

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX041023\  
 Data File : VX034989.D  
 Acq On : 10 Apr 2023 11:35  
 Operator : JC/MD  
 Sample : VSTD20030  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD200630

Quant Time: Apr 11 05:17:36 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML041023WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Apr 11 05:14:58 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Difluorobenzene        | 6.763  | 114  | 508641   | 50.000  | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 10.055 | 117  | 455062   | 50.000  | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024 | 152  | 235854   | 50.000  | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 4) Vinyl Chloride-d3          | 1.368  | 65   | 669924   | 197.743 | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 1.666  | 69   | 453354   | 182.700 | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.306  | 63   | 1366837  | 199.031 | ug/L  | 0.00     |
| 21) 2-Butanone-d5             | 4.458  | 46   | 938700   | 416.890 | ug/L  | 0.00     |
| 24) Chloroform-d              | 5.056  | 84   | 1302789  | 201.793 | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.958  | 65   | 857622   | 193.515 | ug/L  | 0.00     |
| 32) Benzene-d6                | 5.976  | 84   | 2493931  | 196.321 | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 7.305  | 67   | 785996   | 201.131 | ug/L  | 0.00     |
| 41) Toluene-d8                | 8.647  | 98   | 2286699  | 196.273 | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 8.952  | 79   | 410956   | 228.999 | ug/L  | 0.00     |
| 47) 2-Hexanone-d5             | 9.384  | 63   | 683499   | 437.600 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 11.189 | 84   | 989794   | 203.811 | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 12.323 | 152  | 858410   | 198.345 | ug/L  | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.166  | 85   | 858577   | 194.361 | ug/L  | 99       |
| 3) Chloromethane              | 1.294  | 50   | 801048   | 192.924 | ug/L  | 100      |
| 5) Vinyl chloride             | 1.374  | 62   | 811163   | 192.754 | ug/L  | 97       |
| 6) Bromomethane               | 1.617  | 94   | 442049   | 185.892 | ug/L  | 97       |
| 8) Chloroethane               | 1.691  | 64   | 424989   | 179.460 | ug/L  | 98       |
| 9) Trichlorofluoromethane     | 1.886  | 101  | 1132688  | 193.458 | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.331  | 101  | 702853   | 193.451 | ug/L  | 99       |
| 12) 1,1-Dichloroethene        | 2.319  | 96   | 645567   | 199.576 | ug/L  | 87       |
| 13) Acetone                   | 2.386  | 43   | 802122   | 360.316 | ug/L  | 100      |
| 14) Carbon disulfide          | 2.514  | 76   | 1781384  | 204.915 | ug/L  | 100      |
| 15) Methyl Acetate            | 2.703  | 43   | 754696   | 197.505 | ug/L  | 100      |
| 16) Methylene chloride        | 2.788  | 84   | 689155   | 194.251 | ug/L  | 99       |
| 17) trans-1,2-Dichloroethene  | 3.093  | 96   | 660377   | 198.589 | ug/L  | 99       |
| 18) Methyl tert-butyl Ether   | 3.111  | 73   | 2313526  | 199.035 | ug/L  | 99       |
| 19) 1,1-Dichloroethane        | 3.611  | 63   | 1307802  | 197.494 | ug/L  | 99       |
| 20) cis-1,2-Dichloroethene    | 4.489  | 96   | 760834   | 199.997 | ug/L  | 97       |
| 22) 2-Butanone                | 4.556  | 43   | 1120245  | 393.901 | ug/L  | 97       |
| 23) Bromochloromethane        | 4.903  | 128  | 374755   | 199.147 | ug/L  | 96       |
| 25) Chloroform                | 5.092  | 83   | 1335865  | 196.701 | ug/L  | 99       |
| 27) 1,2-Dichloroethane        | 6.086  | 62   | 1128934  | 196.285 | ug/L  | 99       |
| 29) Cyclohexane               | 5.470  | 56   | 1234747  | 197.324 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 5.385  | 97   | 1209780  | 201.044 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.678  | 117  | 1071353  | 206.548 | ug/L  | 100      |
| 33) Benzene                   | 6.037  | 78   | 2790334  | 192.272 | ug/L  | 100      |
| 34) Trichloroethene           | 7.123  | 95   | 767707   | 196.209 | ug/L  | 99       |
| 35) Methylcyclohexane         | 7.379  | 83   | 1120647  | 198.669 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 7.427  | 63   | 750062   | 195.051 | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.818  | 83   | 1010833  | 207.759 | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 8.366  | 75   | 1264545  | 215.168 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 8.574  | 43   | 2060054  | 403.160 | ug/L  | 99       |
| 42) Toluene                   | 8.720  | 91   | 2927437  | 194.768 | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 8.976  | 75   | 1206179  | 222.930 | ug/L  | 98       |

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 Sample : VSTD20030  
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 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD200630

Quant Time: Apr 11 05:17:36 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML041023WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Apr 11 05:14:58 2023  
 Response via : Initial Calibration

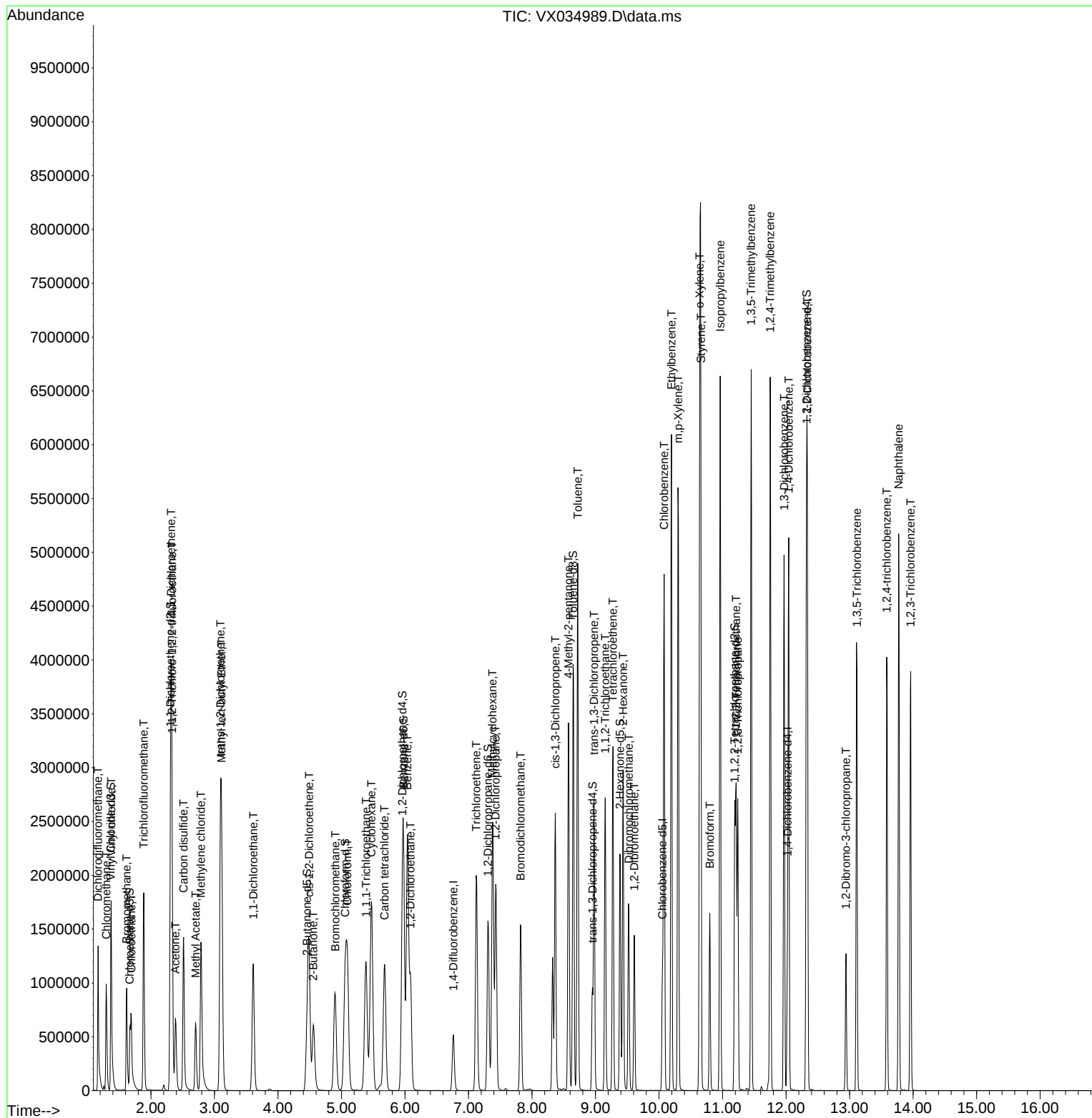
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 45) 1,1,2-Trichloroethane     | 9.153  | 97   | 705601   | 196.770 | ug/L  | 99       |
| 46) Tetrachloroethene         | 9.275  | 164  | 575784   | 197.532 | ug/L  | 98       |
| 48) 2-Hexanone                | 9.433  | 43   | 1592843  | 397.688 | ug/L  | 99       |
| 49) Dibromochloromethane      | 9.525  | 129  | 763790   | 216.546 | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 9.610  | 107  | 764999   | 203.289 | ug/L  | 100      |
| 51) Chlorobenzene             | 10.079 | 112  | 1912494  | 197.413 | ug/L  | 99       |
| 52) Ethylbenzene              | 10.195 | 91   | 3301255  | 193.540 | ug/L  | 96       |
| 53) m,p-Xylene                | 10.299 | 106  | 1301159  | 202.459 | ug/L  | 95       |
| 54) o-Xylene                  | 10.640 | 106  | 1275024  | 201.354 | ug/L  | 96       |
| 55) Styrene                   | 10.659 | 104  | 2165281  | 203.952 | ug/L  | 94       |
| 57) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 1058572  | 198.807 | ug/L  | 100      |
| 59) Bromoform                 | 10.799 | 173  | 558858   | 222.247 | ug/L  | 99       |
| 60) Isopropylbenzene          | 10.963 | 105  | 3242876  | 188.277 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 11.238 | 75   | 845563   | 186.973 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 2768202  | 193.839 | ug/L  | 97       |
| 63) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 2754817  | 195.364 | ug/L  | 97       |
| 64) 1,3-Dichlorobenzene       | 11.969 | 146  | 1499260  | 195.401 | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 12.042 | 146  | 1511509  | 194.836 | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 12.335 | 146  | 1449381  | 191.747 | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.945 | 75   | 246894   | 213.302 | ug/L  | 87       |
| 69) 1,3,5-Trichlorobenzene    | 13.115 | 180  | 955618   | 199.108 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.585 | 180  | 893348   | 200.105 | ug/L  | 98       |
| 71) Naphthalene               | 13.774 | 128  | 3043003  | 199.467 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 875416   | 195.279 | ug/L  | 100      |

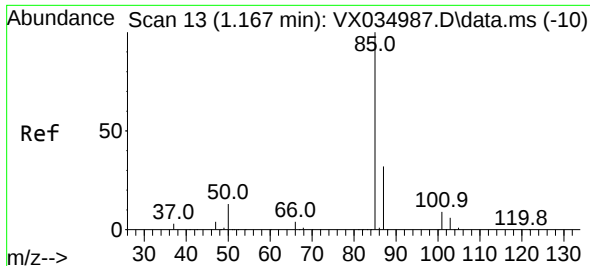
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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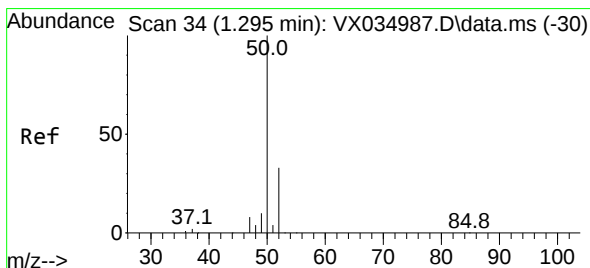
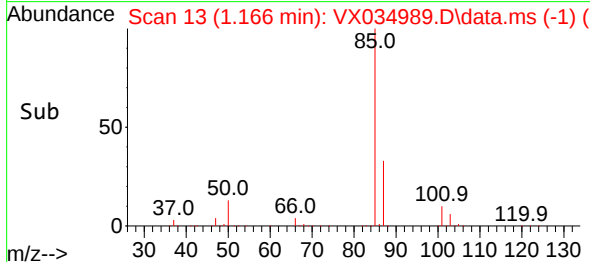
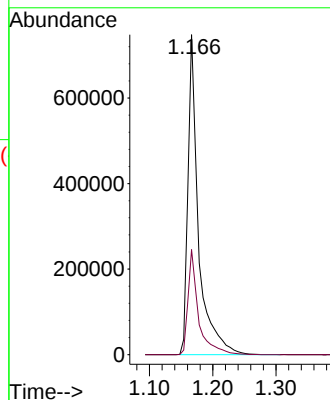
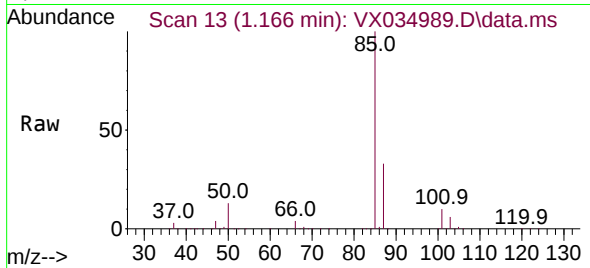




