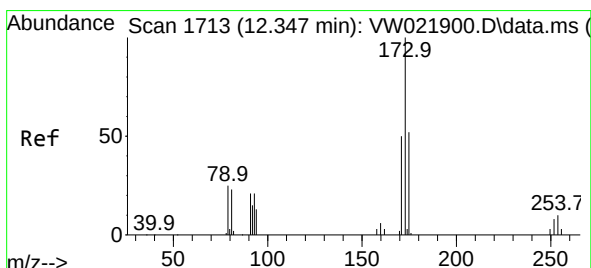
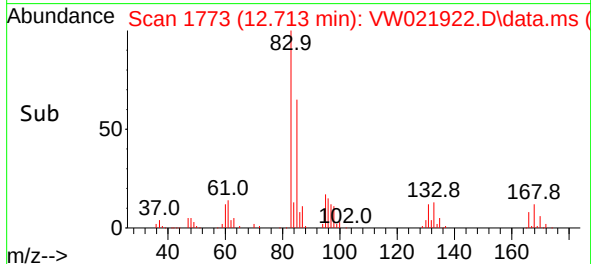
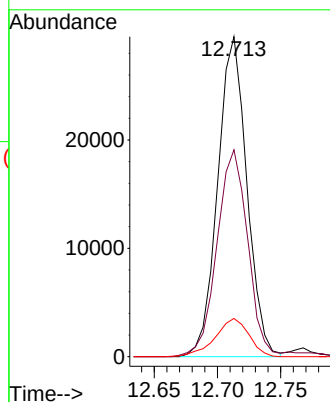
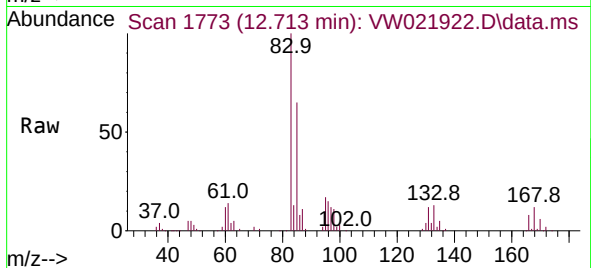
Tgt Ion: 83 Resp: 47377

Ion Ratio Lower Upper

83 100

85 64.7 44.0 81.6

131 12.0 6.9 10.3#



#59

Bromoform

Concen: 25.465 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. 0.000 min

Lab File: VW021922.D

Acq: 14 Jan 2022 22:06

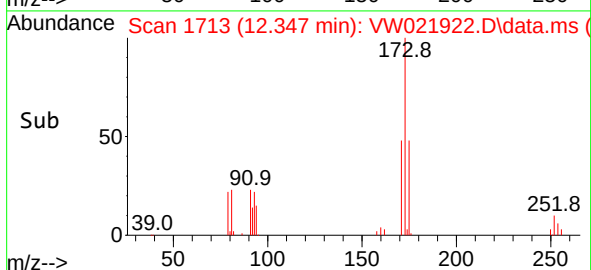
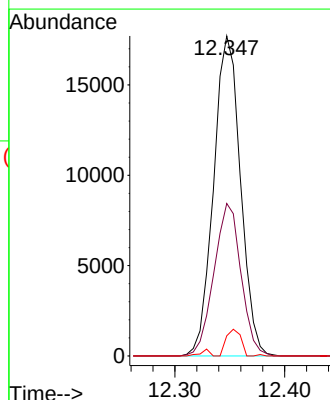
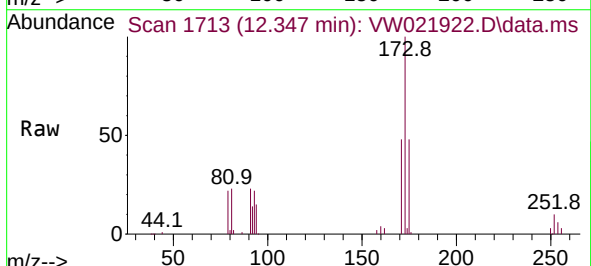
Tgt Ion:173 Resp: 30200

