

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW052223\  
 Data File : VW026017.D  
 Acq On : 22 May 2023 08:19  
 Operator : SY/MD  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025495

Quant Time: May 23 01:20:25 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM050123SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat May 20 04:57:36 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 601130   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 530114   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 275817   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.363  | 65    | 169478   | 19.895   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 79.600%  |
| 7) Chloroethane-d5            | 2.893  | 69    | 149867   | 23.731   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 94.920%  |
| 11) 1,1-Dichloroethene-d2     | 4.015  | 65    | 88696    | 20.794   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 83.160%  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 147089   | 52.232   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 104.460% |
| 24) Chloroform-d              | 7.642  | 84    | 439839   | 25.375   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 101.480% |
| 26) 1,2-Dichloroethane-d4     | 8.301  | 65    | 238429   | 24.325   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 97.320%  |
| 32) Benzene-d6                | 8.270  | 84    | 840404   | 24.262   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 97.040%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 279783   | 25.245   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 100.960% |
| 41) Toluene-d8                | 10.319 | 98    | 734225   | 23.771   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 95.080%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 104951   | 23.362   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 93.440%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 104015   | 55.039   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 110.080% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 235577   | 27.888   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 111.560% |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 238185   | 23.689   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 94.760%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 168320   | 25.063   | ug/L   | 93       |
| 3) Chloromethane              | 2.222  | 50    | 214615   | 21.673   | ug/L   | 97       |
| 5) Vinyl chloride             | 2.375  | 62    | 231357   | 22.573   | ug/L   | 99       |
| 6) Bromomethane               | 2.789  | 94    | 128993   | 23.139   | ug/L   | 96       |
| 8) Chloroethane               | 2.936  | 64    | 142759   | 24.495   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 3.259  | 101   | 166909   | 21.578   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070  | 101   | 203613   | 24.204   | ug/L # | 72       |
| 12) 1,1-Dichloroethene        | 4.039  | 96    | 185819   | 23.113   | ug/L   | 96       |
| 13) Acetone                   | 4.118  | 43    | 118522   | 47.465   | ug/L   | 99       |
| 14) Carbon disulfide          | 4.387  | 76    | 568213   | 20.899   | ug/L   | 100      |
| 15) Methyl Acetate            | 4.667  | 43    | 112529   | 22.868   | ug/L   | 100      |
| 16) Methylene chloride        | 4.911  | 84    | 211172   | 17.034   | ug/L   | 96       |
| 17) trans-1,2-Dichloroethene  | 5.423  | 96    | 199446   | 22.741   | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 5.423  | 73    | 299740   | 22.518   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.210  | 63    | 434236   | 24.098   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.167  | 96    | 216604   | 23.020   | ug/L   | 95       |
| 22) 2-Butanone                | 7.167  | 43    | 159850   | 46.361   | ug/L   | 99       |
| 23) Bromochloromethane        | 7.514  | 128   | 93640    | 23.491   | ug/L   | 94       |
| 25) Chloroform                | 7.673  | 83    | 402116   | 24.280   | ug/L   | 100      |

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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 : Sat May 20 04:57:36 2023  
 Response via : Initial Calibration

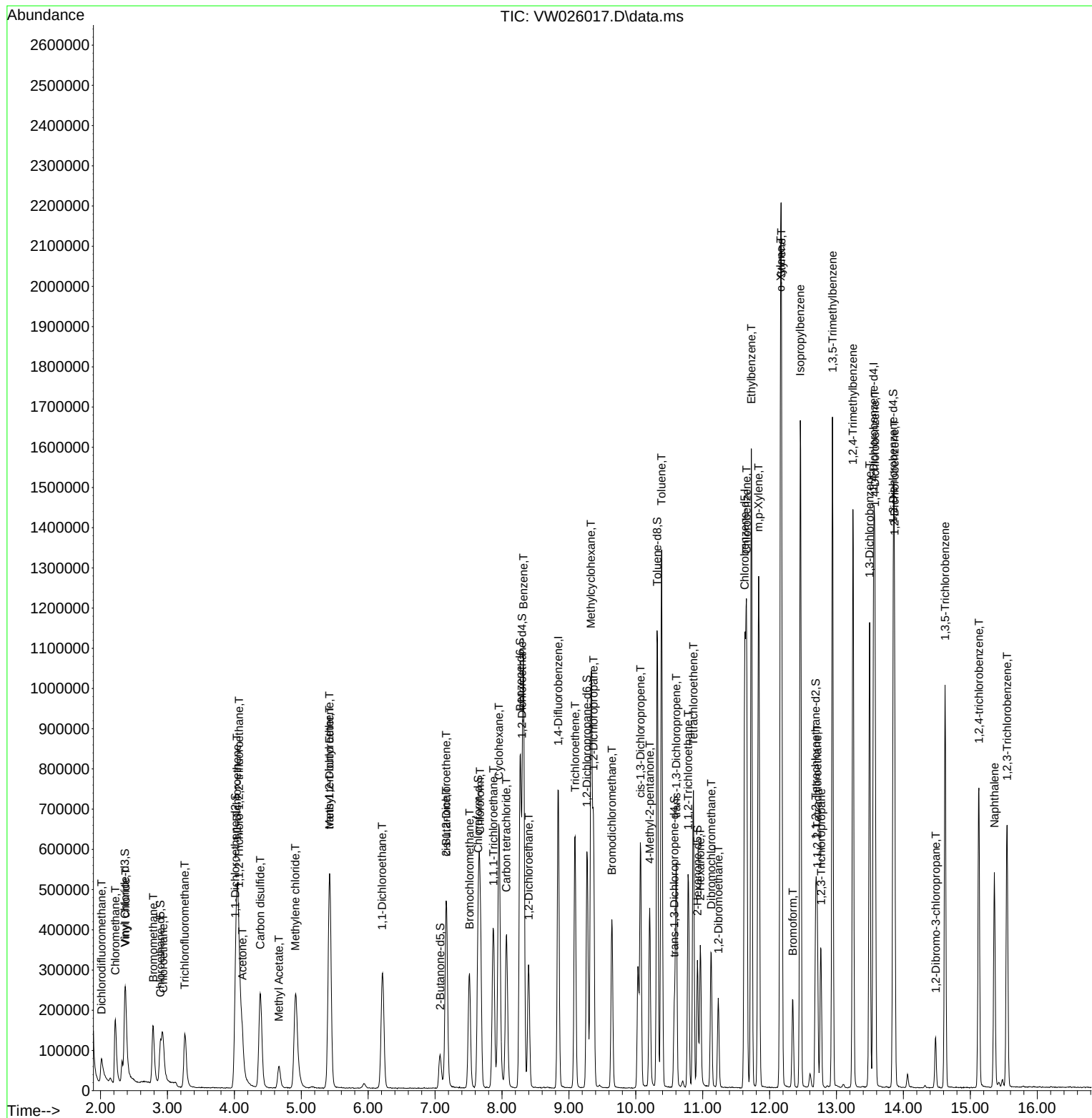
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 272786   | 23.193 | ug/L  | 100      |
| 29) Cyclohexane               | 7.953  | 56   | 376072   | 22.892 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 321878   | 24.828 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.063  | 117  | 291389   | 24.975 | ug/L  | 98       |
| 33) Benzene                   | 8.319  | 78   | 896900   | 24.455 | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 224983   | 23.906 | ug/L  | 94       |
| 35) Methylcyclohexane         | 9.331  | 83   | 392632   | 23.456 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 247404   | 24.621 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 281391   | 24.409 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 351677   | 23.866 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 310188   | 47.426 | ug/L  | 100      |
| 42) Toluene                   | 10.386 | 91   | 929518   | 24.804 | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 297414   | 24.358 | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 163814   | 24.371 | ug/L  | 98       |
| 46) Tetrachloroethene         | 10.861 | 164  | 159521   | 24.093 | ug/L  | 90       |
| 48) 2-Hexanone                | 10.965 | 43   | 235469   | 50.254 | ug/L  | 99       |
| 49) Dibromochloromethane      | 11.129 | 129  | 173092   | 24.874 | ug/L  | 93       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 145316   | 23.451 | ug/L  | 99       |
| 51) Chlorobenzene             | 11.654 | 112  | 572249   | 24.650 | ug/L  | 94       |
| 52) Ethylbenzene              | 11.727 | 91   | 1051963  | 24.955 | ug/L  | 100      |
| 53) m,p-Xylene                | 11.837 | 106  | 391515   | 25.235 | ug/L  | 93       |
| 54) o-Xylene                  | 12.166 | 106  | 364218   | 24.906 | ug/L  | 96       |
| 55) Styrene                   | 12.178 | 104  | 646457   | 25.828 | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 205083   | 24.452 | ug/L  | 98       |
| 59) Bromoform                 | 12.349 | 173  | 96514    | 23.624 | ug/L  | 100      |
| 60) Isopropylbenzene          | 12.458 | 105  | 1027262  | 24.502 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.769 | 75   | 147349   | 22.605 | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 818643   | 24.653 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 738386   | 24.096 | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 426511   | 23.632 | ug/L  | 96       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 423704   | 23.237 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 373912   | 23.230 | ug/L  | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.482 | 75   | 32991    | 21.826 | ug/L  | 92       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 279176   | 23.303 | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 223225   | 22.241 | ug/L  | 98       |
| 71) Naphthalene               | 15.360 | 128  | 423618   | 22.362 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 200776   | 22.545 | ug/L  | 98       |

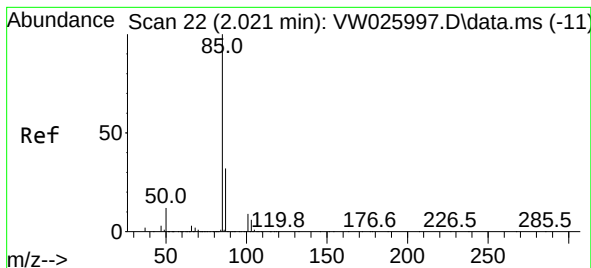
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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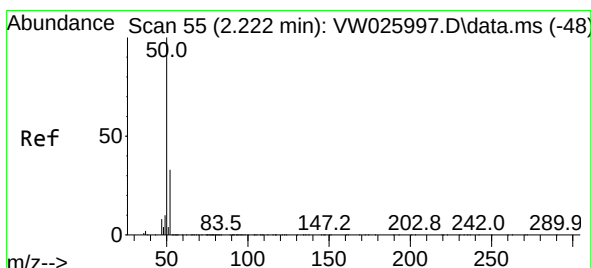
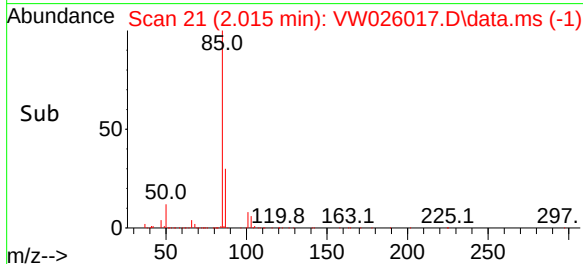
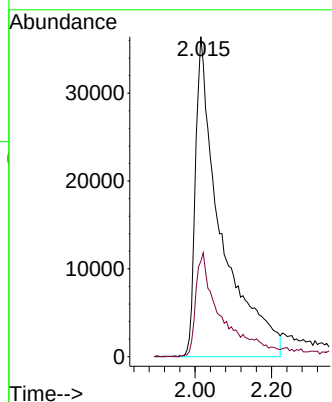
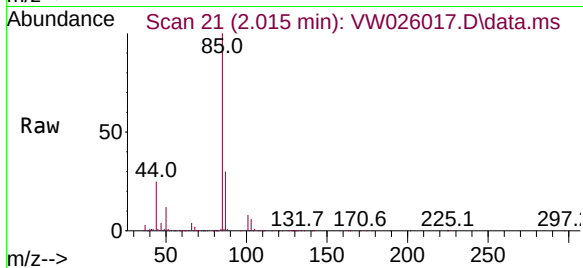




#2  
 Dichlorodifluoromethane  
 Concen: 25.063 ug/L  
 RT: 2.015 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: VW026017.D  
 Acq: 22 May 2023 08:19

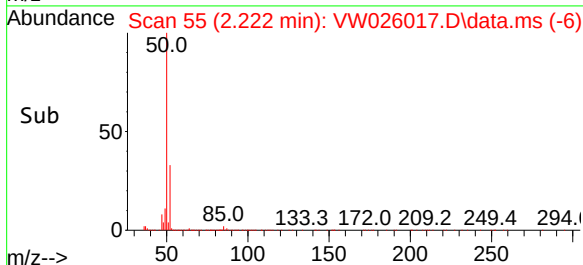
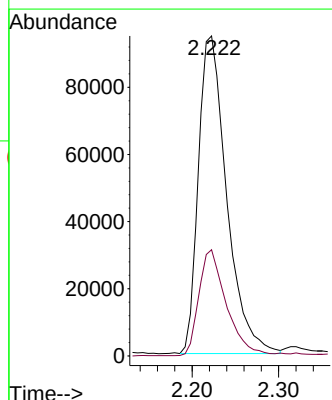
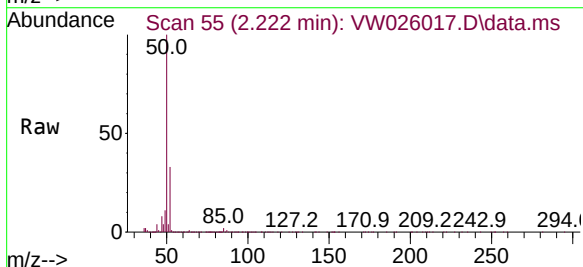
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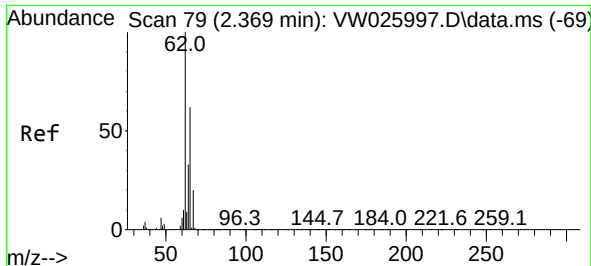
Tgt Ion: 85 Resp: 168320  
 Ion Ratio Lower Upper  
 85 100  
 87 27.0 24.7 37.1



#3  
 Chloromethane  
 Concen: 21.673 ug/L  
 RT: 2.222 min Scan# 55  
 Delta R.T. -0.000 min  
 Lab File: VW026017.D  
 Acq: 22 May 2023 08:19

Tgt Ion: 50 Resp: 214615  
 Ion Ratio Lower Upper  
 50 100  
 52 33.2 22.1 41.1

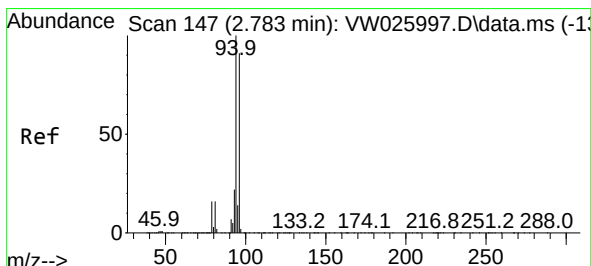
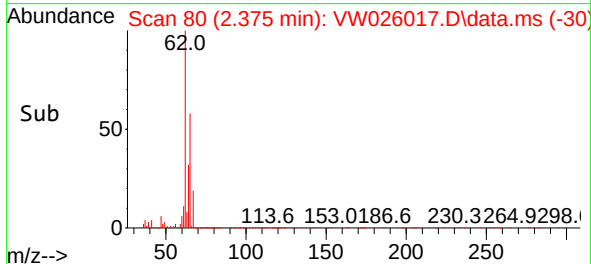
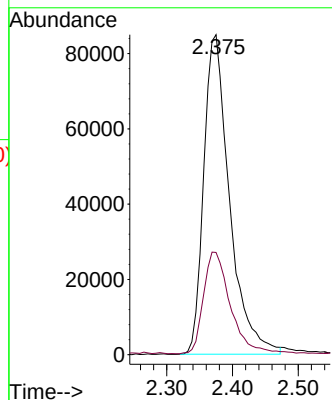
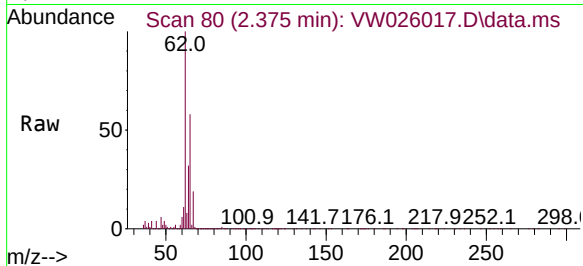




#5  
 Vinyl chloride  
 Concen: 22.573 ug/L  
 RT: 2.375 min Scan# 80  
 Delta R.T. 0.006 min  
 Lab File: VW026017.D  
 Acq: 22 May 2023 08:19