#2  
 Dichlorodifluoromethane  
 Concen: 194.361 ug/L  
 RT: 1.166 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VX034989.D  
 Acq: 10 Apr 2023 11:35

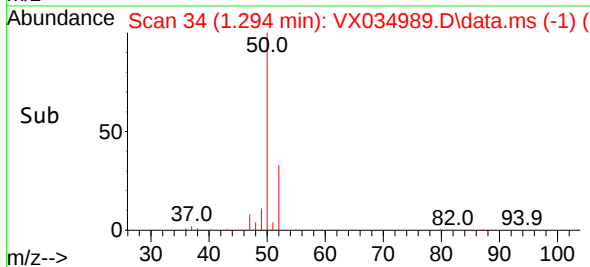
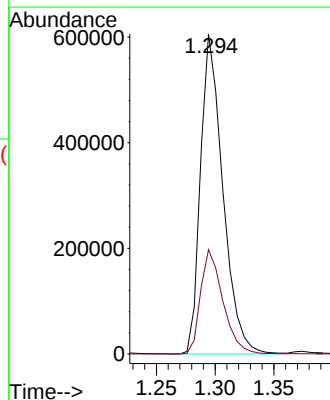
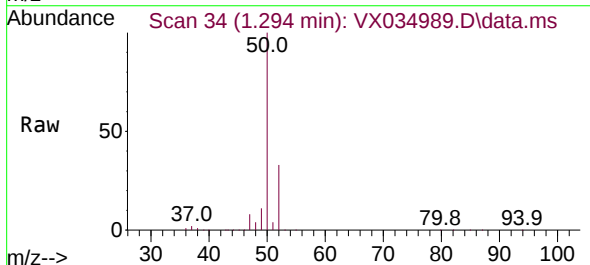
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD200630

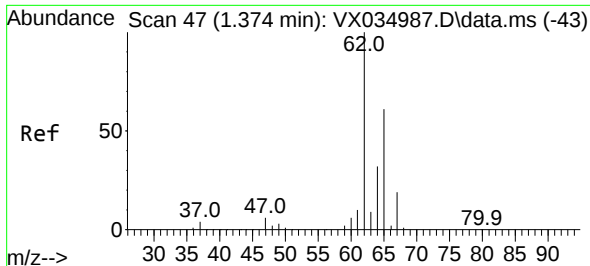
Tgt Ion: 85 Resp: 858577  
 Ion Ratio Lower Upper  
 85 100  
 87 32.6 25.7 38.5



#3  
 Chloromethane  
 Concen: 192.924 ug/L  
 RT: 1.294 min Scan# 34  
 Delta R.T. -0.000 min  
 Lab File: VX034989.D  
 Acq: 10 Apr 2023 11:35

Tgt Ion: 50 Resp: 801048  
 Ion Ratio Lower Upper  
 50 100  
 52 32.6 22.9 42.5

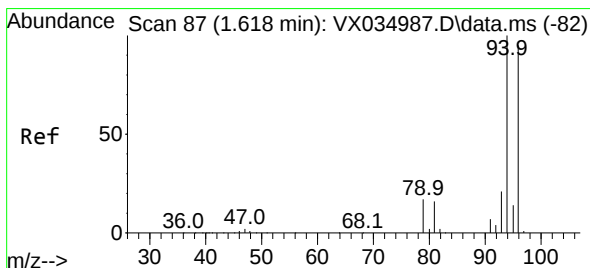
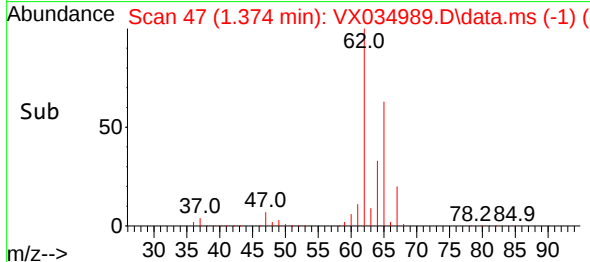
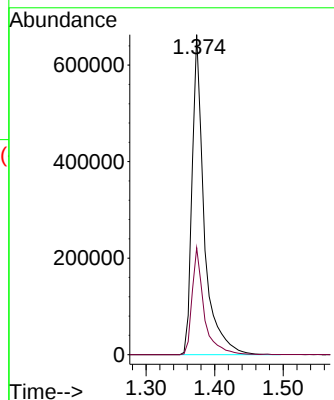
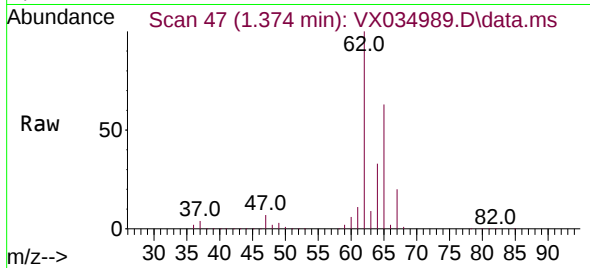




#5  
 Vinyl chloride  
 Concen: 192.754 ug/L  
 RT: 1.374 min Scan# 41  
 Delta R.T. -0.000 min  
 Lab File: VX034989.D  
 Acq: 10 Apr 2023 11:35

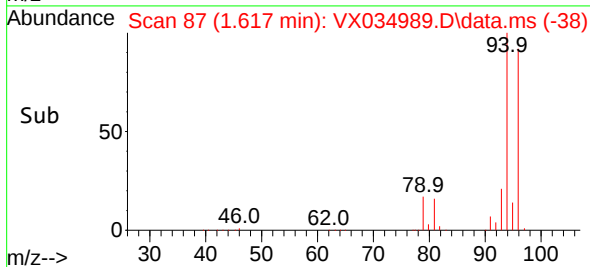
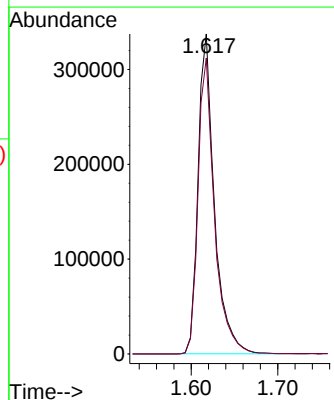
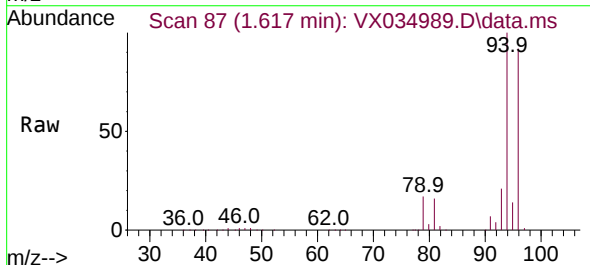
Instrument :  
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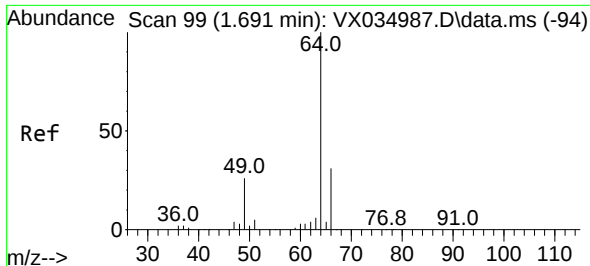
Tgt Ion: 62 Resp: 811163  
 Ion Ratio Lower Upper  
 62 100  
 64 33.4 22.3 41.3



#6  
 Bromomethane  
 Concen: 185.892 ug/L  
 RT: 1.617 min Scan# 87  
 Delta R.T. -0.000 min  
 Lab File: VX034989.D  
 Acq: 10 Apr 2023 11:35

Tgt Ion: 94 Resp: 442049  
 Ion Ratio Lower Upper  
 94 100  
 96 92.5 66.6 123.6

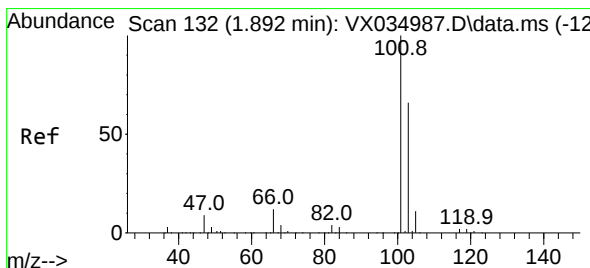
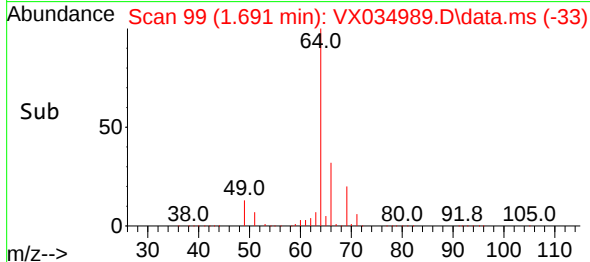
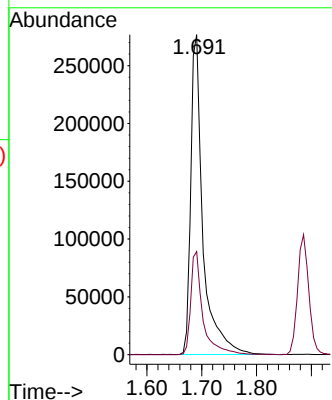
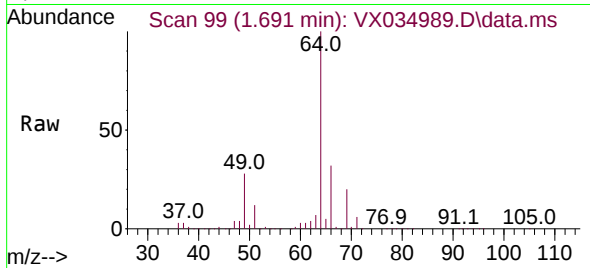




#8  
Chloroethane  
Concen: 179.460 ug/L  
RT: 1.691 min Scan# 99  
Delta R.T. -0.000 min  
Lab File: VX034989.D  
Acq: 10 Apr 2023 11:35

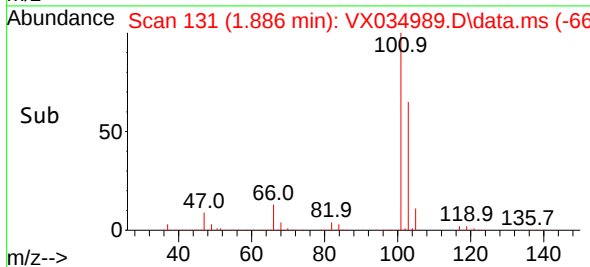
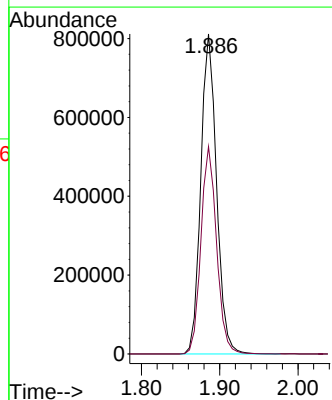
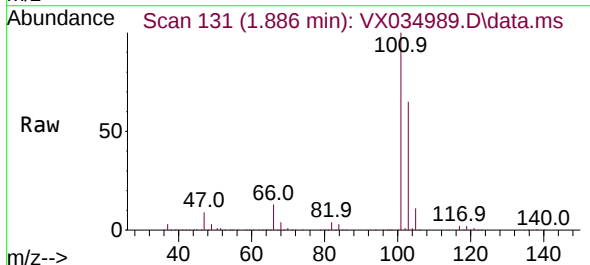
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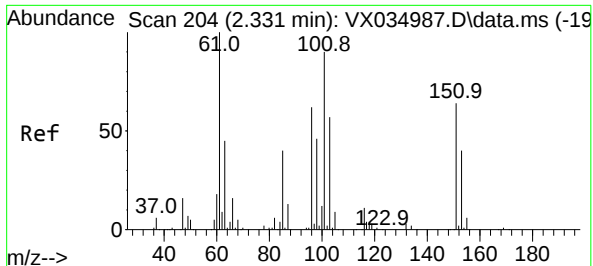
Tgt Ion: 64 Resp: 424989  
Ion Ratio Lower Upper  
64 100  
66 32.2 21.8 40.4



