

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW110222\  
 Data File : VW024999.D  
 Acq On : 02 Nov 2022 09:52  
 Operator : SY/VA  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025483

Quant Time: Nov 03 06:29:12 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM102622SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Oct 27 23:51:01 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 271646   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 247197   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 134406   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.355  | 65    | 60236    | 19.756   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 79.040%  |
| 7) Chloroethane-d5            | 2.885  | 69    | 35560    | 19.909   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 79.640%  |
| 11) 1,1-Dichloroethene-d2     | 4.019  | 63    | 163627   | 21.544   | ug/L   | -0.01    |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 86.160%  |
| 21) 2-Butanone-d5             | 7.080  | 46    | 46738    | 45.419   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 90.840%  |
| 24) Chloroform-d              | 7.647  | 84    | 206010   | 24.989   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 99.960%  |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 115266   | 24.978   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 99.920%  |
| 32) Benzene-d6                | 8.275  | 84    | 381563   | 24.082   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 96.320%  |
| 36) 1,2-Dichloropropane-d6    | 9.275  | 67    | 108695   | 23.413   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 93.640%  |
| 41) Toluene-d8                | 10.323 | 98    | 347365   | 23.549   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 94.200%  |
| 43) trans-1,3-Dichloroprop... | 10.573 | 79    | 51237    | 24.889   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 99.560%  |
| 47) 2-Hexanone-d5             | 10.921 | 63    | 38122    | 47.536   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 95.080%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.689 | 84    | 91045    | 24.561   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 98.240%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.847 | 152   | 122206   | 23.660   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 94.640%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.008  | 85    | 29537    | 32.600   | ug/L   | 100      |
| 3) Chloromethane              | 2.221  | 50    | 41449    | 19.020   | ug/L   | 96       |
| 5) Vinyl chloride             | 2.367  | 62    | 63844    | 21.203   | ug/L   | 95       |
| 6) Bromomethane               | 2.782  | 94    | 32599    | 21.694   | ug/L   | 97       |
| 8) Chloroethane               | 2.922  | 64    | 25020    | 19.919   | ug/L   | 95       |
| 9) Trichlorofluoromethane     | 3.257  | 101   | 47199    | 18.686   | ug/L   | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.056  | 101   | 86530    | 24.191   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 4.044  | 96    | 80164    | 23.790   | ug/L   | 92       |
| 13) Acetone                   | 4.123  | 43    | 32658    | 44.673   | ug/L   | 92       |
| 14) Carbon disulfide          | 4.385  | 76    | 220819   | 22.433   | ug/L   | 97       |
| 15) Methyl Acetate            | 4.672  | 43    | 32884    | 22.594   | ug/L   | 99       |
| 16) Methylene chloride        | 4.916  | 84    | 86535    | 17.942   | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 5.422  | 96    | 87200    | 24.167   | ug/L   | 91       |
| 18) Methyl tert-butyl Ether   | 5.428  | 73    | 141291   | 23.344   | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 6.214  | 63    | 158344   | 23.703   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.165  | 96    | 94171    | 23.946   | ug/L   | 97       |
| 22) 2-Butanone                | 7.171  | 43    | 45708    | 41.732   | ug/L   | 100      |
| 23) Bromochloromethane        | 7.513  | 128   | 41464    | 24.321   | ug/L   | 94       |
| 25) Chloroform                | 7.677  | 83    | 177495   | 25.176   | ug/L   | 93       |

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 ALS Vial : 1 Sample Multiplier: 1

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 ClientSampleId :  
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 Quant Title : SFAM01.0  
 QLast Update : Thu Oct 27 23:51:01 2022  
 Response via : Initial Calibration

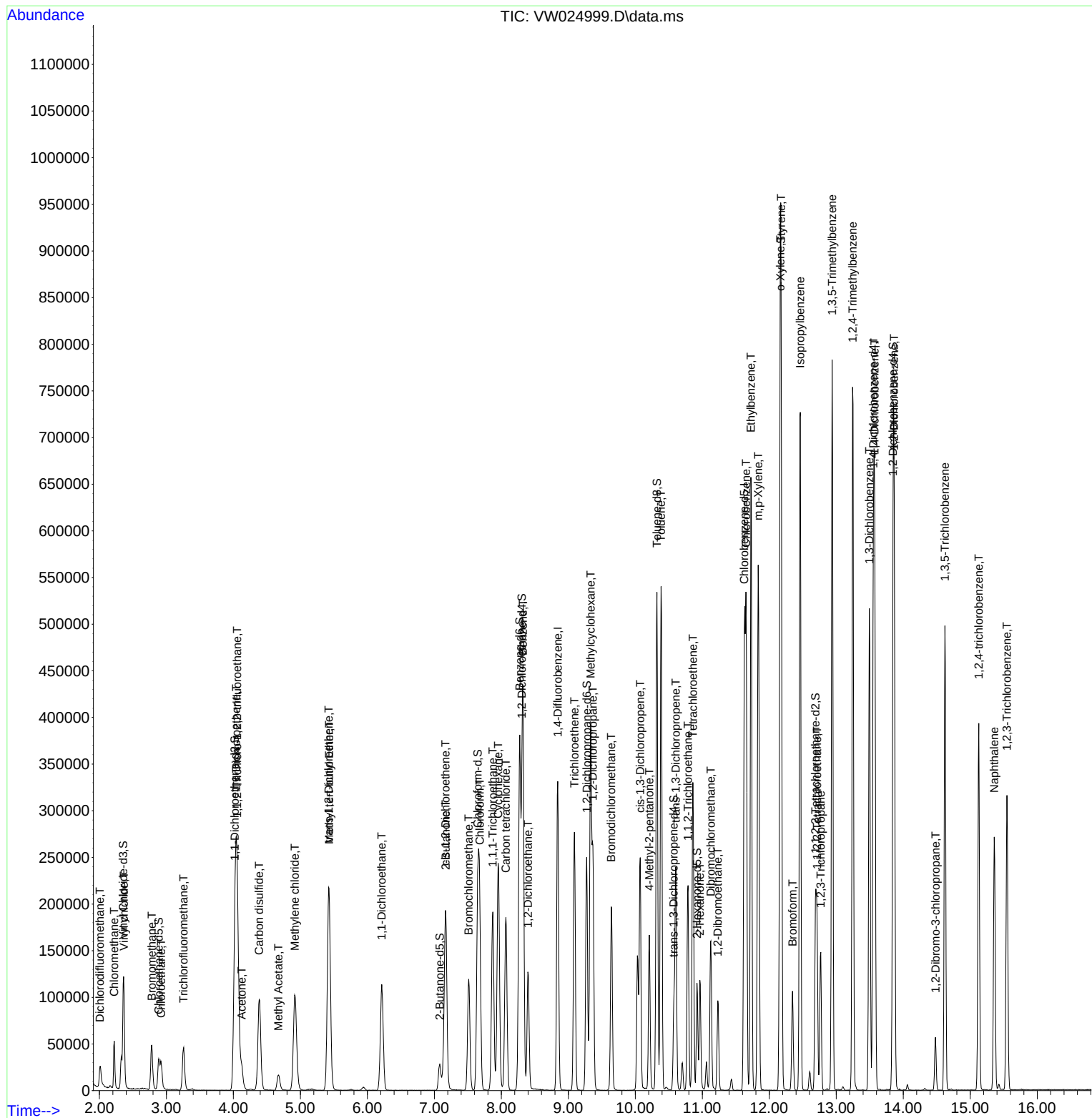
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.397  | 62   | 120768   | 25.254 | ug/L  | 100      |
| 29) Cyclohexane               | 7.952  | 56   | 134255   | 23.001 | ug/L  | 96       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 155288   | 25.670 | ug/L  | 98       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 142340   | 26.332 | ug/L  | 98       |
| 33) Benzene                   | 8.323  | 78   | 366945   | 24.650 | ug/L  | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 95977    | 24.356 | ug/L  | 98       |
| 35) Methylcyclohexane         | 9.335  | 83   | 161667   | 24.144 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 86952    | 24.066 | ug/L  | 99       |
| 38) Bromodichloromethane      | 9.640  | 83   | 131808   | 26.139 | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 145672   | 25.504 | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 100985   | 47.630 | ug/L  | 99       |
| 42) Toluene                   | 10.384 | 91   | 392403   | 24.830 | ug/L  | 95       |
| 44) trans-1,3-Dichloropropene | 10.604 | 75   | 129886   | 25.579 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 67567    | 24.768 | ug/L  | 98       |
| 46) Tetrachloroethene         | 10.860 | 164  | 70143    | 24.889 | ug/L  | 99       |
| 48) 2-Hexanone                | 10.963 | 43   | 67010    | 45.700 | ug/L  | 97       |
| 49) Dibromochloromethane      | 11.128 | 129  | 86425    | 25.990 | ug/L  | 93       |
| 50) 1,2-Dibromoethane         | 11.232 | 107  | 63426    | 24.584 | ug/L  | 91       |
| 51) Chlorobenzene             | 11.652 | 112  | 255429   | 24.935 | ug/L  | 97       |
| 52) Ethylbenzene              | 11.725 | 91   | 456005   | 24.997 | ug/L  | 97       |
| 53) m,p-Xylene                | 11.835 | 106  | 173827   | 24.616 | ug/L  | 98       |
| 54) o-Xylene                  | 12.164 | 106  | 168564   | 25.303 | ug/L  | 96       |
| 55) Styrene                   | 12.176 | 104  | 292316   | 25.263 | ug/L  | 89       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 79904    | 24.417 | ug/L  | 96       |
| 59) Bromoform                 | 12.347 | 173  | 45992    | 24.193 | ug/L  | 97       |
| 60) Isopropylbenzene          | 12.463 | 105  | 475748   | 23.543 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 60765    | 22.503 | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.939 | 105  | 410342   | 23.393 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.243 | 105  | 410506   | 23.865 | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 13.493 | 146  | 196567   | 23.323 | ug/L  | 96       |
| 65) 1,4-Dichlorobenzene       | 13.573 | 146  | 205585   | 24.447 | ug/L  | 96       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 175985   | 23.224 | ug/L  | 92       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 14975    | 23.998 | ug/L  | 95       |
| 69) 1,3,5-Trichlorobenzene    | 14.621 | 180  | 142239   | 25.481 | ug/L  | 97       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 112730   | 25.982 | ug/L  | 100      |
| 71) Naphthalene               | 15.359 | 128  | 227065   | 24.809 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.548 | 180  | 97576    | 25.811 | ug/L  | 99       |

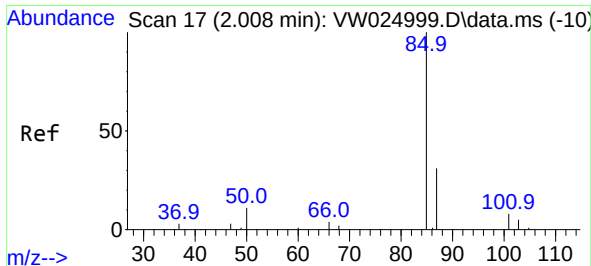
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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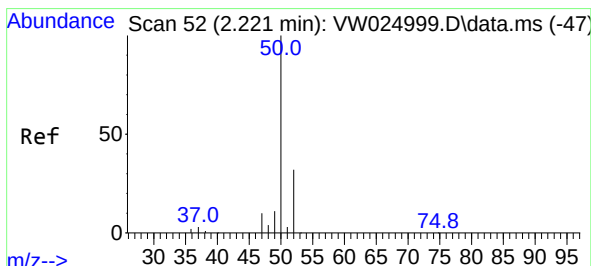
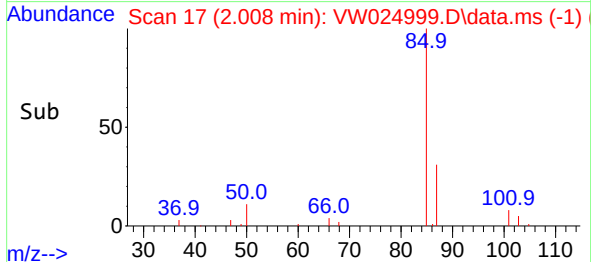
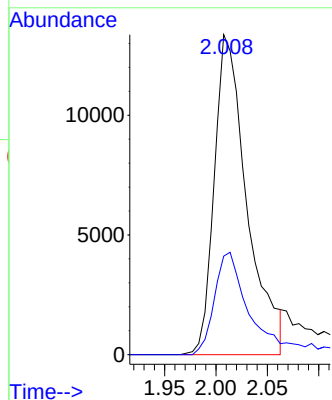
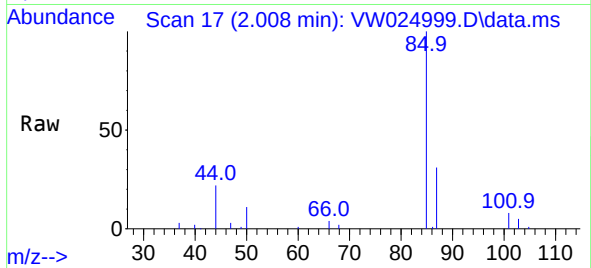




#2  
Dichlorodifluoromethane  
Concen: 32.600 ug/L  
RT: 2.008 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW024999.D  
Acq: 02 Nov 2022 09:52

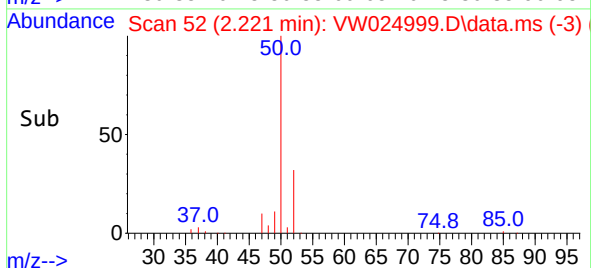
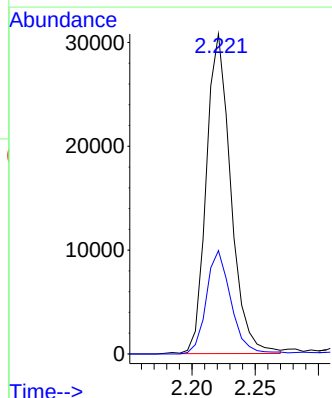
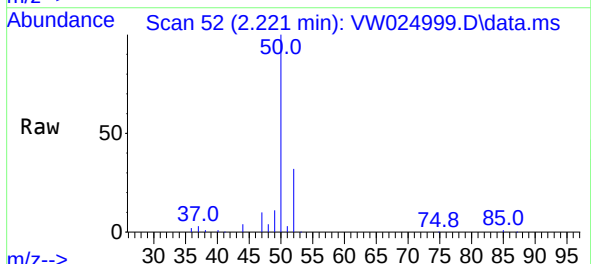
Instrument :  
MSVOA\_W  
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VSTD025483

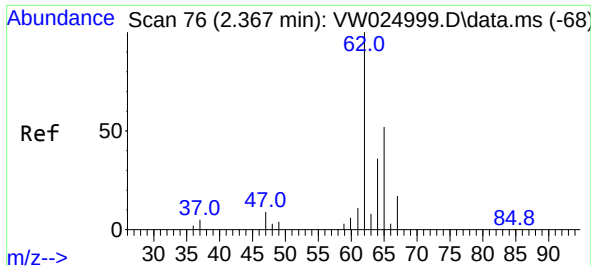
Tgt Ion: 85 Resp: 29537  
Ion Ratio Lower Upper  
85 100  
87 32.2 25.9 38.9



#3  
Chloromethane  
Concen: 19.020 ug/L  
RT: 2.221 min Scan# 52  
Delta R.T. 0.000 min  
Lab File: VW024999.D  
Acq: 02 Nov 2022 09:52

Tgt Ion: 50 Resp: 41449  
Ion Ratio Lower Upper  
50 100  
52 32.3 24.1 44.8

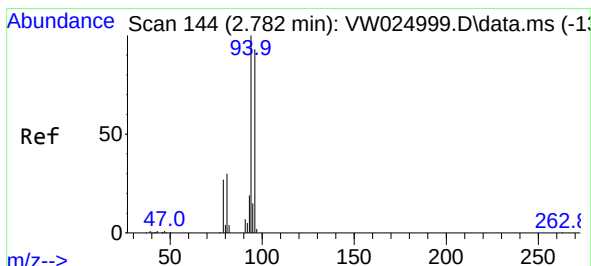
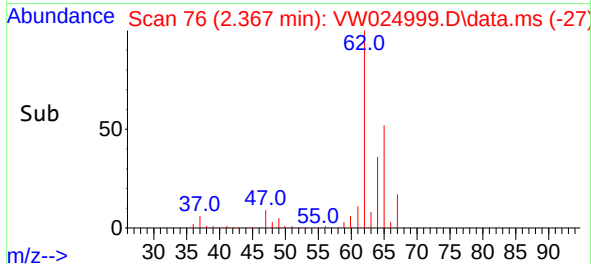
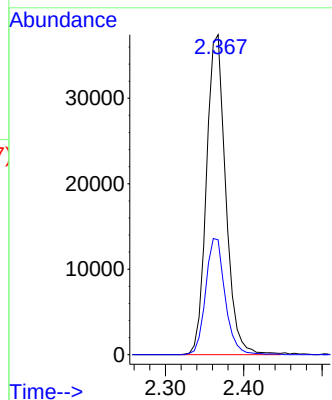
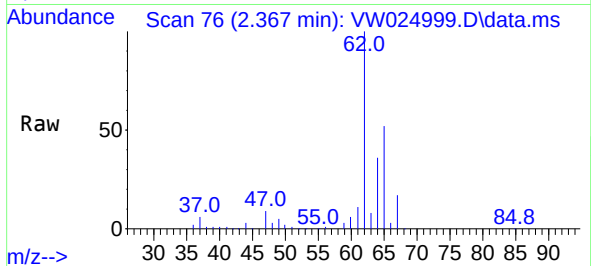




#5  
 Vinyl chloride  
 Concen: 21.203 ug/L  
 RT: 2.367 min Scan# 76  
 Delta R.T. 0.000 min  
 Lab File: VW024999.D  
 Acq: 02 Nov 2022 09:52