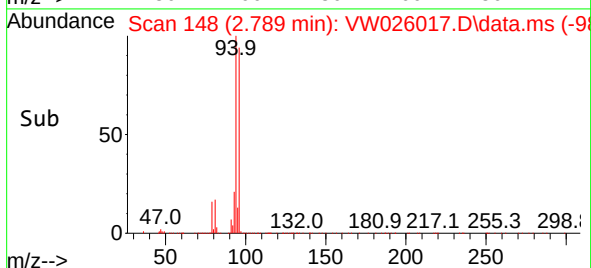
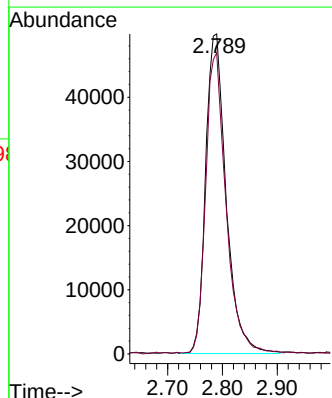
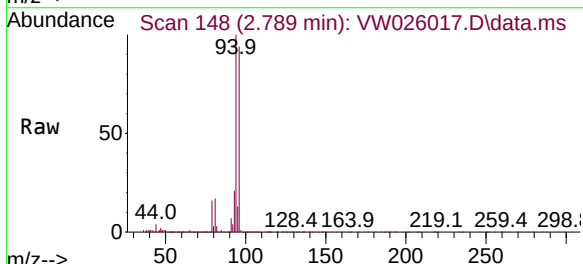
Instrument :  
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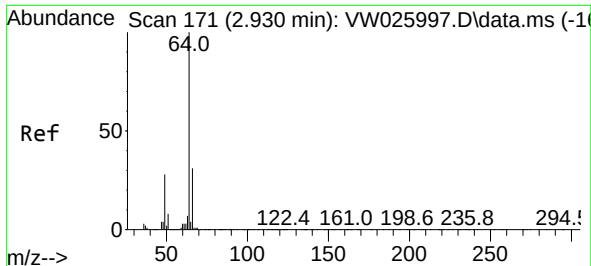
Tgt Ion: 62 Resp: 231357  
 Ion Ratio Lower Upper  
 62 100  
 64 31.9 22.7 42.3



#6  
 Bromomethane  
 Concen: 23.139 ug/L  
 RT: 2.789 min Scan# 148  
 Delta R.T. 0.006 min  
 Lab File: VW026017.D  
 Acq: 22 May 2023 08:19

Tgt Ion: 94 Resp: 128993  
 Ion Ratio Lower Upper  
 94 100  
 96 94.1 63.1 117.1

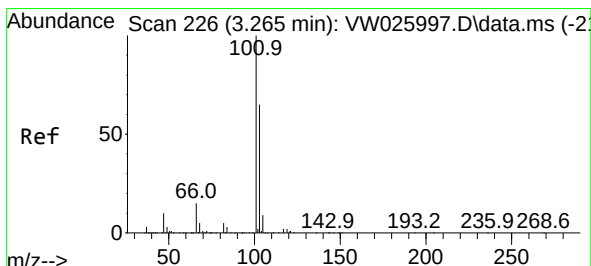
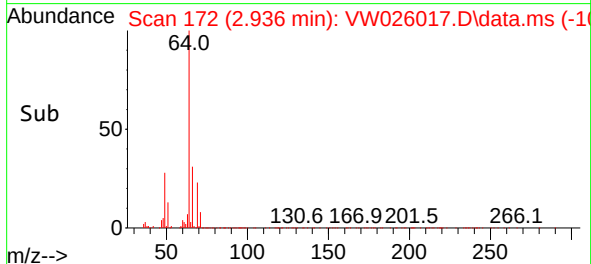
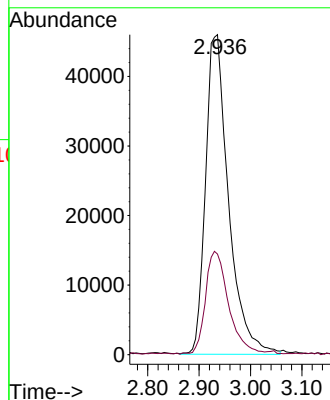
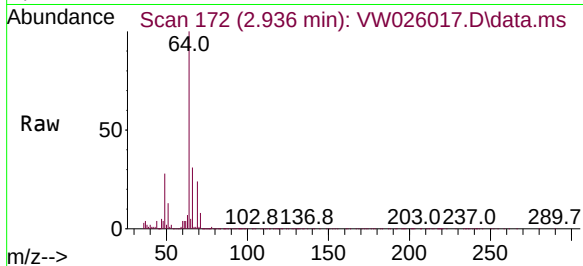




#8  
Chloroethane  
Concen: 24.495 ug/L  
RT: 2.936 min Scan# 171  
Delta R.T. 0.006 min  
Lab File: VW026017.D  
Acq: 22 May 2023 08:19

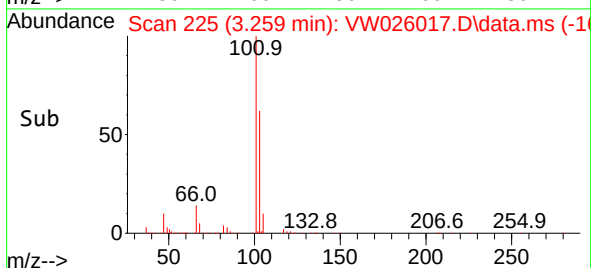
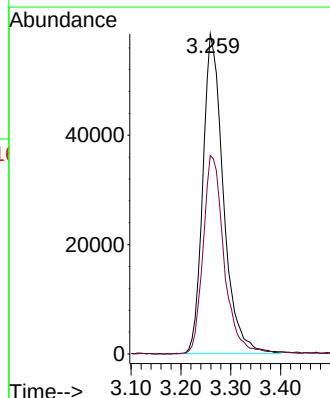
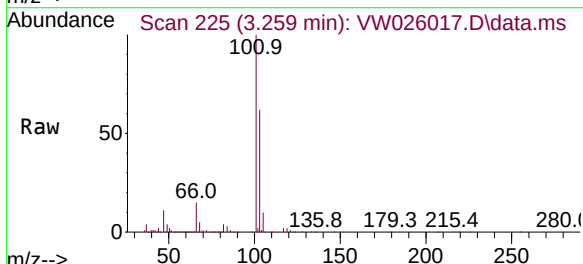
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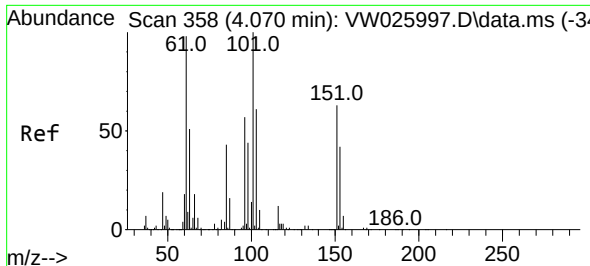
Tgt Ion: 64 Resp: 142759  
Ion Ratio Lower Upper  
64 100  
66 31.5 22.3 41.3



#9  
Trichlorofluoromethane  
Concen: 21.578 ug/L  
RT: 3.259 min Scan# 225  
Delta R.T. -0.006 min  
Lab File: VW026017.D  
Acq: 22 May 2023 08:19

Tgt Ion: 101 Resp: 166909  
Ion Ratio Lower Upper  
101 100  
103 63.0 50.6 76.0

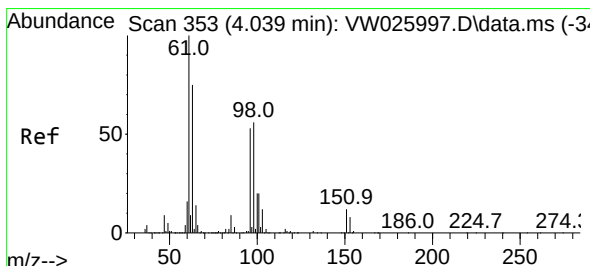
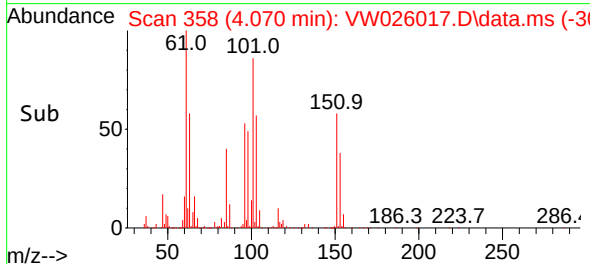
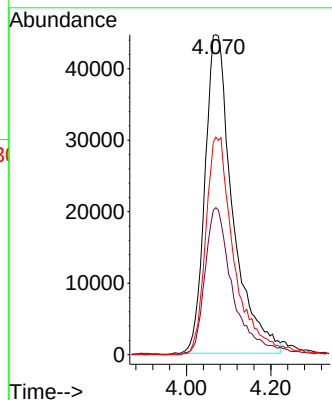
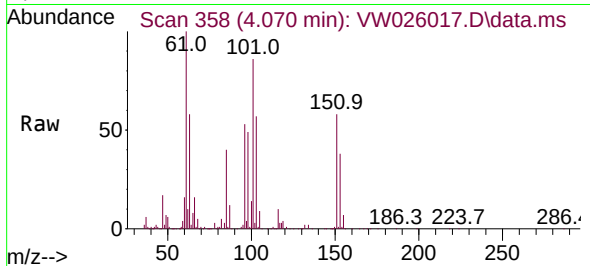




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 24.204 ug/L  
 RT: 4.070 min Scan# 358  
 Delta R.T. -0.000 min  
 Lab File: VW026017.D  
 Acq: 22 May 2023 08:19

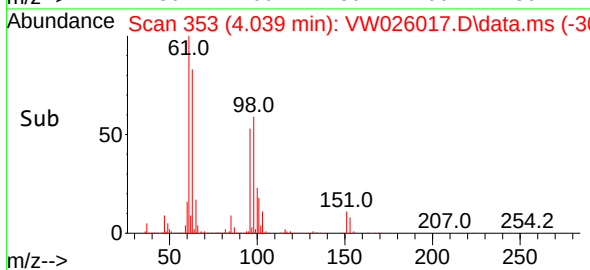
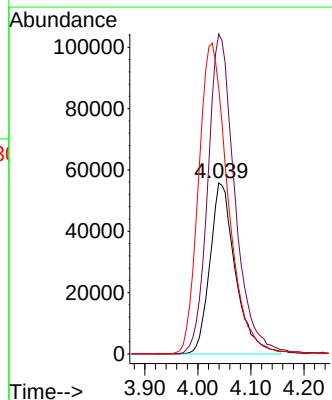
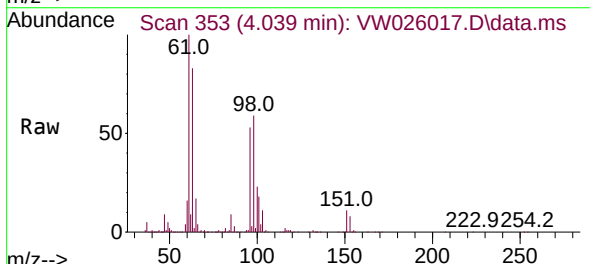
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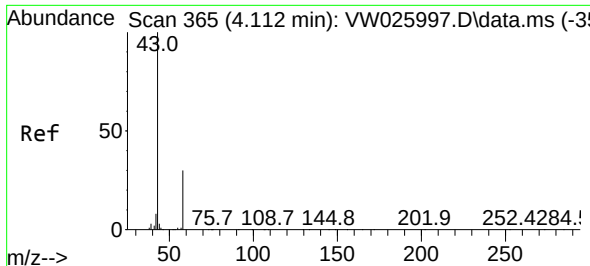
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 Ion Ratio Lower Upper  
 101 100  
 85 45.3 33.9 50.9  
 151 33.1 54.2 81.2#



#12  
 1,1-Dichloroethene  
 Concen: 23.113 ug/L  
 RT: 4.039 min Scan# 353  
 Delta R.T. -0.000 min  
 Lab File: VW026017.D  
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Tgt Ion: 96 Resp: 185819  
 Ion Ratio Lower Upper  
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 61 187.2 135.0 250.8  
 63 155.3 104.9 194.7

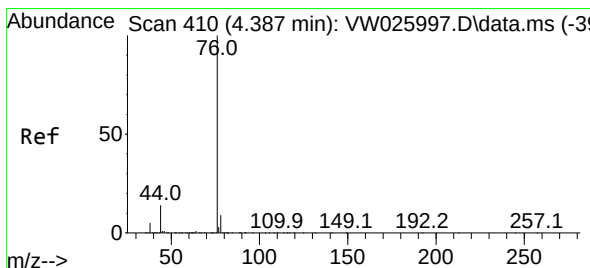
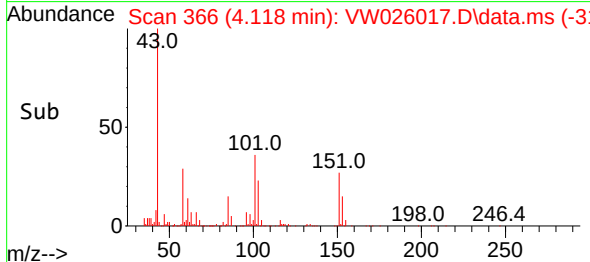
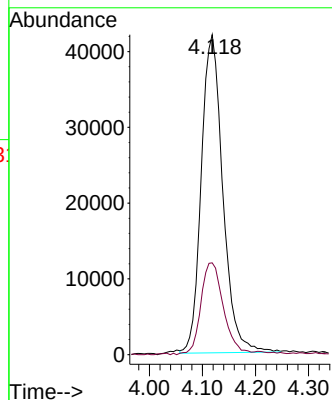
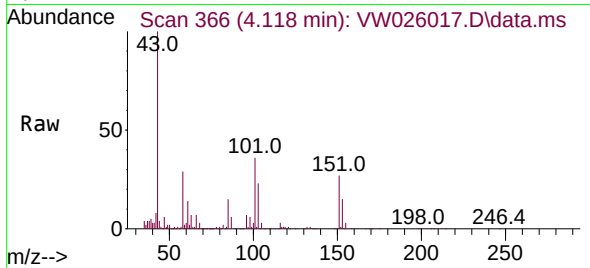




#13  
Acetone  
Concen: 47.465 ug/L  
RT: 4.118 min Scan# 366  
Delta R.T. 0.006 min  
Lab File: VW026017.D  
Acq: 22 May 2023 08:19

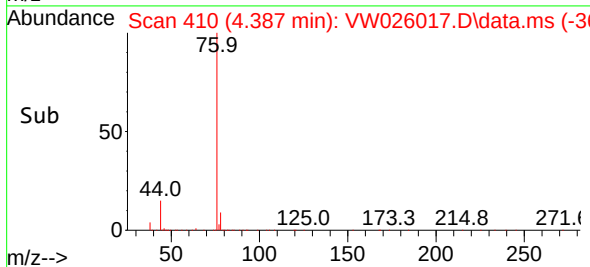
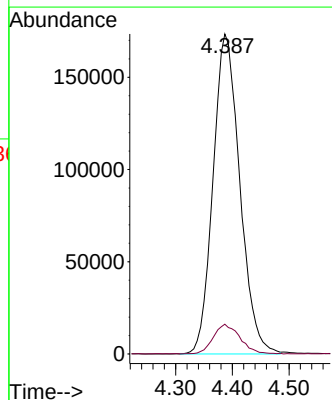
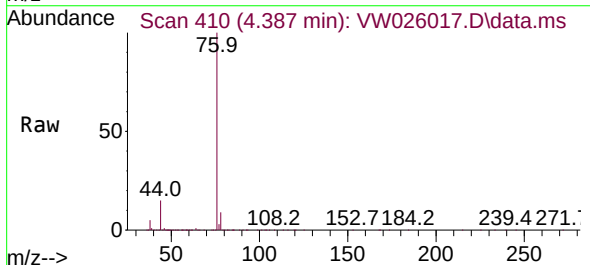
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025495

Tgt Ion: 43 Resp: 118522  
Ion Ratio Lower Upper  
43 100  
58 29.9 0.0 58.2

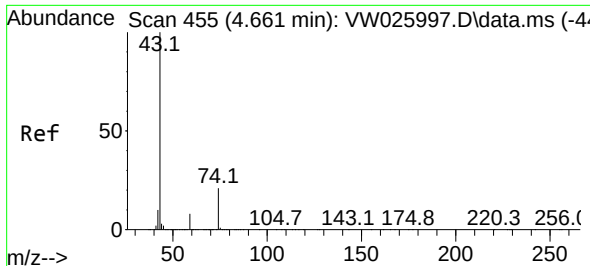


#14  
Carbon disulfide  
Concen: 20.899 ug/L  
RT: 4.387 min Scan# 410  
Delta R.T. -0.000 min  
Lab File: VW026017.D  
Acq: 22 May 2023 08:19

Tgt Ion: 76 Resp: 568213  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.4 11.0



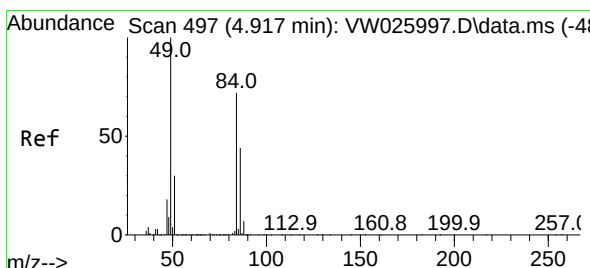
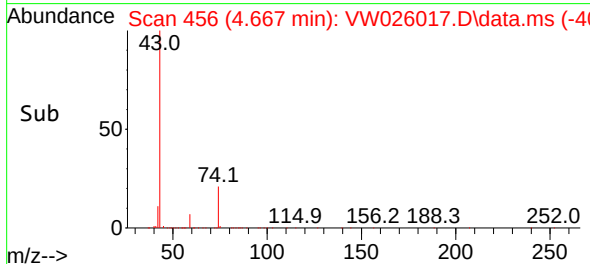
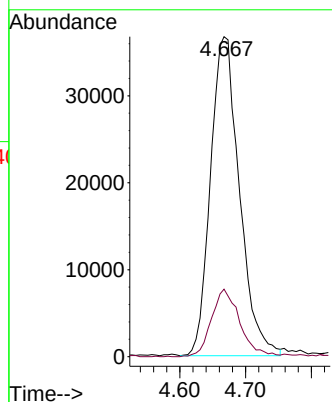
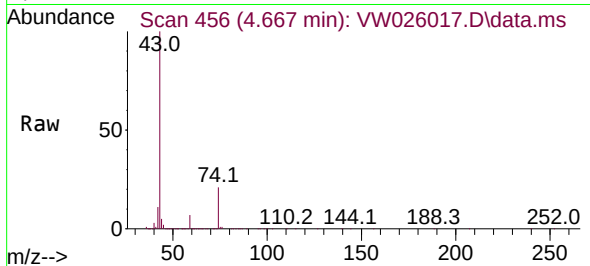