#9  
Trichlorofluoromethane  
Concen: 193.458 ug/L  
RT: 1.886 min Scan# 131  
Delta R.T. -0.006 min  
Lab File: VX034989.D  
Acq: 10 Apr 2023 11:35

Tgt Ion:101 Resp: 1132688  
Ion Ratio Lower Upper  
101 100  
103 64.4 51.9 77.9





#10

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

Concen: 193.451 ug/L

RT: 2.331 min Scan# 204

Delta R.T. -0.000 min

Lab File: VX034989.D

Acq: 10 Apr 2023 11:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTD200630

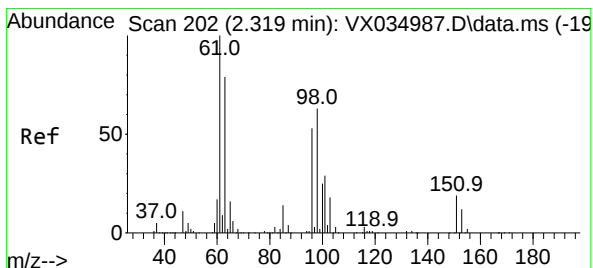
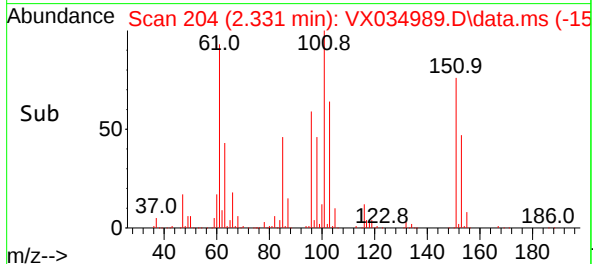
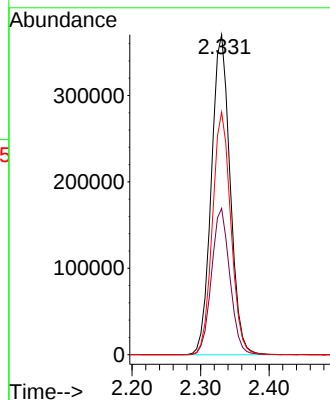
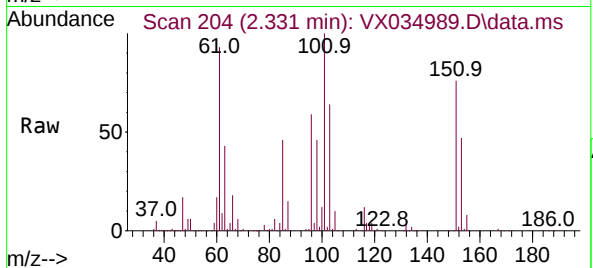
Tgt Ion:101 Resp: 702853

Ion Ratio Lower Upper

101 100

85 44.7 36.4 54.6

151 74.4 59.7 89.5



#12

1,1-Dichloroethene

Concen: 199.576 ug/L

RT: 2.319 min Scan# 202

Delta R.T. -0.000 min

Lab File: VX034989.D

Acq: 10 Apr 2023 11:35

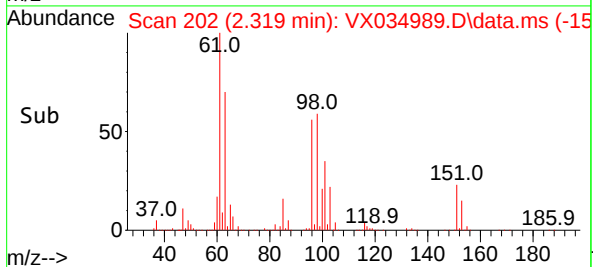
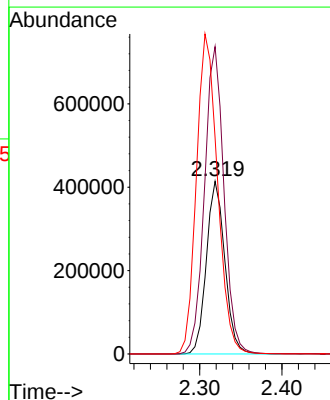
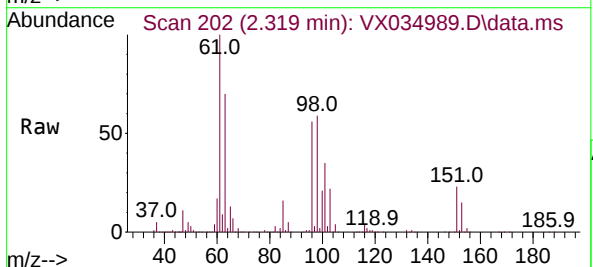
Tgt Ion: 96 Resp: 645567

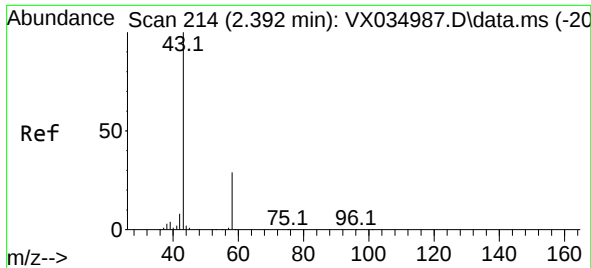
Ion Ratio Lower Upper

96 100

61 178.0 132.4 245.8

63 125.2 105.5 195.9

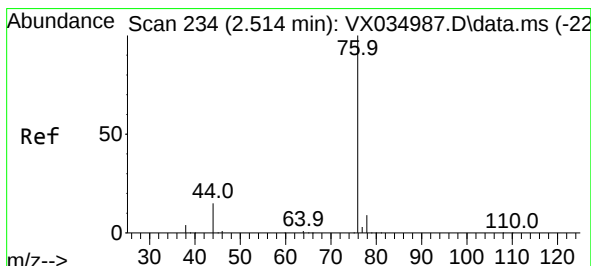
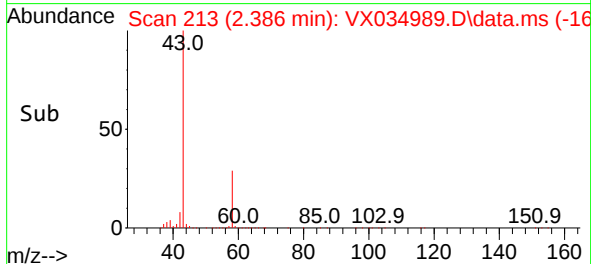
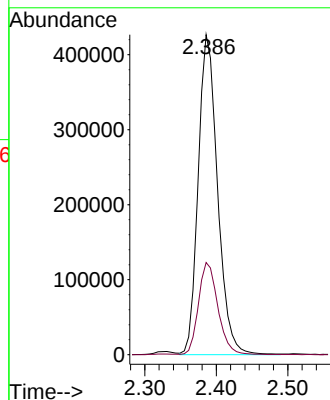
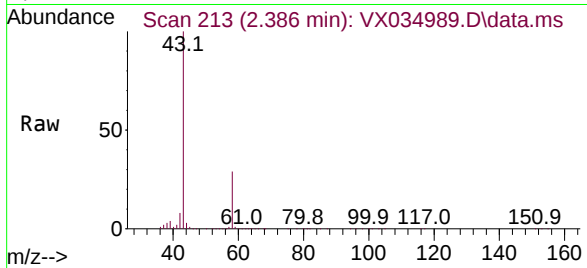




#13  
Acetone  
Concen: 360.316 ug/L  
RT: 2.386 min Scan# 214  
Delta R.T. -0.006 min  
Lab File: VX034989.D  
Acq: 10 Apr 2023 11:35

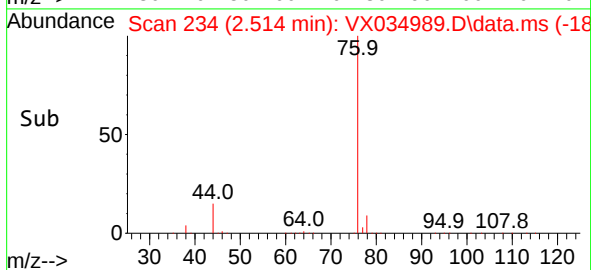
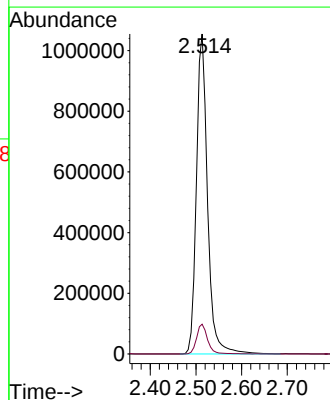
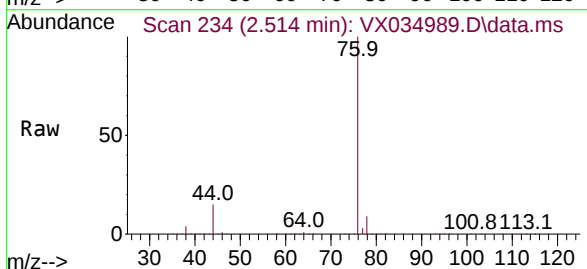
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTD200630

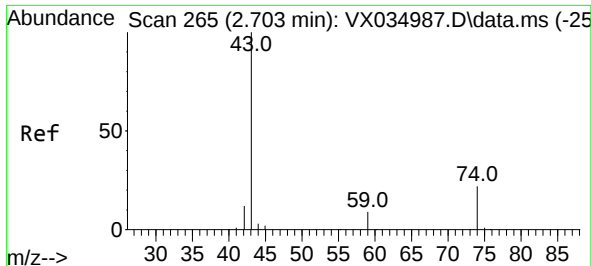
Tgt Ion: 43 Resp: 802122  
Ion Ratio Lower Upper  
43 100  
58 28.9 0.0 57.4



#14  
Carbon disulfide  
Concen: 204.915 ug/L  
RT: 2.514 min Scan# 234  
Delta R.T. -0.000 min  
Lab File: VX034989.D  
Acq: 10 Apr 2023 11:35

Tgt Ion: 76 Resp: 1781384  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.4 11.2

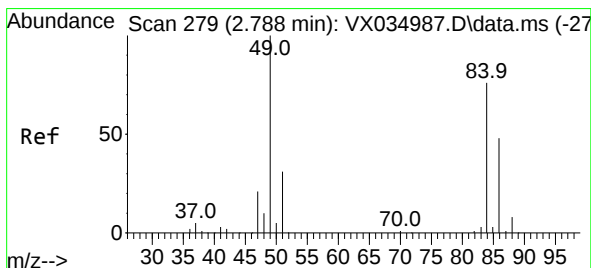
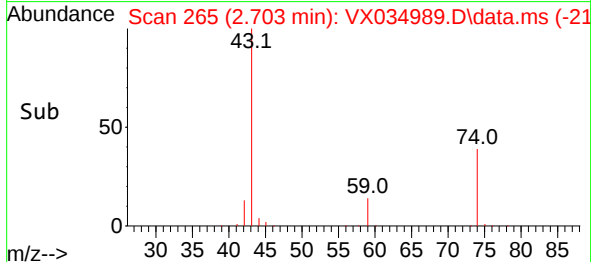
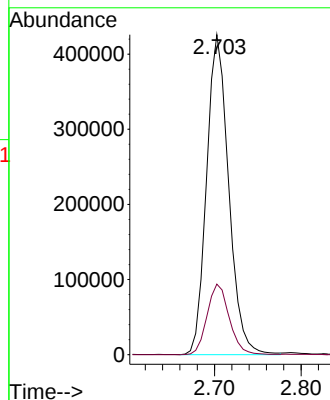
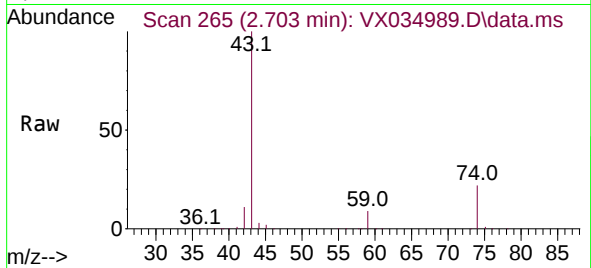