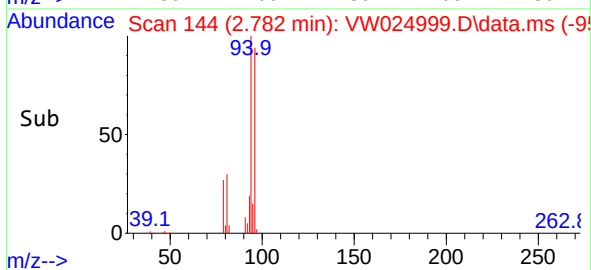
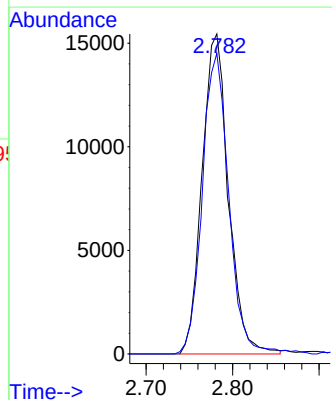
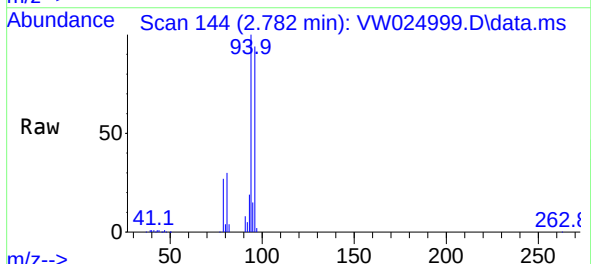
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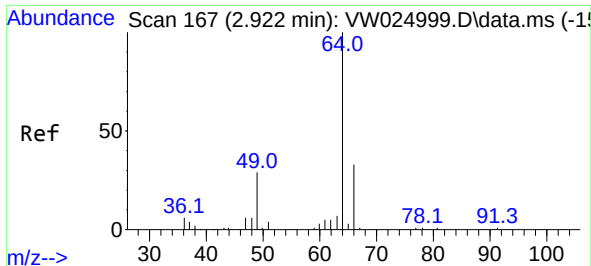
Tgt Ion: 62 Resp: 63844  
 Ion Ratio Lower Upper  
 62 100  
 64 35.9 27.2 50.6



#6  
 Bromomethane  
 Concen: 21.694 ug/L  
 RT: 2.782 min Scan# 144  
 Delta R.T. 0.000 min  
 Lab File: VW024999.D  
 Acq: 02 Nov 2022 09:52

Tgt Ion: 94 Resp: 32599  
 Ion Ratio Lower Upper  
 94 100  
 96 93.9 63.8 118.6

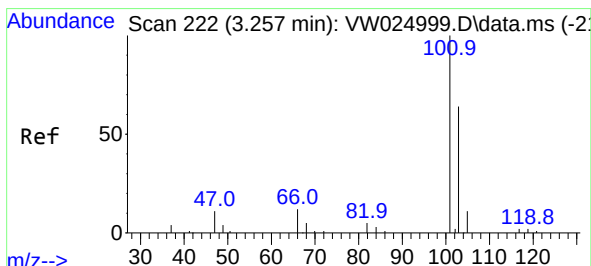
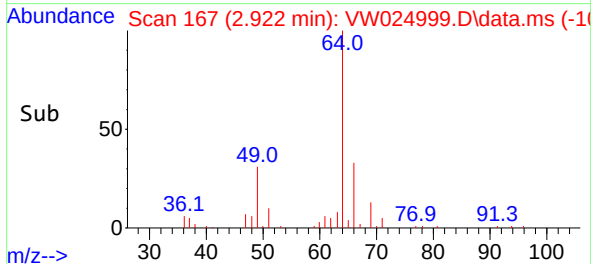
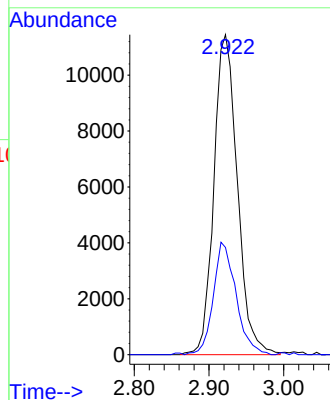
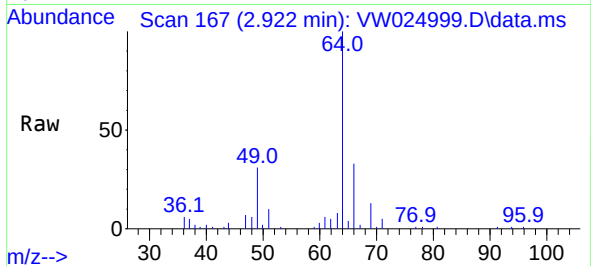




#8  
Chloroethane  
Concen: 19.919 ug/L  
RT: 2.922 min Scan# 167  
Delta R.T. -0.006 min  
Lab File: VW024999.D  
Acq: 02 Nov 2022 09:52

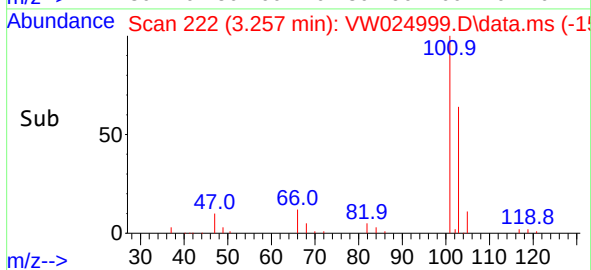
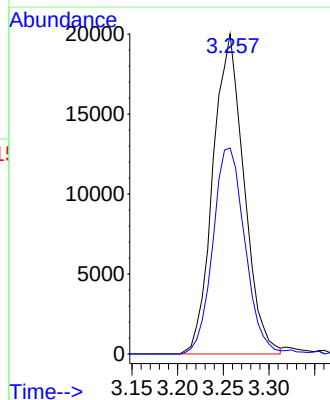
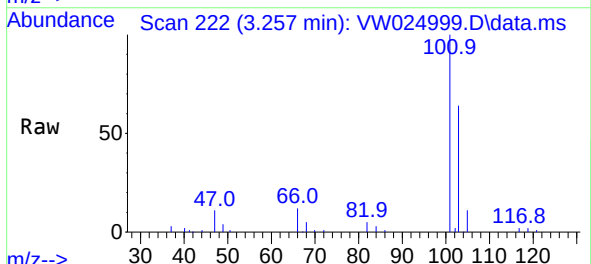
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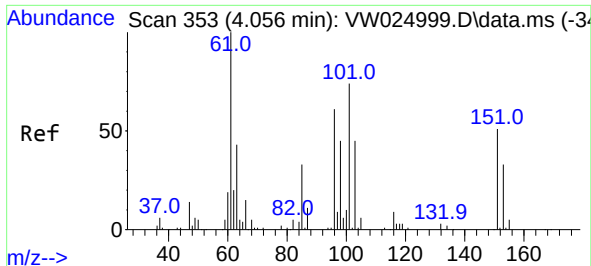
Tgt Ion: 64 Resp: 25020  
Ion Ratio Lower Upper  
64 100  
66 33.5 21.6 40.2



#9  
Trichlorofluoromethane  
Concen: 18.686 ug/L  
RT: 3.257 min Scan# 222  
Delta R.T. -0.006 min  
Lab File: VW024999.D  
Acq: 02 Nov 2022 09:52

Tgt Ion:101 Resp: 47199  
Ion Ratio Lower Upper  
101 100  
103 66.3 51.4 77.0

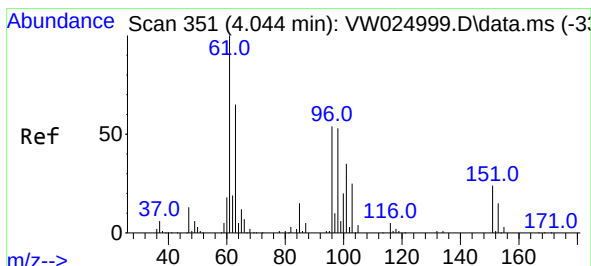
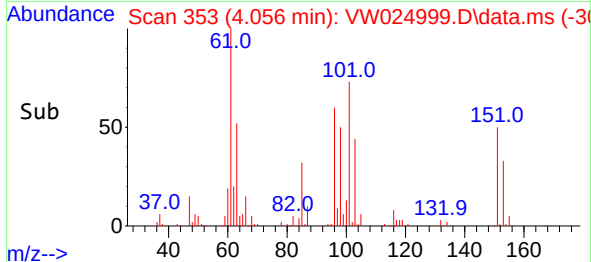
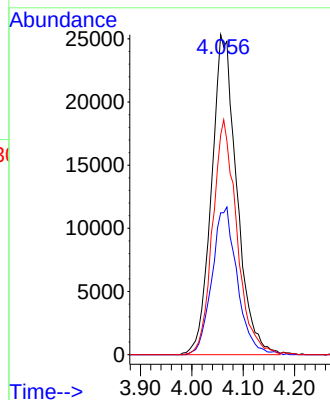
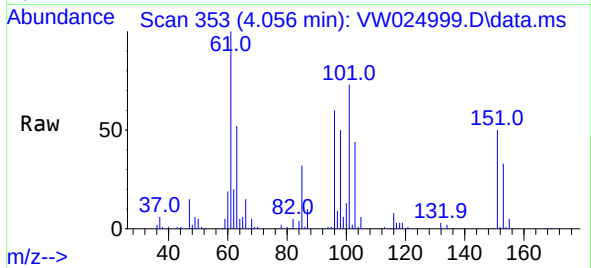




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 24.191 ug/L  
 RT: 4.056 min Scan# 353  
 Delta R.T. -0.006 min  
 Lab File: VW024999.D  
 Acq: 02 Nov 2022 09:52

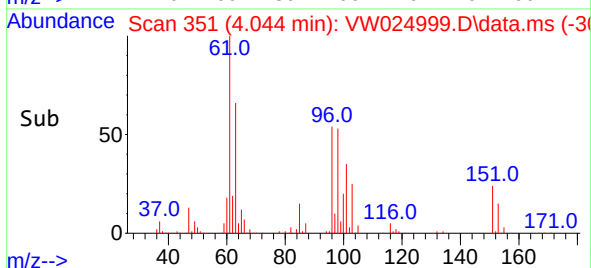
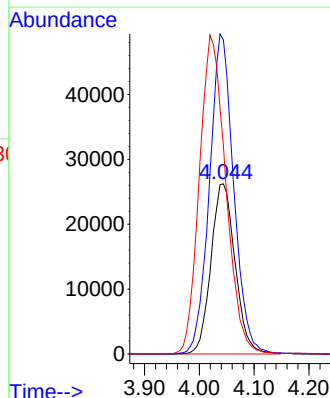
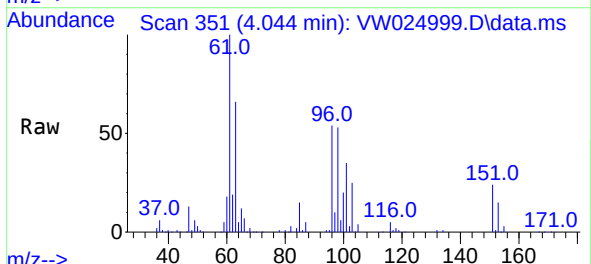
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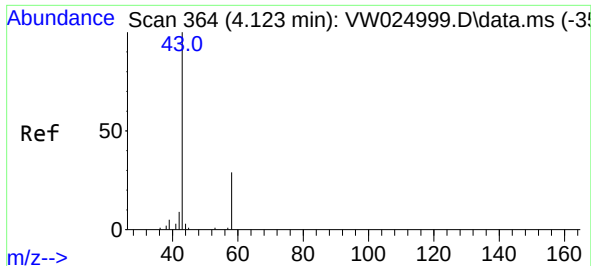
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 Ion Ratio Lower Upper  
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 85 45.7 36.5 54.7  
 151 70.2 57.3 85.9



#12  
 1,1-Dichloroethene  
 Concen: 23.790 ug/L  
 RT: 4.044 min Scan# 351  
 Delta R.T. 0.000 min  
 Lab File: VW024999.D  
 Acq: 02 Nov 2022 09:52

Tgt Ion: 96 Resp: 80164  
 Ion Ratio Lower Upper  
 96 100  
 61 184.7 126.2 234.4  
 63 122.5 98.3 182.7





#13

Acetone

Concen: 44.673 ug/L

RT: 4.123 min Scan# 364

Delta R.T. -0.012 min

Lab File: VW024999.D

Acq: 02 Nov 2022 09:52

Instrument :

MSVOA\_W

ClientSampleId :

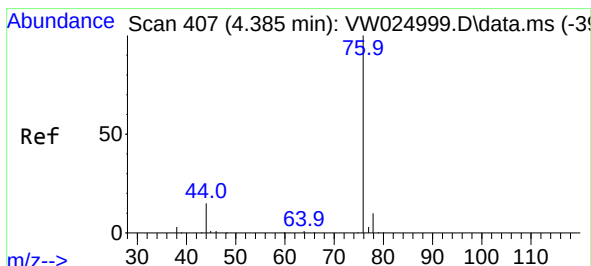
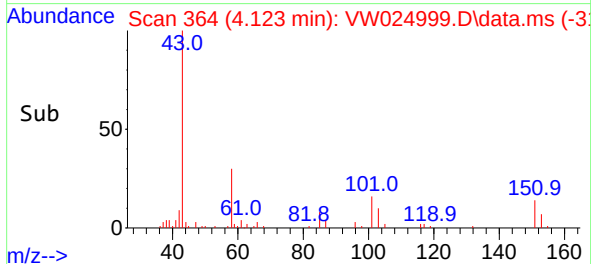
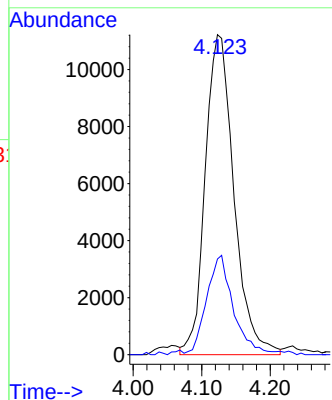
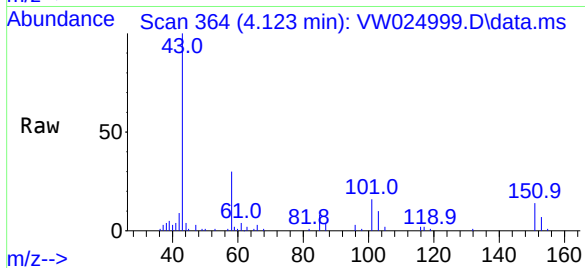
VSTD025483

Tgt Ion: 43 Resp: 32658

Ion Ratio Lower Upper

43 100

58 27.9 0.0 65.4



#14

Carbon disulfide

Concen: 22.433 ug/L

RT: 4.385 min Scan# 407

Delta R.T. -0.006 min

Lab File: VW024999.D

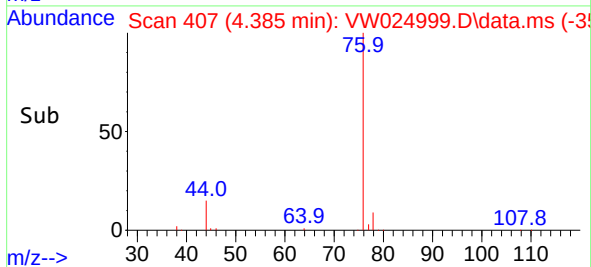
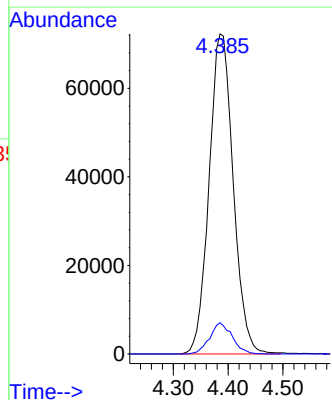
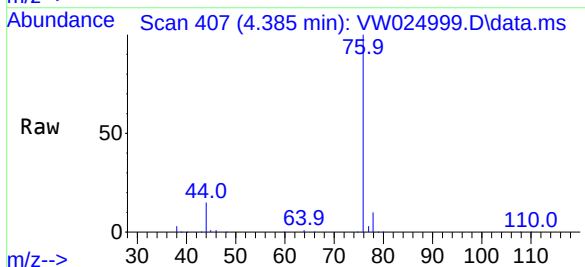
Acq: 02 Nov 2022 09:52

Tgt Ion: 76 Resp: 220819

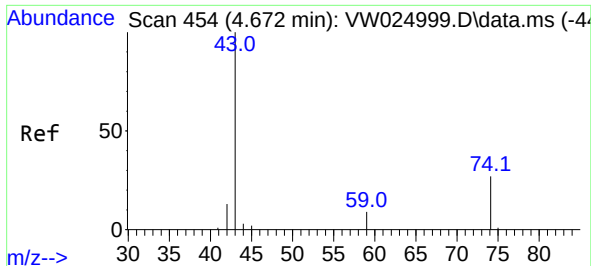
Ion Ratio Lower Upper

76 100

78 9.7 6.8 10.2



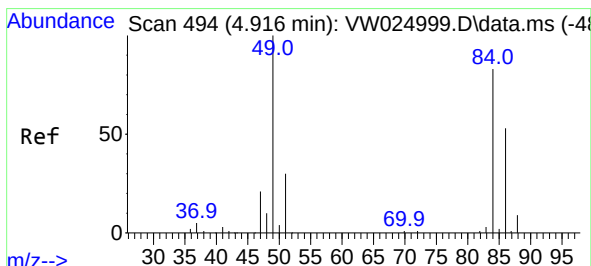
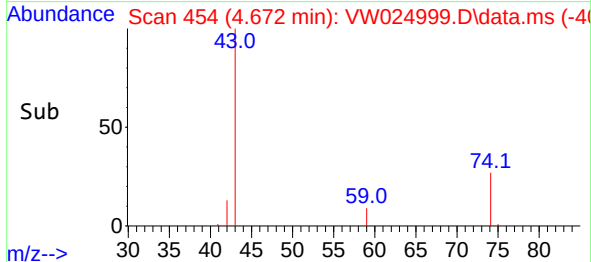
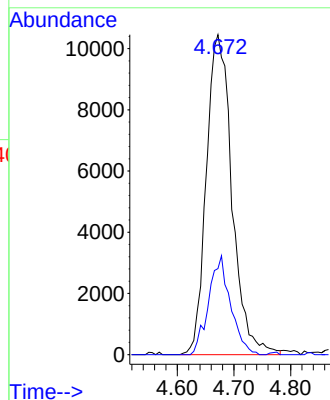
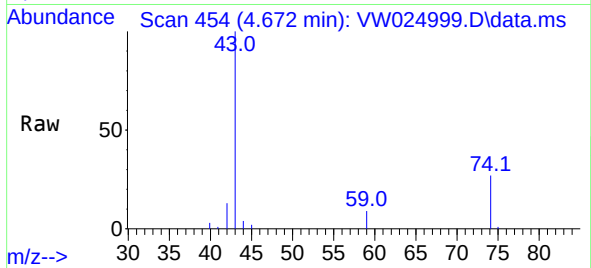