#15  
Methyl Acetate  
Concen: 22.868 ug/L  
RT: 4.667 min Scan# 411  
Delta R.T. 0.006 min  
Lab File: VW026017.D  
Acq: 22 May 2023 08:19

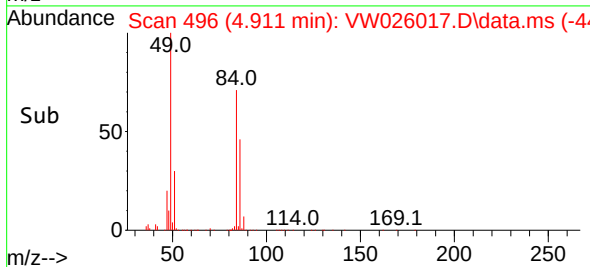
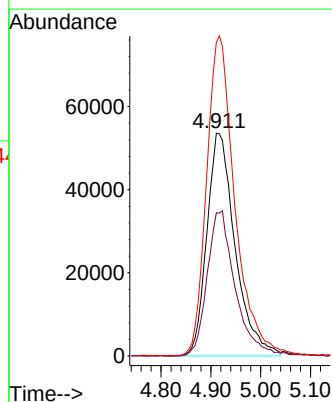
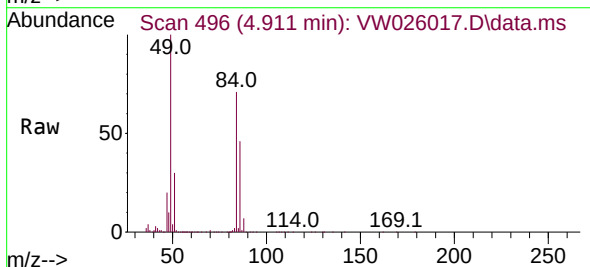
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025495

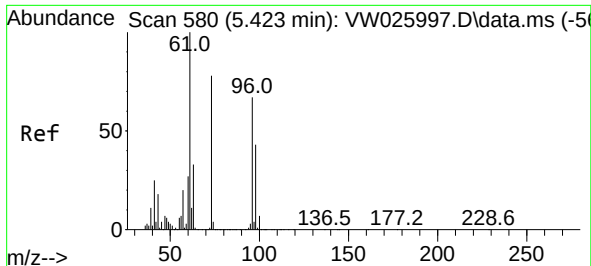
Tgt Ion: 43 Resp: 112529  
Ion Ratio Lower Upper  
43 100  
74 20.7 16.5 24.7



#16  
Methylene chloride  
Concen: 17.034 ug/L  
RT: 4.911 min Scan# 496  
Delta R.T. -0.006 min  
Lab File: VW026017.D  
Acq: 22 May 2023 08:19

Tgt Ion: 84 Resp: 211172  
Ion Ratio Lower Upper  
84 100  
86 64.2 41.7 77.5  
49 140.6 95.3 177.1

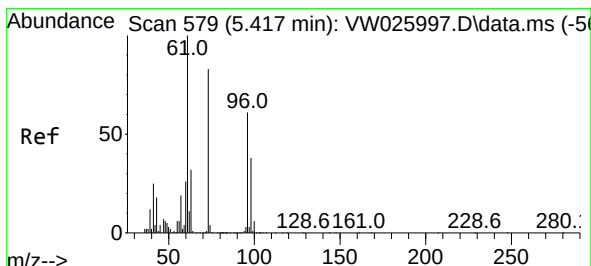
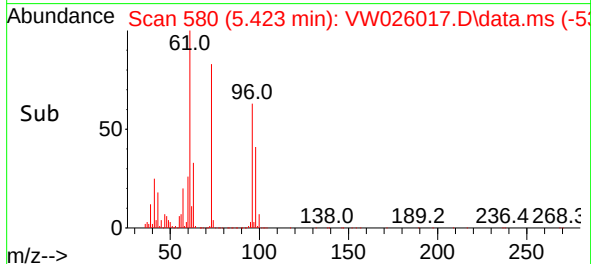
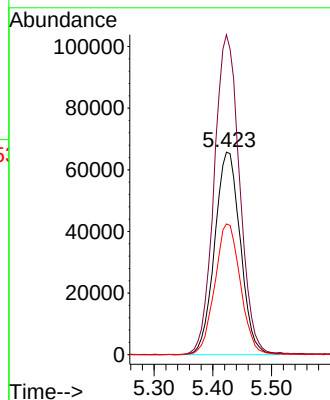
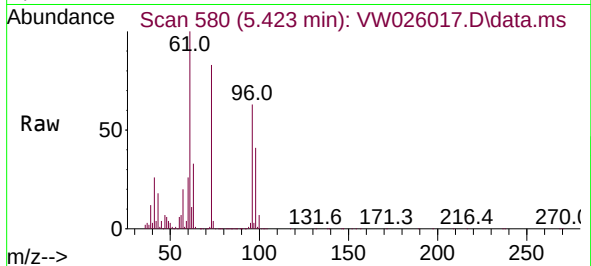




#17  
trans-1,2-Dichloroethene  
Concen: 22.741 ug/L  
RT: 5.423 min Scan# 580  
Delta R.T. -0.000 min  
Lab File: VW026017.D  
Acq: 22 May 2023 08:19

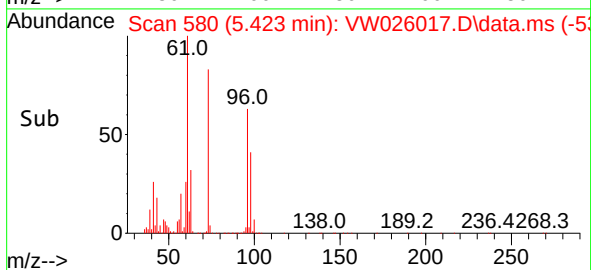
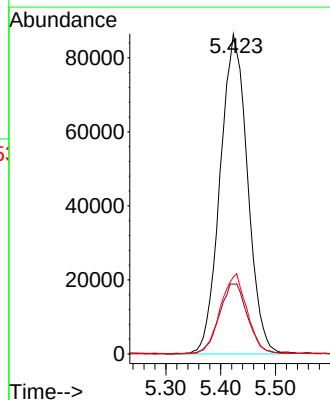
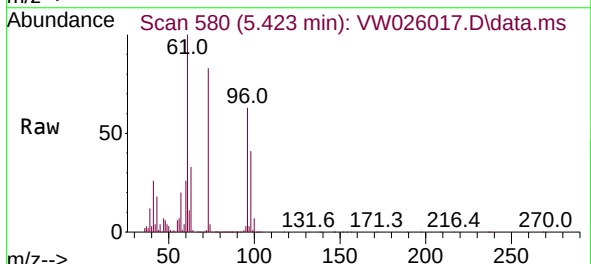
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025495

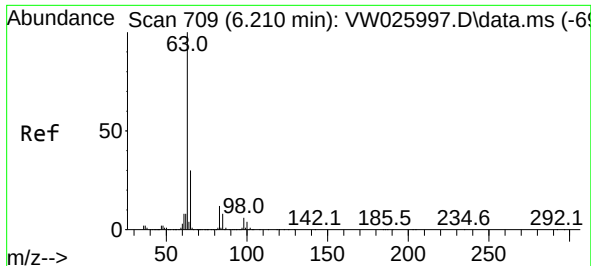
Tgt Ion: 96 Resp: 199446  
Ion Ratio Lower Upper  
96 100  
61 157.9 108.1 200.9  
98 64.5 44.0 81.8



#18  
Methyl tert-butyl Ether  
Concen: 22.518 ug/L  
RT: 5.423 min Scan# 580  
Delta R.T. 0.006 min  
Lab File: VW026017.D  
Acq: 22 May 2023 08:19

Tgt Ion: 73 Resp: 299740  
Ion Ratio Lower Upper  
73 100  
43 22.3 18.2 27.4  
57 24.3 19.2 28.8





#19

1,1-Dichloroethane

Concen: 24.098 ug/L

RT: 6.210 min Scan# 709

Delta R.T. -0.000 min

Lab File: VW026017.D

Acq: 22 May 2023 08:19

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025495

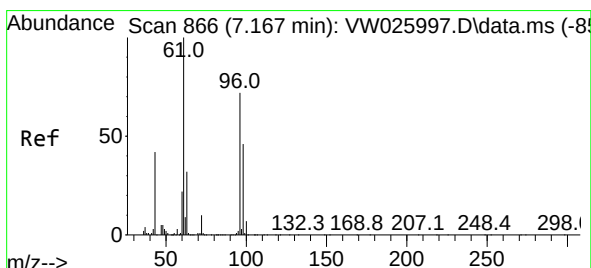
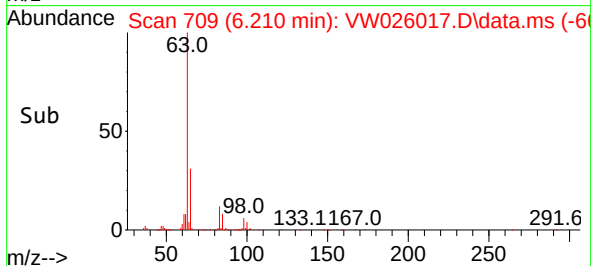
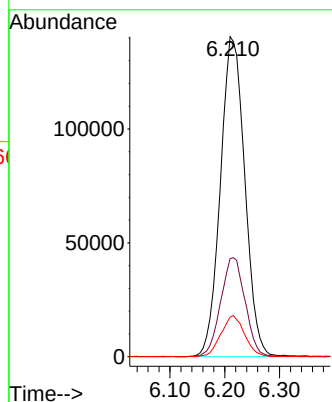
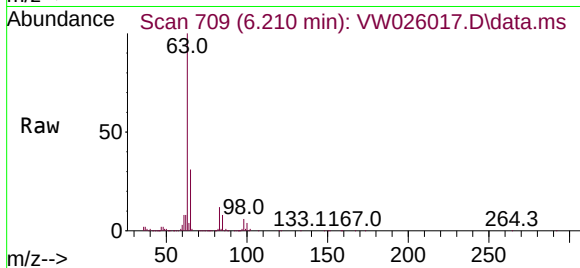
Tgt Ion: 63 Resp: 434236

Ion Ratio Lower Upper

63 100

65 30.6 22.4 41.6

83 12.4 8.7 16.1



#20

cis-1,2-Dichloroethene

Concen: 23.020 ug/L

RT: 7.167 min Scan# 866

Delta R.T. -0.000 min

Lab File: VW026017.D

Acq: 22 May 2023 08:19

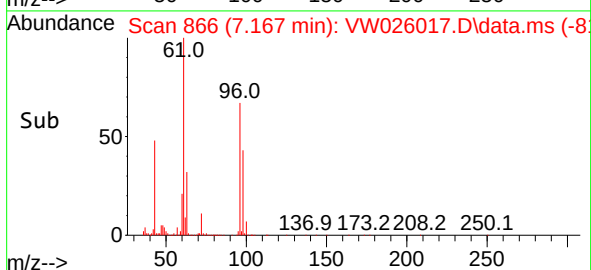
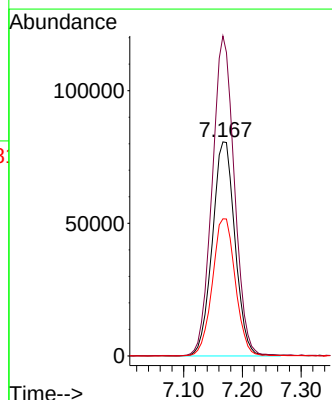
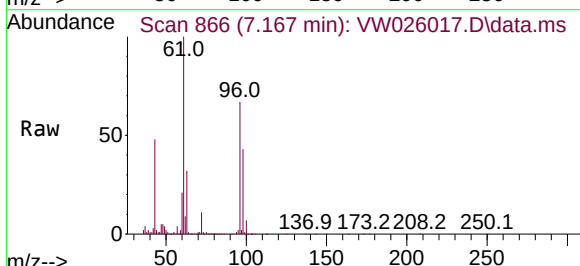
Tgt Ion: 96 Resp: 216604

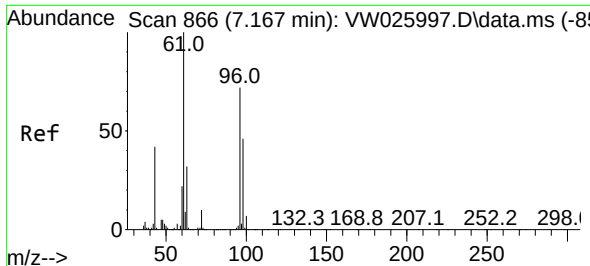
Ion Ratio Lower Upper

96 100

61 149.5 98.6 183.0

98 64.1 45.2 84.0

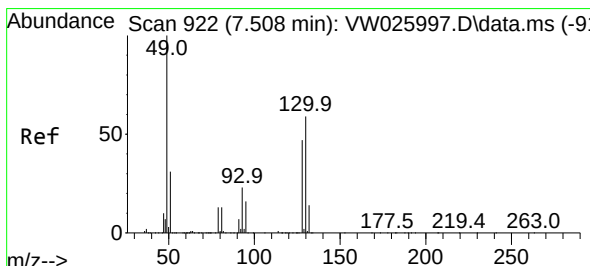
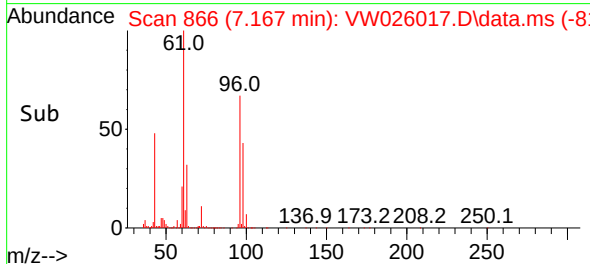
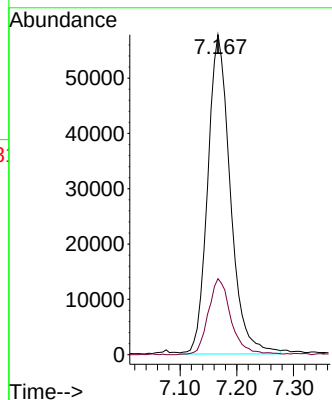
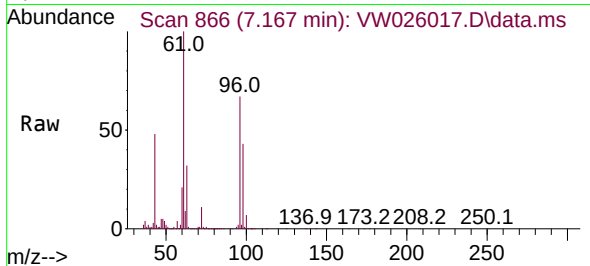




#22  
2-Butanone  
Concen: 46.361 ug/L  
RT: 7.167 min Scan# 866  
Delta R.T. -0.000 min  
Lab File: VW026017.D  
Acq: 22 May 2023 08:19

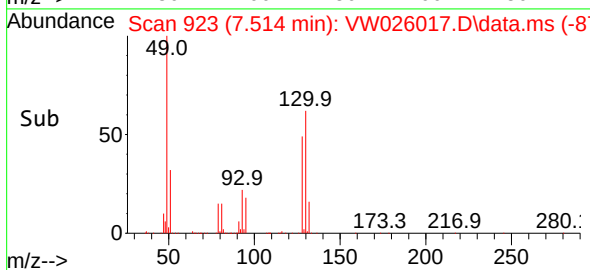
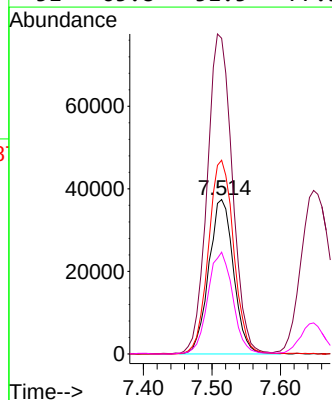
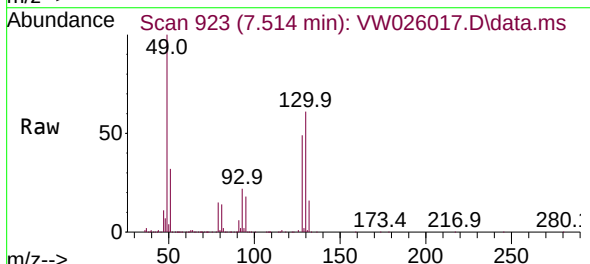
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025495

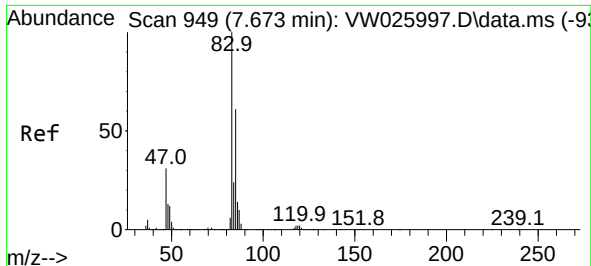
Tgt Ion: 43 Resp: 159850  
Ion Ratio Lower Upper  
43 100  
72 23.3 11.8 35.4



#23  
Bromochloromethane  
Concen: 23.491 ug/L  
RT: 7.514 min Scan# 923  
Delta R.T. 0.006 min  
Lab File: VW026017.D  
Acq: 22 May 2023 08:19

Tgt Ion: 128 Resp: 93640  
Ion Ratio Lower Upper  
128 100  
49 204.4 151.5 281.5  
130 125.5 91.3 169.6  
51 65.8 51.5 77.3