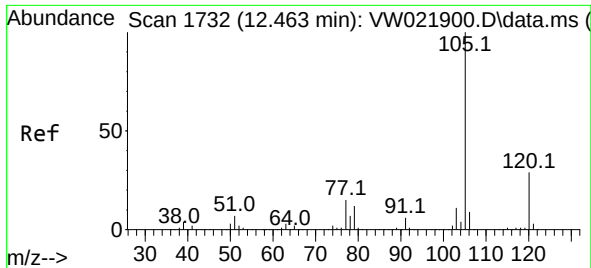
Ion Ratio Lower Upper

173 100

175 47.9 39.6 59.4

254 4.6 7.4 11.0#

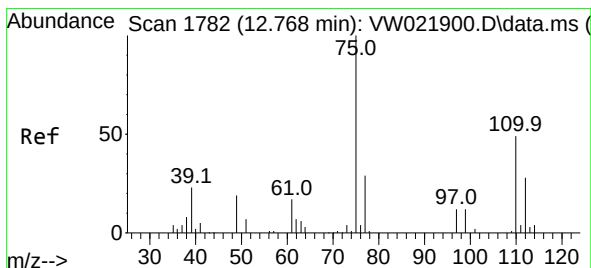
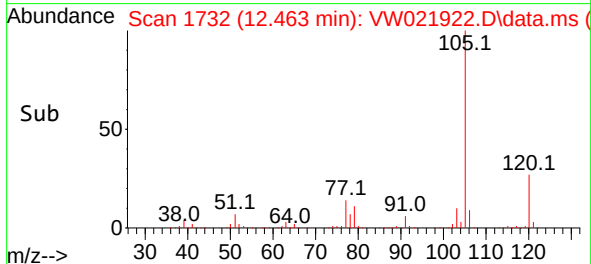
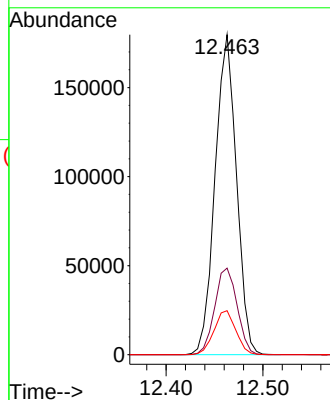
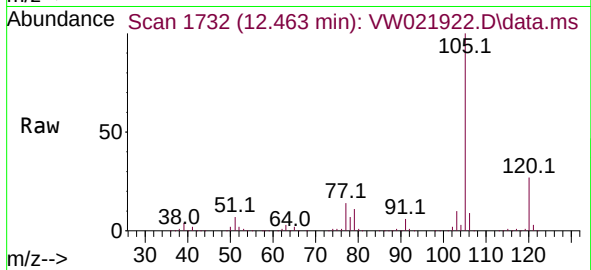




#60  
Isopropylbenzene  
Concen: 23.301 ug/L  
RT: 12.463 min Scan# 1732  
Delta R.T. 0.000 min  
Lab File: VW021922.D  
Acq: 14 Jan 2022 22:06

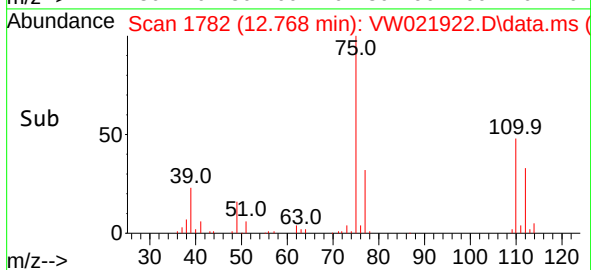
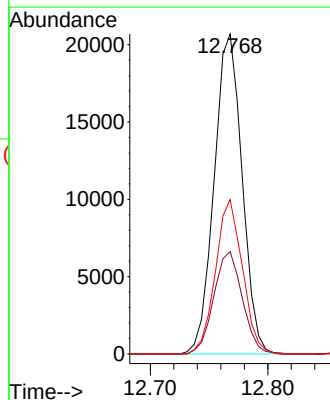
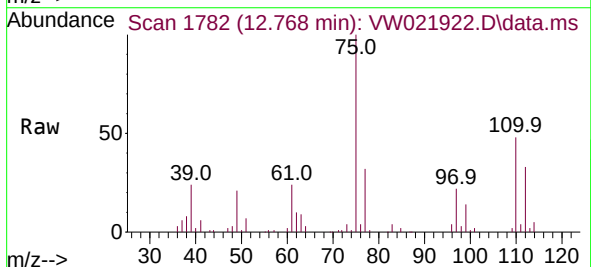
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025538