#15  
Methyl Acetate  
Concen: 197.505 ug/L  
RT: 2.703 min Scan# 265  
Delta R.T. -0.000 min  
Lab File: VX034989.D  
Acq: 10 Apr 2023 11:35

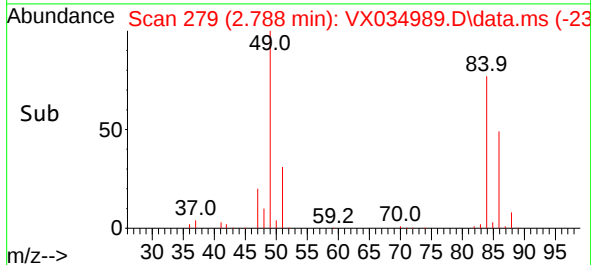
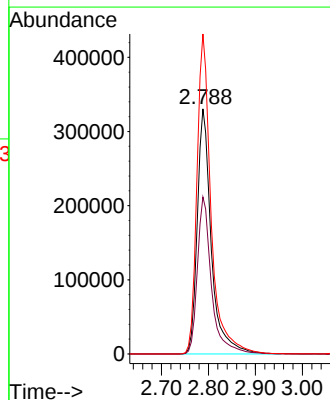
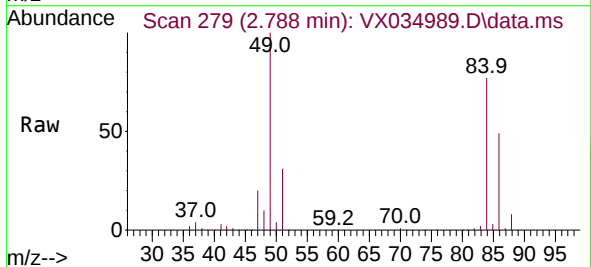
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTD200630

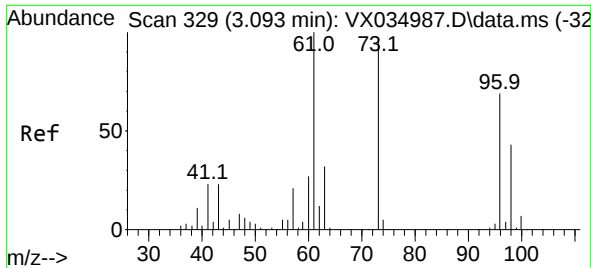
Tgt Ion: 43 Resp: 754696  
Ion Ratio Lower Upper  
43 100  
74 22.1 17.5 26.3



#16  
Methylene chloride  
Concen: 194.251 ug/L  
RT: 2.788 min Scan# 279  
Delta R.T. -0.000 min  
Lab File: VX034989.D  
Acq: 10 Apr 2023 11:35

Tgt Ion: 84 Resp: 689155  
Ion Ratio Lower Upper  
84 100  
86 64.0 44.7 82.9  
49 130.5 92.3 171.5

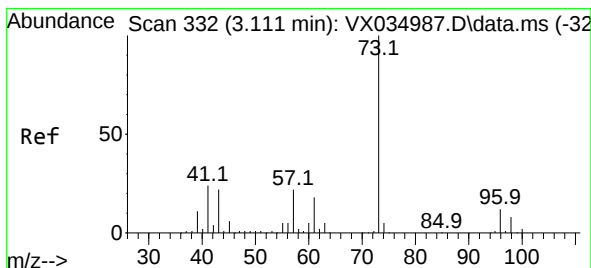
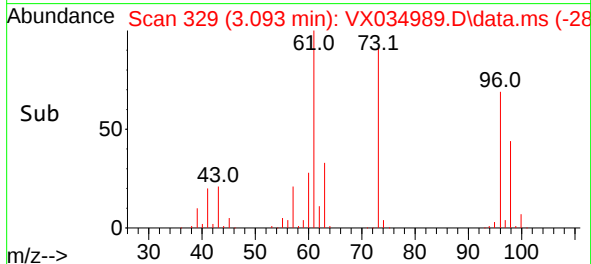
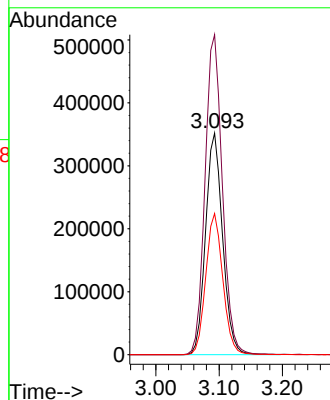
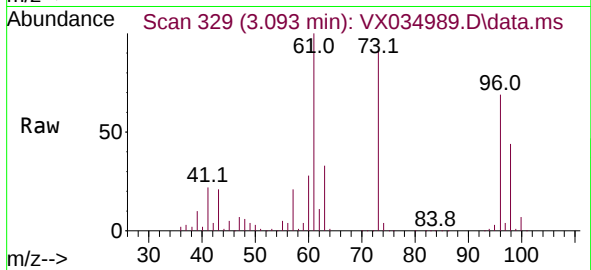




#17  
trans-1,2-Dichloroethene  
Concen: 198.589 ug/L  
RT: 3.093 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VX034989.D  
Acq: 10 Apr 2023 11:35

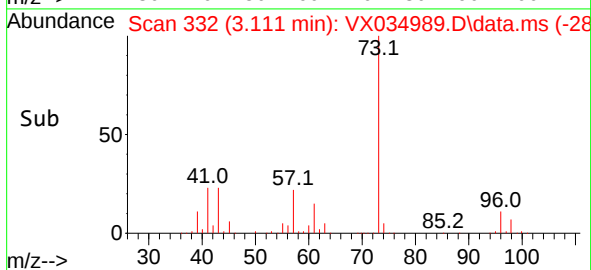
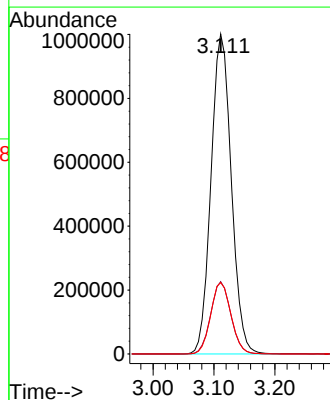
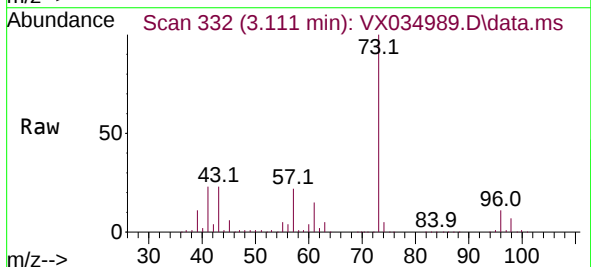
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTD200630

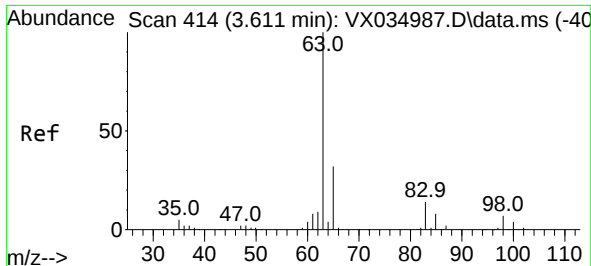
Tgt Ion: 96 Resp: 660377  
Ion Ratio Lower Upper  
96 100  
61 144.4 102.0 189.4  
98 63.7 44.2 82.0



#18  
Methyl tert-butyl Ether  
Concen: 199.035 ug/L  
RT: 3.111 min Scan# 332  
Delta R.T. -0.000 min  
Lab File: VX034989.D  
Acq: 10 Apr 2023 11:35

Tgt Ion: 73 Resp: 2313526  
Ion Ratio Lower Upper  
73 100  
43 22.4 18.2 27.2  
57 22.3 17.7 26.5





#19

1,1-Dichloroethane

Concen: 197.494 ug/L

RT: 3.611 min Scan# 414

Delta R.T. -0.000 min

Lab File: VX034989.D

Acq: 10 Apr 2023 11:35

Instrument :

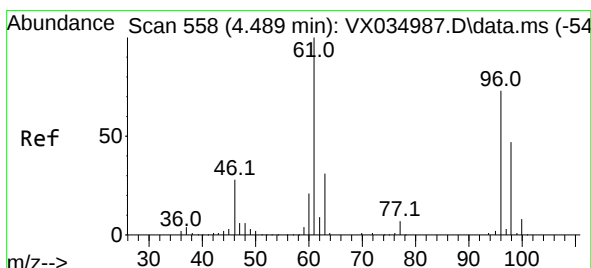
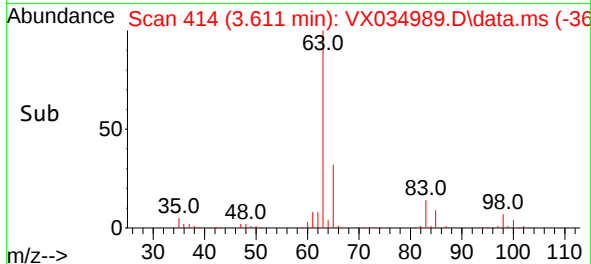
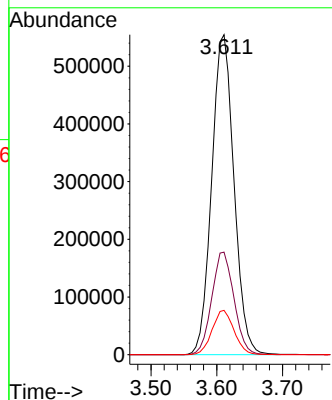
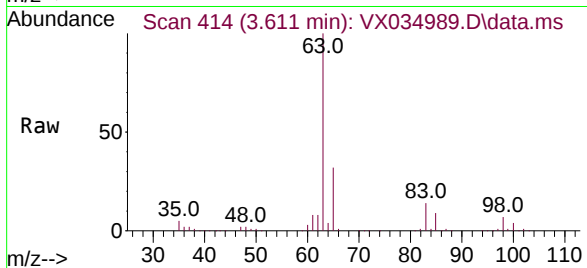
MSVOA\_X

ClientSampleId :

VSTD200630

Tgt Ion: 63 Resp: 1307802

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 65  | 32.0  | 22.1  | 41.1  |
| 83  | 13.8  | 9.7   | 17.9  |



#20

cis-1,2-Dichloroethene

Concen: 199.997 ug/L

RT: 4.489 min Scan# 558

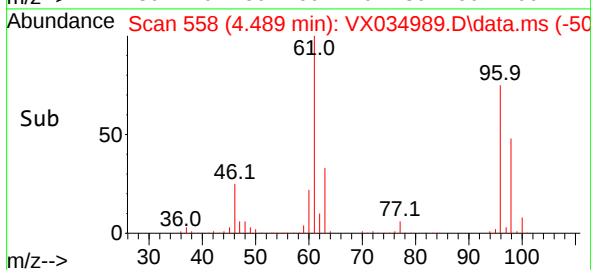
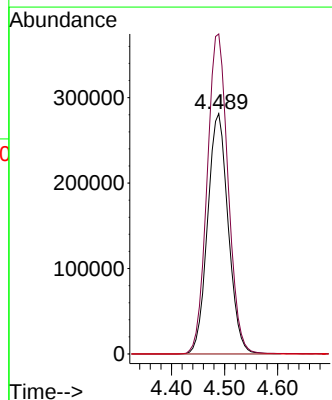
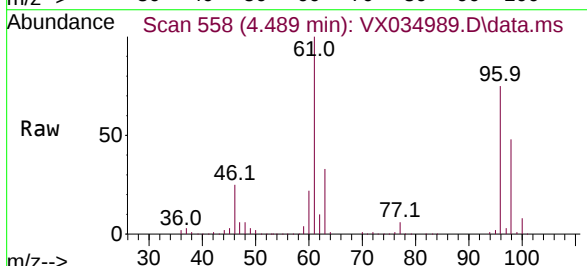
Delta R.T. -0.000 min

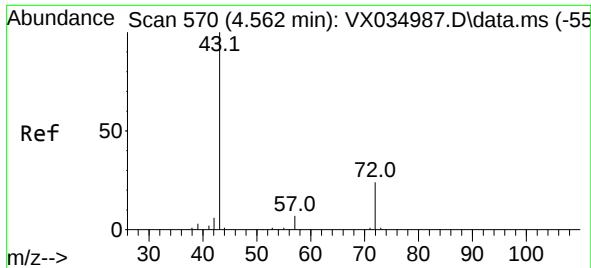
Lab File: VX034989.D

Acq: 10 Apr 2023 11:35

Tgt Ion: 96 Resp: 760834

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 133.1 | 95.7  | 177.7 |
| 68  | 0.0   | 0.0   | 0.0   |