#15  
Methyl Acetate  
Concen: 22.594 ug/L  
RT: 4.672 min Scan# 454  
Delta R.T. -0.006 min  
Lab File: VW024999.D  
Acq: 02 Nov 2022 09:52

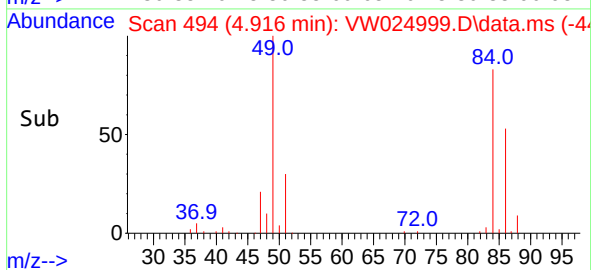
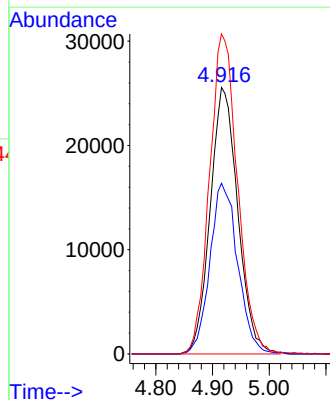
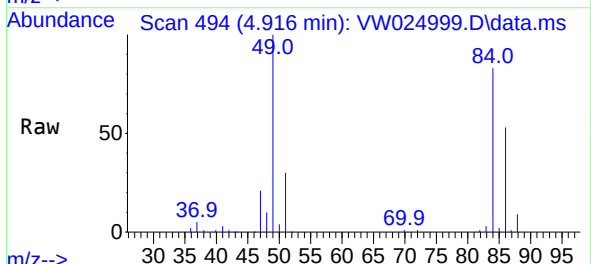
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025483

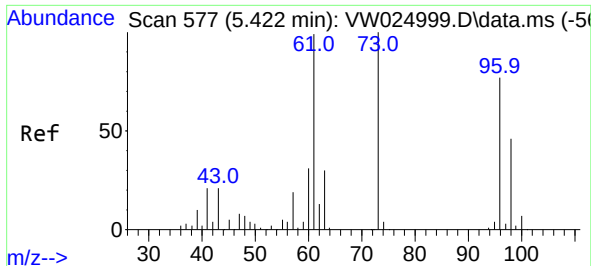
Tgt Ion: 43 Resp: 32884  
Ion Ratio Lower Upper  
43 100  
74 26.4 20.6 30.8



#16  
Methylene chloride  
Concen: 17.942 ug/L  
RT: 4.916 min Scan# 494  
Delta R.T. -0.006 min  
Lab File: VW024999.D  
Acq: 02 Nov 2022 09:52

Tgt Ion: 84 Resp: 86535  
Ion Ratio Lower Upper  
84 100  
86 64.0 42.6 79.0  
49 120.0 81.9 152.1

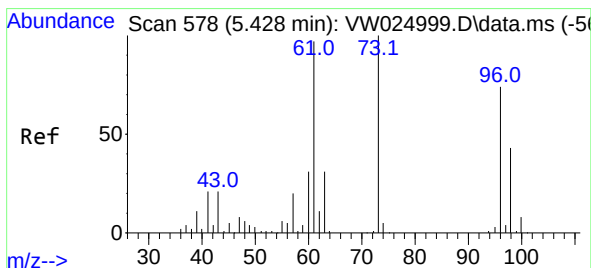
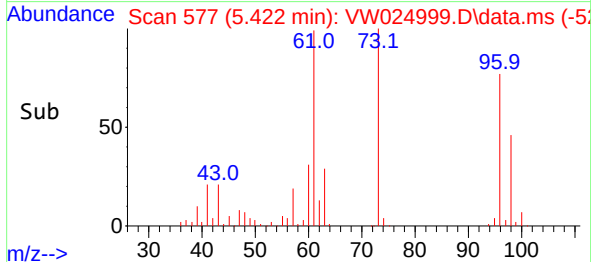
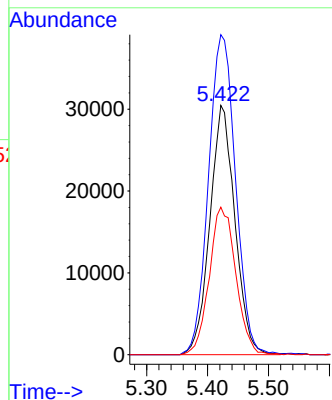
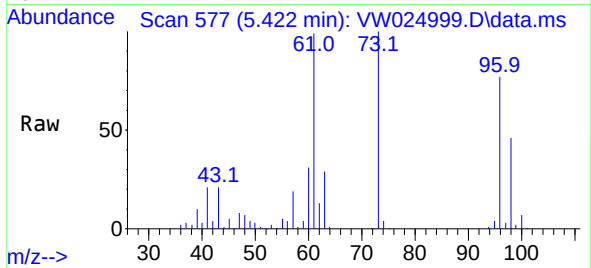




#17  
trans-1,2-Dichloroethene  
Concen: 24.167 ug/L  
RT: 5.422 min Scan# 577  
Delta R.T. -0.006 min  
Lab File: VW024999.D  
Acq: 02 Nov 2022 09:52

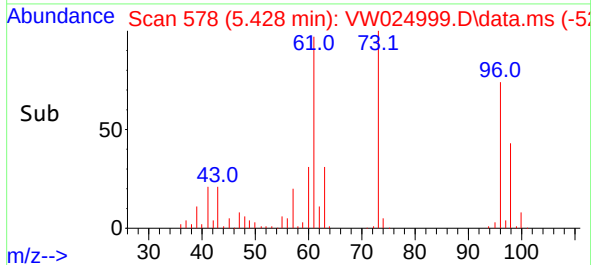
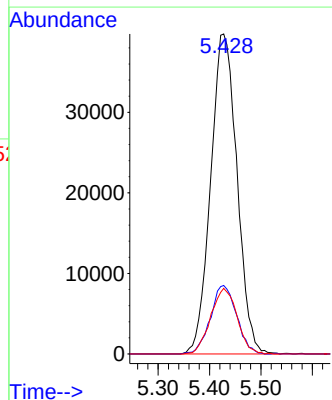
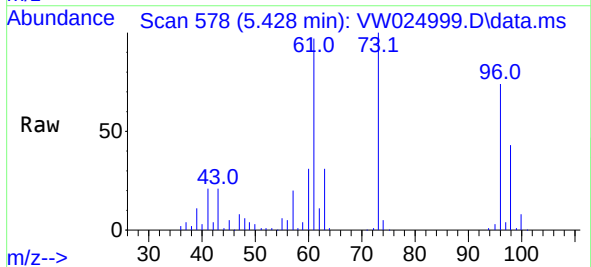
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025483

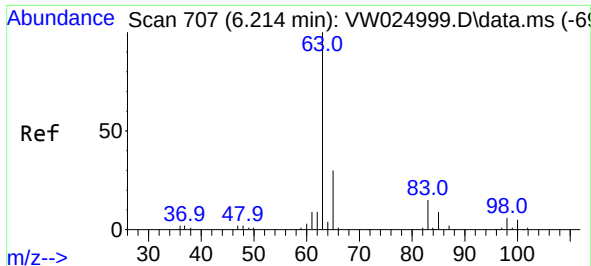
Tgt Ion: 96 Resp: 87200  
Ion Ratio Lower Upper  
96 100  
61 128.4 97.6 181.2  
98 59.2 46.8 86.8



#18  
Methyl tert-butyl Ether  
Concen: 23.344 ug/L  
RT: 5.428 min Scan# 578  
Delta R.T. 0.000 min  
Lab File: VW024999.D  
Acq: 02 Nov 2022 09:52

Tgt Ion: 73 Resp: 141291  
Ion Ratio Lower Upper  
73 100  
43 21.3 16.6 24.8  
57 20.6 17.1 25.7





#19

1,1-Dichloroethane

Concen: 23.703 ug/L

RT: 6.214 min Scan# 707

Delta R.T. -0.006 min

Lab File: VW024999.D

Acq: 02 Nov 2022 09:52

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025483

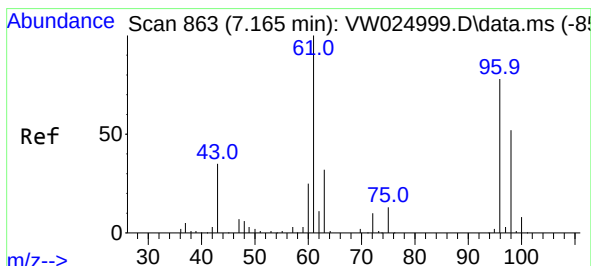
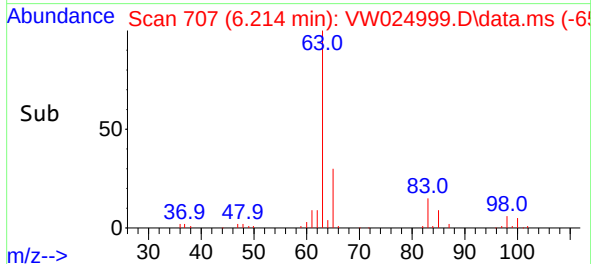
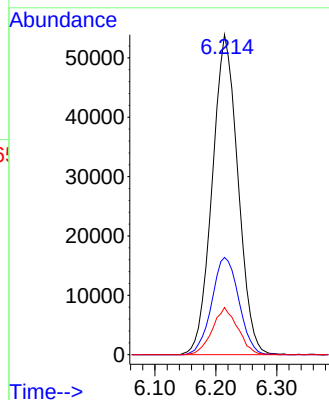
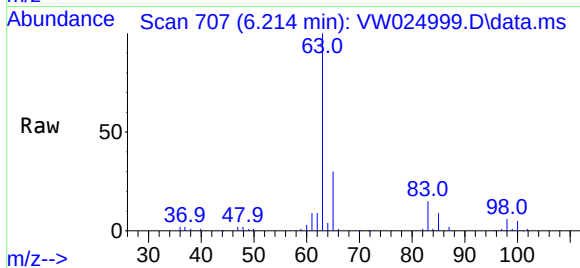
Tgt Ion: 63 Resp: 158344

Ion Ratio Lower Upper

63 100

65 30.4 22.2 41.2

83 14.8 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 23.946 ug/L

RT: 7.165 min Scan# 863

Delta R.T. 0.000 min

Lab File: VW024999.D

Acq: 02 Nov 2022 09:52

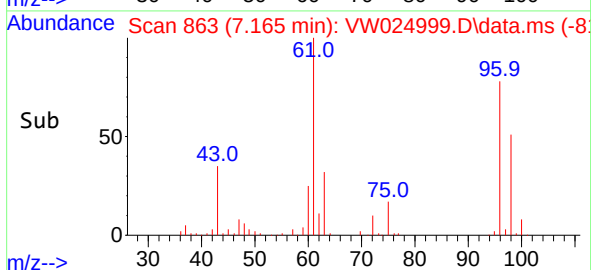
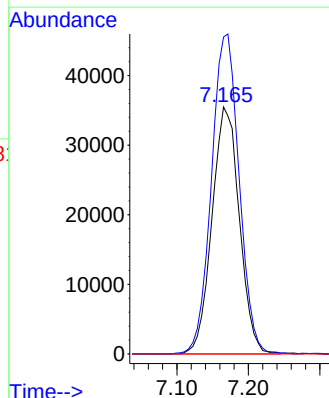
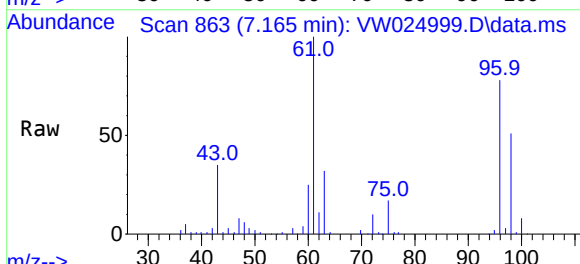
Tgt Ion: 96 Resp: 94171

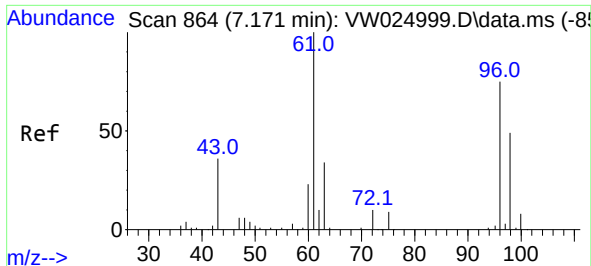
Ion Ratio Lower Upper

96 100

61 128.3 91.8 170.6

68 0.0 0.0 0.0

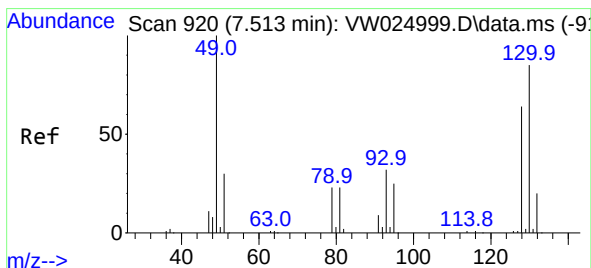
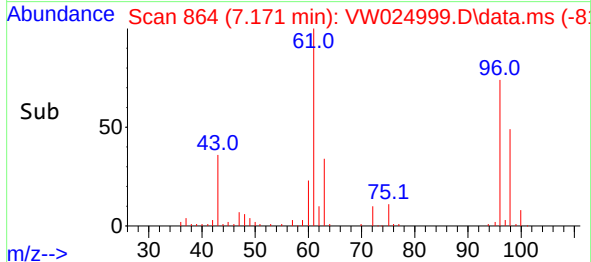
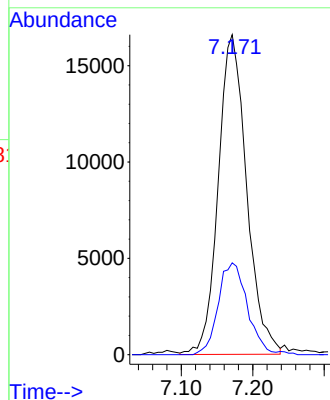
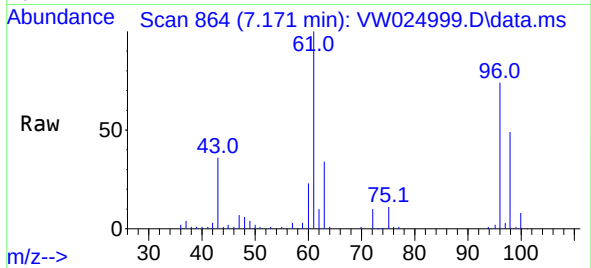




#22  
2-Butanone  
Concen: 41.732 ug/L  
RT: 7.171 min Scan# 864  
Delta R.T. -0.006 min  
Lab File: VW024999.D  
Acq: 02 Nov 2022 09:52

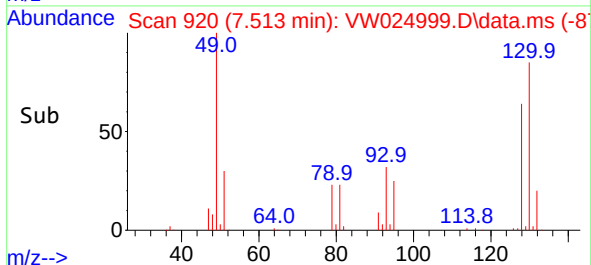
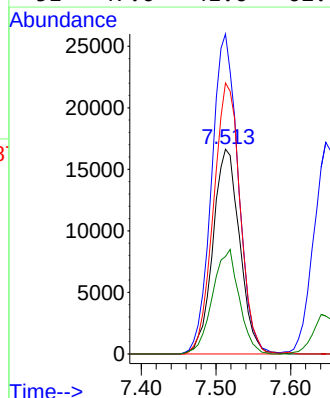
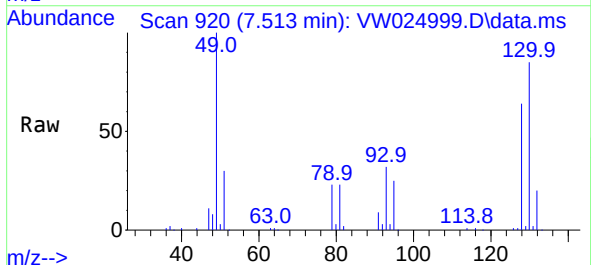
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025483

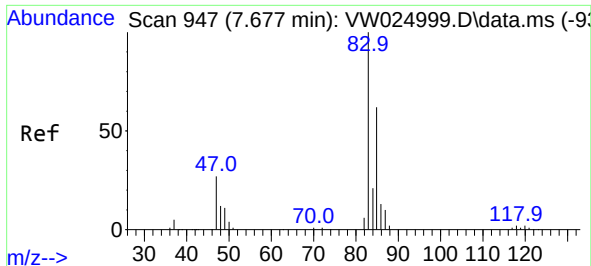
Tgt Ion: 43 Resp: 45708  
Ion Ratio Lower Upper  
43 100  
72 29.3 14.6 44.0



#23  
Bromochloromethane  
Concen: 24.321 ug/L  
RT: 7.513 min Scan# 920  
Delta R.T. -0.006 min  
Lab File: VW024999.D  
Acq: 02 Nov 2022 09:52

Tgt Ion: 128 Resp: 41464  
Ion Ratio Lower Upper  
128 100  
49 156.3 112.8 209.4  
130 132.4 86.2 160.2  
51 47.6 41.6 62.4