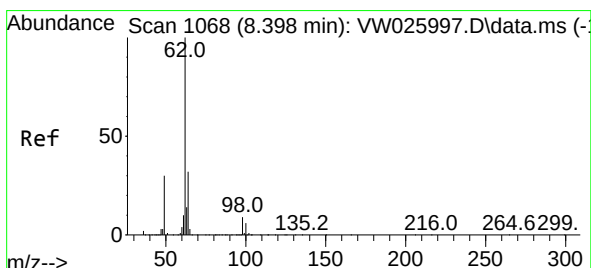
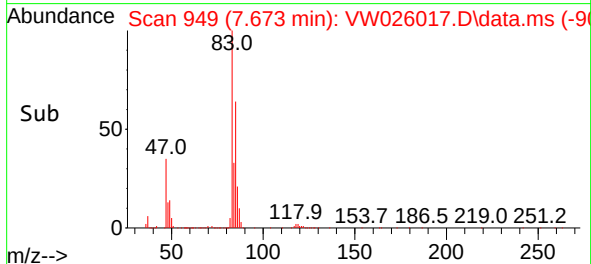
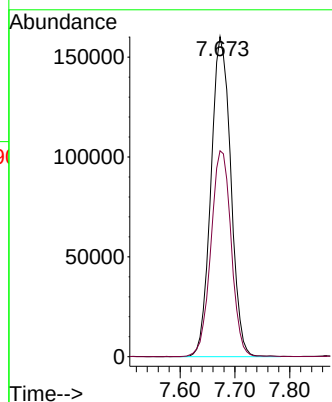
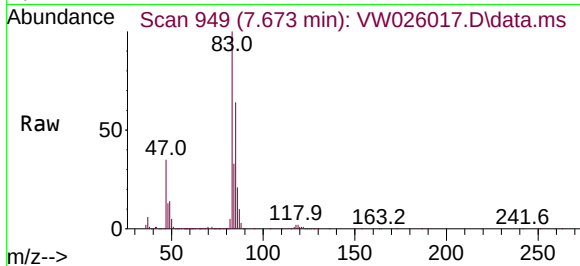




#25  
Chloroform  
Concen: 24.280 ug/L  
RT: 7.673 min Scan# 949  
Delta R.T. -0.000 min  
Lab File: VW026017.D  
Acq: 22 May 2023 08:19

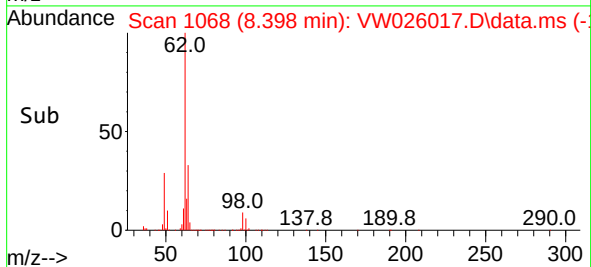
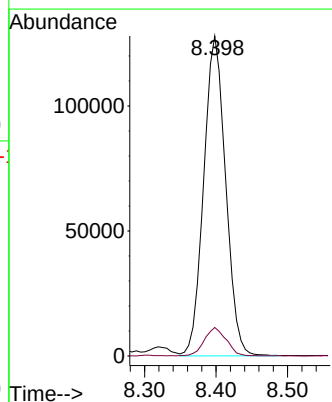
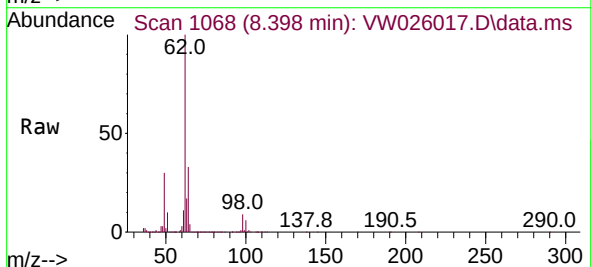
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025495

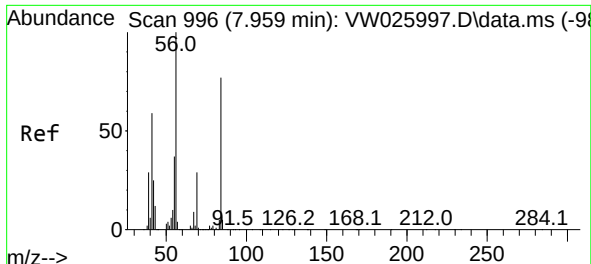
Tgt Ion: 83 Resp: 402116  
Ion Ratio Lower Upper  
83 100  
85 64.4 45.1 83.9



#27  
1,2-Dichloroethane  
Concen: 23.193 ug/L  
RT: 8.398 min Scan# 1068  
Delta R.T. -0.000 min  
Lab File: VW026017.D  
Acq: 22 May 2023 08:19

Tgt Ion: 62 Resp: 272786  
Ion Ratio Lower Upper  
62 100  
98 8.9 7.2 10.8





#29

Cyclohexane

Concen: 22.892 ug/L

RT: 7.953 min Scan# 996

Delta R.T. -0.006 min

Lab File: VW026017.D

Acq: 22 May 2023 08:19

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025495

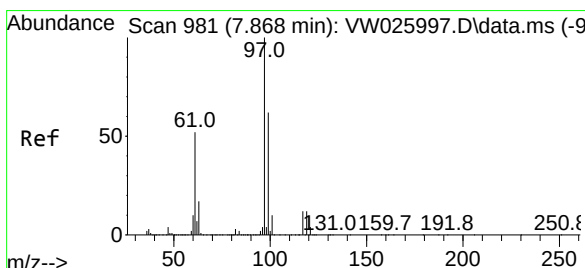
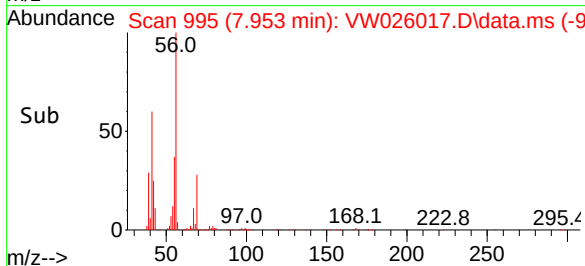
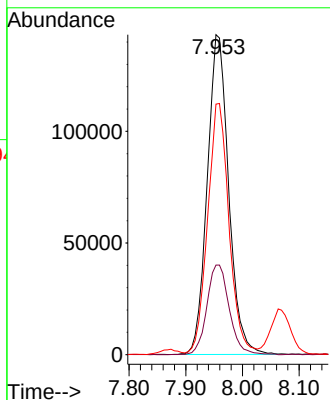
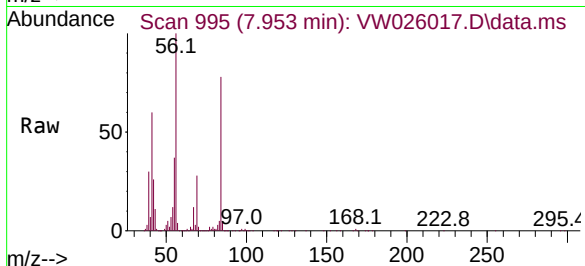
Tgt Ion: 56 Resp: 376072

Ion Ratio Lower Upper

56 100

69 29.2 23.4 35.0

84 78.3 63.3 94.9



#30

1,1,1-Trichloroethane

Concen: 24.828 ug/L

RT: 7.874 min Scan# 982

Delta R.T. 0.006 min

Lab File: VW026017.D

Acq: 22 May 2023 08:19

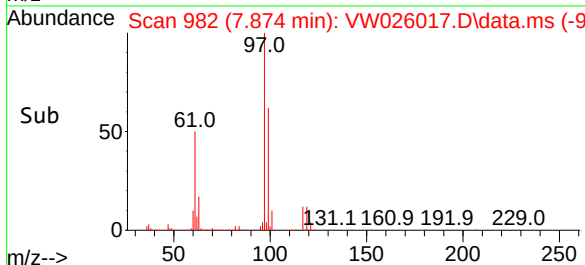
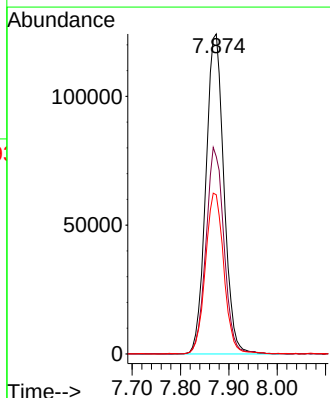
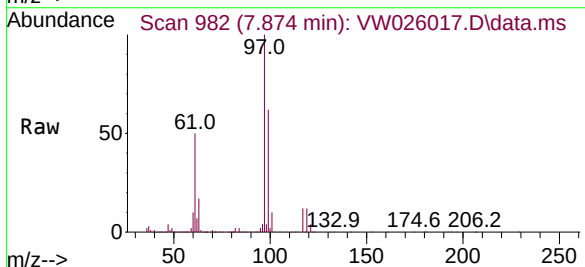
Tgt Ion: 97 Resp: 321878

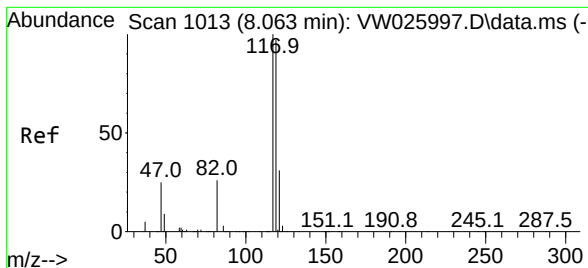
Ion Ratio Lower Upper

97 100

99 63.7 51.1 76.7

61 51.6 40.4 60.6

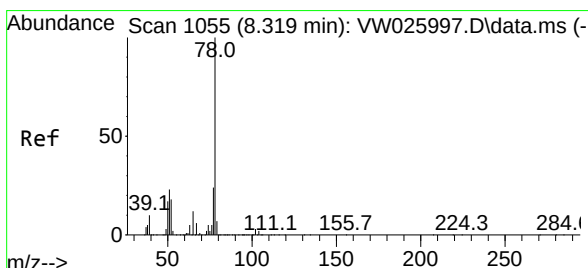
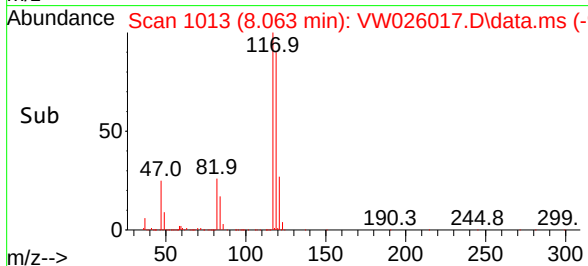
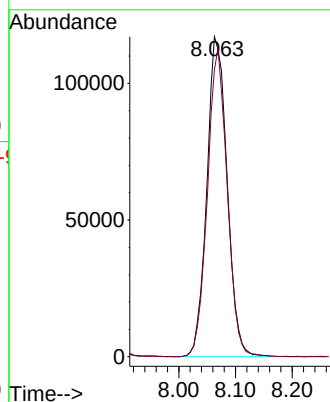
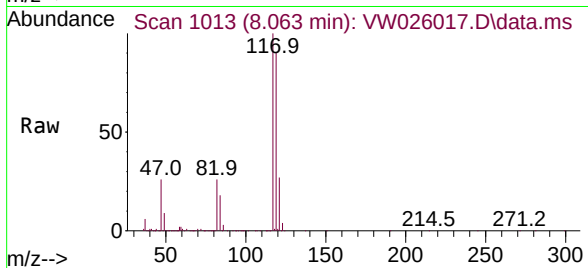




#31  
Carbon tetrachloride  
Concen: 24.975 ug/L  
RT: 8.063 min Scan# 1013  
Delta R.T. -0.000 min  
Lab File: VW026017.D  
Acq: 22 May 2023 08:19

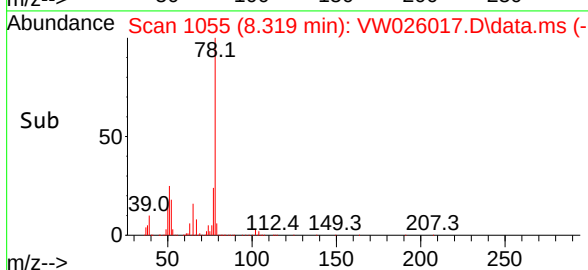
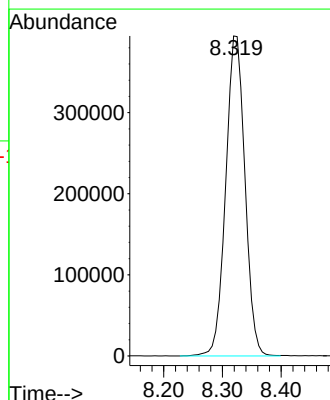
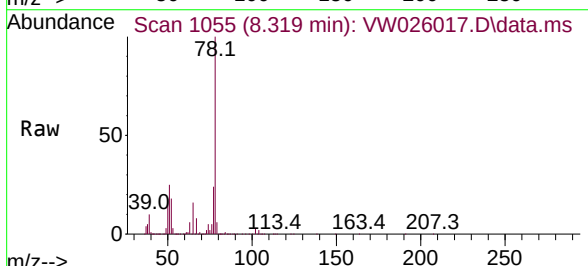
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025495

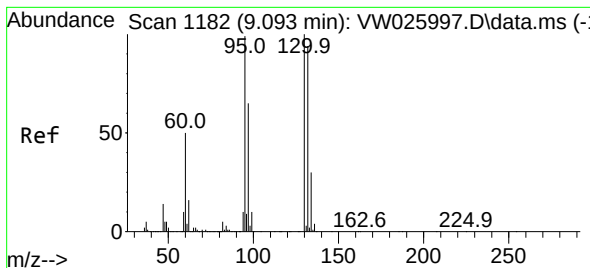
Tgt Ion:117 Resp: 291389  
Ion Ratio Lower Upper  
117 100  
119 93.8 76.9 115.3



#33  
Benzene  
Concen: 24.455 ug/L  
RT: 8.319 min Scan# 1055  
Delta R.T. -0.000 min  
Lab File: VW026017.D  
Acq: 22 May 2023 08:19

Tgt Ion: 78 Resp: 896900





#34

Trichloroethene

Concen: 23.906 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. -0.000 min

Lab File: VW026017.D

Acq: 22 May 2023 08:19

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025495

Tgt Ion: 95 Resp: 224983

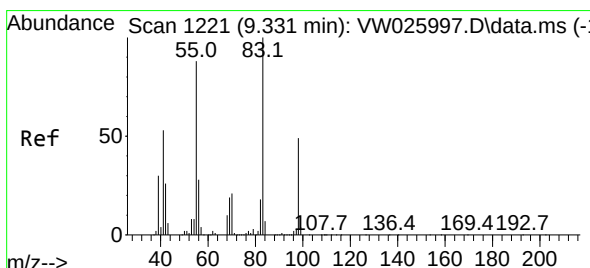
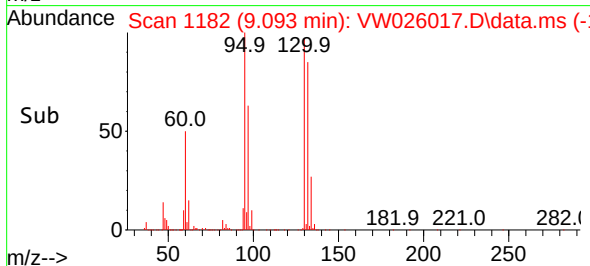
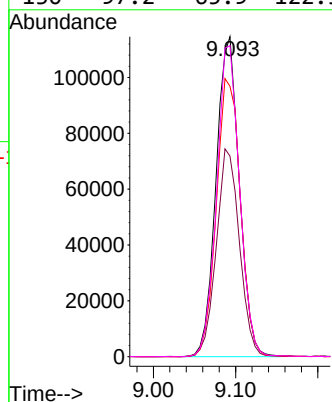
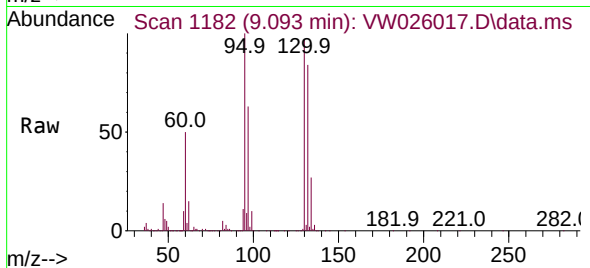
Ion Ratio Lower Upper

95 100

97 62.7 45.9 85.3

132 84.5 66.0 122.6

130 97.2 65.9 122.3



#35

Methylcyclohexane

Concen: 23.456 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. -0.000 min

Lab File: VW026017.D

Acq: 22 May 2023 08:19

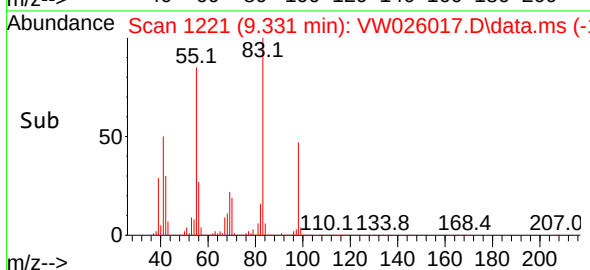
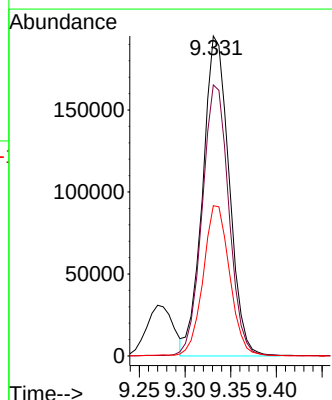
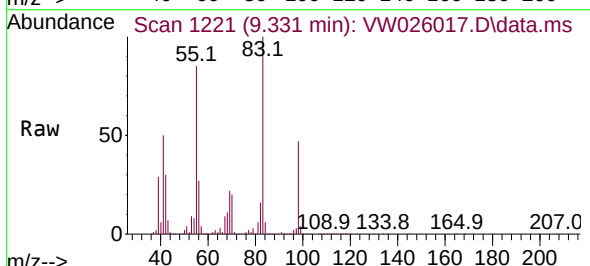
Tgt Ion: 83 Resp: 392632