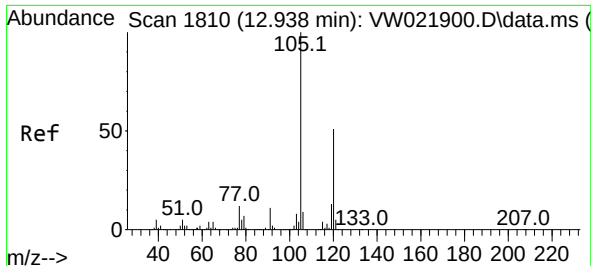
Tgt Ion:105 Resp: 276002  
Ion Ratio Lower Upper  
105 100  
120 28.3 20.1 30.1  
77 14.1 13.8 20.8



#61  
1,2,3-Trichloropropane  
Concen: 27.493 ug/L  
RT: 12.768 min Scan# 1782  
Delta R.T. 0.000 min  
Lab File: VW021922.D  
Acq: 14 Jan 2022 22:06

Tgt Ion: 75 Resp: 34176  
Ion Ratio Lower Upper  
75 100  
77 32.7 25.8 38.8  
110 46.7 29.0 43.4#

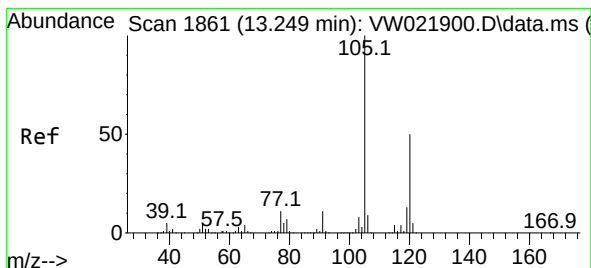
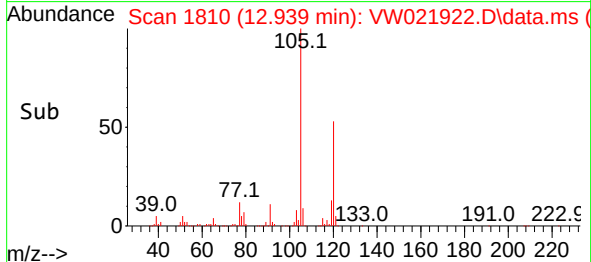
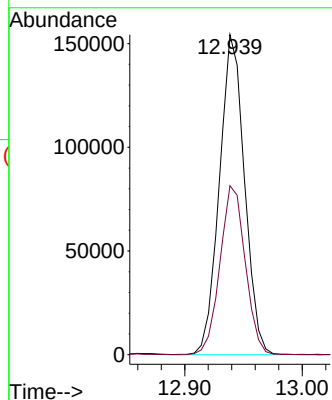
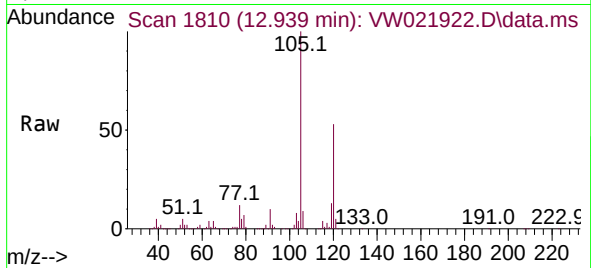




#62  
1,3,5-Trimethylbenzene  
Concen: 23.331 ug/L  
RT: 12.939 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: VW021922.D  
Acq: 14 Jan 2022 22:06