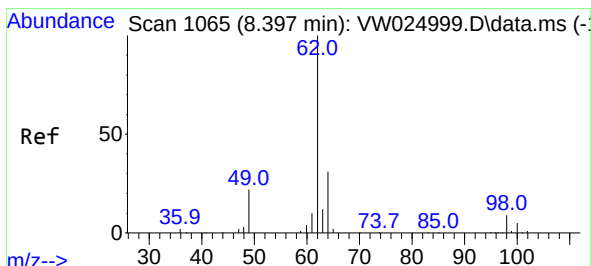
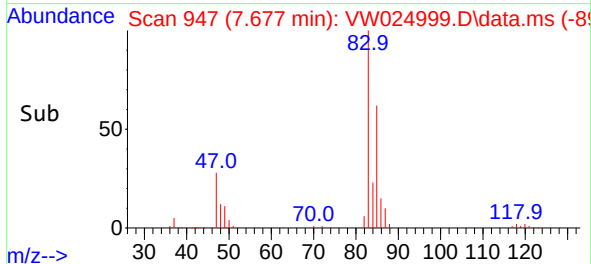
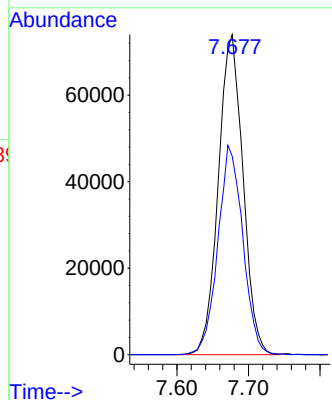
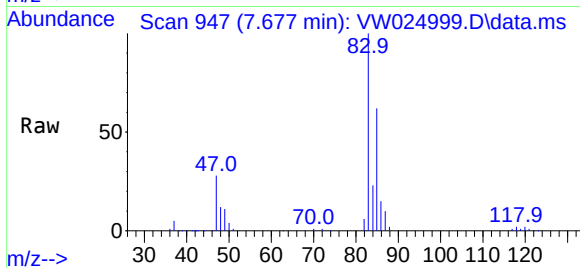




#25  
Chloroform  
Concen: 25.176 ug/L  
RT: 7.677 min Scan# 947  
Delta R.T. 0.000 min  
Lab File: VW024999.D  
Acq: 02 Nov 2022 09:52

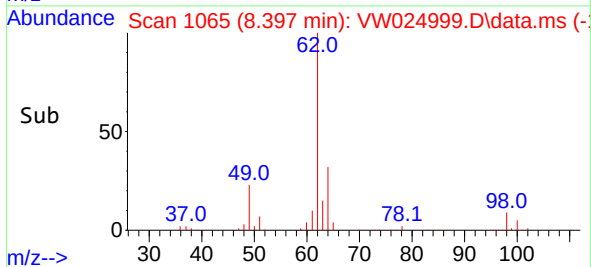
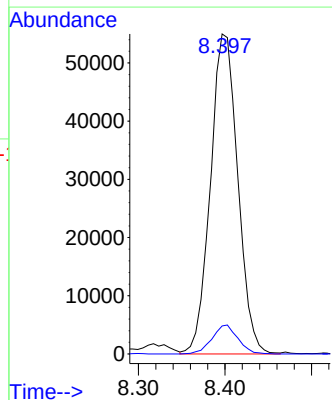
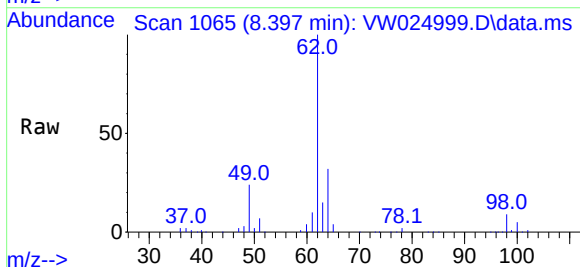
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025483

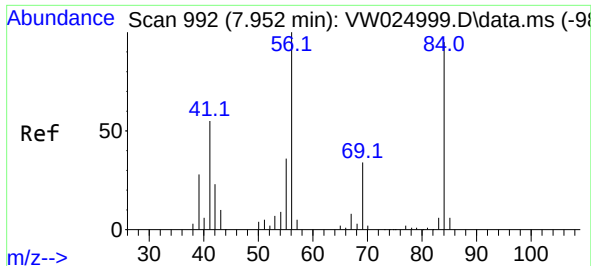
Tgt Ion: 83 Resp: 177495  
Ion Ratio Lower Upper  
83 100  
85 62.0 47.5 88.3



#27  
1,2-Dichloroethane  
Concen: 25.254 ug/L  
RT: 8.397 min Scan# 1065  
Delta R.T. -0.006 min  
Lab File: VW024999.D  
Acq: 02 Nov 2022 09:52

Tgt Ion: 62 Resp: 120768  
Ion Ratio Lower Upper  
62 100  
98 8.7 7.0 10.4

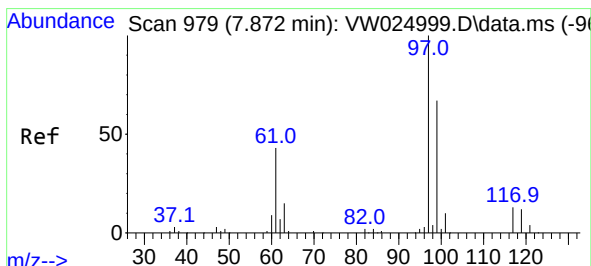
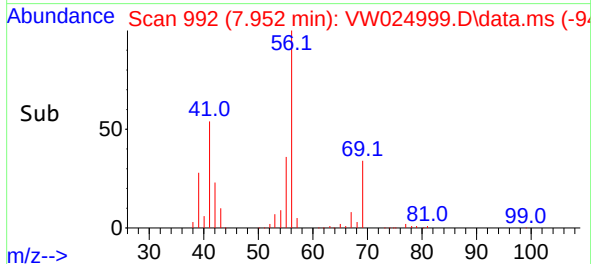
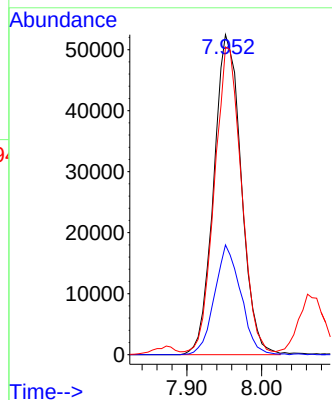
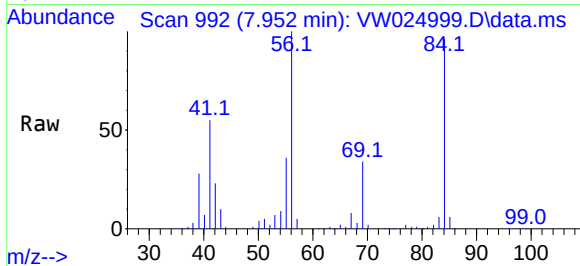




#29  
Cyclohexane  
Concen: 23.001 ug/L  
RT: 7.952 min Scan# 992  
Delta R.T. -0.006 min  
Lab File: VW024999.D  
Acq: 02 Nov 2022 09:52

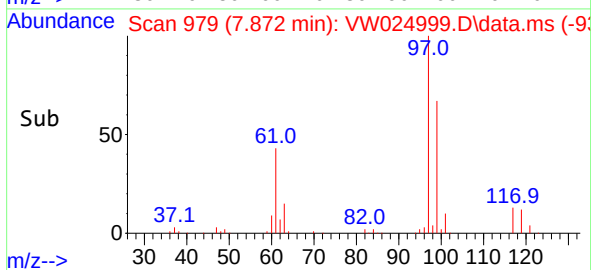
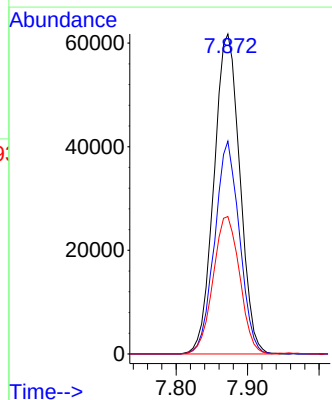
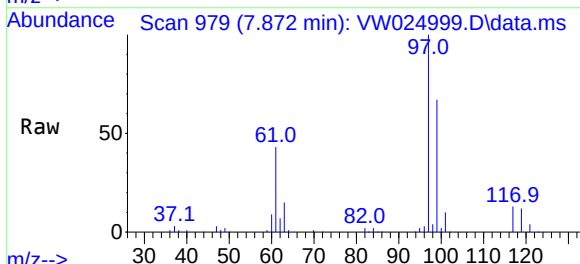
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025483

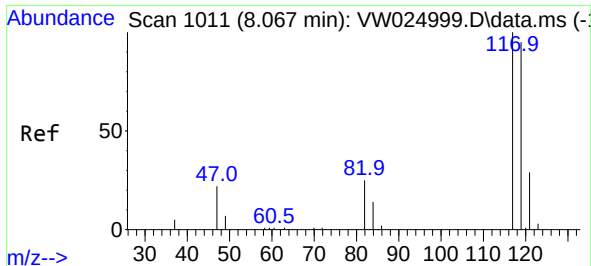
Tgt Ion: 56 Resp: 134255  
Ion Ratio Lower Upper  
56 100  
69 32.7 25.0 37.4  
84 94.8 72.6 108.8



#30  
1,1,1-Trichloroethane  
Concen: 25.670 ug/L  
RT: 7.872 min Scan# 979  
Delta R.T. -0.006 min  
Lab File: VW024999.D  
Acq: 02 Nov 2022 09:52

Tgt Ion: 97 Resp: 155288  
Ion Ratio Lower Upper  
97 100  
99 63.9 51.8 77.8  
61 44.1 36.6 54.8

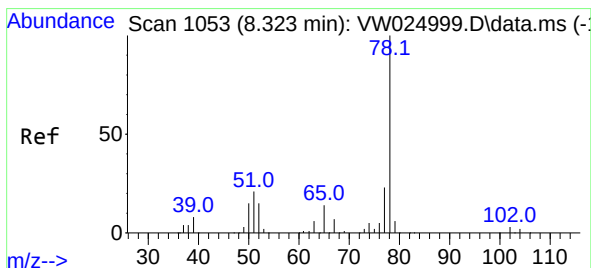
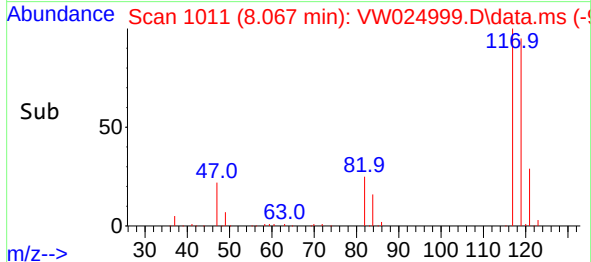
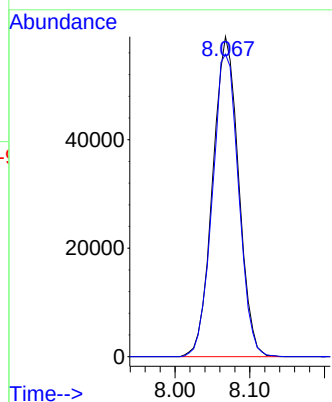
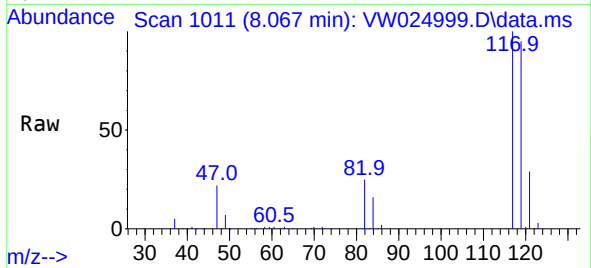




#31  
Carbon tetrachloride  
Concen: 26.332 ug/L  
RT: 8.067 min Scan# 1011  
Delta R.T. 0.000 min  
Lab File: VW024999.D  
Acq: 02 Nov 2022 09:52

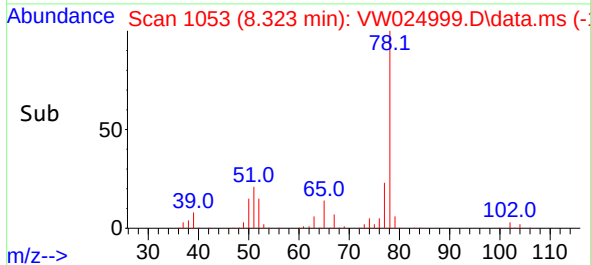
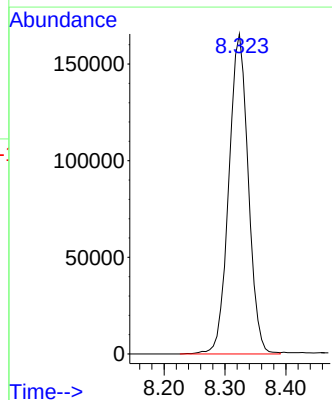
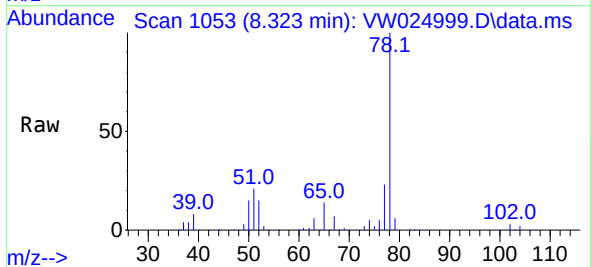
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025483

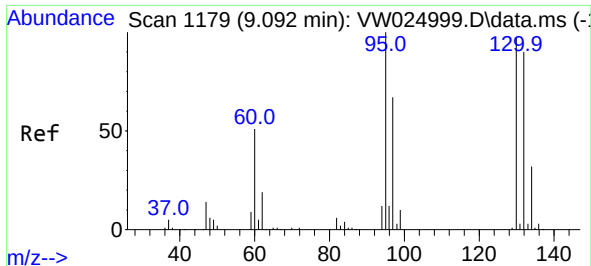
Tgt Ion:117 Resp: 142340  
Ion Ratio Lower Upper  
117 100  
119 95.4 77.7 116.5



#33  
Benzene  
Concen: 24.650 ug/L  
RT: 8.323 min Scan# 1053  
Delta R.T. 0.000 min  
Lab File: VW024999.D  
Acq: 02 Nov 2022 09:52

Tgt Ion: 78 Resp: 366945



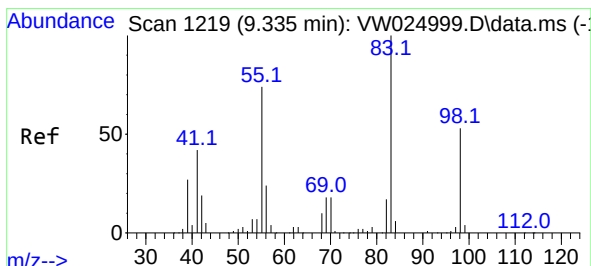
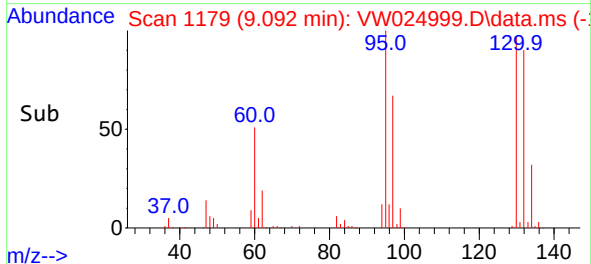
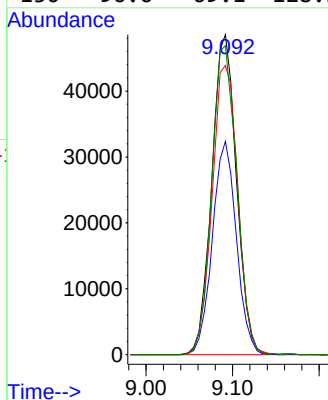
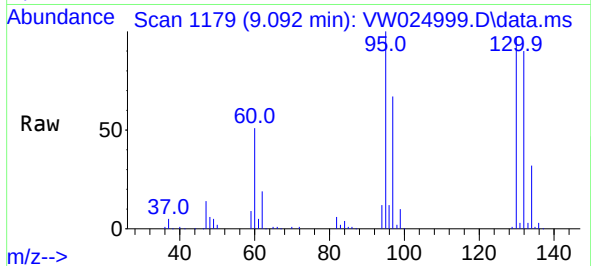


#34  
Trichloroethene  
Concen: 24.356 ug/L  
RT: 9.092 min Scan# 1179  
Delta R.T. 0.000 min  
Lab File: VW024999.D  
Acq: 02 Nov 2022 09:52

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025483

Tgt Ion: 95 Resp: 95977

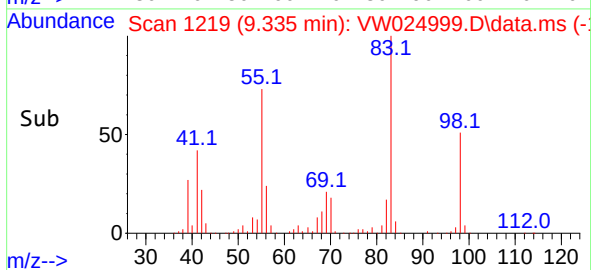
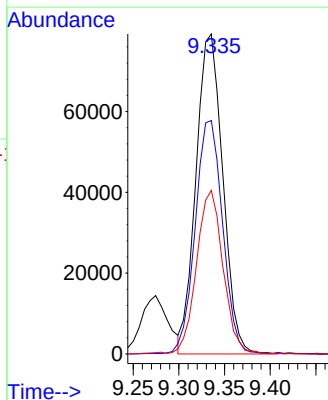
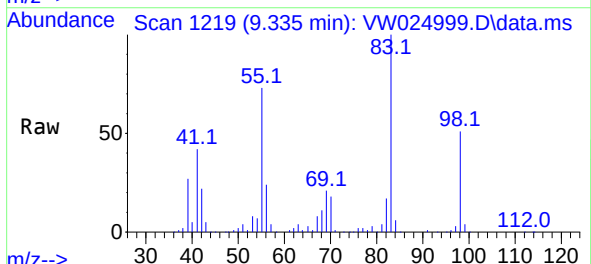
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 66.7  | 44.7  | 83.1  |
| 132 | 90.4  | 62.6  | 116.2 |
| 130 | 96.6  | 69.1  | 128.3 |