Ion Ratio Lower Upper

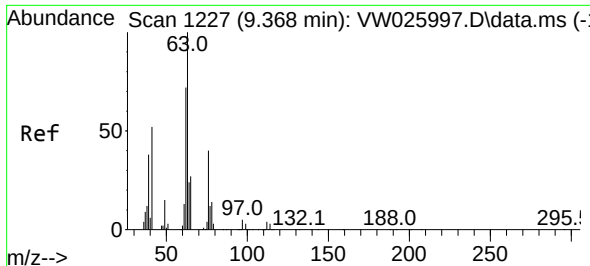
83 100

55 85.5 69.0 103.4

98 47.2 37.1 55.7







#37

1,2-Dichloropropane

Concen: 24.621 ug/L

RT: 9.368 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW026017.D

Acq: 22 May 2023 08:19

Instrument :

MSVOA\_W

ClientSampleId :

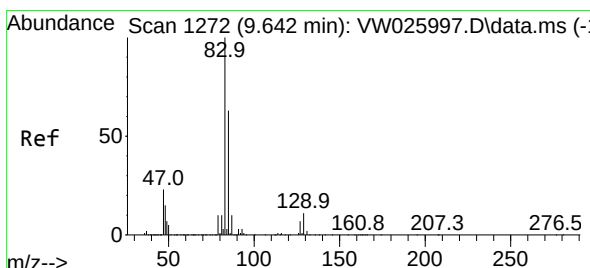
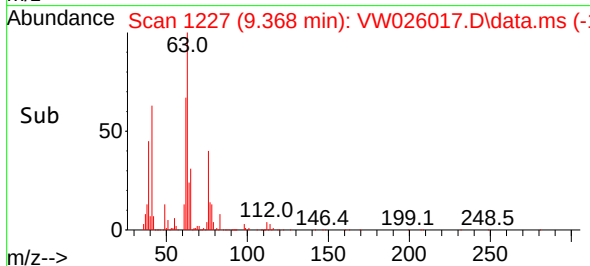
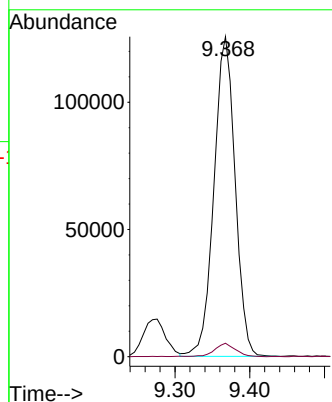
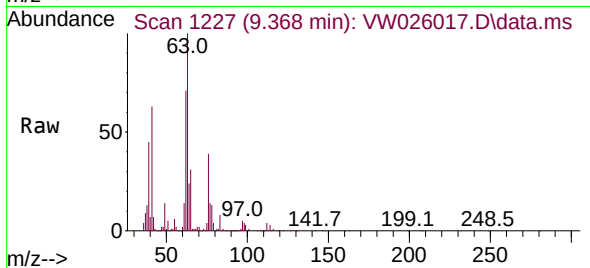
VSTD025495

Tgt Ion: 63 Resp: 247404

Ion Ratio Lower Upper

63 100

112 4.1 3.3 4.9



#38

Bromodichloromethane

Concen: 24.409 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW026017.D

Acq: 22 May 2023 08:19

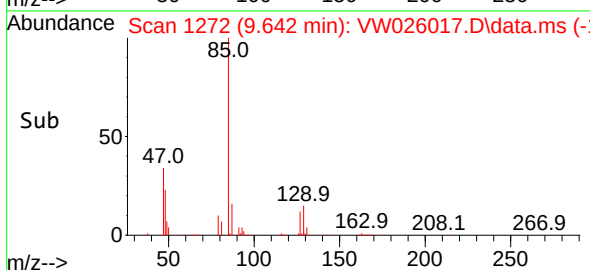
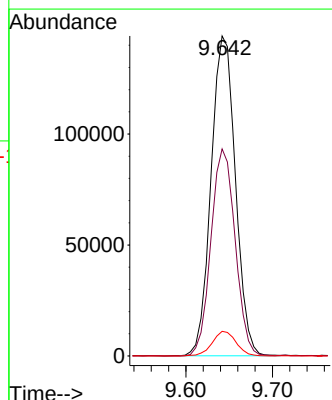
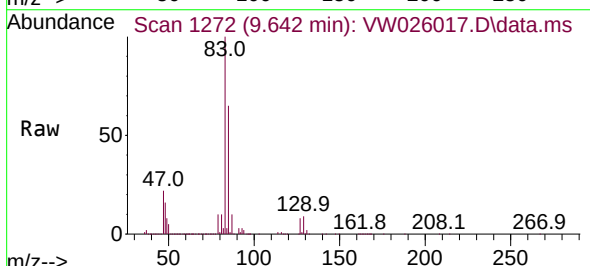
Tgt Ion: 83 Resp: 281391

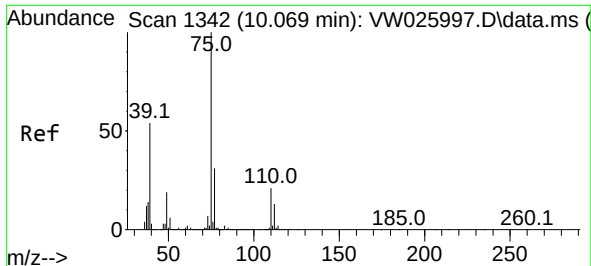
Ion Ratio Lower Upper

83 100

85 64.7 44.4 82.5

127 7.7 6.5 9.7

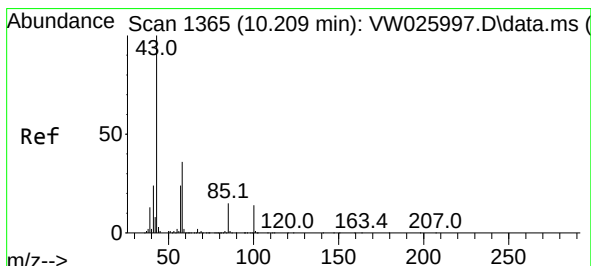
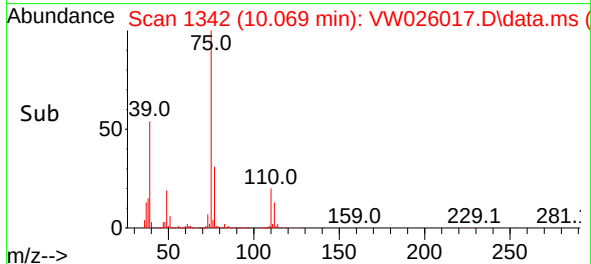
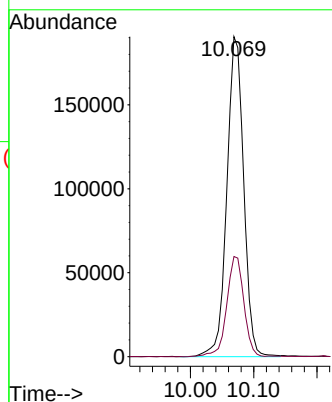
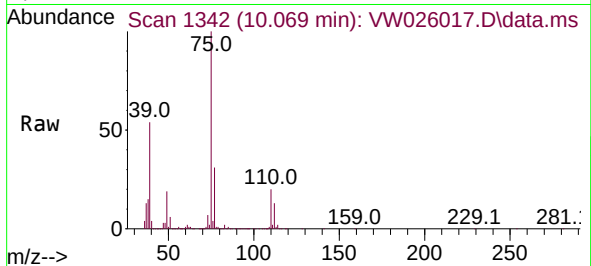




#39  
 cis-1,3-Dichloropropene  
 Concen: 23.866 ug/L  
 RT: 10.069 min Scan# 1342  
 Delta R.T. -0.000 min  
 Lab File: VW026017.D  
 Acq: 22 May 2023 08:19

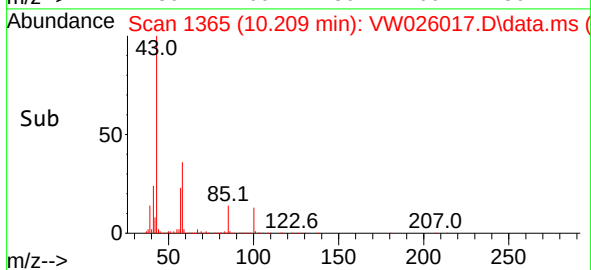
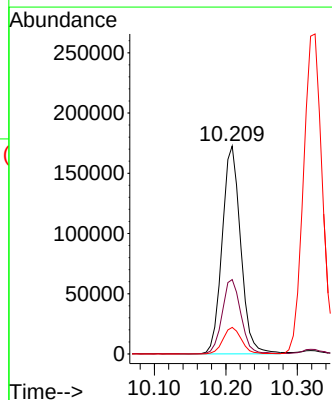
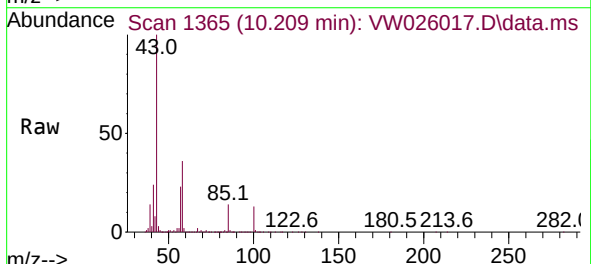
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025495

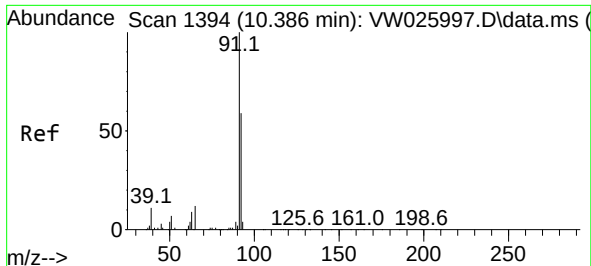
Tgt Ion: 75 Resp: 351677  
 Ion Ratio Lower Upper  
 75 100  
 77 31.3 22.4 41.6



#40  
 4-Methyl-2-pentanone  
 Concen: 47.426 ug/L  
 RT: 10.209 min Scan# 1365  
 Delta R.T. -0.000 min  
 Lab File: VW026017.D  
 Acq: 22 May 2023 08:19

Tgt Ion: 43 Resp: 310188  
 Ion Ratio Lower Upper  
 43 100  
 58 36.5 29.4 44.0  
 100 12.7 10.1 15.1





#42

Toluene

Concen: 24.804 ug/L

RT: 10.386 min Scan# 1394

Delta R.T. -0.000 min

Lab File: VW026017.D

Acq: 22 May 2023 08:19

Instrument :

MSVOA\_W

ClientSampleId :

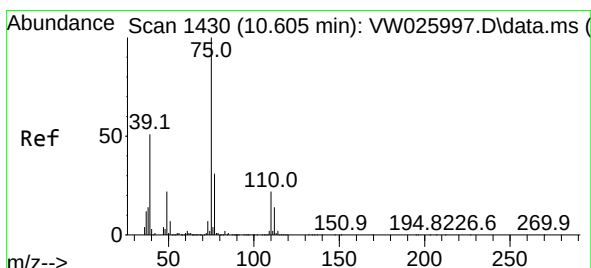
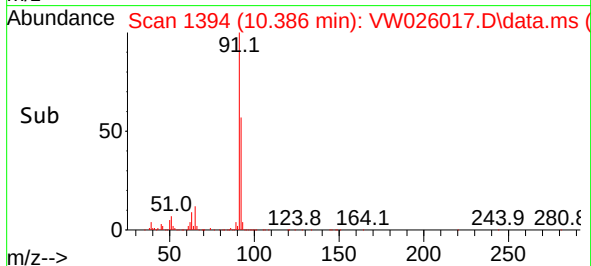
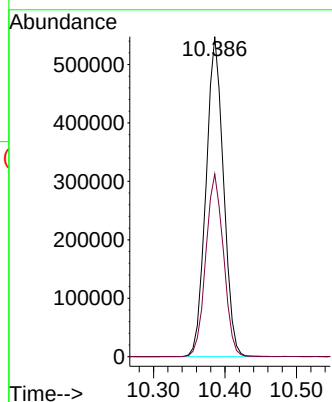
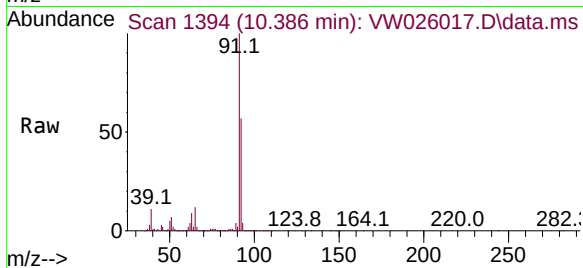
VSTD025495

Tgt Ion: 91 Resp: 929518

Ion Ratio Lower Upper

91 100

92 57.1 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 24.358 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VW026017.D

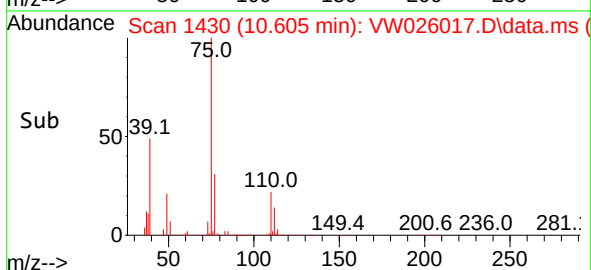
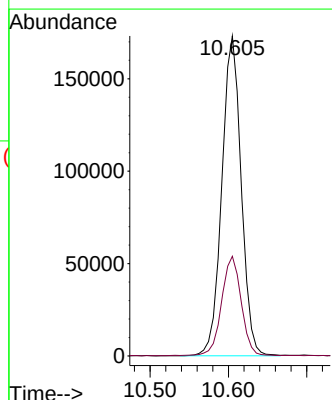
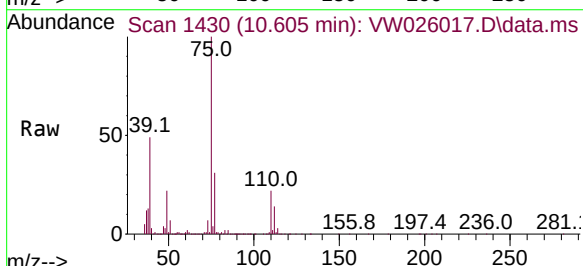
Acq: 22 May 2023 08:19

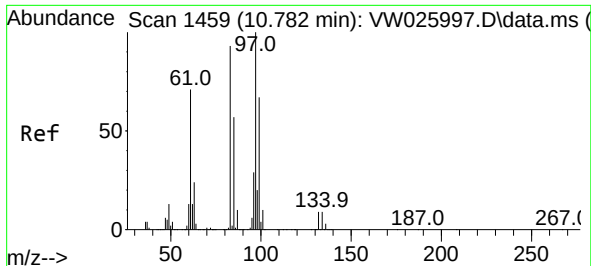
Tgt Ion: 75 Resp: 297414

Ion Ratio Lower Upper

75 100

77 31.2 21.8 40.4

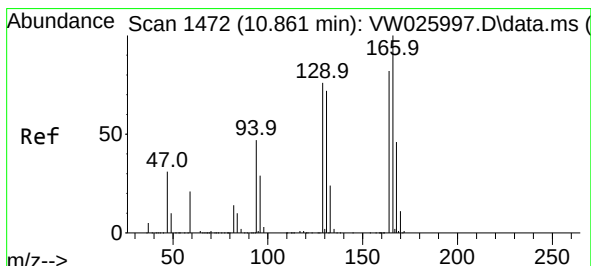
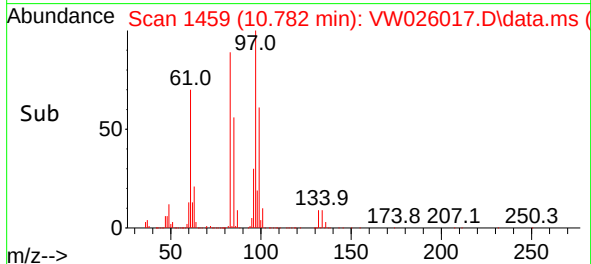
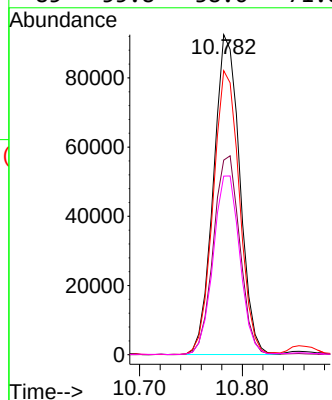
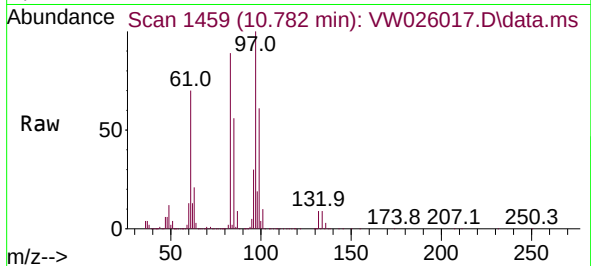




#45  
1,1,2-Trichloroethane  
Concen: 24.371 ug/L  
RT: 10.782 min Scan# 1459  
Delta R.T. -0.000 min  
Lab File: VW026017.D  
Acq: 22 May 2023 08:19