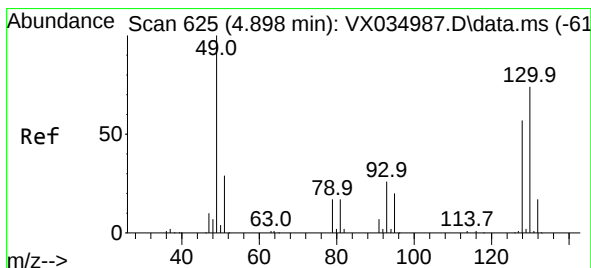
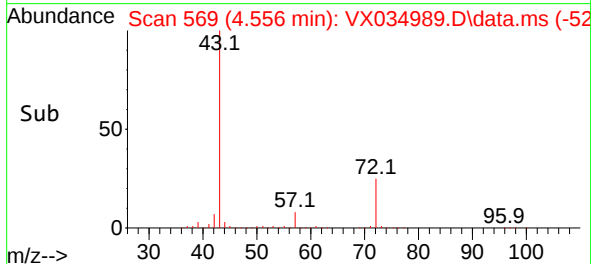
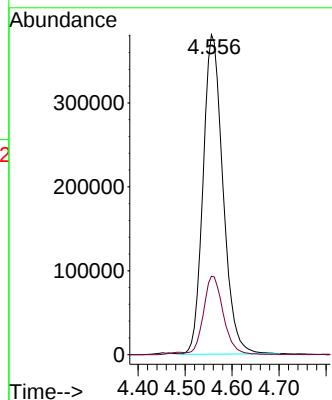
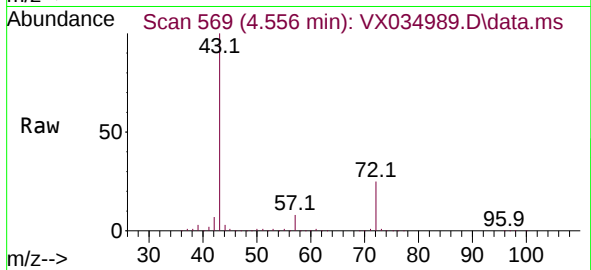




#22  
2-Butanone  
Concen: 393.901 ug/L  
RT: 4.556 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VX034989.D  
Acq: 10 Apr 2023 11:35

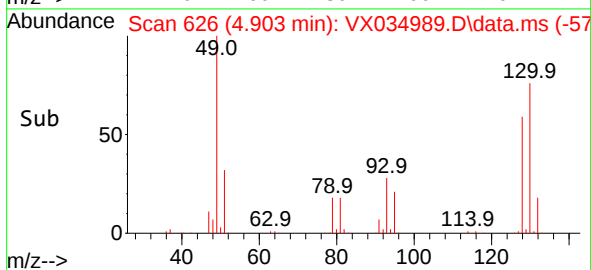
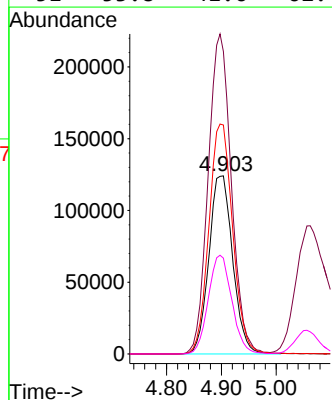
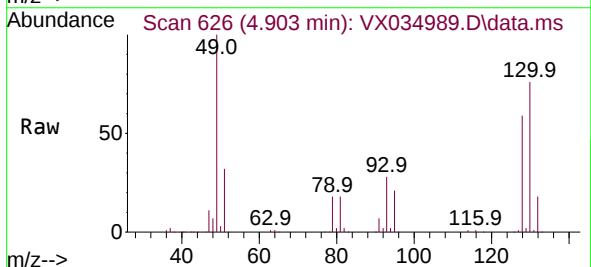
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTD200630

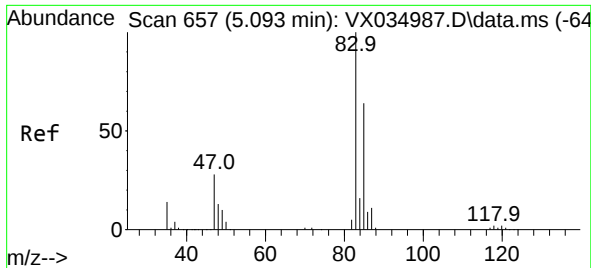
Tgt Ion: 43 Resp: 1120245  
Ion Ratio Lower Upper  
43 100  
72 24.4 11.5 34.5



#23  
Bromochloromethane  
Concen: 199.147 ug/L  
RT: 4.903 min Scan# 626  
Delta R.T. 0.006 min  
Lab File: VX034989.D  
Acq: 10 Apr 2023 11:35

Tgt Ion: 128 Resp: 374755  
Ion Ratio Lower Upper  
128 100  
49 169.8 123.9 230.1  
130 128.5 92.1 171.1  
51 53.8 41.6 62.4

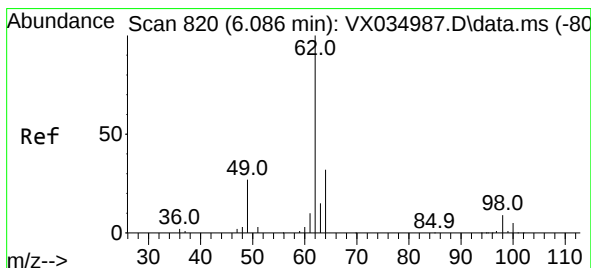
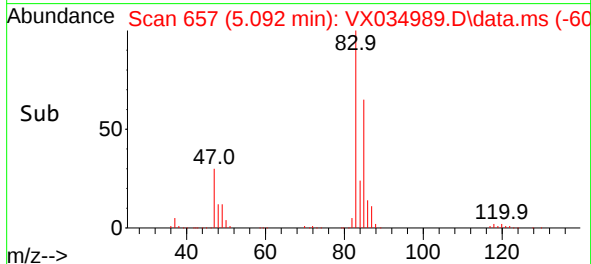
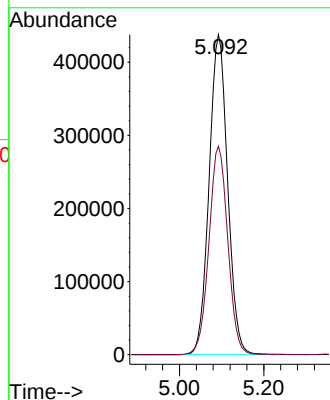
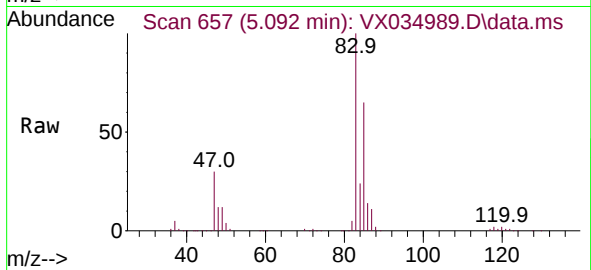




#25  
Chloroform  
Concen: 196.701 ug/L  
RT: 5.092 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VX034989.D  
Acq: 10 Apr 2023 11:35

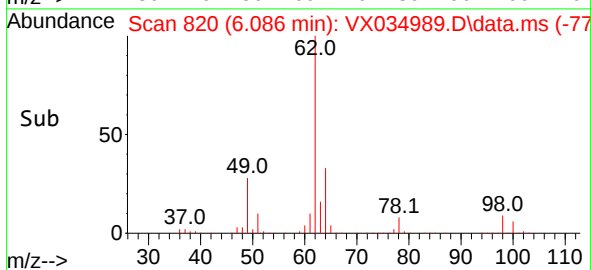
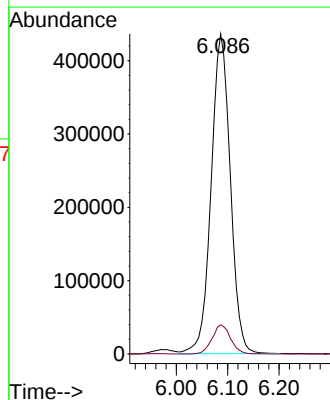
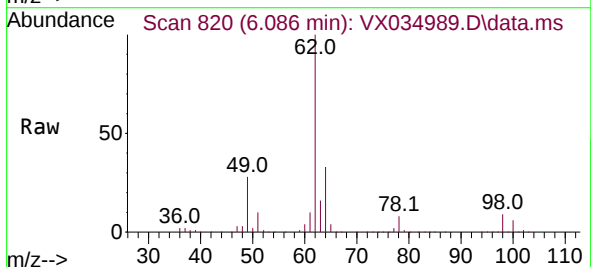
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTD200630

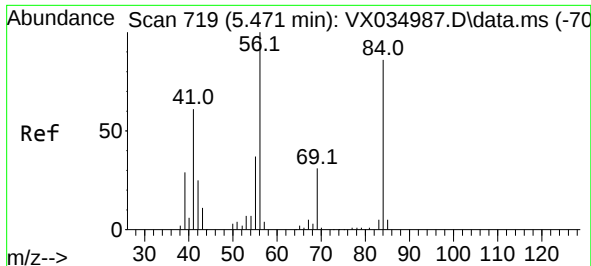
Tgt Ion: 83 Resp: 1335865  
Ion Ratio Lower Upper  
83 100  
85 65.2 45.1 83.9



#27  
1,2-Dichloroethane  
Concen: 196.285 ug/L  
RT: 6.086 min Scan# 820  
Delta R.T. -0.000 min  
Lab File: VX034989.D  
Acq: 10 Apr 2023 11:35

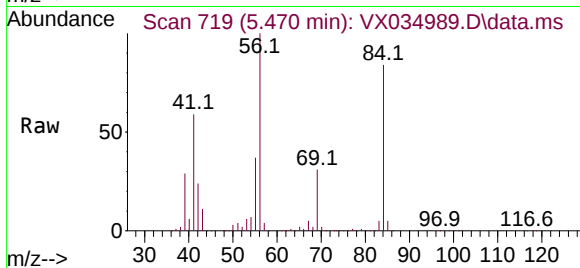
Tgt Ion: 62 Resp: 1128934  
Ion Ratio Lower Upper  
62 100  
98 9.1 7.0 10.6





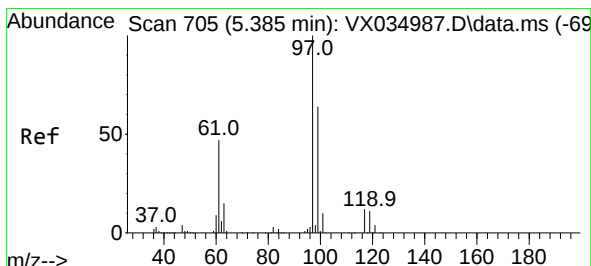
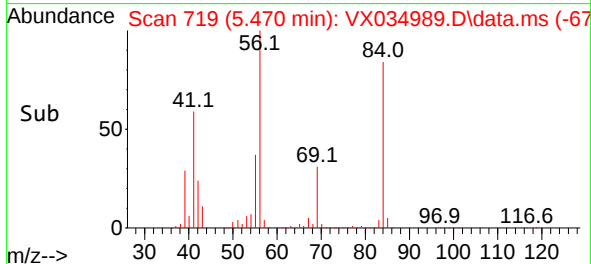
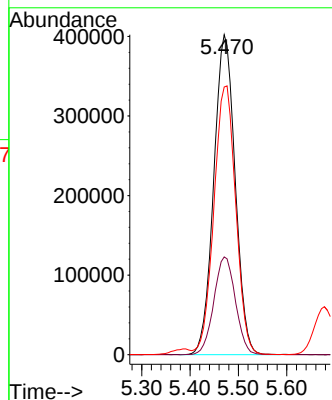
#29  
Cyclohexane  
Concen: 197.324 ug/L  
RT: 5.470 min Scan# 719  
Delta R.T. -0.000 min  
Lab File: VX034989.D  
Acq: 10 Apr 2023 11:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTD200630