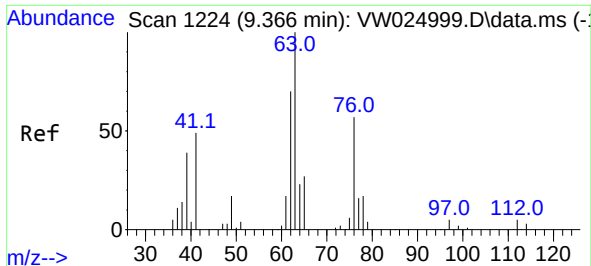
#35  
Methylcyclohexane  
Concen: 24.144 ug/L  
RT: 9.335 min Scan# 1219  
Delta R.T. 0.000 min  
Lab File: VW024999.D  
Acq: 02 Nov 2022 09:52

Tgt Ion: 83 Resp: 161667

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 74.2  | 60.4  | 90.6  |
| 98  | 50.2  | 39.5  | 59.3  |







#37

1,2-Dichloropropane

Concen: 24.066 ug/L

RT: 9.366 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW024999.D

Acq: 02 Nov 2022 09:52

Instrument :

MSVOA\_W

ClientSampleId :

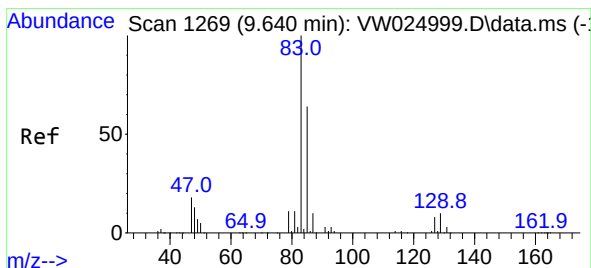
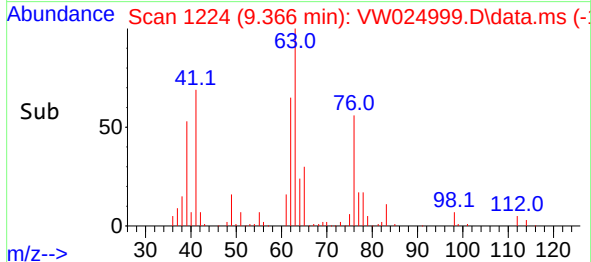
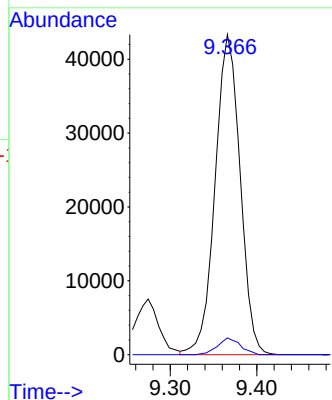
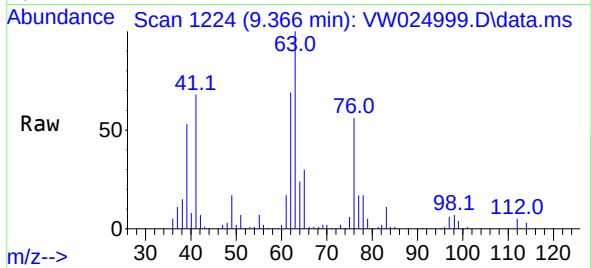
VSTD025483

Tgt Ion: 63 Resp: 86952

Ion Ratio Lower Upper

63 100

112 4.8 3.6 5.4



#38

Bromodichloromethane

Concen: 26.139 ug/L

RT: 9.640 min Scan# 1269

Delta R.T. -0.006 min

Lab File: VW024999.D

Acq: 02 Nov 2022 09:52

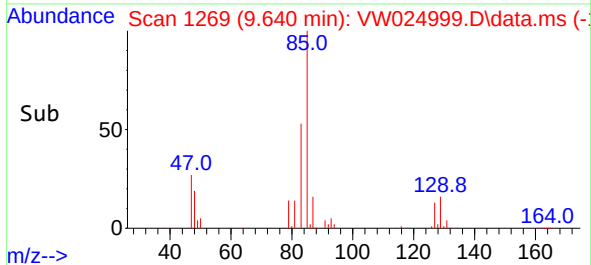
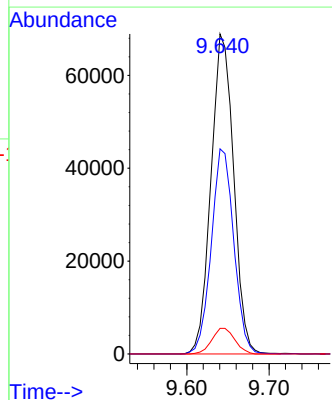
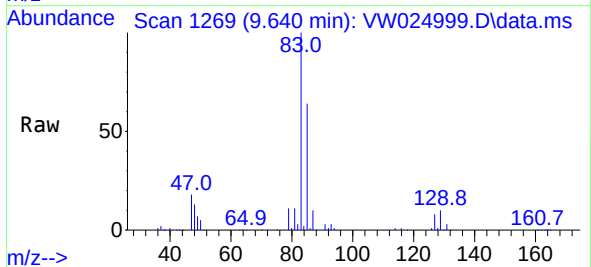
Tgt Ion: 83 Resp: 131808

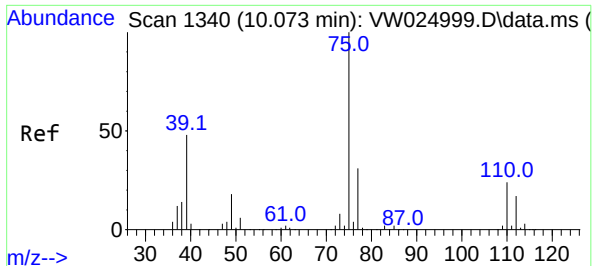
Ion Ratio Lower Upper

83 100

85 64.1 45.8 85.0

127 8.0 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 25.504 ug/L

RT: 10.073 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW024999.D

Acq: 02 Nov 2022 09:52

Instrument :

MSVOA\_W

ClientSampleId :

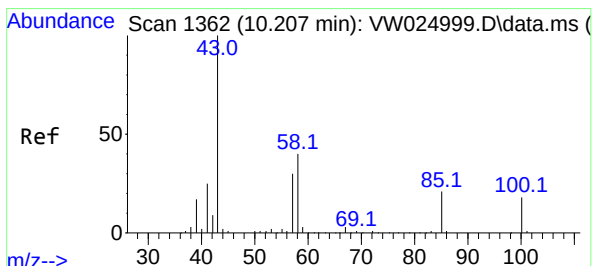
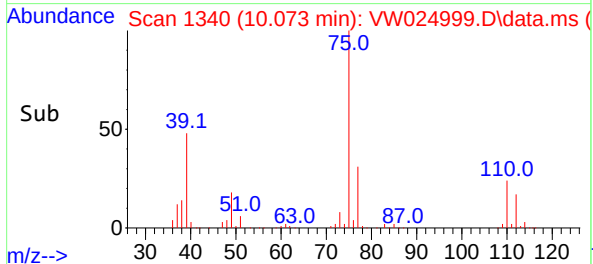
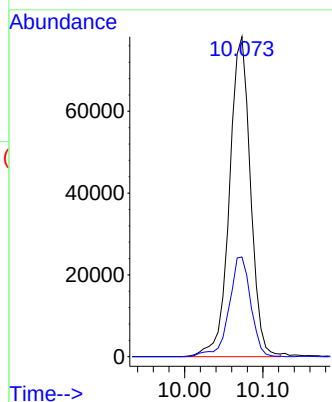
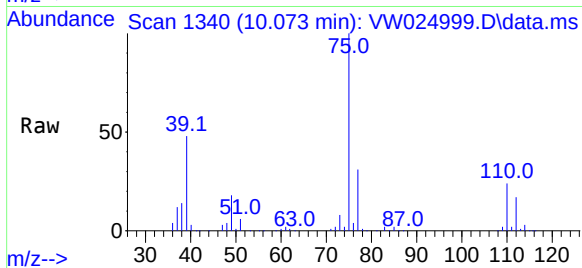
VSTD025483

Tgt Ion: 75 Resp: 145672

Ion Ratio Lower Upper

75 100

77 31.2 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 47.630 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. 0.000 min

Lab File: VW024999.D

Acq: 02 Nov 2022 09:52

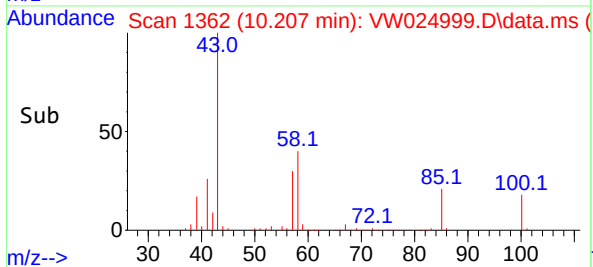
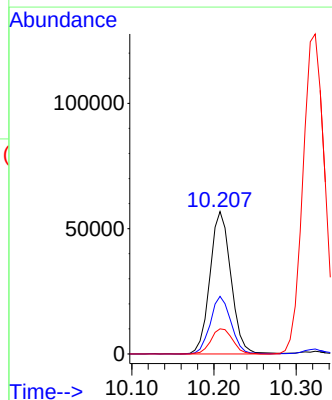
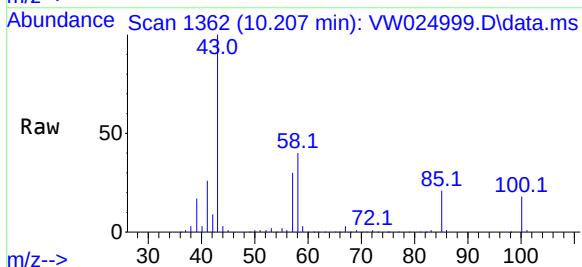
Tgt Ion: 43 Resp: 100985

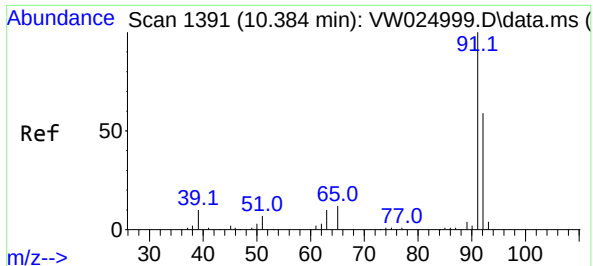
Ion Ratio Lower Upper

43 100

58 39.9 32.6 48.8

100 18.2 14.0 21.0

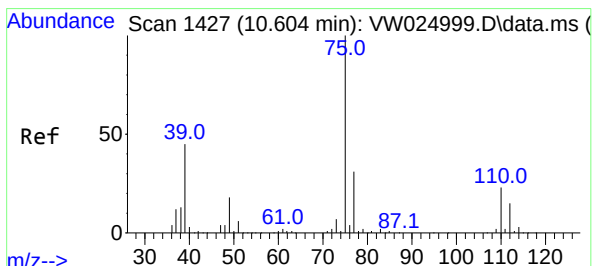
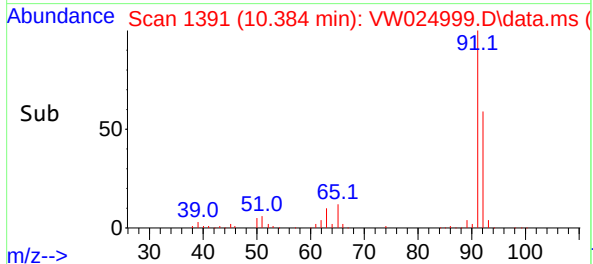
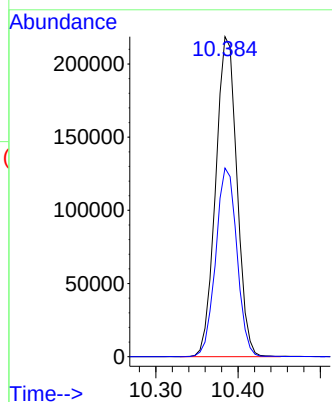
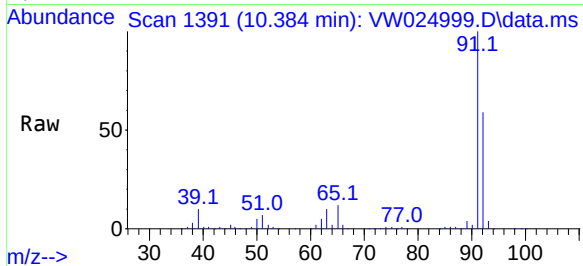




#42  
Toluene  
Concen: 24.830 ug/L  
RT: 10.384 min Scan# 1391  
Delta R.T. 0.000 min  
Lab File: VW024999.D  
Acq: 02 Nov 2022 09:52

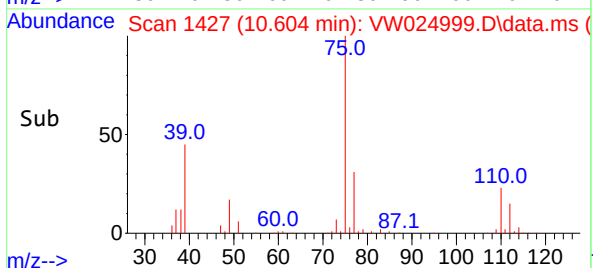
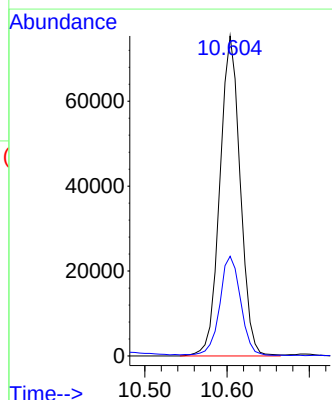
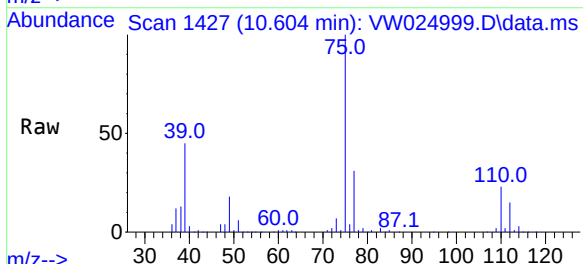
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025483

Tgt Ion: 91 Resp: 392403  
Ion Ratio Lower Upper  
91 100  
92 59.0 38.6 71.8

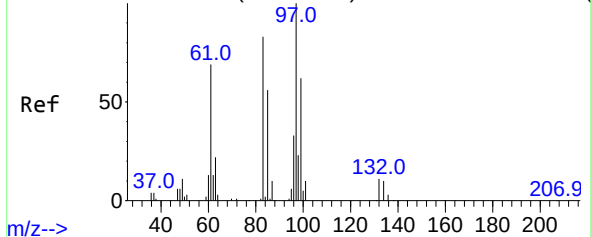


#44  
trans-1,3-Dichloropropene  
Concen: 25.579 ug/L  
RT: 10.604 min Scan# 1427  
Delta R.T. 0.000 min  
Lab File: VW024999.D  
Acq: 02 Nov 2022 09:52