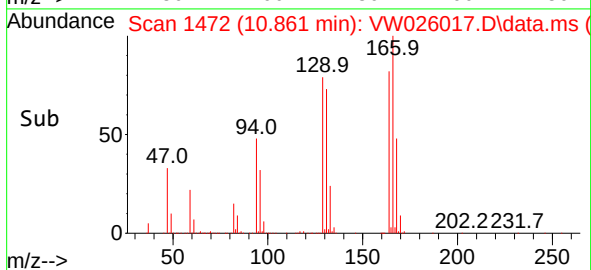
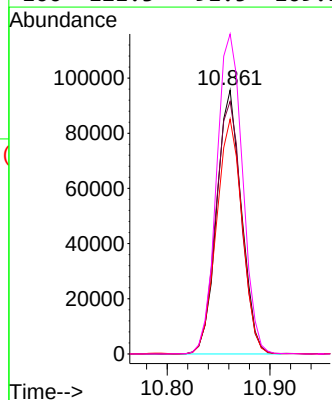
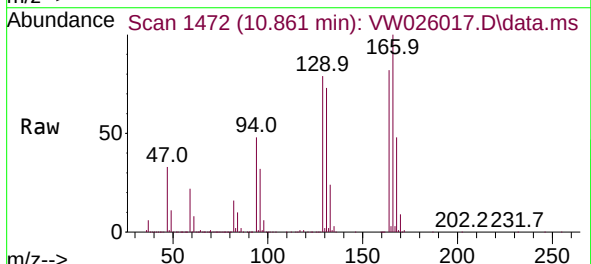
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025495

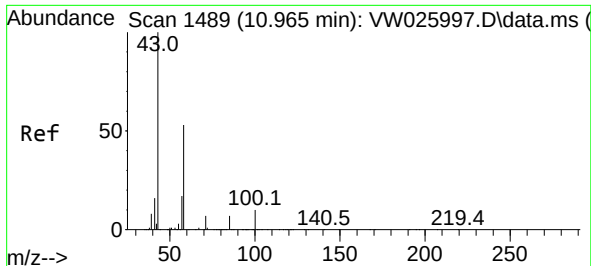
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 163814 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 60.8  | 44.5  | 82.7   |
| 83       | 88.8  | 63.0  | 117.0  |
| 85       | 55.8  | 38.6  | 71.8   |



#46  
Tetrachloroethene  
Concen: 24.093 ug/L  
RT: 10.861 min Scan# 1472  
Delta R.T. -0.000 min  
Lab File: VW026017.D  
Acq: 22 May 2023 08:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 159521 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 95.8  | 74.3  | 138.1  |
| 131      | 89.1  | 71.3  | 132.3  |
| 166      | 121.3 | 91.5  | 169.9  |

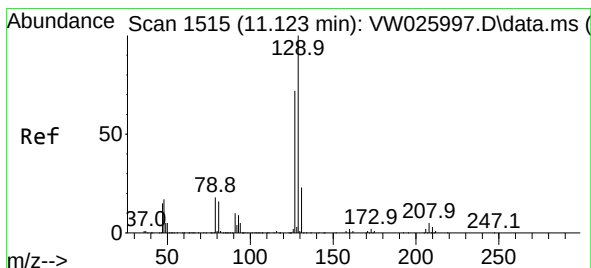
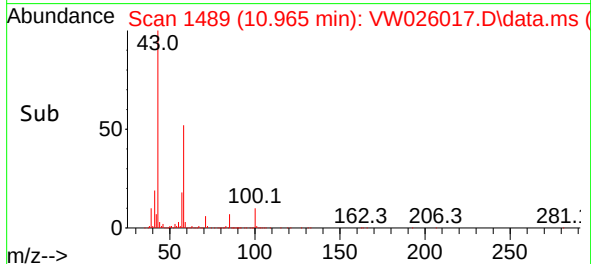
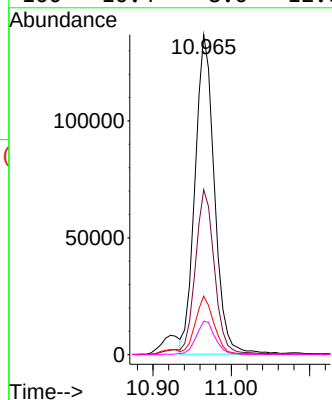
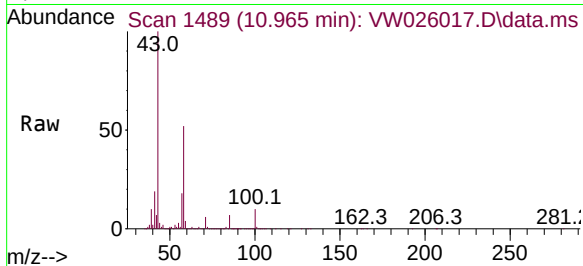




#48  
2-Hexanone  
Concen: 50.254 ug/L  
RT: 10.965 min Scan# 1489  
Delta R.T. -0.000 min  
Lab File: VW026017.D  
Acq: 22 May 2023 08:19

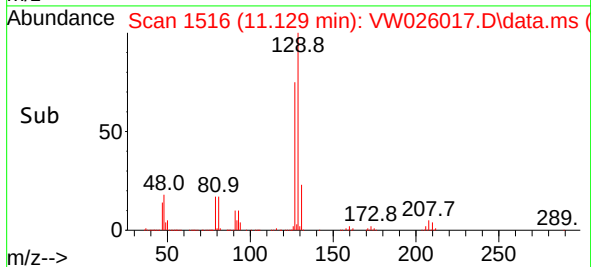
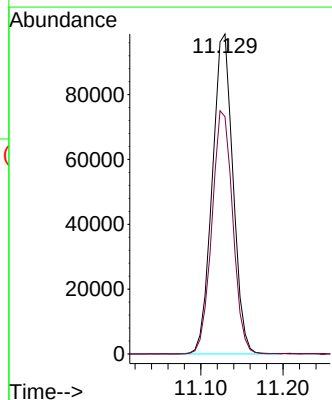
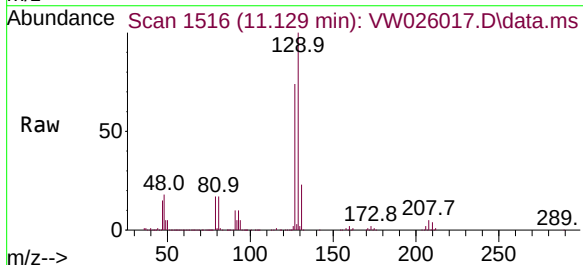
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025495

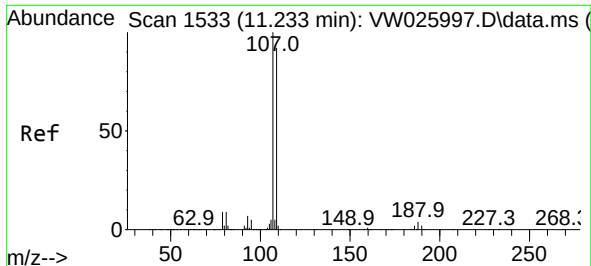
Tgt Ion: 43 Resp: 235469  
Ion Ratio Lower Upper  
43 100  
58 50.8 40.8 61.2  
57 17.8 13.6 20.4  
100 10.4 8.0 12.0



#49  
Dibromochloromethane  
Concen: 24.874 ug/L  
RT: 11.129 min Scan# 1516  
Delta R.T. 0.006 min  
Lab File: VW026017.D  
Acq: 22 May 2023 08:19

Tgt Ion: 129 Resp: 173092  
Ion Ratio Lower Upper  
129 100  
127 74.2 56.1 104.3





#50

1,2-Dibromoethane

Concen: 23.451 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VW026017.D

Acq: 22 May 2023 08:19

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025495

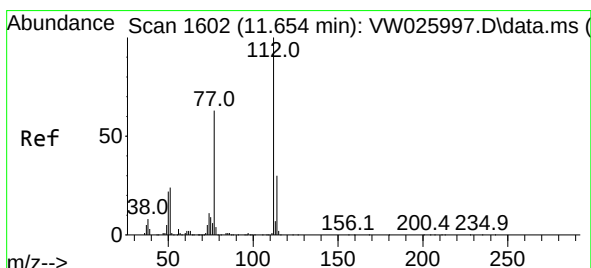
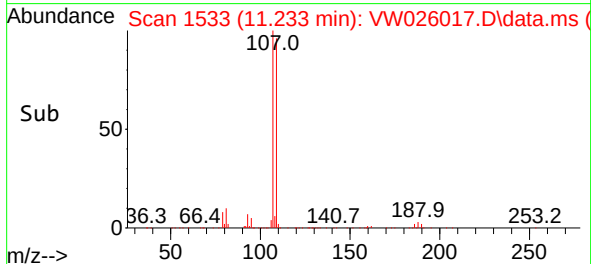
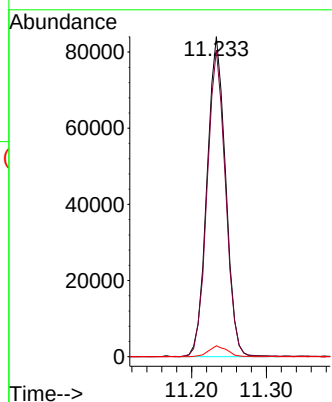
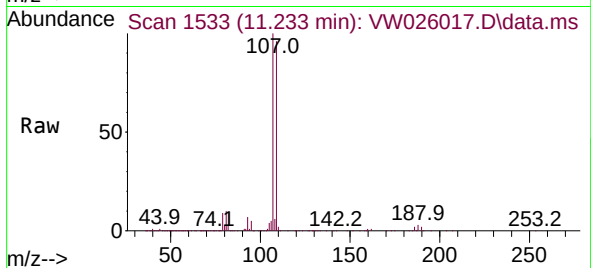
Tgt Ion:107 Resp: 145316

Ion Ratio Lower Upper

107 100

109 95.9 67.5 125.4

188 3.4 2.6 4.0



#51

Chlorobenzene

Concen: 24.650 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VW026017.D

Acq: 22 May 2023 08:19

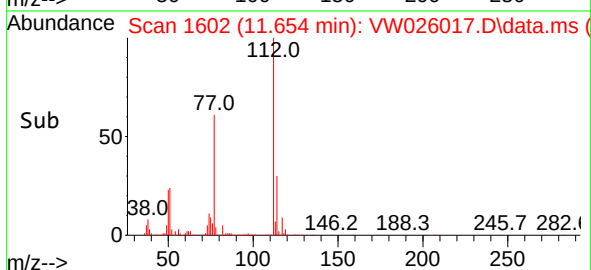
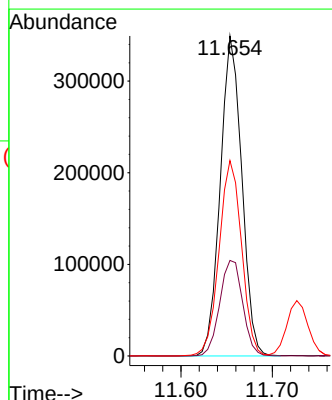
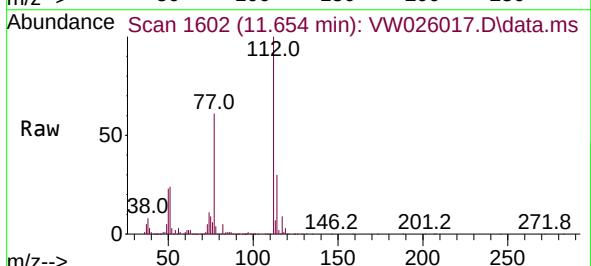
Tgt Ion:112 Resp: 572249

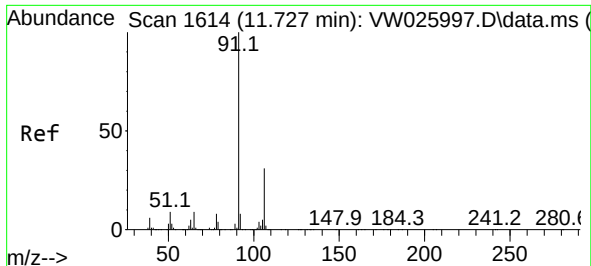
Ion Ratio Lower Upper

112 100

114 29.8 22.7 42.3

77 61.1 53.0 79.6





#52

Ethylbenzene

Concen: 24.955 ug/L

RT: 11.727 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW026017.D

Acq: 22 May 2023 08:19

Instrument :

MSVOA\_W

ClientSampleId :

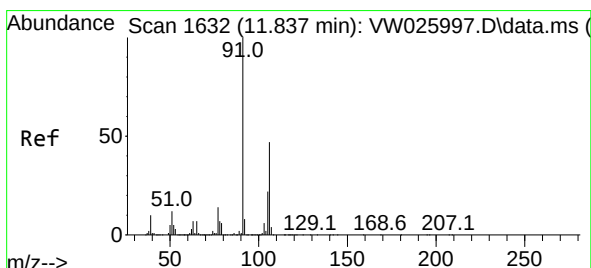
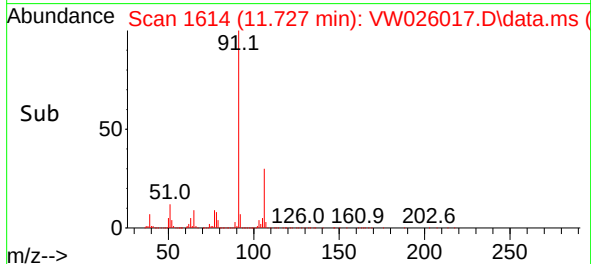
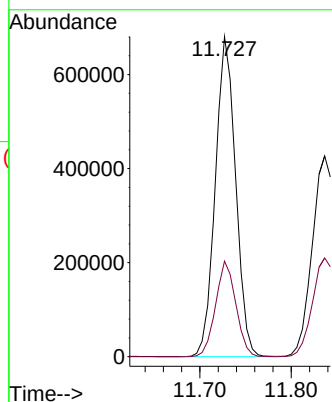
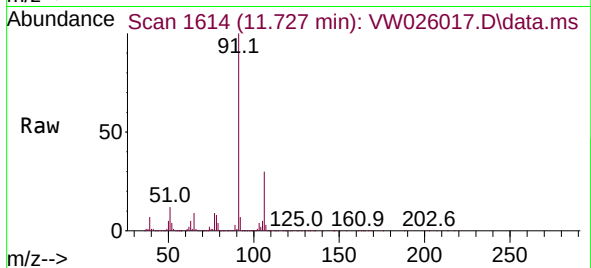
VSTD025495

Tgt Ion: 91 Resp: 1051963

Ion Ratio Lower Upper

91 100

106 29.9 20.8 38.6



#53

m,p-Xylene

Concen: 25.235 ug/L

RT: 11.837 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VW026017.D

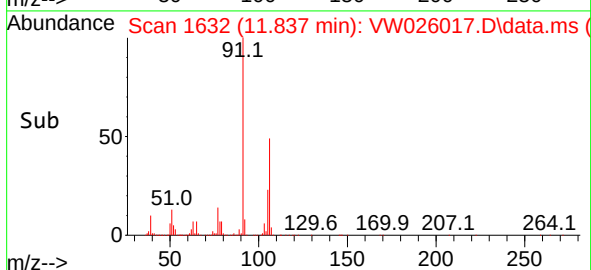
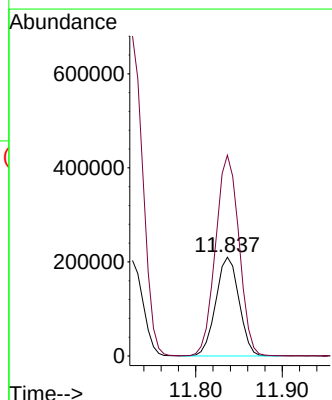
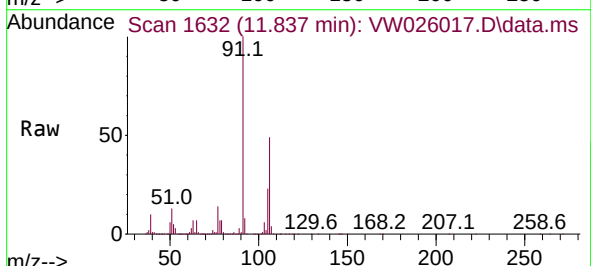
Acq: 22 May 2023 08:19

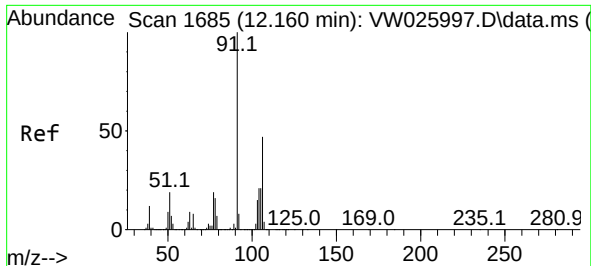
Tgt Ion:106 Resp: 391515

Ion Ratio Lower Upper

106 100

91 203.4 150.1 278.9

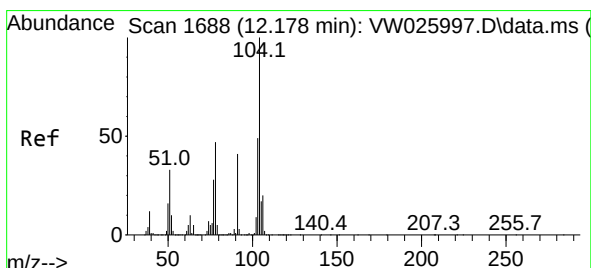
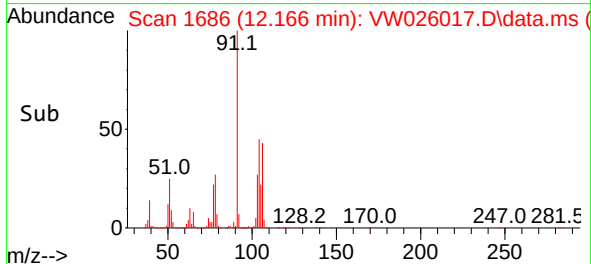
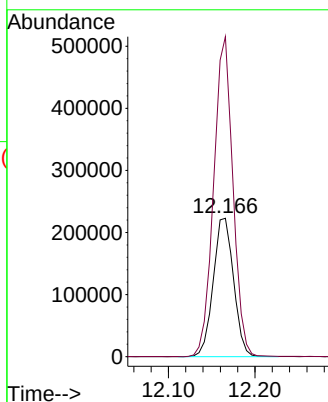
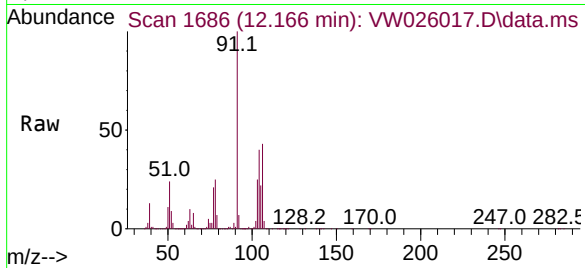