Tgt Ion: 56 Resp: 1234747

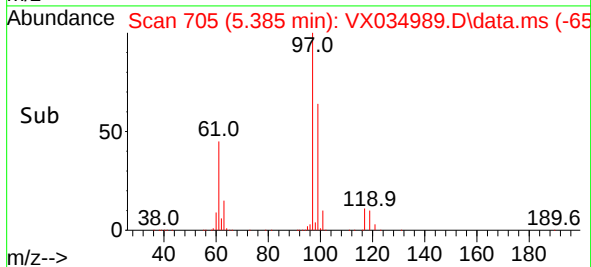
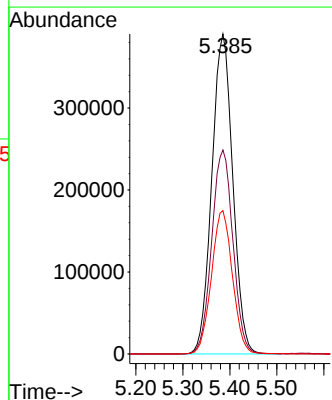
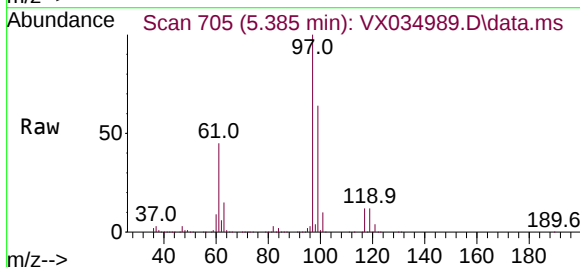
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 30.9  | 24.5  | 36.7  |
| 84  | 85.7  | 69.4  | 104.2 |

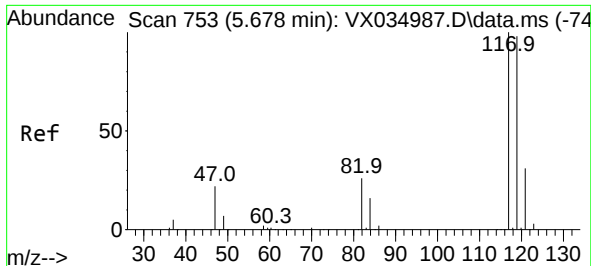


#30  
1,1,1-Trichloroethane  
Concen: 201.044 ug/L  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX034989.D  
Acq: 10 Apr 2023 11:35

Tgt Ion: 97 Resp: 1209780

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 64.6  | 51.0  | 76.4  |
| 61  | 45.0  | 36.8  | 55.2  |

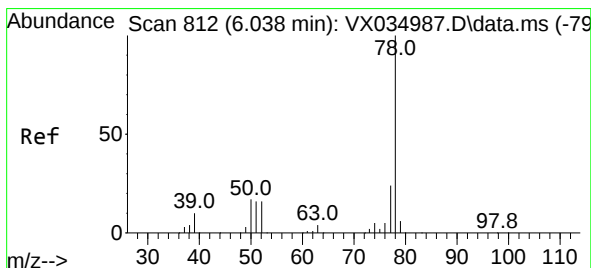
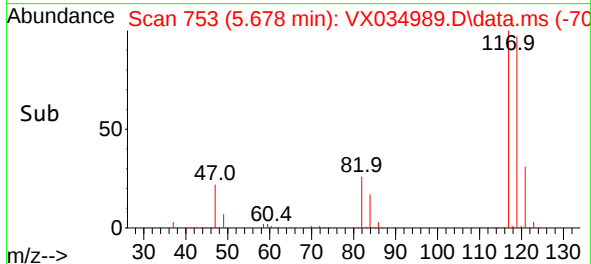
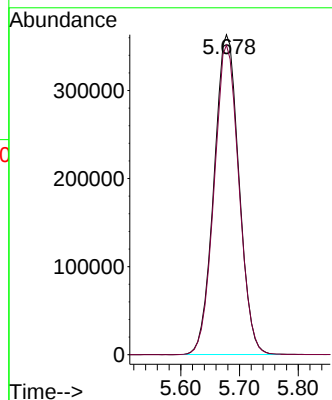
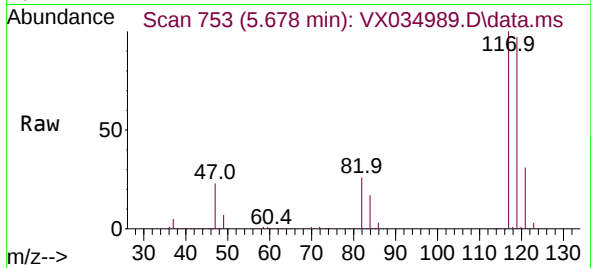




#31  
Carbon tetrachloride  
Concen: 206.548 ug/L  
RT: 5.678 min Scan# 753  
Delta R.T. -0.000 min  
Lab File: VX034989.D  
Acq: 10 Apr 2023 11:35

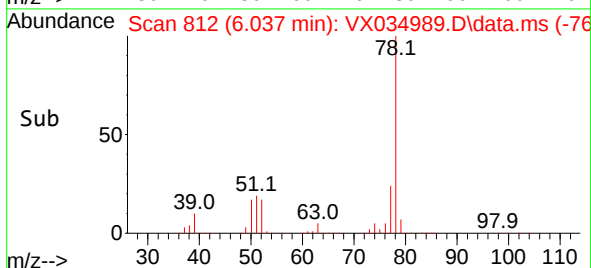
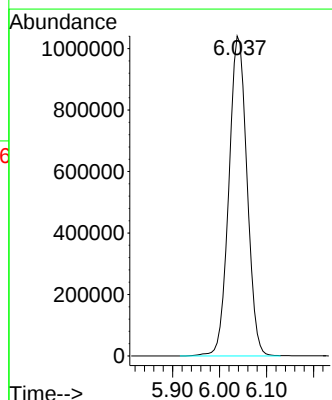
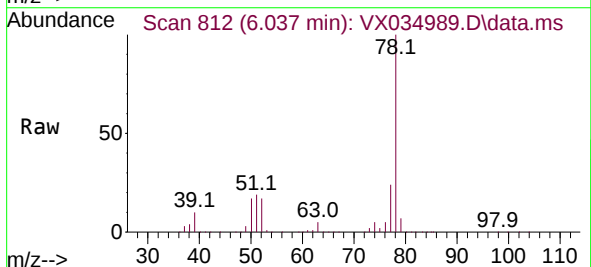
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTD200630

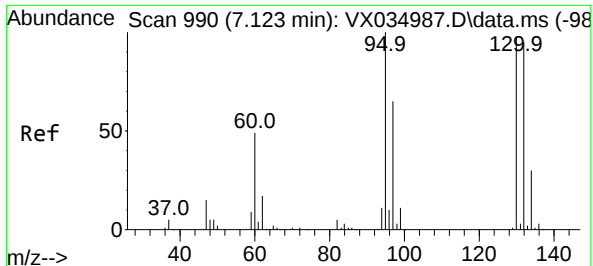
Tgt Ion:117 Resp: 1071353  
Ion Ratio Lower Upper  
117 100  
119 96.2 76.7 115.1



#33  
Benzene  
Concen: 192.272 ug/L  
RT: 6.037 min Scan# 812  
Delta R.T. -0.000 min  
Lab File: VX034989.D  
Acq: 10 Apr 2023 11:35

Tgt Ion: 78 Resp: 2790334

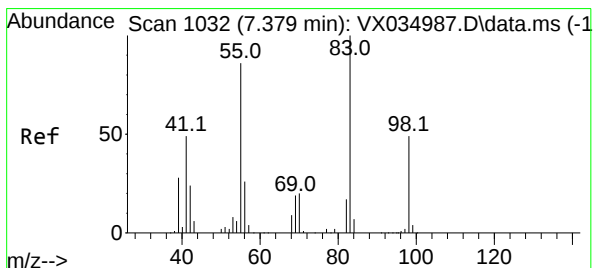
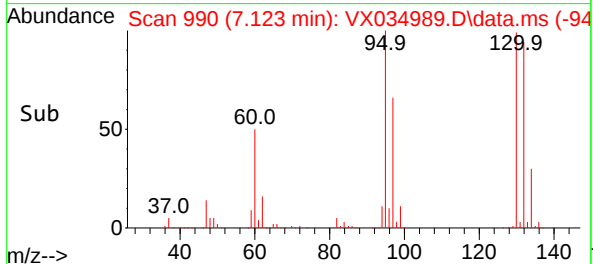
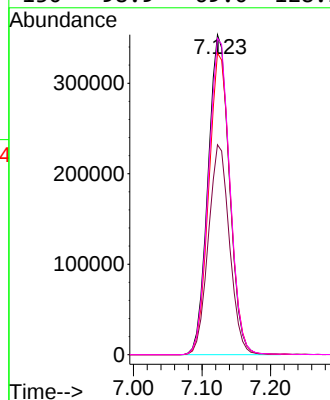
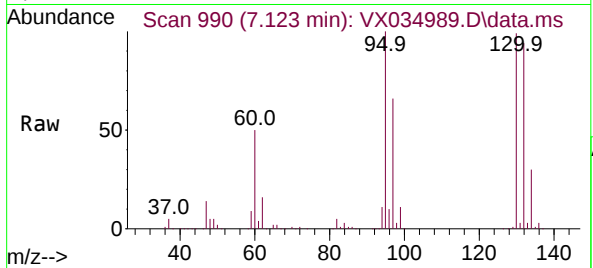




#34  
Trichloroethene  
Concen: 196.209 ug/L  
RT: 7.123 min Scan# 990  
Delta R.T. -0.000 min  
Lab File: VX034989.D  
Acq: 10 Apr 2023 11:35

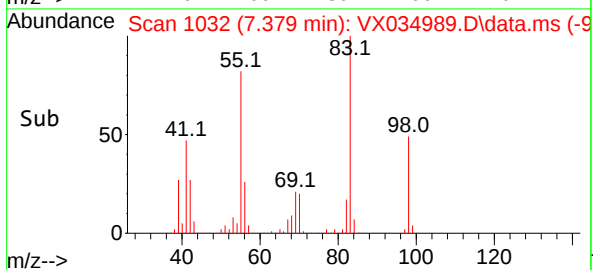
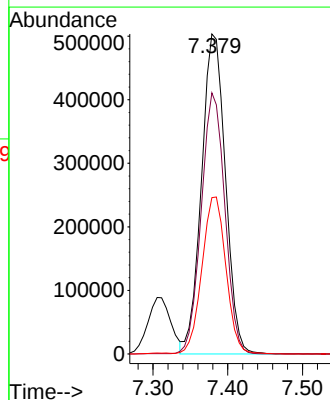
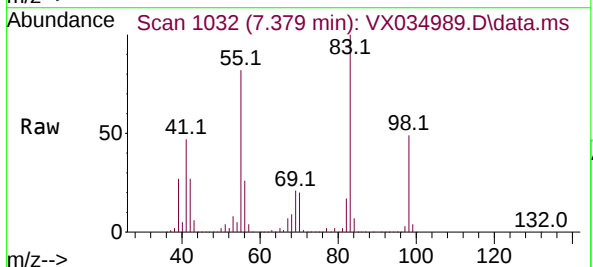
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTD200630

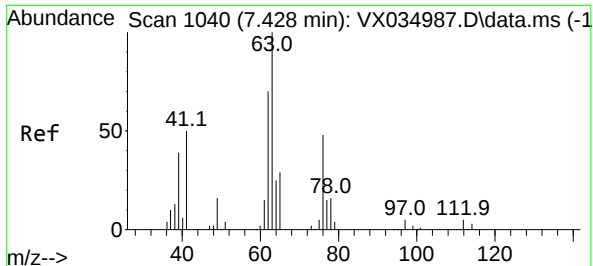
Tgt Ion: 95 Resp: 767707  
Ion Ratio Lower Upper  
95 100  
97 65.6 45.4 84.2  
132 94.3 66.8 124.0  
130 98.9 69.0 128.1



#35  
Methylcyclohexane  
Concen: 198.669 ug/L  
RT: 7.379 min Scan# 1032  
Delta R.T. -0.000 min  
Lab File: VX034989.D  
Acq: 10 Apr 2023 11:35

Tgt Ion: 83 Resp: 1120647  
Ion Ratio Lower Upper  
83 100  
55 80.3 65.0 97.6  
98 49.2 38.7 58.1





#37

1,2-Dichloropropane

Concen: 195.051 ug/L

RT: 7.427 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX034989.D

Acq: 10 Apr 2023 11:35

Instrument :

MSVOA\_X

ClientSampleId :