Tgt Ion: 75 Resp: 129886  
Ion Ratio Lower Upper  
75 100  
77 31.2 22.3 41.5

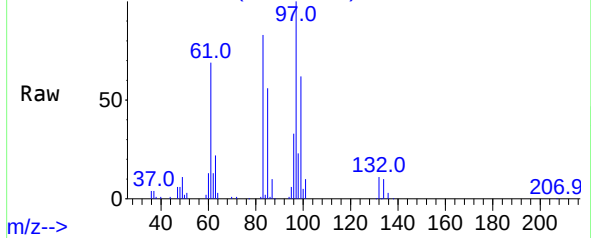


Abundance Scan 1457 (10.786 min): VW024999.D\data.ms (



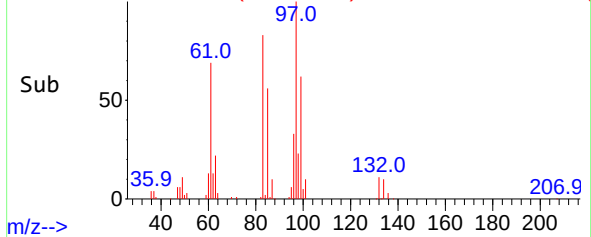
m/z-->

Abundance Scan 1457 (10.786 min): VW024999.D\data.ms



m/z-->

Abundance Scan 1457 (10.786 min): VW024999.D\data.ms (



m/z-->

#45

1,1,2-Trichloroethane

Concen: 24.768 ug/L

RT: 10.786 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VW024999.D

Acq: 02 Nov 2022 09:52

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025483

Tgt Ion: 97 Resp: 67567

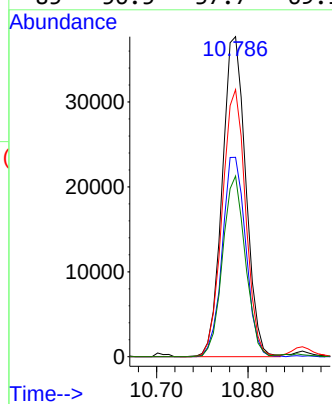
Ion Ratio Lower Upper

97 100

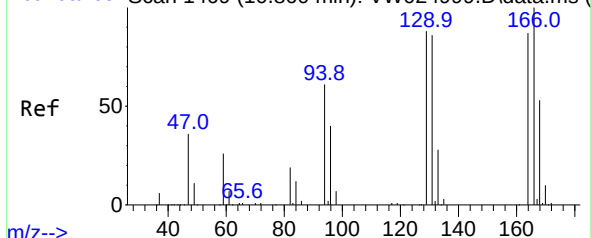
99 62.3 44.0 81.6

83 83.4 59.9 111.3

85 56.5 37.7 69.9

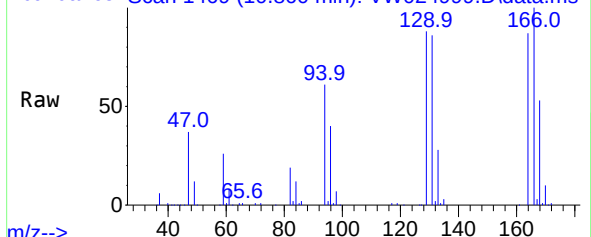


Abundance Scan 1469 (10.860 min): VW024999.D\data.ms (



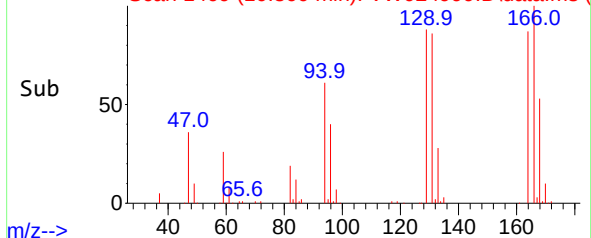
m/z-->

Abundance Scan 1469 (10.860 min): VW024999.D\data.ms



m/z-->

Abundance Scan 1469 (10.860 min): VW024999.D\data.ms (



m/z-->

#46

Tetrachloroethene

Concen: 24.889 ug/L

RT: 10.860 min Scan# 1469

Delta R.T. 0.000 min

Lab File: VW024999.D

Acq: 02 Nov 2022 09:52

Tgt Ion:164 Resp: 70143

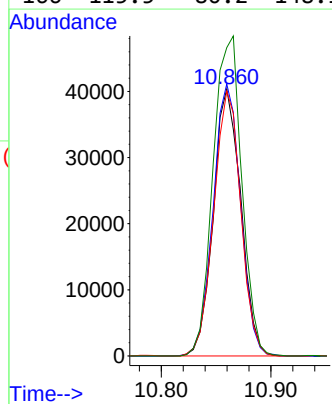
Ion Ratio Lower Upper

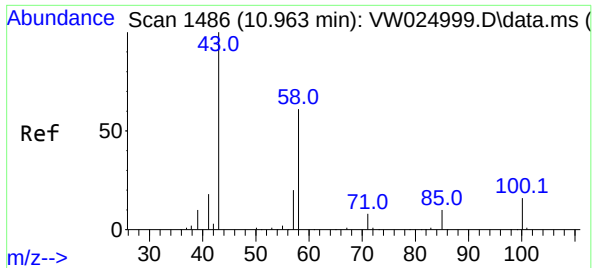
164 100

129 101.9 72.9 135.5

131 99.2 70.1 130.3

166 115.5 80.2 148.9



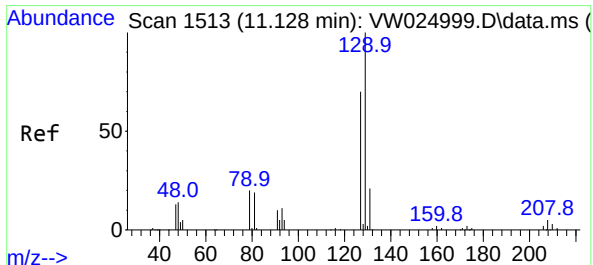
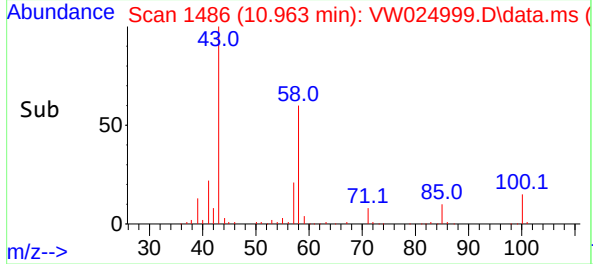
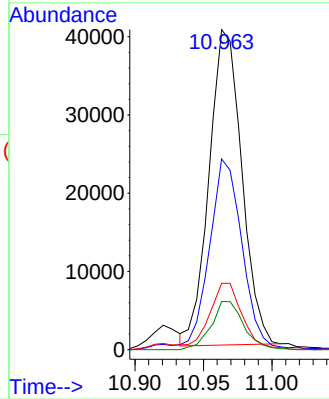
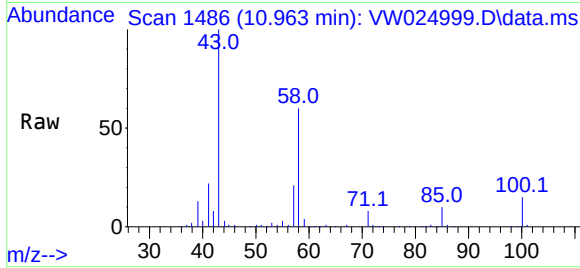


#48  
2-Hexanone  
Concen: 45.700 ug/L  
RT: 10.963 min Scan# 1486  
Delta R.T. -0.006 min  
Lab File: VW024999.D  
Acq: 02 Nov 2022 09:52

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025483

Tgt Ion: 43 Resp: 67010

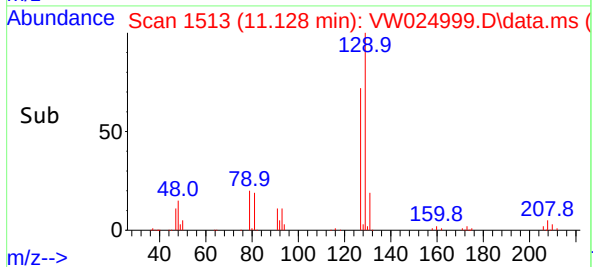
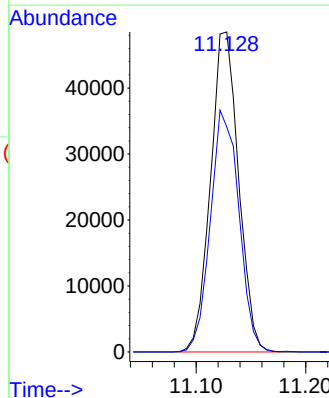
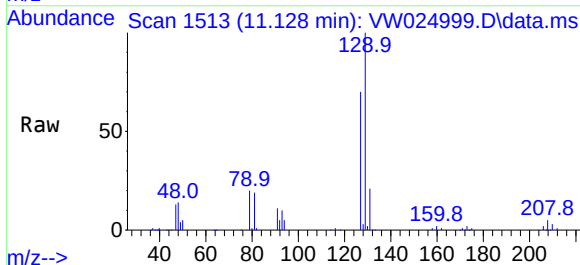
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 59.3  | 46.1  | 69.1  |
| 57  | 21.3  | 16.2  | 24.2  |
| 100 | 15.2  | 11.0  | 16.6  |

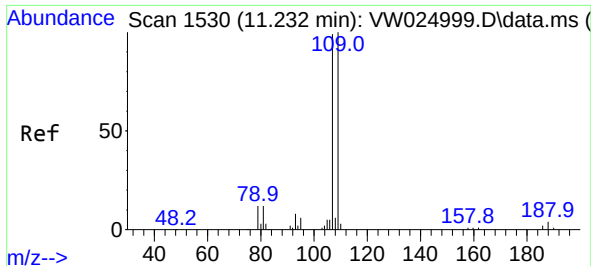


#49  
Dibromochloromethane  
Concen: 25.990 ug/L  
RT: 11.128 min Scan# 1513  
Delta R.T. 0.000 min  
Lab File: VW024999.D  
Acq: 02 Nov 2022 09:52

Tgt Ion: 129 Resp: 86425

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 70.3  | 53.2  | 98.8  |

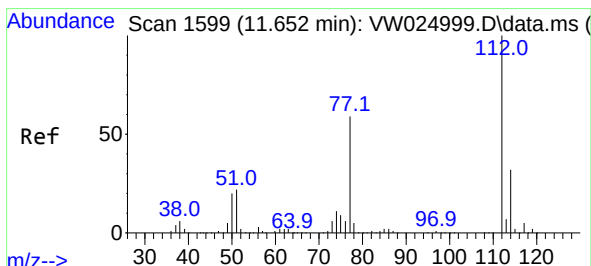
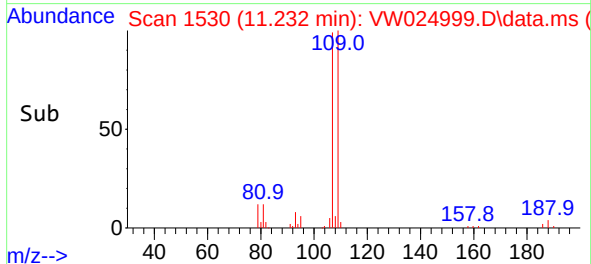
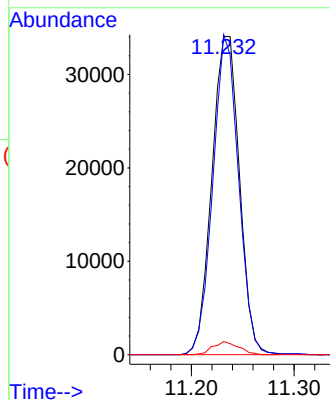
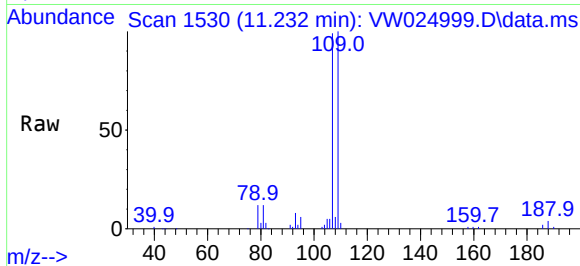




#50  
1,2-Dibromoethane  
Concen: 24.584 ug/L  
RT: 11.232 min Scan# 1530  
Delta R.T. 0.000 min  
Lab File: VW024999.D  
Acq: 02 Nov 2022 09:52

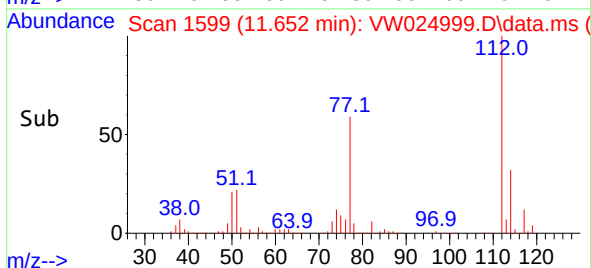
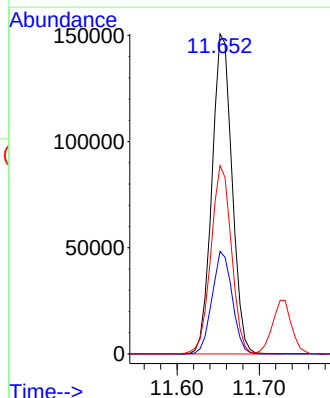
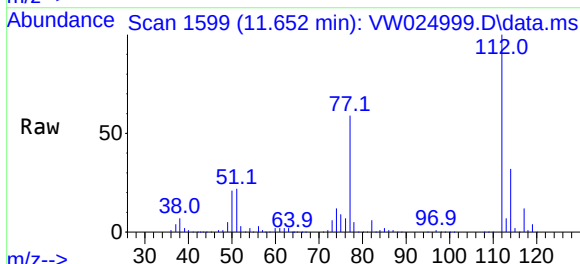
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025483

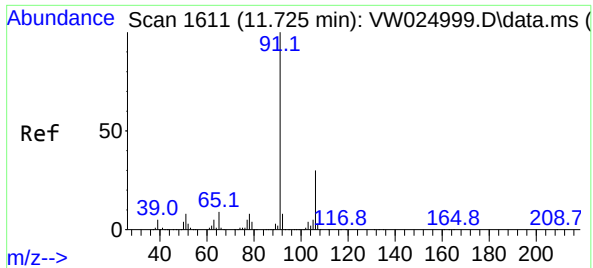
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 63426 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 109      | 100.6 | 64.5  | 119.7 |
| 188      | 4.1   | 2.9   | 4.3   |



#51  
Chlorobenzene  
Concen: 24.935 ug/L  
RT: 11.652 min Scan# 1599  
Delta R.T. 0.000 min  
Lab File: VW024999.D  
Acq: 02 Nov 2022 09:52

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 255429 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 114      | 32.1  | 20.8  | 38.6   |
| 77       | 58.9  | 48.2  | 72.2   |

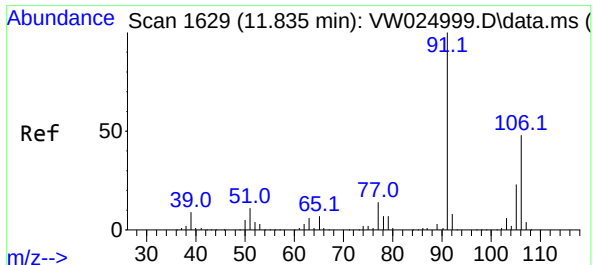
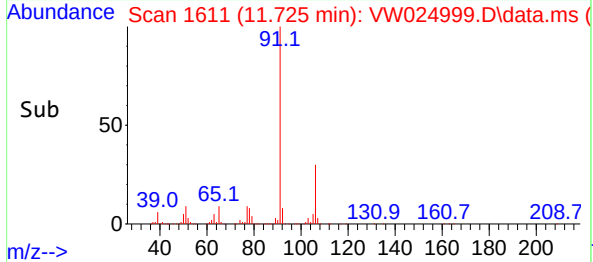
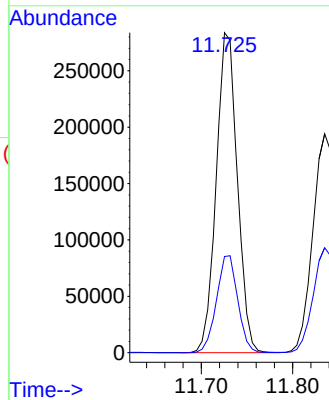
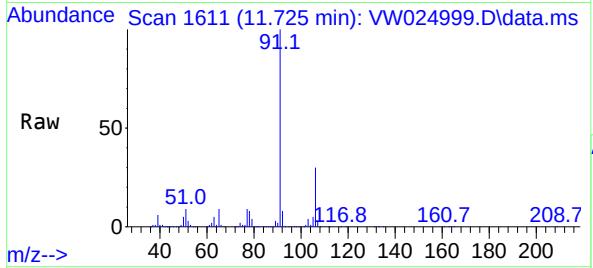




#52  
Ethylbenzene  
Concen: 24.997 ug/L  
RT: 11.725 min Scan# 1611  
Delta R.T. -0.006 min  
Lab File: VW024999.D  
Acq: 02 Nov 2022 09:52

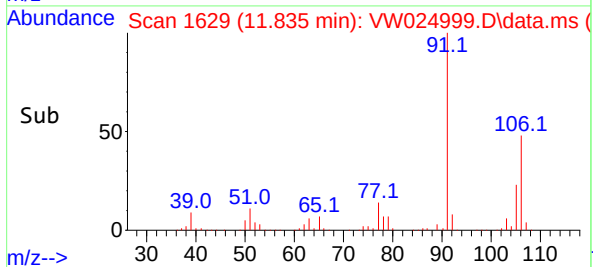
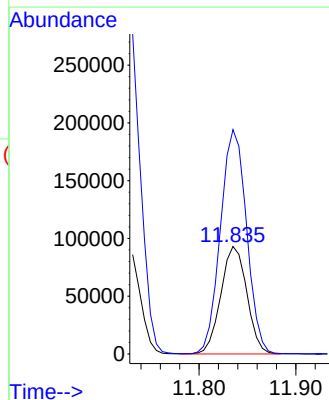
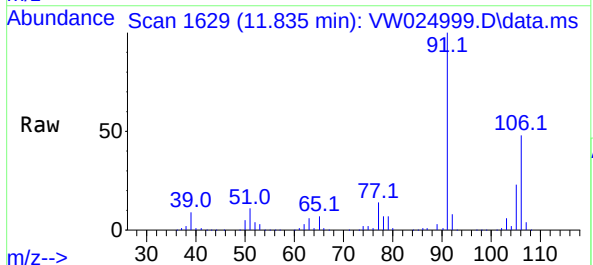
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025483

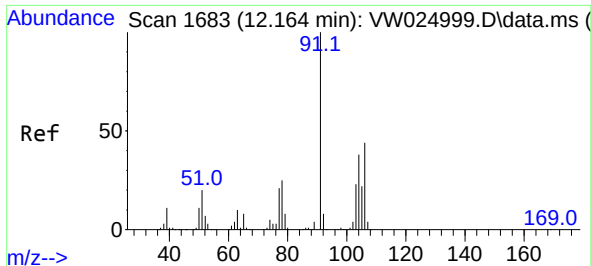
Tgt Ion: 91 Resp: 456005  
Ion Ratio Lower Upper  
91 100  
106 30.1 22.3 41.5



#53  
m,p-Xylene  
Concen: 24.616 ug/L  
RT: 11.835 min Scan# 1629  
Delta R.T. 0.000 min  
Lab File: VW024999.D  
Acq: 02 Nov 2022 09:52

Tgt Ion:106 Resp: 173827  
Ion Ratio Lower Upper  
106 100  
91 208.5 143.9 267.2

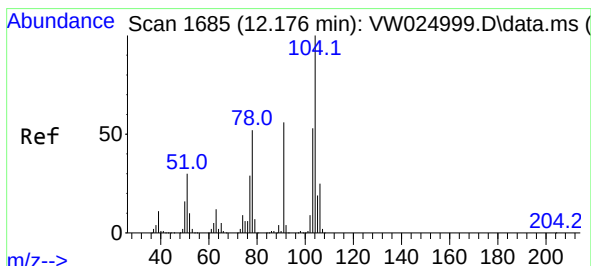
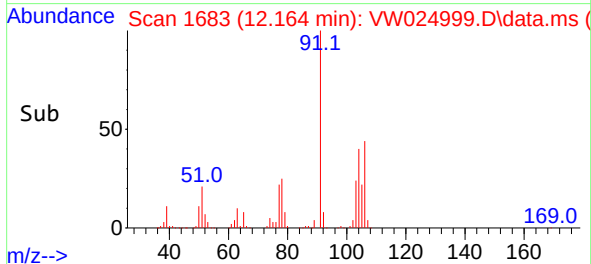
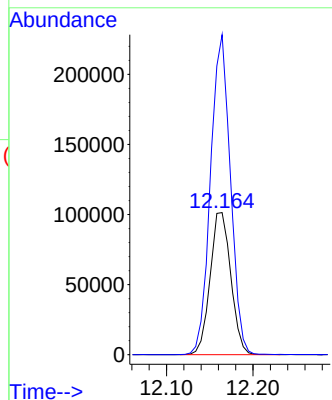
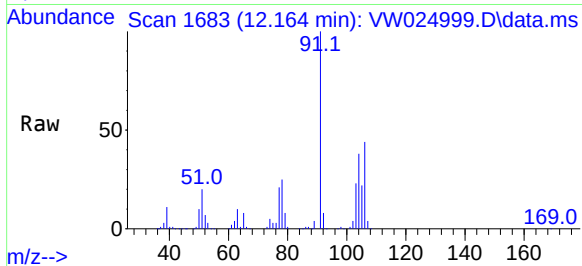