#54  
o-Xylene  
Concen: 24.906 ug/L  
RT: 12.166 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VW026017.D  
Acq: 22 May 2023 08:19

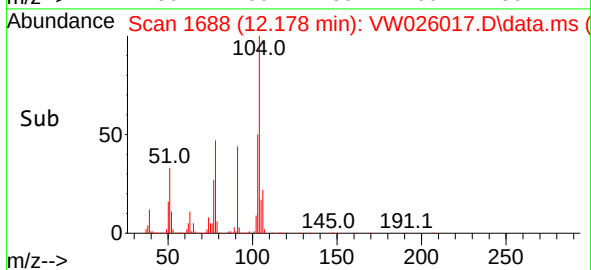
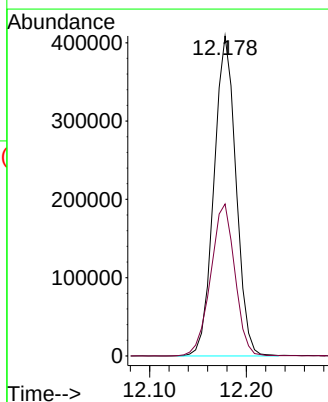
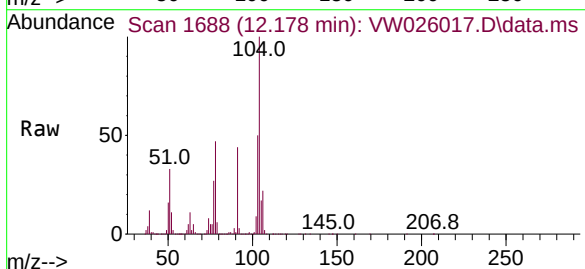
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025495

Tgt Ion:106 Resp: 364218  
Ion Ratio Lower Upper  
106 100  
91 231.3 157.8 293.1

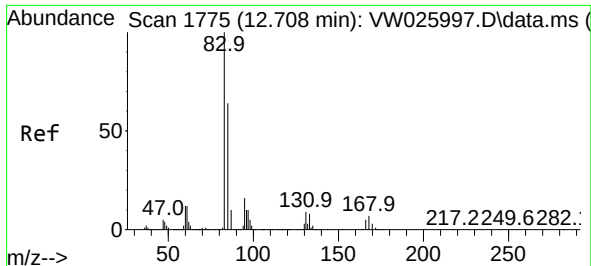


#55  
Styrene  
Concen: 25.828 ug/L  
RT: 12.178 min Scan# 1688  
Delta R.T. -0.000 min  
Lab File: VW026017.D  
Acq: 22 May 2023 08:19

Tgt Ion:104 Resp: 646457  
Ion Ratio Lower Upper  
104 100  
78 47.5 33.4 62.0







#57

1,1,2-Tetrachloroethane

Concen: 24.452 ug/L

RT: 12.714 min Scan# 1776

Delta R.T. 0.006 min

Lab File: VW026017.D

Acq: 22 May 2023 08:19

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025495

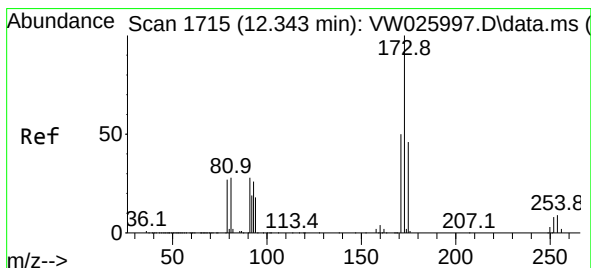
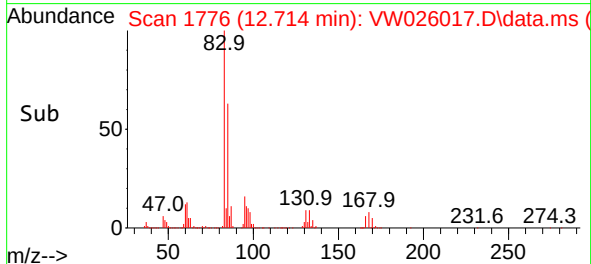
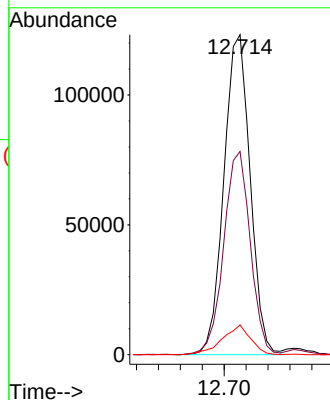
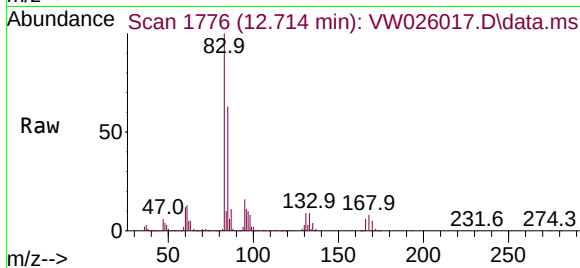
Tgt Ion: 83 Resp: 205083

Ion Ratio Lower Upper

83 100

85 63.5 45.6 84.8

131 9.3 8.1 12.1



#59

Bromoform

Concen: 23.624 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.006 min

Lab File: VW026017.D

Acq: 22 May 2023 08:19

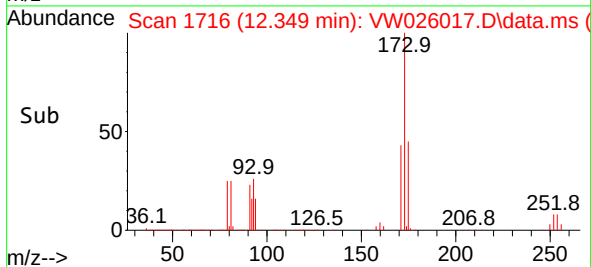
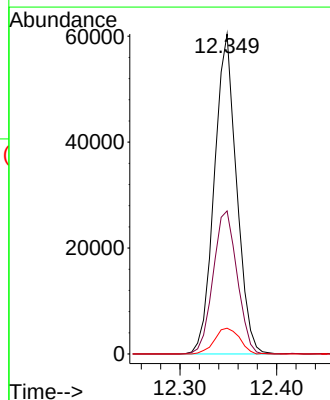
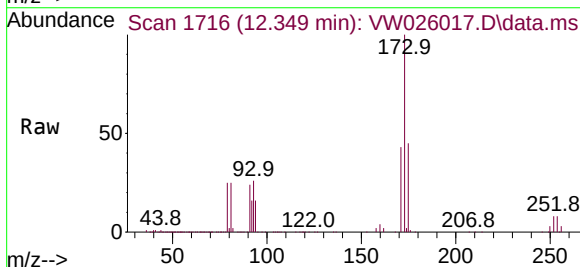
Tgt Ion: 173 Resp: 96514

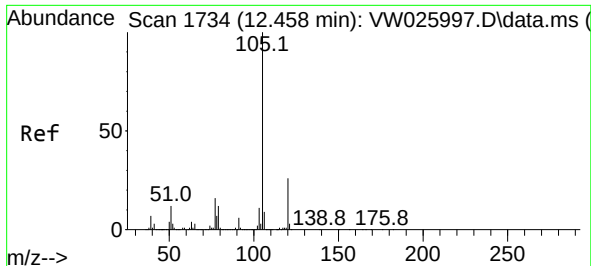
Ion Ratio Lower Upper

173 100

175 48.2 38.6 57.8

254 9.1 7.6 11.4

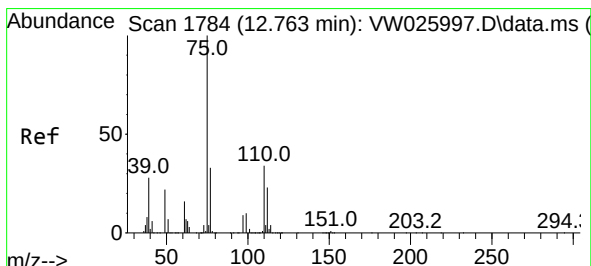
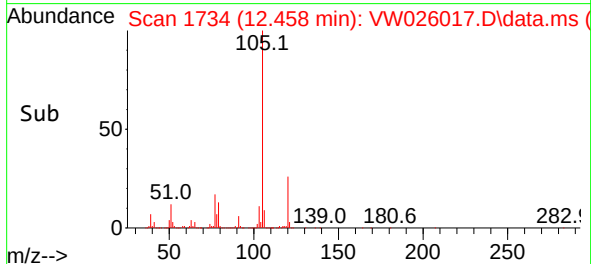
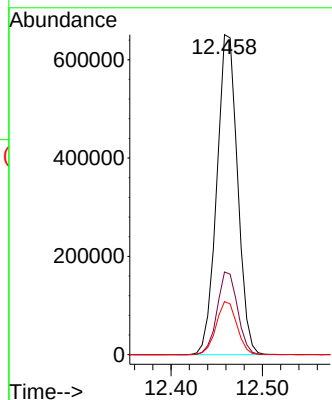
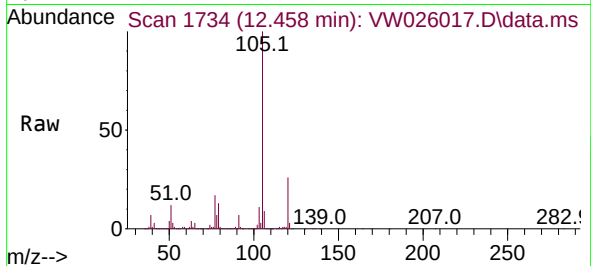




#60  
Isopropylbenzene  
Concen: 24.502 ug/L  
RT: 12.458 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW026017.D  
Acq: 22 May 2023 08:19

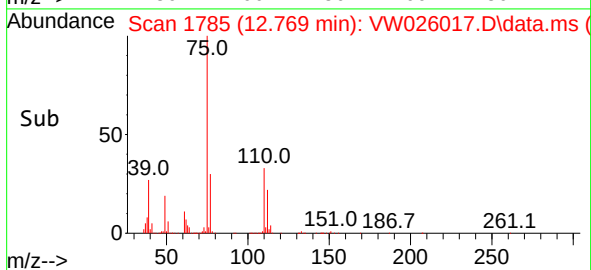
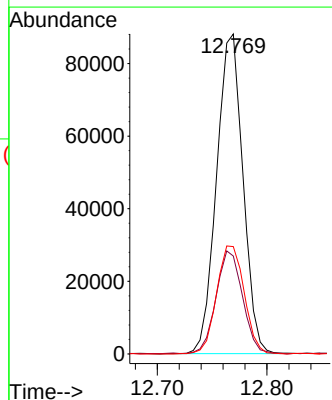
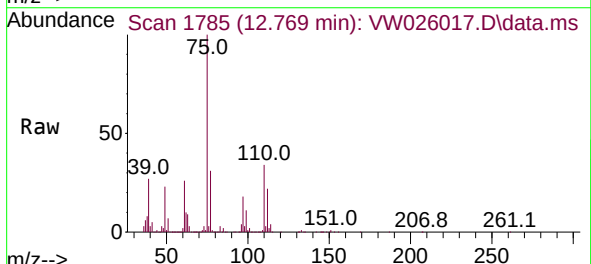
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025495

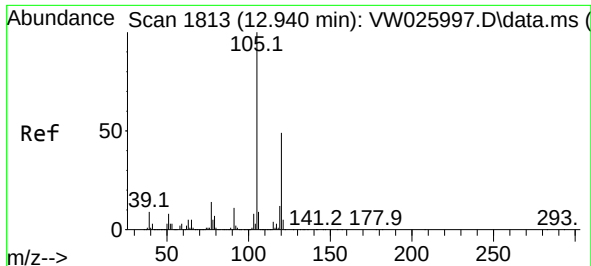
Tgt Ion:105 Resp: 1027262  
Ion Ratio Lower Upper  
105 100  
120 25.5 21.1 31.7  
77 16.6 13.4 20.0



#61  
1,2,3-Trichloropropane  
Concen: 22.605 ug/L  
RT: 12.769 min Scan# 1785  
Delta R.T. 0.006 min  
Lab File: VW026017.D  
Acq: 22 May 2023 08:19

Tgt Ion: 75 Resp: 147349  
Ion Ratio Lower Upper  
75 100  
77 32.5 25.2 37.8  
110 35.3 27.6 41.4

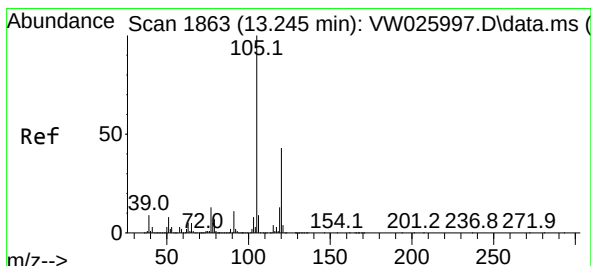
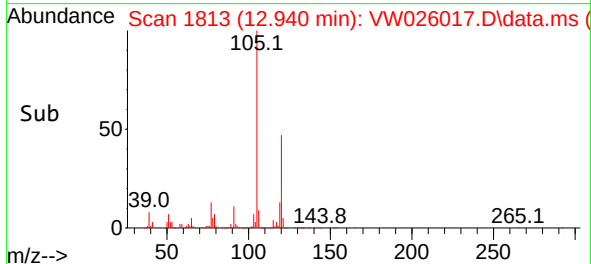
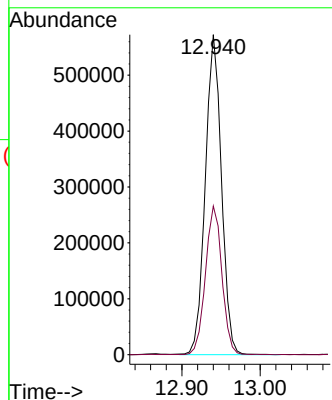
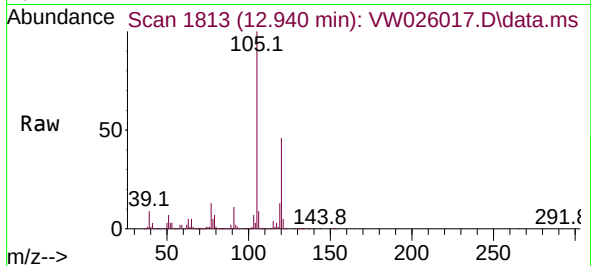




#62  
1,3,5-Trimethylbenzene  
Concen: 24.653 ug/L  
RT: 12.940 min Scan# 1813  
Delta R.T. -0.000 min  
Lab File: VW026017.D  
Acq: 22 May 2023 08:19

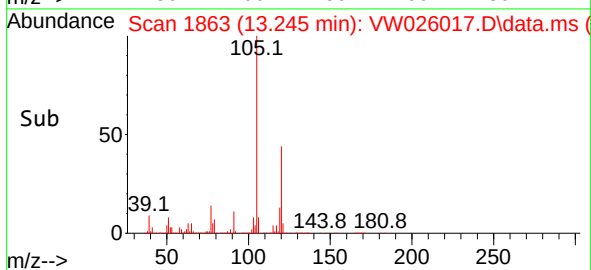
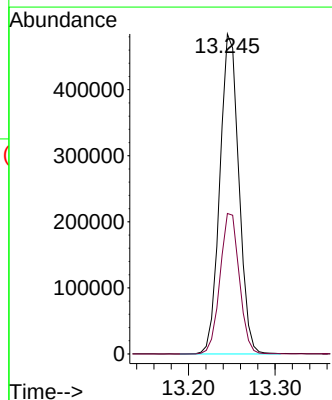
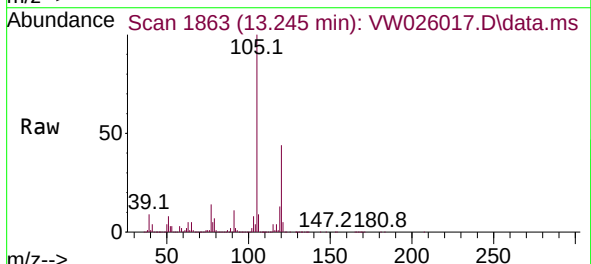
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025495

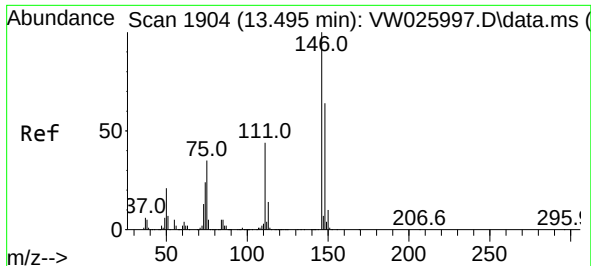
Tgt Ion:105 Resp: 818643  
Ion Ratio Lower Upper  
105 100  
120 47.2 37.1 55.7