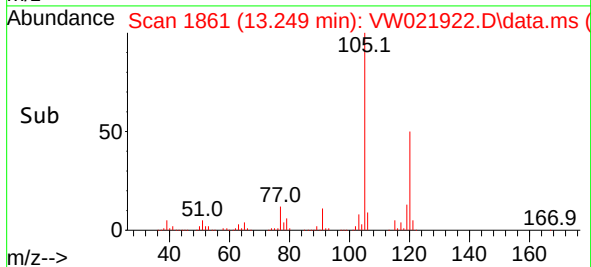
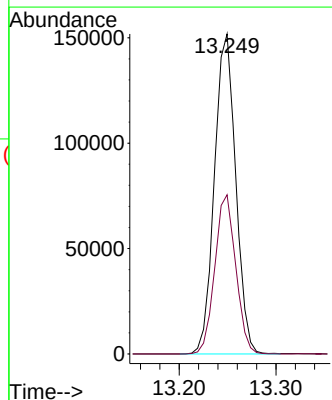
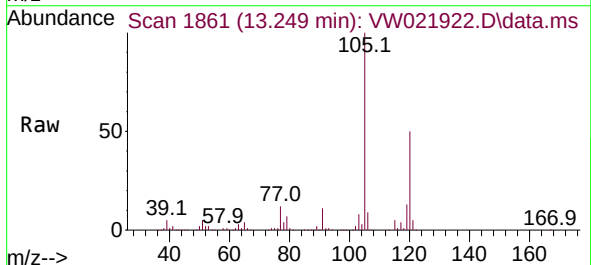
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025538

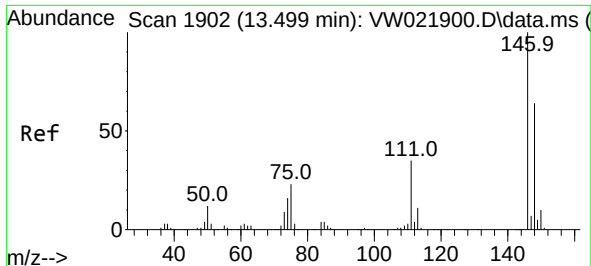
Tgt Ion:105 Resp: 228848  
Ion Ratio Lower Upper  
105 100  
120 53.3 37.4 56.2



#63  
1,2,4-Trimethylbenzene  
Concen: 23.979 ug/L  
RT: 13.249 min Scan# 1861  
Delta R.T. 0.000 min  
Lab File: VW021922.D  
Acq: 14 Jan 2022 22:06

Tgt Ion:105 Resp: 231971  
Ion Ratio Lower Upper  
105 100  
120 48.9 35.0 52.6

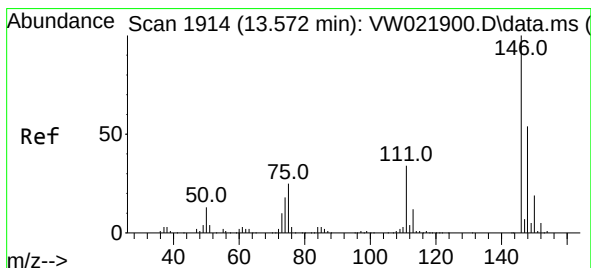
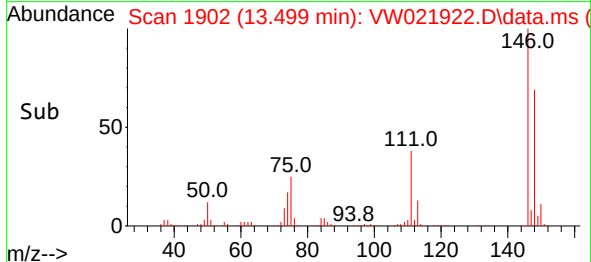
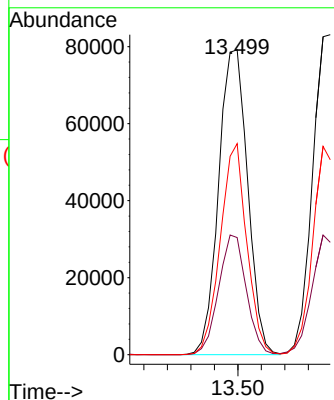
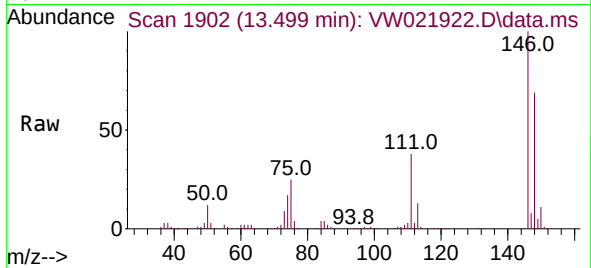