#54  
o-Xylene  
Concen: 25.303 ug/L  
RT: 12.164 min Scan# 1683  
Delta R.T. 0.000 min  
Lab File: VW024999.D  
Acq: 02 Nov 2022 09:52

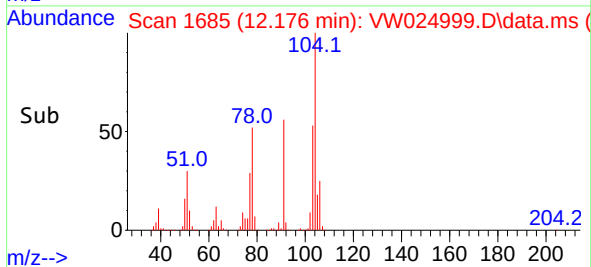
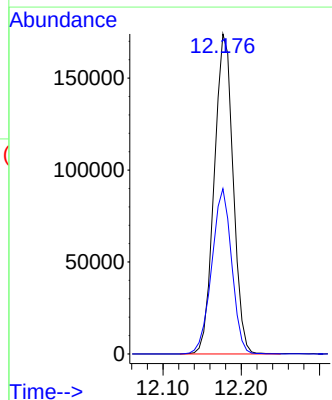
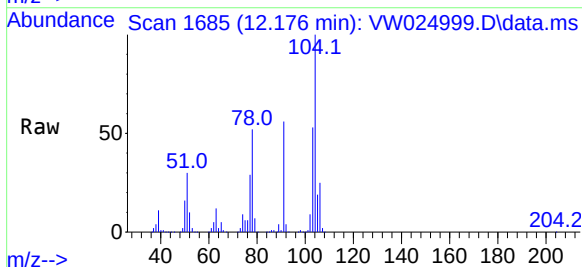
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025483

Tgt Ion:106 Resp: 168564  
Ion Ratio Lower Upper  
106 100  
91 225.2 153.5 285.1

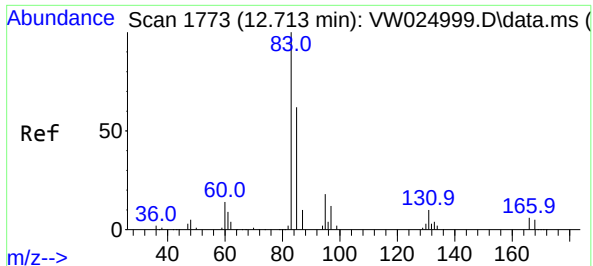


#55  
Styrene  
Concen: 25.263 ug/L  
RT: 12.176 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: VW024999.D  
Acq: 02 Nov 2022 09:52

Tgt Ion:104 Resp: 292316  
Ion Ratio Lower Upper  
104 100  
78 51.6 31.3 58.1



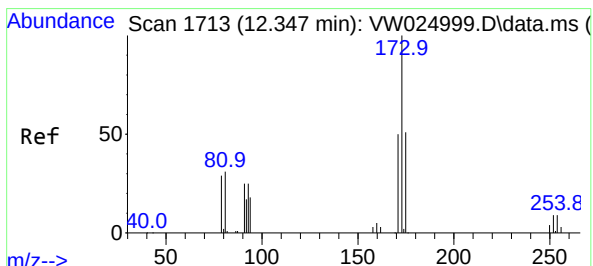
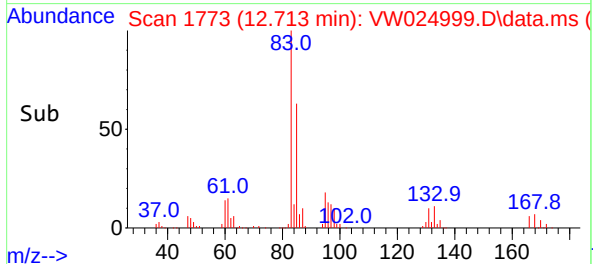
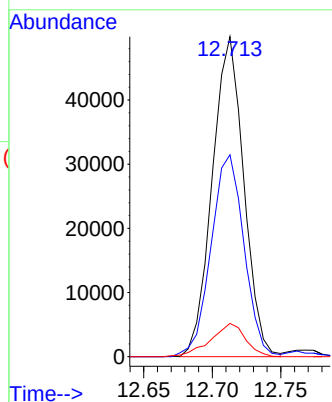
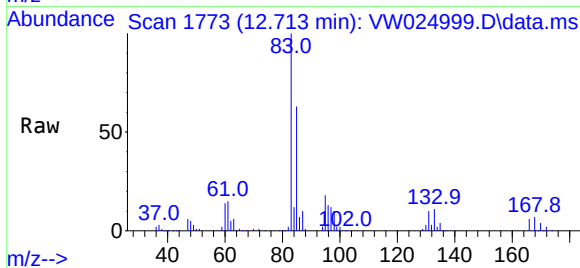




#57  
1,1,2,2-Tetrachloroethane  
Concen: 24.417 ug/L  
RT: 12.713 min Scan# 1773  
Delta R.T. 0.000 min  
Lab File: VW024999.D  
Acq: 02 Nov 2022 09:52

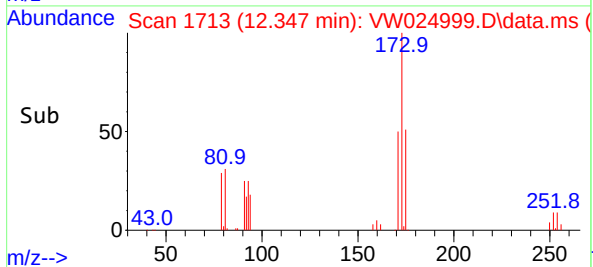
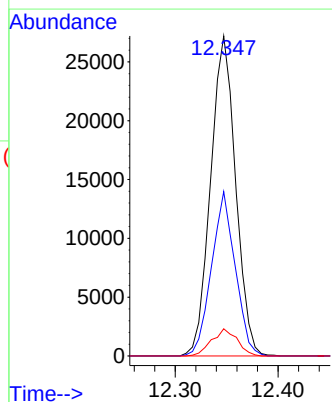
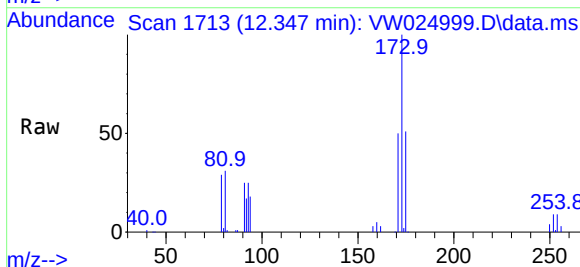
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025483

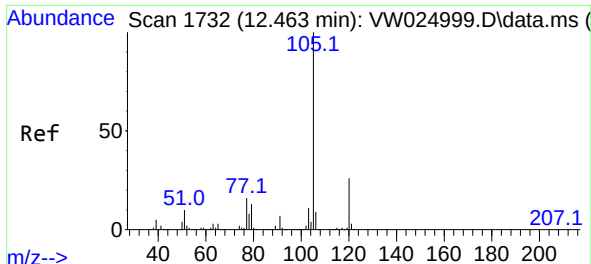
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 79904 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 63.1  | 46.4  | 86.2  |
| 131      | 10.4  | 8.2   | 12.4  |



#59  
Bromoform  
Concen: 24.193 ug/L  
RT: 12.347 min Scan# 1713  
Delta R.T. 0.000 min  
Lab File: VW024999.D  
Acq: 02 Nov 2022 09:52

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 45992 |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 48.6  | 37.4  | 56.2  |
| 254      | 8.6   | 5.8   | 8.8   |

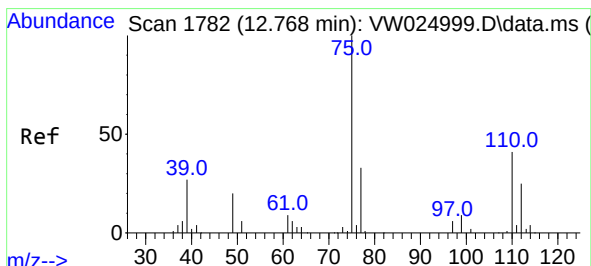
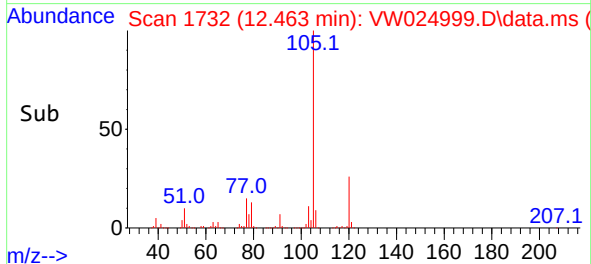
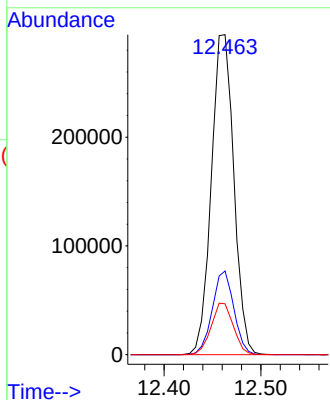
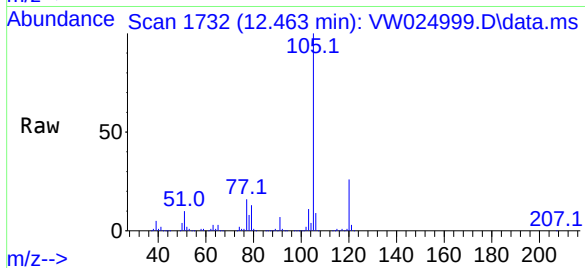




#60  
Isopropylbenzene  
Concen: 23.543 ug/L  
RT: 12.463 min Scan# 1732  
Delta R.T. 0.000 min  
Lab File: VW024999.D  
Acq: 02 Nov 2022 09:52

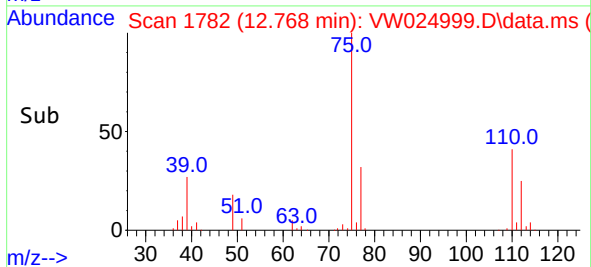
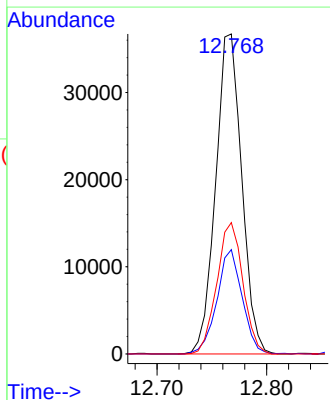
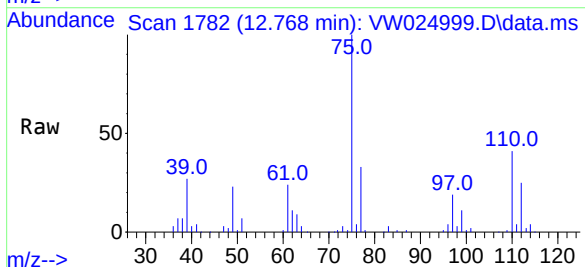
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025483

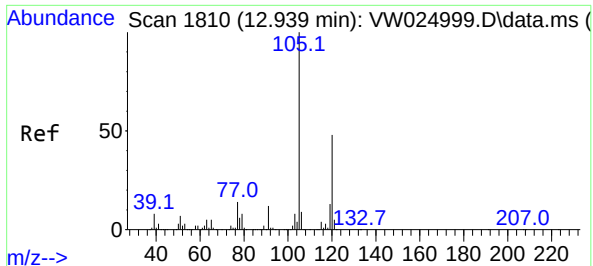
Tgt Ion:105 Resp: 475748  
Ion Ratio Lower Upper  
105 100  
120 25.0 20.8 31.2  
77 15.9 13.0 19.4



#61  
1,2,3-Trichloropropane  
Concen: 22.503 ug/L  
RT: 12.768 min Scan# 1782  
Delta R.T. 0.000 min  
Lab File: VW024999.D  
Acq: 02 Nov 2022 09:52

Tgt Ion: 75 Resp: 60765  
Ion Ratio Lower Upper  
75 100  
77 31.6 25.7 38.5  
110 41.0 31.7 47.5





#62

1,3,5-Trimethylbenzene

Concen: 23.393 ug/L

RT: 12.939 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VW024999.D

Acq: 02 Nov 2022 09:52

Instrument :

MSVOA\_W

ClientSampleId :

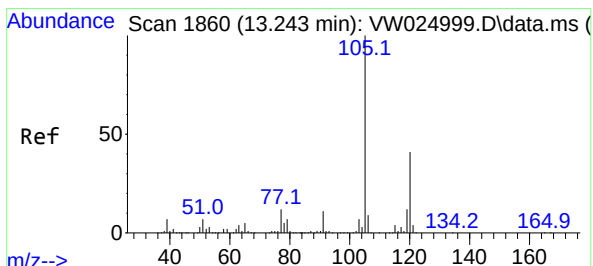
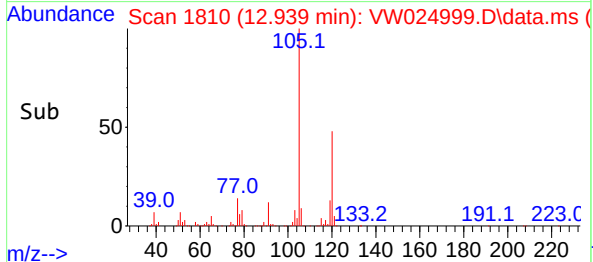
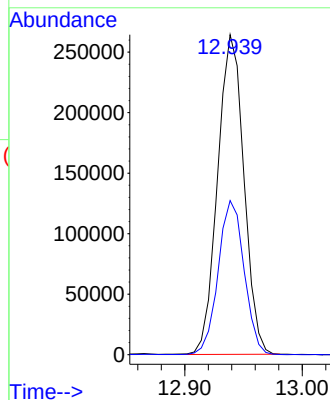
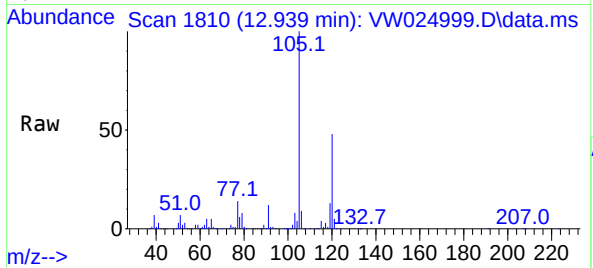
VSTD025483

Tgt Ion:105 Resp: 410342

Ion Ratio Lower Upper

105 100

120 47.7 37.6 56.4



#63

1,2,4-Trimethylbenzene

Concen: 23.865 ug/L

RT: 13.243 min Scan# 1860

Delta R.T. -0.006 min

Lab File: VW024999.D

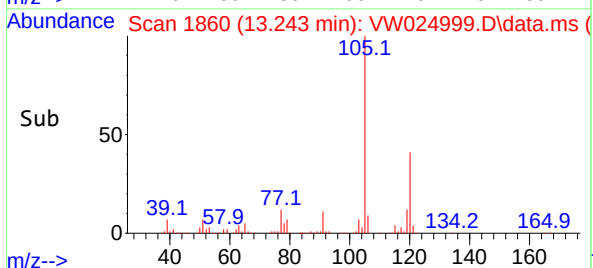
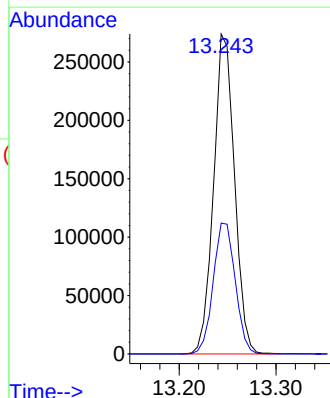
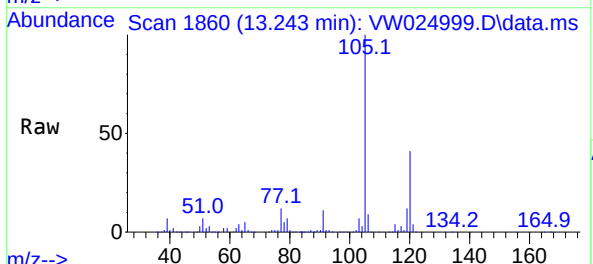
Acq: 02 Nov 2022 09:52

Tgt Ion:105 Resp: 410506

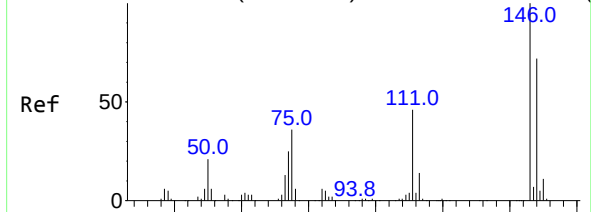
Ion Ratio Lower Upper

105 100

120 43.2 35.7 53.5



Abundance Scan 1901 (13.493 min): VW024999.D\data.ms (



#64

1,3-Dichlorobenzene

Concen: 23.323 ug/L

RT: 13.493 min Scan# 1901

Delta R.T. -0.006 min

Lab File: VW024999.D

Acq: 02 Nov 2022 09:52

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025483

Tgt Ion:146 Resp: 196567

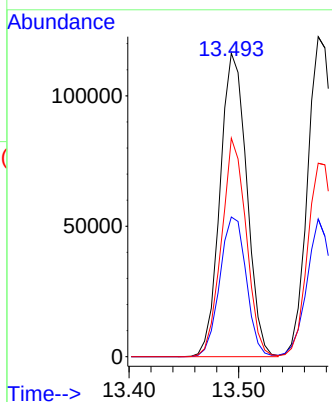
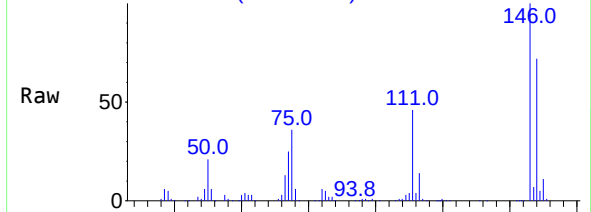
Ion Ratio Lower Upper