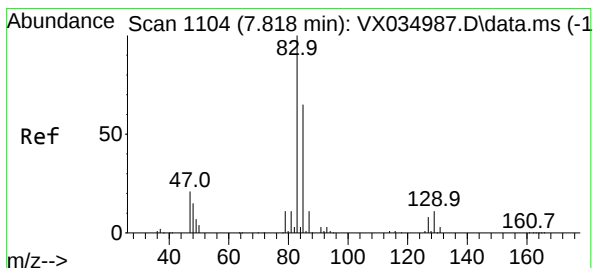
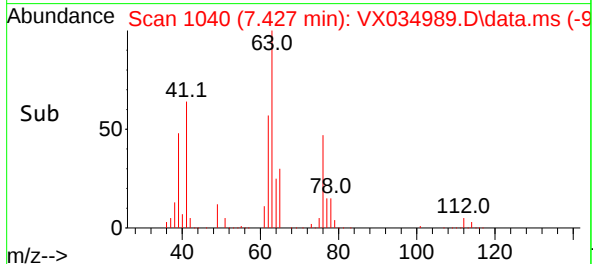
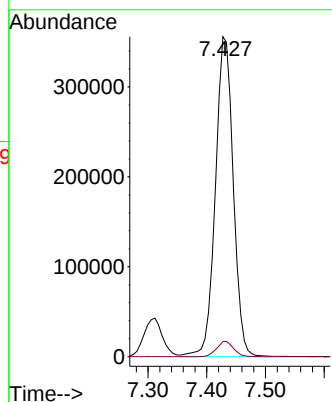
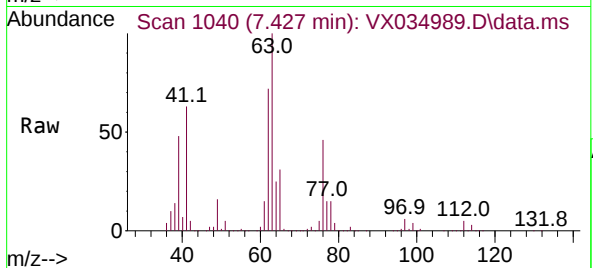
VSTD200630

Tgt Ion: 63 Resp: 750062

Ion Ratio Lower Upper

63 100

112 4.5 3.6 5.4



#38

Bromodichloromethane

Concen: 207.759 ug/L

RT: 7.818 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX034989.D

Acq: 10 Apr 2023 11:35

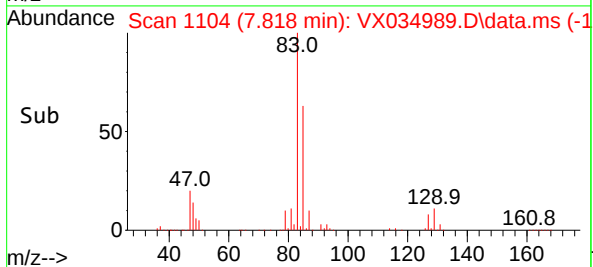
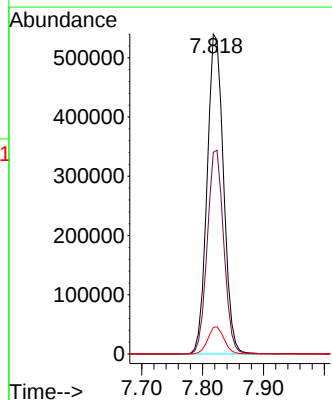
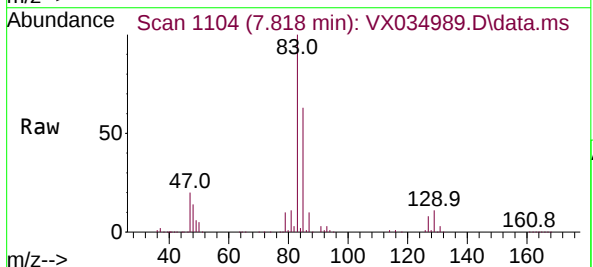
Tgt Ion: 83 Resp: 1010833

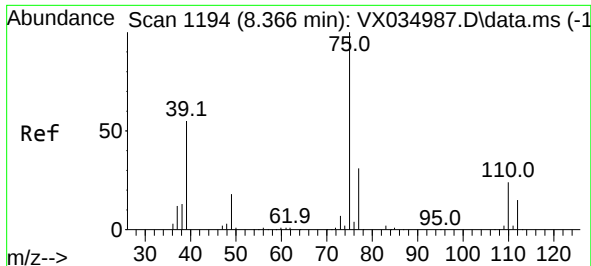
Ion Ratio Lower Upper

83 100

85 63.0 45.6 84.6

127 8.3 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 215.168 ug/L

RT: 8.366 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX034989.D

Acq: 10 Apr 2023 11:35

Instrument :

MSVOA\_X

ClientSampleId :

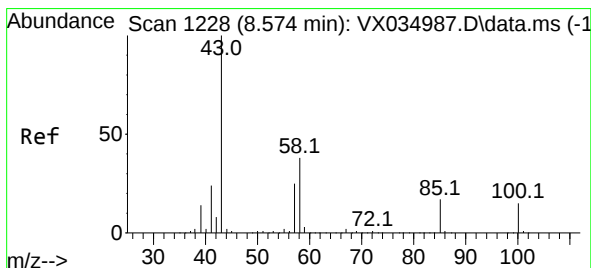
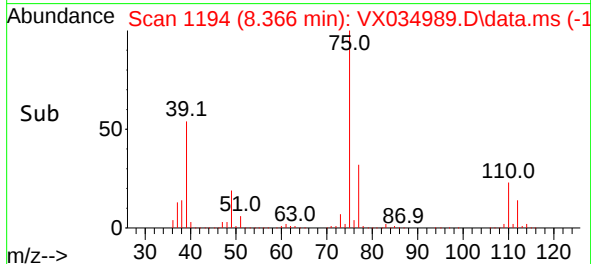
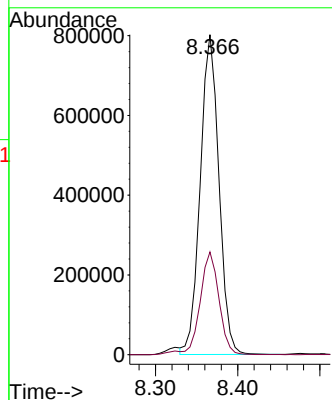
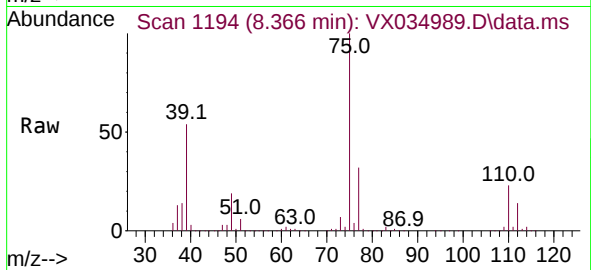
VSTD200630

Tgt Ion: 75 Resp: 1264545

Ion Ratio Lower Upper

75 100

77 32.1 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 403.160 ug/L

RT: 8.574 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX034989.D

Acq: 10 Apr 2023 11:35

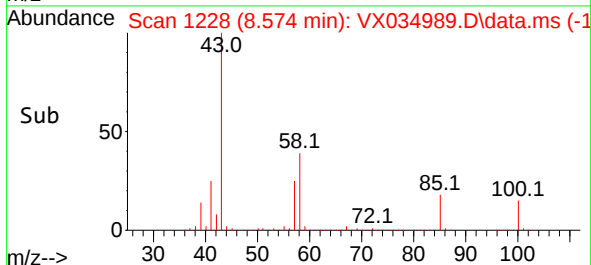
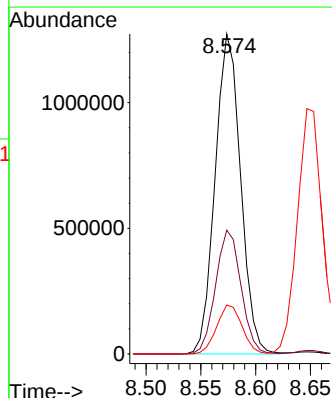
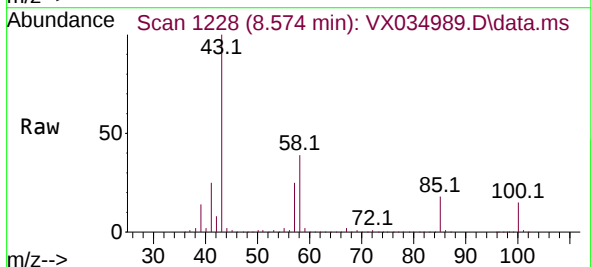
Tgt Ion: 43 Resp: 2060054

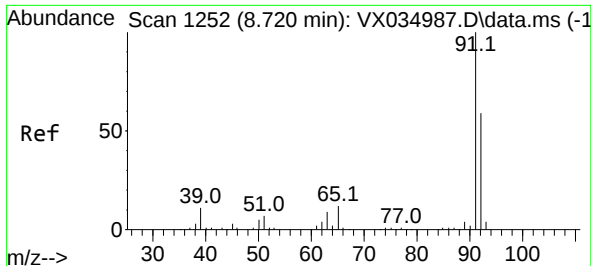
Ion Ratio Lower Upper

43 100

58 38.6 30.1 45.1

100 15.3 11.9 17.9





#42

Toluene

Concen: 194.768 ug/L

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX034989.D

Acq: 10 Apr 2023 11:35

Instrument :

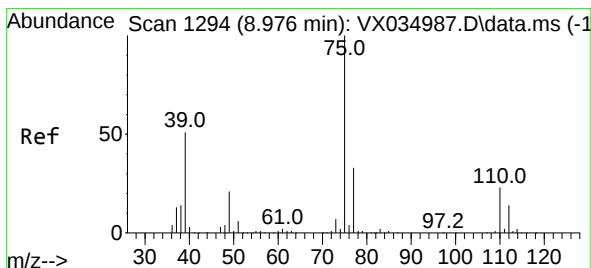
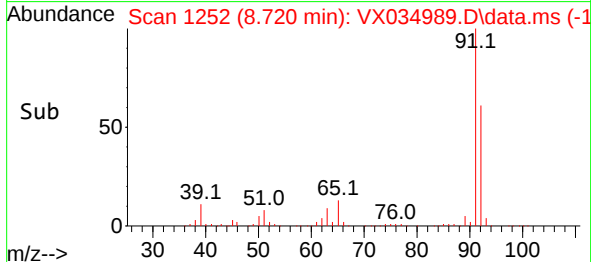
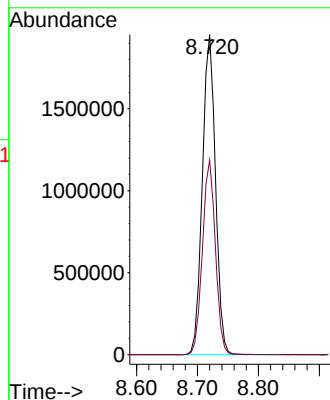
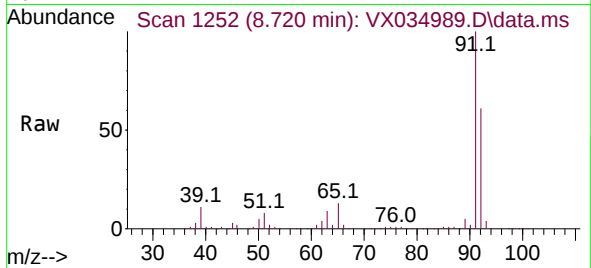
MSVOA\_X

ClientSampleId :

VSTD200630

Tgt Ion: 91 Resp: 2927437

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 92  | 60.8  | 41.4  | 76.8  |



#44

trans-1,3-Dichloropropene

Concen: 222.930 ug/L

RT: 8.976 min Scan# 1294

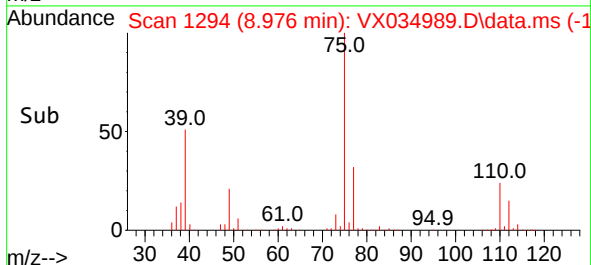
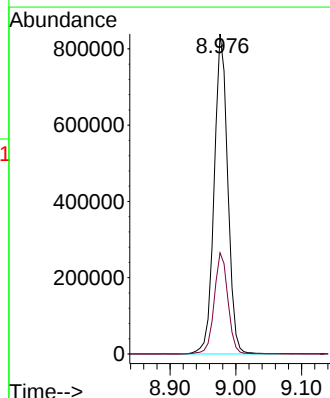
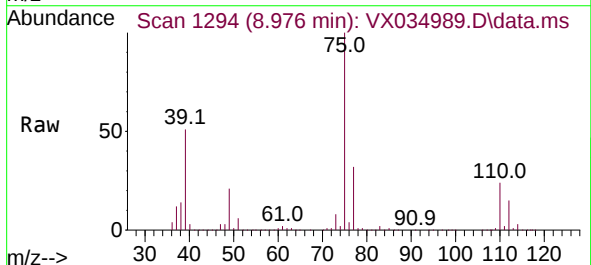
Delta R.T. -0.000 min