#64  
1,3-Dichlorobenzene  
Concen: 22.856 ug/L  
RT: 13.499 min Scan# 1902  
Delta R.T. 0.000 min  
Lab File: VW021922.D  
Acq: 14 Jan 2022 22:06

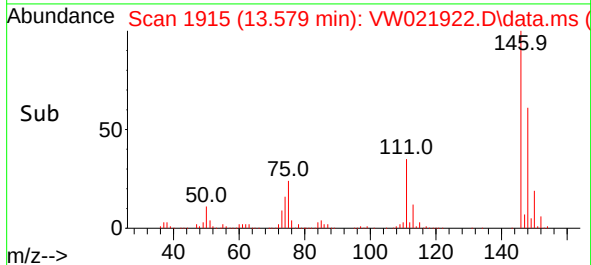
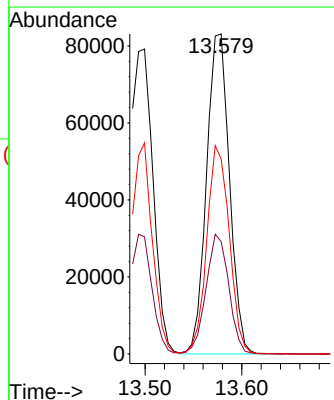
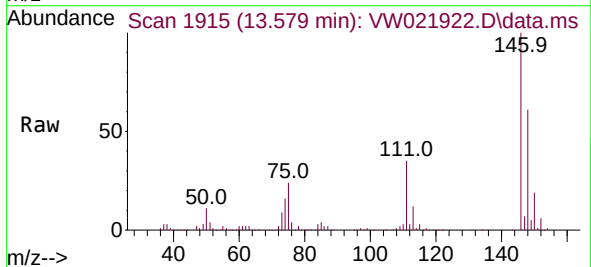
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025538

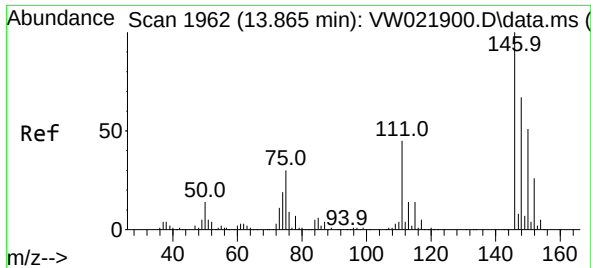
Tgt Ion:146 Resp: 136117  
Ion Ratio Lower Upper  
146 100  
111 38.4 29.8 55.3  
148 69.2 46.2 85.8



#65  
1,4-Dichlorobenzene  
Concen: 23.302 ug/L  
RT: 13.579 min Scan# 1915  
Delta R.T. 0.006 min  
Lab File: VW021922.D  
Acq: 14 Jan 2022 22:06

Tgt Ion:146 Resp: 137017  
Ion Ratio Lower Upper  
146 100  
111 35.1 29.0 53.9  
148 60.9 46.9 87.1