146 100

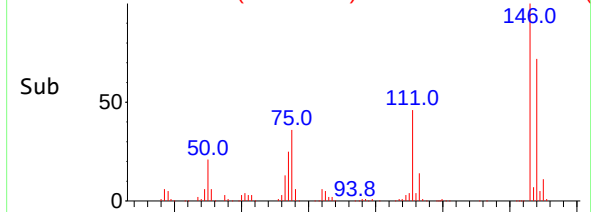
111 46.0 31.1 57.7

148 72.0 47.2 87.6

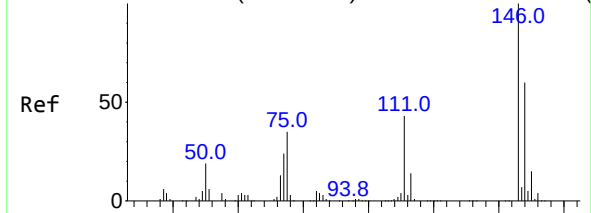
Abundance Scan 1901 (13.493 min): VW024999.D\data.ms



Abundance Scan 1901 (13.493 min): VW024999.D\data.ms (



Abundance Scan 1914 (13.573 min): VW024999.D\data.ms (



#65

1,4-Dichlorobenzene

Concen: 24.447 ug/L

RT: 13.573 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW024999.D

Acq: 02 Nov 2022 09:52

Tgt Ion:146 Resp: 205585

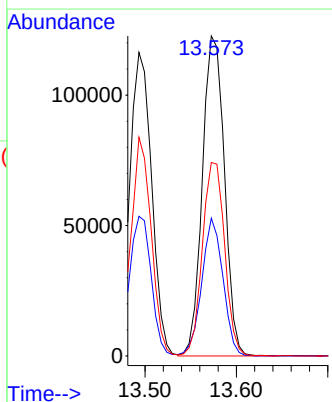
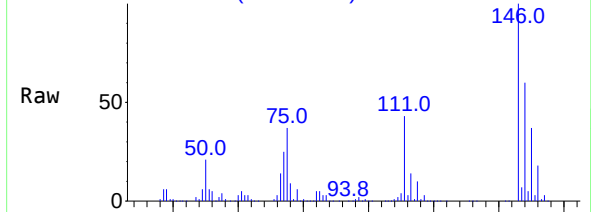
Ion Ratio Lower Upper

146 100

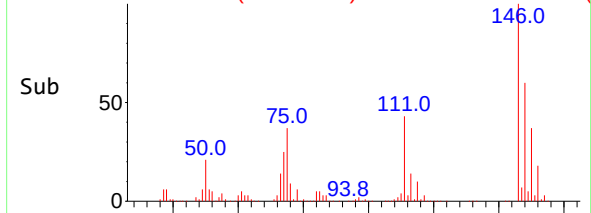
111 43.1 28.8 53.6

148 60.4 44.7 82.9

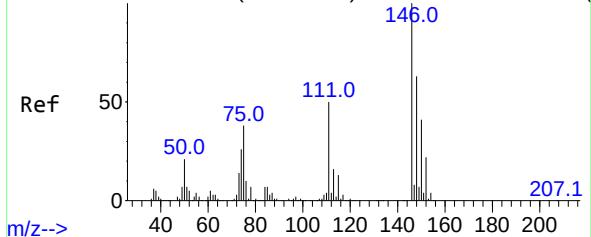
Abundance Scan 1914 (13.573 min): VW024999.D\data.ms



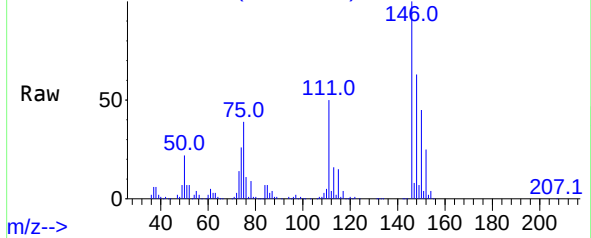
Abundance Scan 1914 (13.573 min): VW024999.D\data.ms (



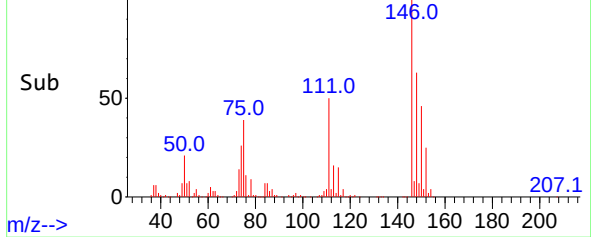
Abundance Scan 1962 (13.865 min): VW024999.D\data.ms (



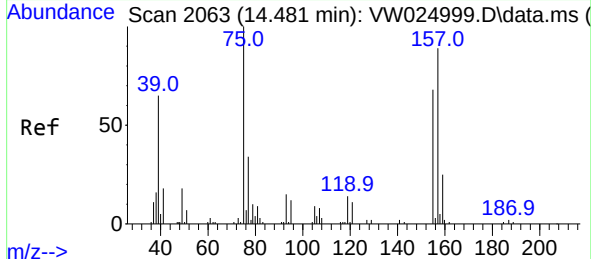
m/z--> Abundance Scan 1962 (13.865 min): VW024999.D\data.ms



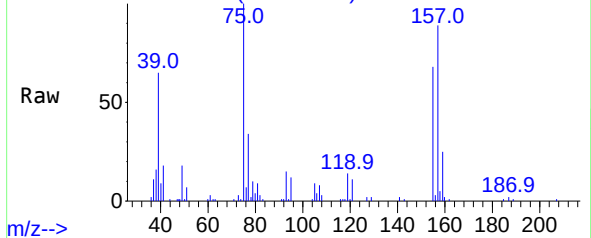
m/z--> Abundance Scan 1962 (13.865 min): VW024999.D\data.ms (



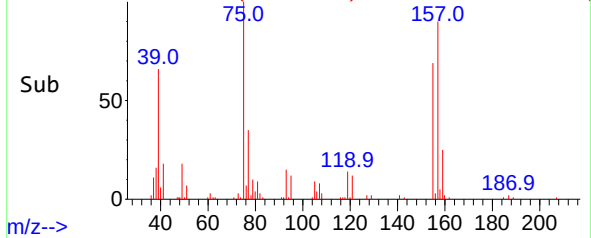
m/z--> Abundance Scan 1962 (13.865 min): VW024999.D\data.ms (



m/z--> Abundance Scan 1962 (13.865 min): VW024999.D\data.ms



m/z--> Abundance Scan 1962 (13.865 min): VW024999.D\data.ms (



m/z--> Abundance Scan 1962 (13.865 min): VW024999.D\data.ms (

#67

1,2-Dichlorobenzene

Concen: 23.224 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VW024999.D

Acq: 02 Nov 2022 09:52

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025483

Tgt Ion:146 Resp: 175985

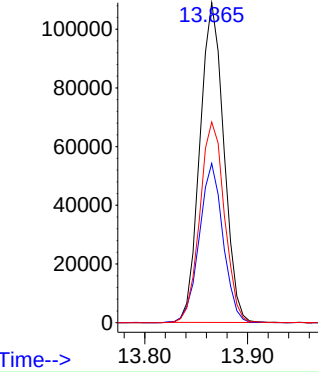
Ion Ratio Lower Upper

146 100

111 49.8 34.2 51.4

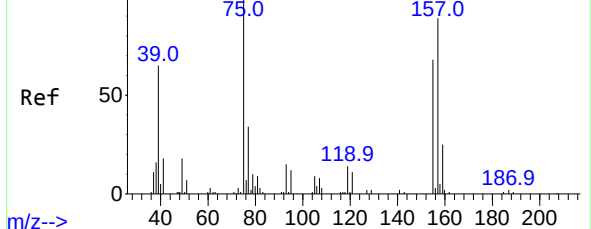
148 62.7 47.1 70.7

Abundance

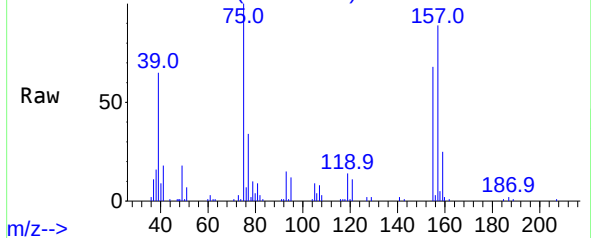


Time-->

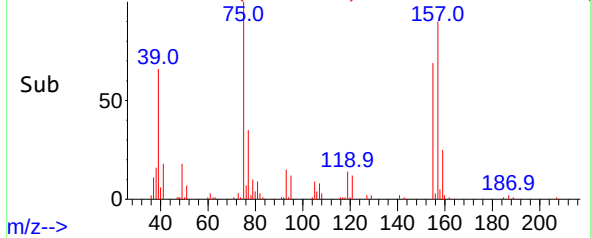
Abundance Scan 2063 (14.481 min): VW024999.D\data.ms (



m/z--> Abundance Scan 2063 (14.481 min): VW024999.D\data.ms



m/z--> Abundance Scan 2063 (14.481 min): VW024999.D\data.ms (



m/z--> Abundance Scan 2063 (14.481 min): VW024999.D\data.ms (

#68

1,2-Dibromo-3-chloropropane

Concen: 23.998 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VW024999.D

Acq: 02 Nov 2022 09:52

Tgt Ion: 75 Resp: 14975

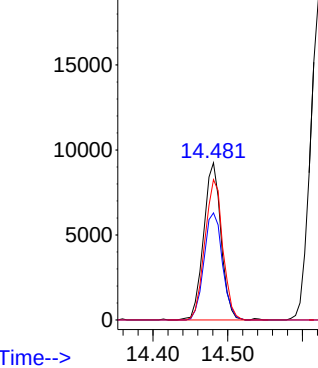
Ion Ratio Lower Upper

75 100

155 68.1 61.2 91.8

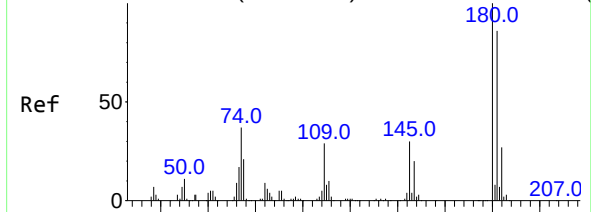
157 89.3 72.4 108.6

Abundance



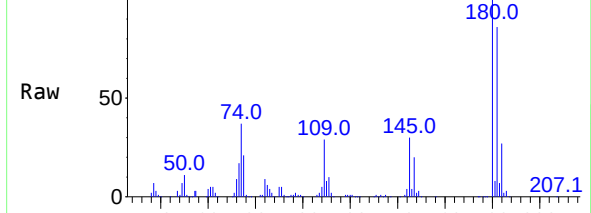
Time-->

Abundance Scan 2086 (14.621 min): VW024999.D\data.ms (



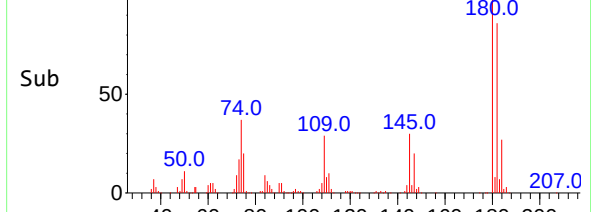
m/z-->

Abundance Scan 2086 (14.621 min): VW024999.D\data.ms



m/z-->

Abundance Scan 2086 (14.621 min): VW024999.D\data.ms (



m/z-->

#69

1,3,5-Trichlorobenzene

Concen: 25.481 ug/L

RT: 14.621 min Scan# 2086

Delta R.T. -0.006 min

Lab File: VW024999.D

Acq: 02 Nov 2022 09:52

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025483

Tgt Ion:180 Resp: 142239

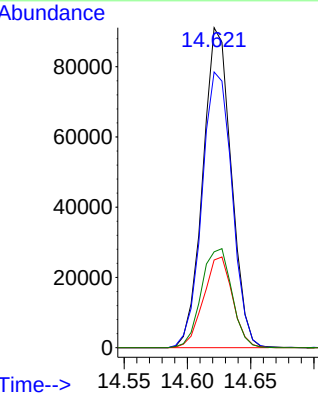
Ion Ratio Lower Upper

180 100

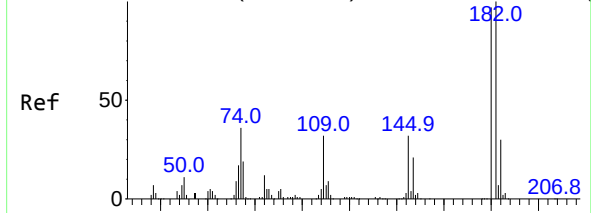
182 91.1 75.7 113.5

184 29.0 23.4 35.2

145 33.2 27.3 40.9

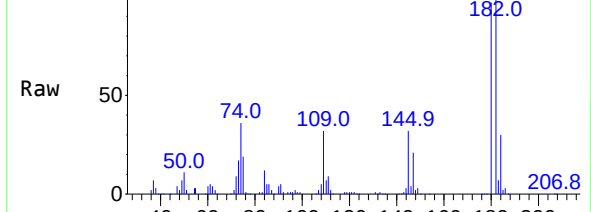


Abundance Scan 2169 (15.127 min): VW024999.D\data.ms (



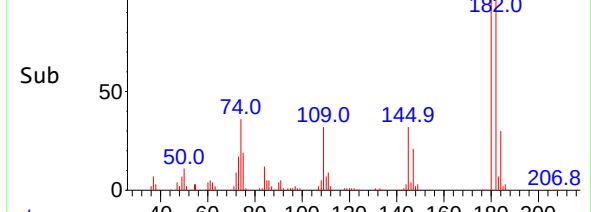
m/z-->

Abundance Scan 2169 (15.127 min): VW024999.D\data.ms



m/z-->

Abundance Scan 2169 (15.127 min): VW024999.D\data.ms (



m/z-->

#70

1,2,4-trichlorobenzene

Concen: 25.982 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. 0.000 min

Lab File: VW024999.D

Acq: 02 Nov 2022 09:52

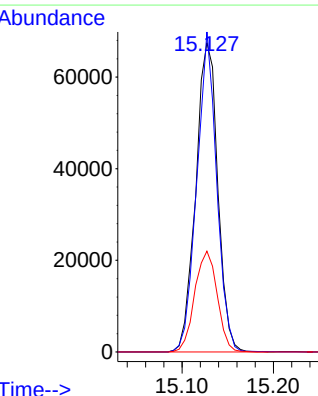
Tgt Ion:180 Resp: 112730

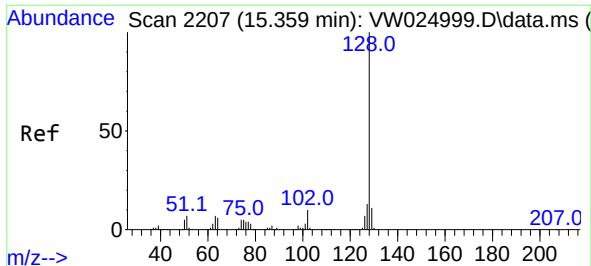
Ion Ratio Lower Upper

180 100

182 93.1 74.9 112.3

145 33.4 27.0 40.4

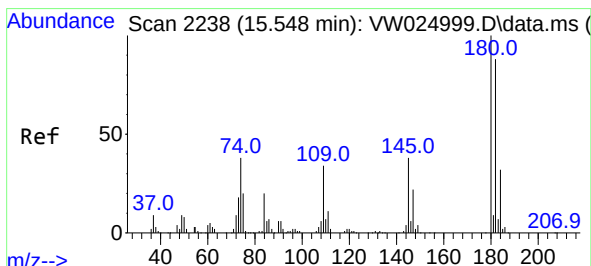
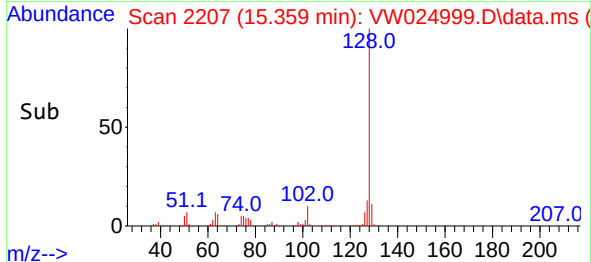
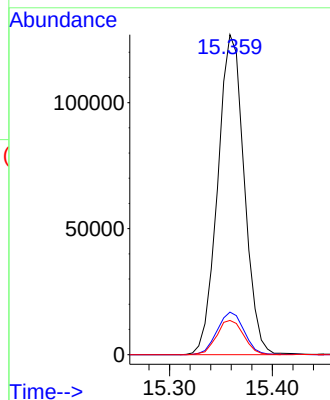
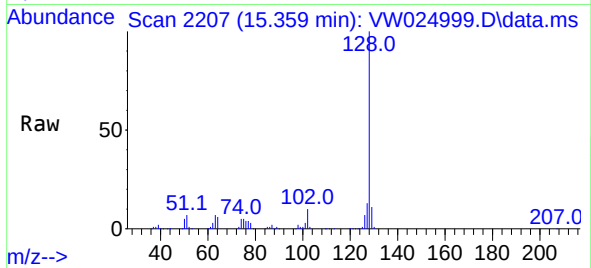




#71  
Naphthalene  
Concen: 24.809 ug/L  
RT: 15.359 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VW024999.D  
Acq: 02 Nov 2022 09:52

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025483

Tgt Ion:128 Resp: 227065  
Ion Ratio Lower Upper  
128 100  
127 13.6 10.4 15.6  
129 11.0 8.6 13.0



#72  
1,2,3-Trichlorobenzene  
Concen: 25.811 ug/L  
RT: 15.548 min Scan# 2238  
Delta R.T. 0.000 min  
Lab File: VW024999.D  
Acq: 02 Nov 2022 09:52

Tgt Ion:180 Resp: 97576  
Ion Ratio Lower Upper  
180 100  
182 91.9 74.1 111.1  
145 37.0 28.2 42.2