#63  
1,2,4-Trimethylbenzene  
Concen: 24.096 ug/L  
RT: 13.245 min Scan# 1863  
Delta R.T. -0.000 min  
Lab File: VW026017.D  
Acq: 22 May 2023 08:19

Tgt Ion:105 Resp: 738386  
Ion Ratio Lower Upper  
105 100  
120 44.4 34.7 52.1

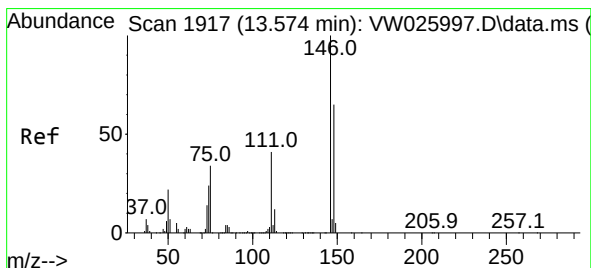
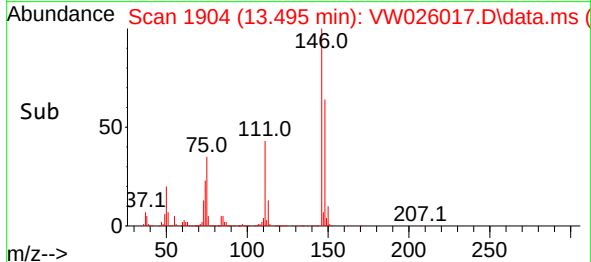
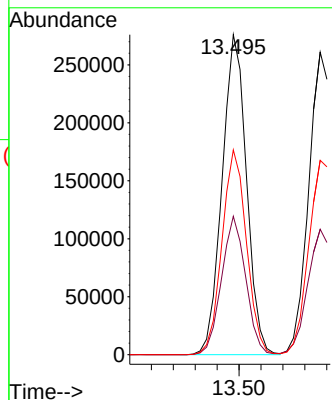
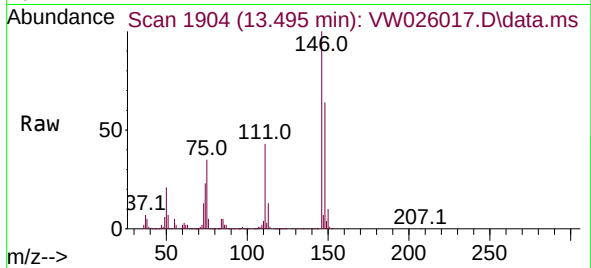




#64  
1,3-Dichlorobenzene  
Concen: 23.632 ug/L  
RT: 13.495 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VW026017.D  
Acq: 22 May 2023 08:19

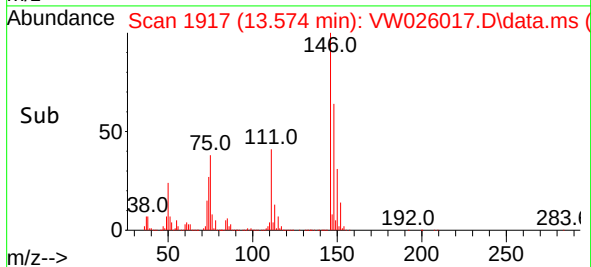
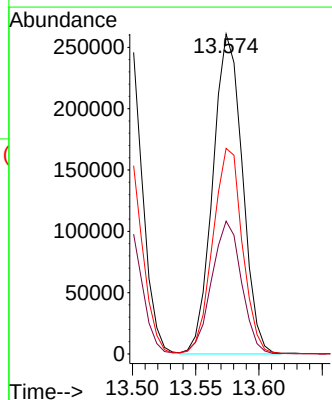
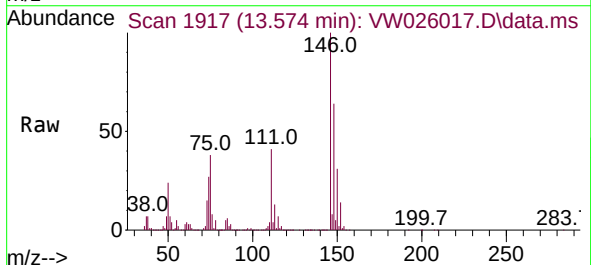
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025495

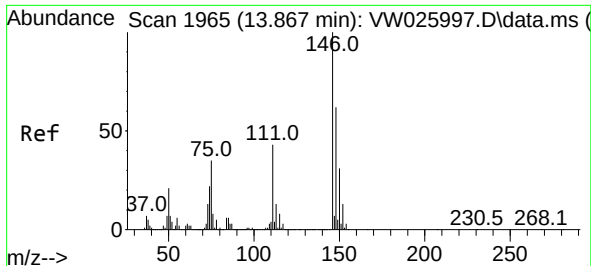
Tgt Ion:146 Resp: 426511  
Ion Ratio Lower Upper  
146 100  
111 43.3 30.4 56.4  
148 64.0 40.8 75.8



#65  
1,4-Dichlorobenzene  
Concen: 23.237 ug/L  
RT: 13.574 min Scan# 1917  
Delta R.T. -0.000 min  
Lab File: VW026017.D  
Acq: 22 May 2023 08:19

Tgt Ion:146 Resp: 423704  
Ion Ratio Lower Upper  
146 100  
111 41.5 27.9 51.9  
148 64.3 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 23.230 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW026017.D

Acq: 22 May 2023 08:19

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025495

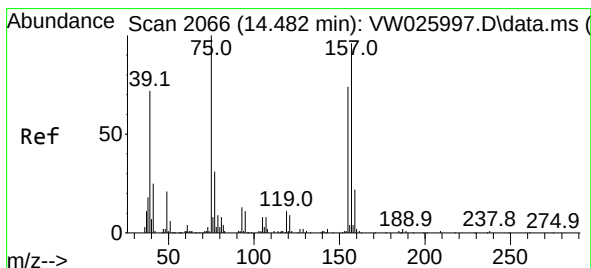
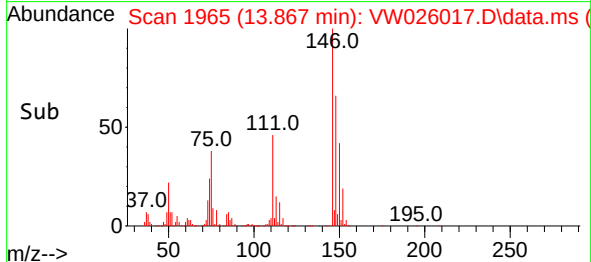
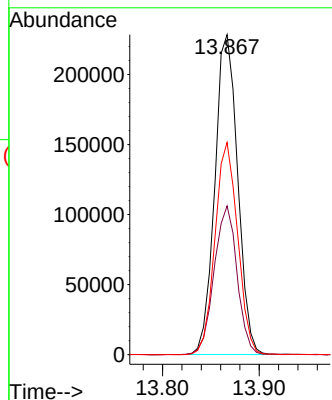
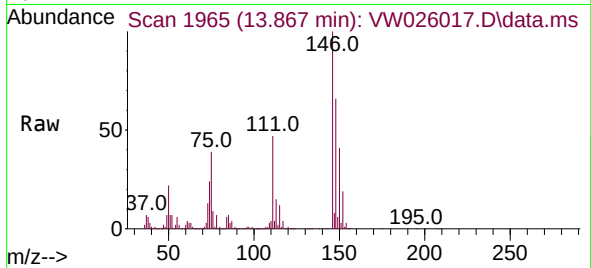
Tgt Ion:146 Resp: 373912

Ion Ratio Lower Upper

146 100

111 46.5 37.7 56.5

148 66.3 49.4 74.0



#68

1,2-Dibromo-3-chloropropane

Concen: 21.826 ug/L

RT: 14.482 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VW026017.D

Acq: 22 May 2023 08:19

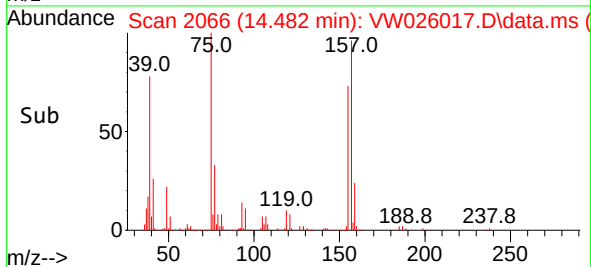
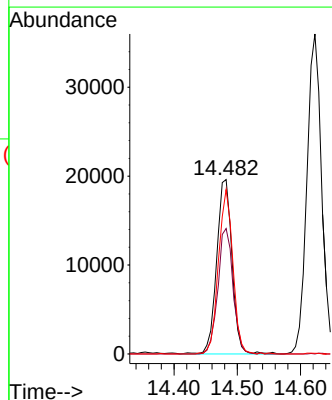
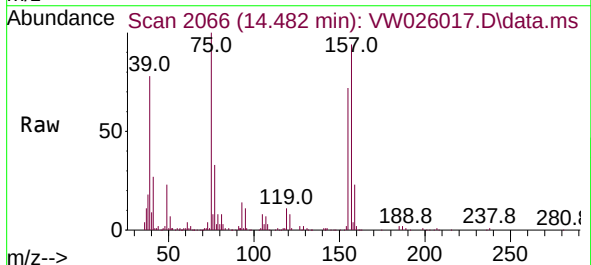
Tgt Ion: 75 Resp: 32991

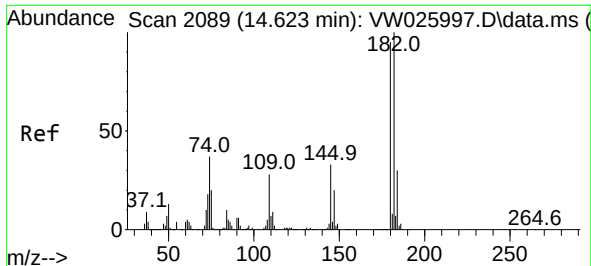
Ion Ratio Lower Upper

75 100

155 71.9 56.3 84.5

157 94.3 66.3 99.5





#69

1,3,5-Trichlorobenzene

Concen: 23.303 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. -0.000 min

Lab File: VW026017.D

Acq: 22 May 2023 08:19

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025495

Tgt Ion:180 Resp: 279176

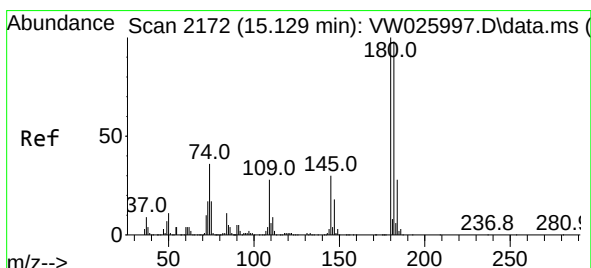
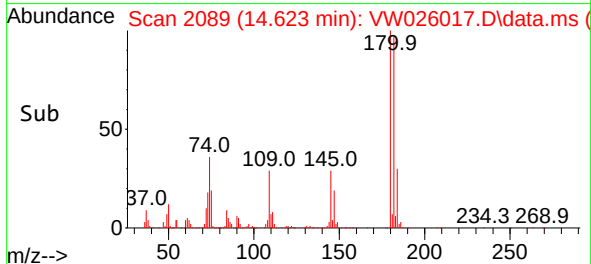
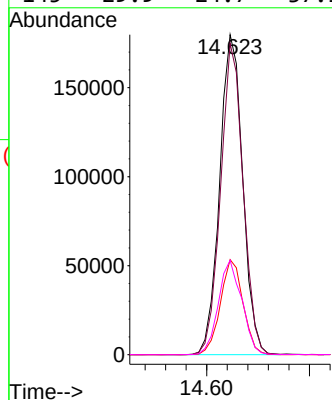
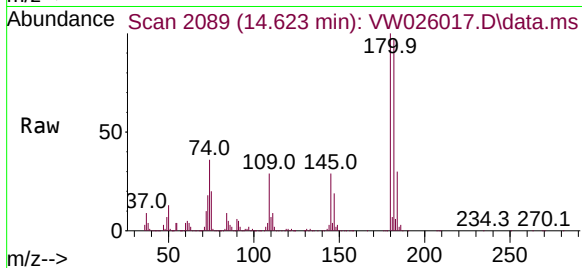
Ion Ratio Lower Upper

180 100

182 94.8 77.4 116.0

184 29.2 24.7 37.1

145 29.9 24.7 37.1



#70

1,2,4-trichlorobenzene

Concen: 22.241 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW026017.D

Acq: 22 May 2023 08:19

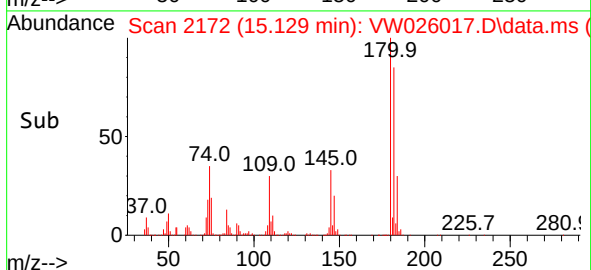
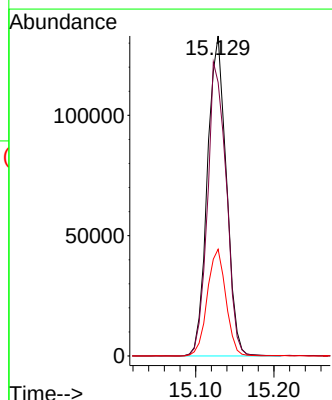
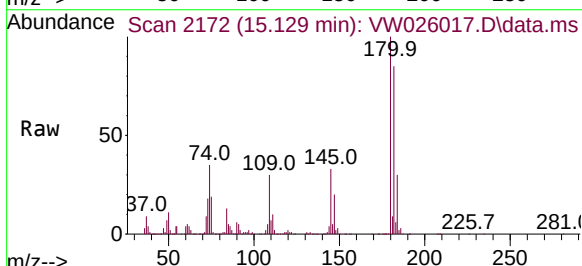
Tgt Ion:180 Resp: 223225

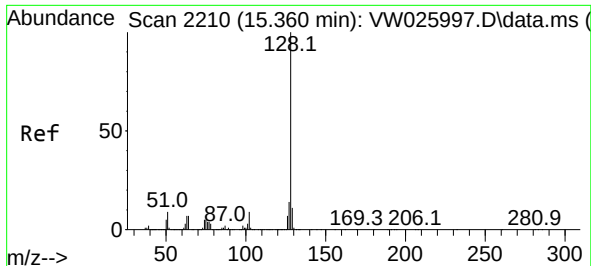
Ion Ratio Lower Upper

180 100

182 91.1 74.3 111.5

145 32.7 25.4 38.0

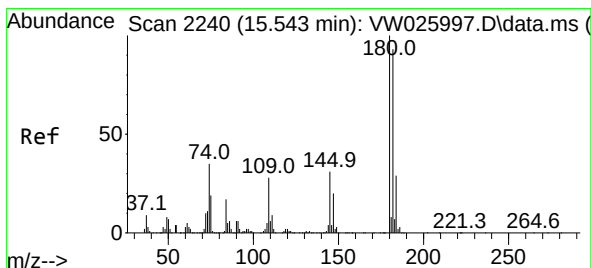
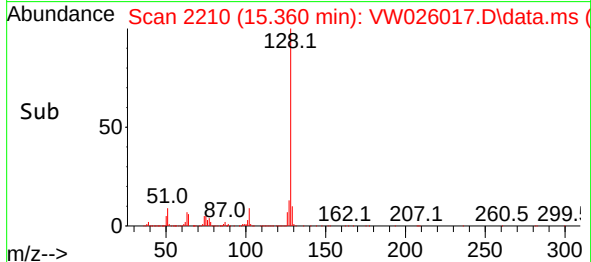
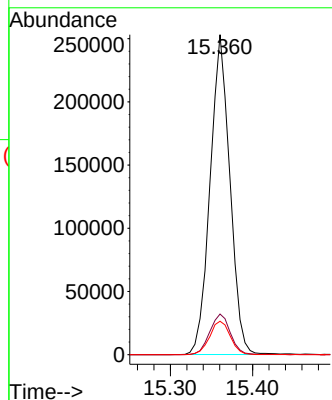
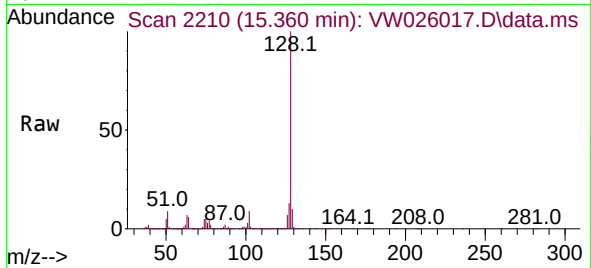




#71  
Naphthalene  
Concen: 22.362 ug/L  
RT: 15.360 min Scan# 2110  
Delta R.T. -0.000 min  
Lab File: VW026017.D  
Acq: 22 May 2023 08:19

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025495

Tgt Ion:128 Resp: 423618  
Ion Ratio Lower Upper  
128 100  
127 13.2 10.5 15.7  
129 10.9 8.5 12.7



#72  
1,2,3-Trichlorobenzene  
Concen: 22.545 ug/L  
RT: 15.549 min Scan# 2241  
Delta R.T. 0.006 min  
Lab File: VW026017.D  
Acq: 22 May 2023 08:19

Tgt Ion:180 Resp: 200776  
Ion Ratio Lower Upper  
180 100  
182 97.6 76.1 114.1  
145 34.5 28.0 42.0