#67

1,2-Dichlorobenzene

Concen: 23.432 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VW021922.D

Acq: 14 Jan 2022 22:06

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025538

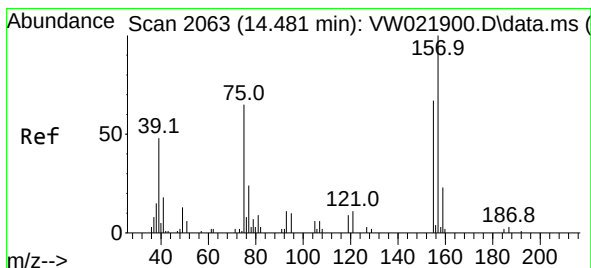
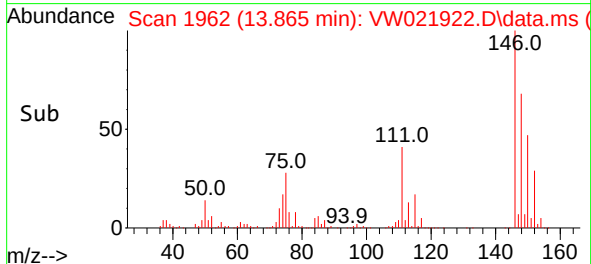
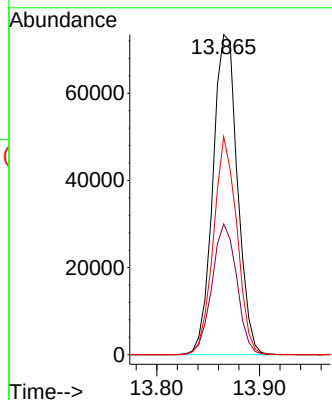
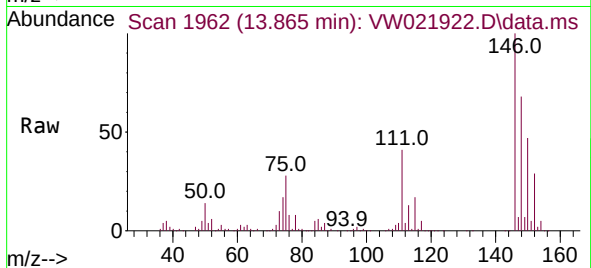
Tgt Ion:146 Resp: 122179

Ion Ratio Lower Upper

146 100

111 40.8 33.1 49.7

148 68.1 47.4 71.2



#68

1,2-Dibromo-3-chloropropane

Concen: 27.907 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VW021922.D

Acq: 14 Jan 2022 22:06

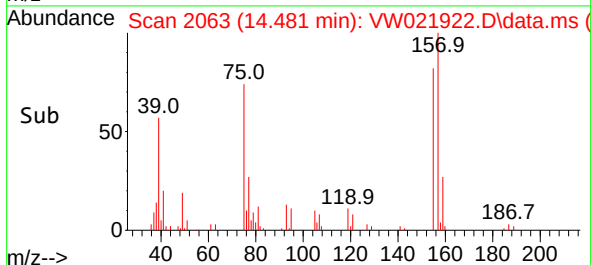
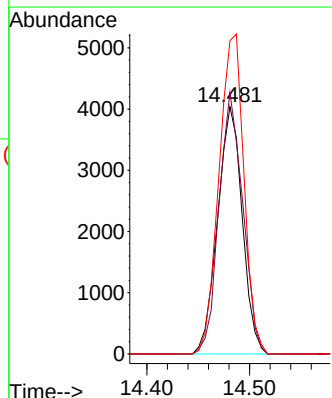
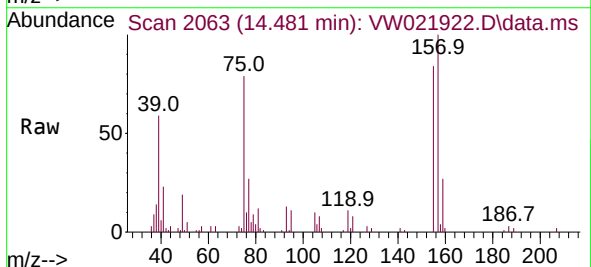
Tgt Ion: 75 Resp: 6699

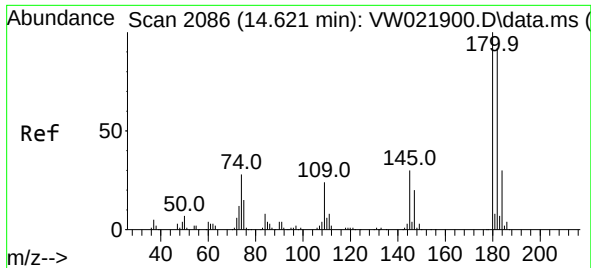
Ion Ratio Lower Upper

75 100

155 105.8 54.2 81.2#

157 126.7 69.4 104.2#





#69

1,3,5-Trichlorobenzene

Concen: 22.458 ug/L

RT: 14.627 min Scan# 2086

Delta R.T. 0.006 min

Lab File: VW021922.D

Acq: 14 Jan 2022 22:06

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025538

Tgt Ion:180 Resp: 99405

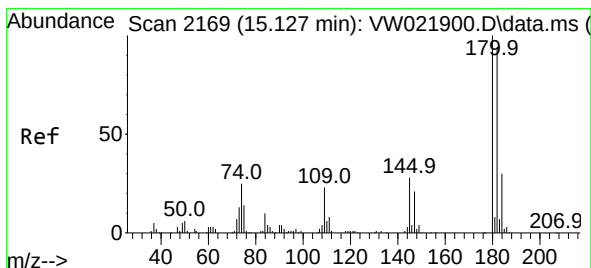
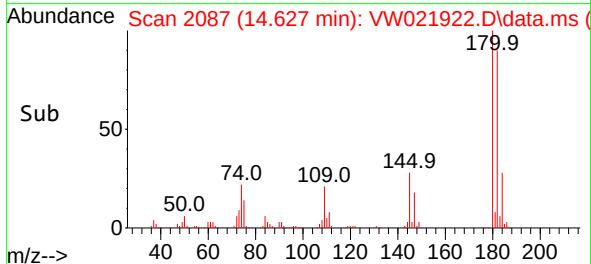
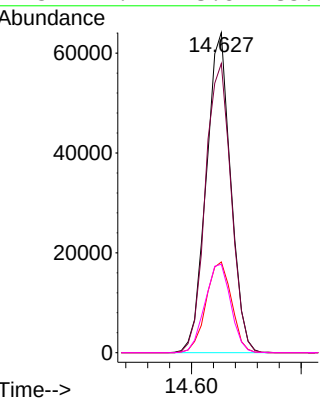
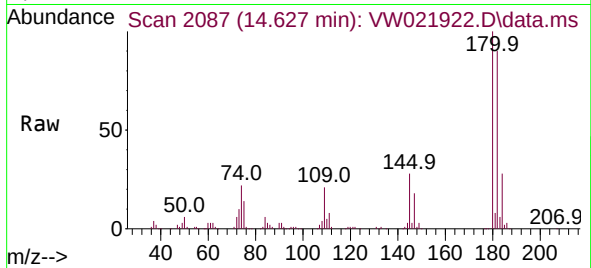
Ion Ratio Lower Upper

180 100

182 94.8 75.4 113.0

184 29.6 23.8 35.8

145 29.2 23.8 35.8



#70

1,2,4-trichlorobenzene

Concen: 22.797 ug/L

RT: 15.121 min Scan# 2168

Delta R.T. -0.006 min

Lab File: VW021922.D

Acq: 14 Jan 2022 22:06

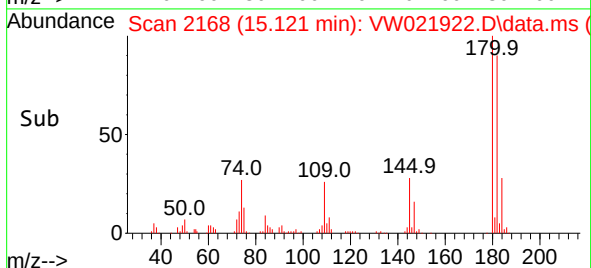
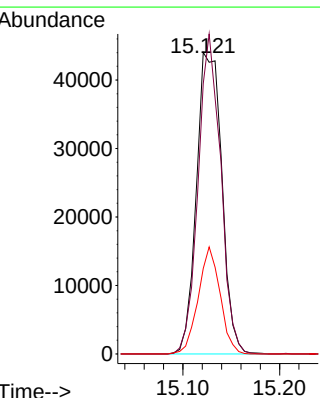
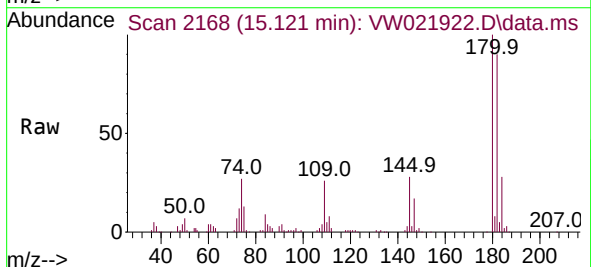
Tgt Ion:180 Resp: 80401

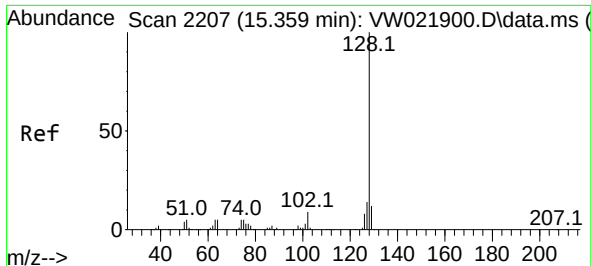
Ion Ratio Lower Upper

180 100

182 94.0 79.0 118.6

145 30.5 26.0 39.0

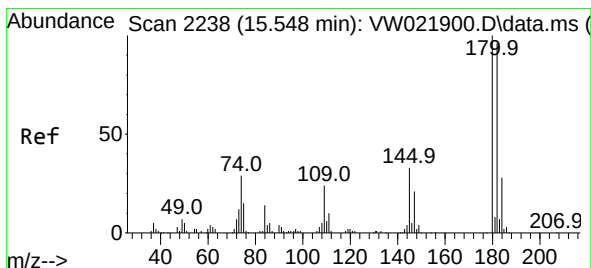
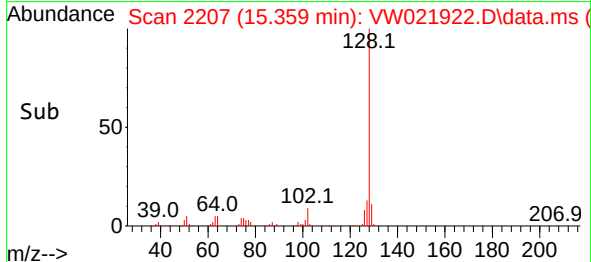
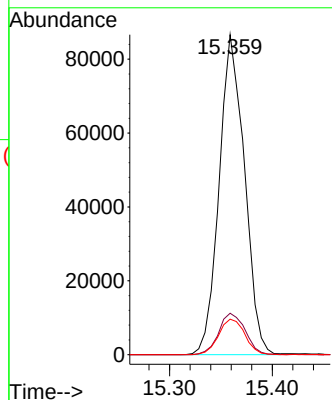
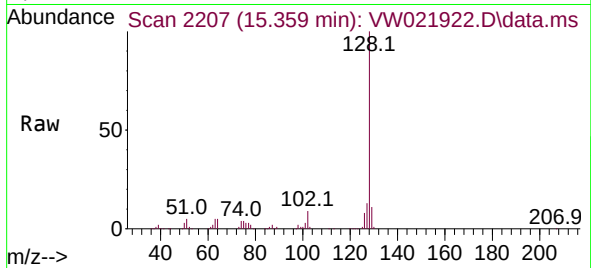




#71  
Naphthalene  
Concen: 27.232 ug/L  
RT: 15.359 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VW021922.D  
Acq: 14 Jan 2022 22:06

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025538

Tgt Ion:128 Resp: 148154  
Ion Ratio Lower Upper  
128 100  
127 13.6 10.7 16.1  
129 11.5 8.6 12.8



#72  
1,2,3-Trichlorobenzene  
Concen: 23.790 ug/L  
RT: 15.554 min Scan# 2239  
Delta R.T. 0.006 min  
Lab File: VW021922.D  
Acq: 14 Jan 2022 22:06

Tgt Ion:180 Resp: 69289  
Ion Ratio Lower Upper  
180 100  
182 92.1 76.6 114.8  
145 33.4 27.4 41.0