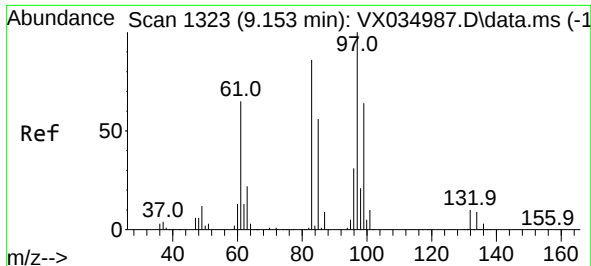
Lab File: VX034989.D

Acq: 10 Apr 2023 11:35

Tgt Ion: 75 Resp: 1206179

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 31.6  | 22.9  | 42.5  |





#45

1,1,2-Trichloroethane

Concen: 196.770 ug/L

RT: 9.153 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX034989.D

Acq: 10 Apr 2023 11:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTD200630

Tgt Ion: 97 Resp: 705601

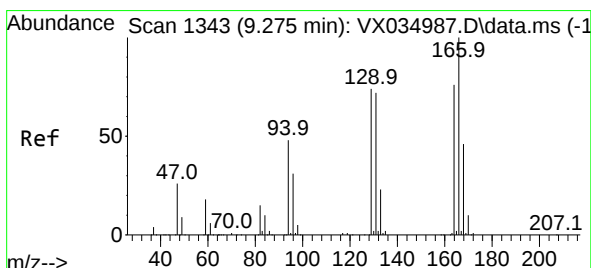
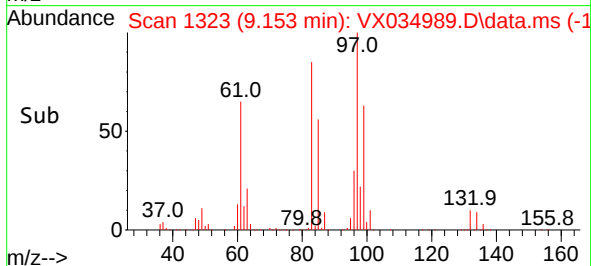
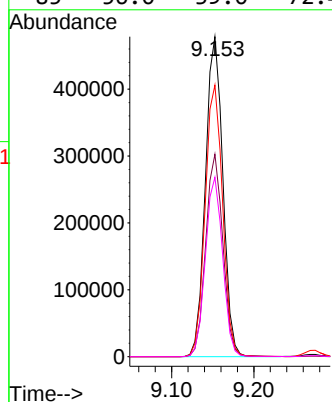
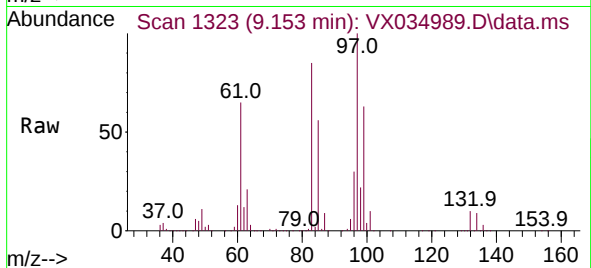
Ion Ratio Lower Upper

97 100

99 63.2 44.8 83.2

83 84.9 60.5 112.3

85 56.0 39.0 72.4



#46

Tetrachloroethene

Concen: 197.532 ug/L

RT: 9.275 min Scan# 1343

Delta R.T. -0.000 min

Lab File: VX034989.D

Acq: 10 Apr 2023 11:35

Tgt Ion:164 Resp: 575784

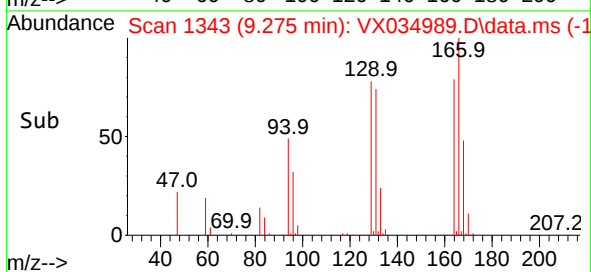
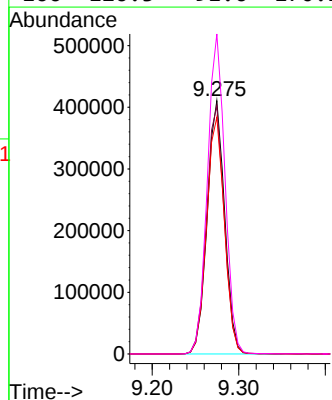
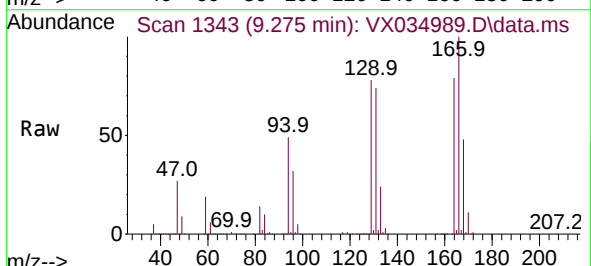
Ion Ratio Lower Upper

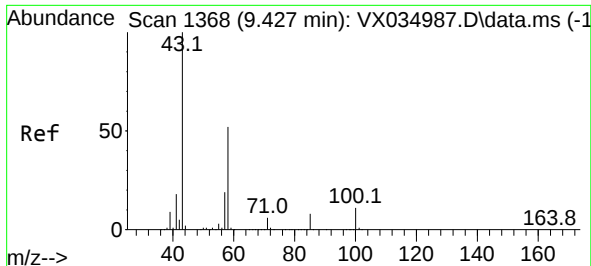
164 100

129 98.0 67.7 125.7

131 93.5 65.8 122.2

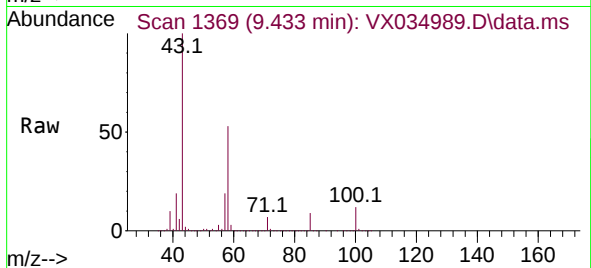
166 126.3 91.6 170.2





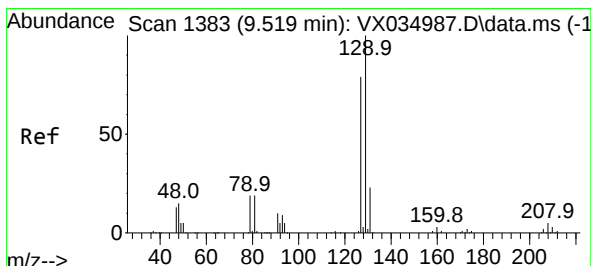
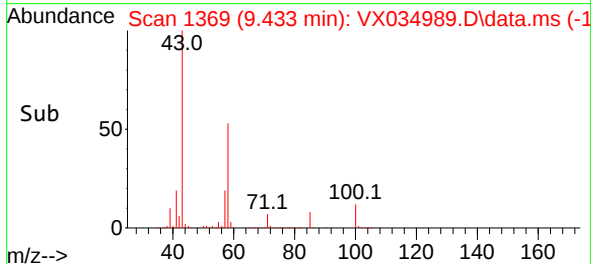
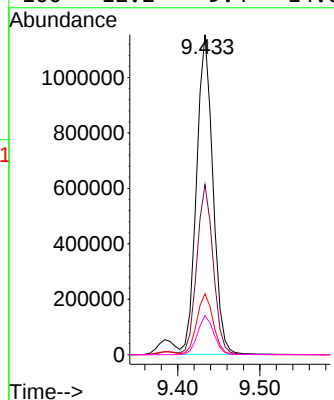
#48  
2-Hexanone  
Concen: 397.688 ug/L  
RT: 9.433 min Scan# 1369  
Delta R.T. 0.006 min  
Lab File: VX034989.D  
Acq: 10 Apr 2023 11:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTD200630



Tgt Ion: 43 Resp: 1592843

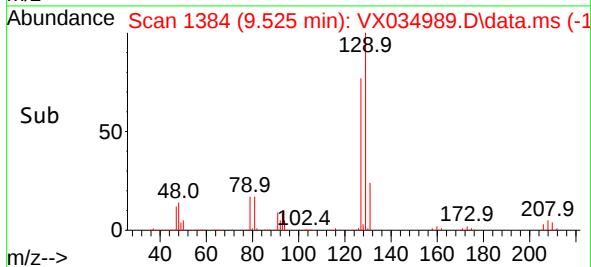
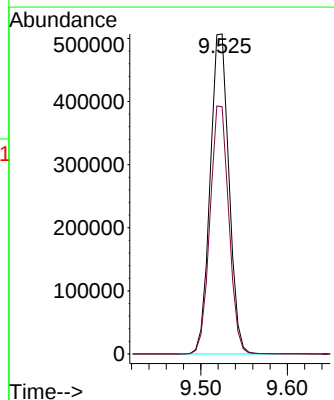
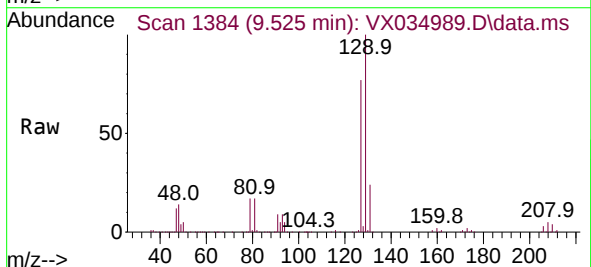
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 53.3  | 42.1  | 63.1  |
| 57  | 19.1  | 15.0  | 22.6  |
| 100 | 12.2  | 9.4   | 14.0  |

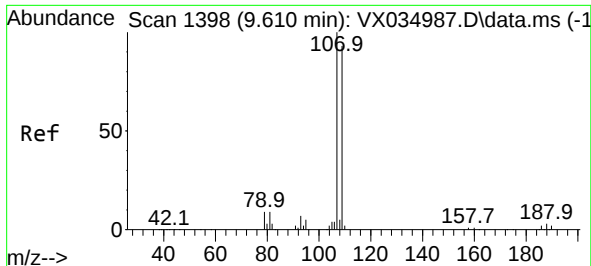


#49  
Dibromochloromethane  
Concen: 216.546 ug/L  
RT: 9.525 min Scan# 1384  
Delta R.T. 0.006 min  
Lab File: VX034989.D  
Acq: 10 Apr 2023 11:35

Tgt Ion: 129 Resp: 763790

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 77.3  | 55.0  | 102.2 |





#50

1,2-Dibromoethane

Concen: 203.289 ug/L

RT: 9.610 min Scan# 1398

Delta R.T. -0.000 min

Lab File: VX034989.D

Acq: 10 Apr 2023 11:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTD200630

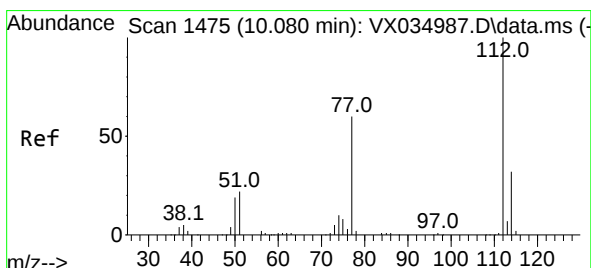
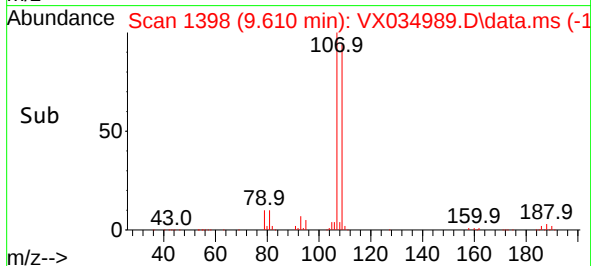
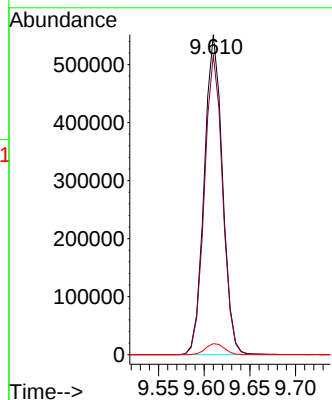
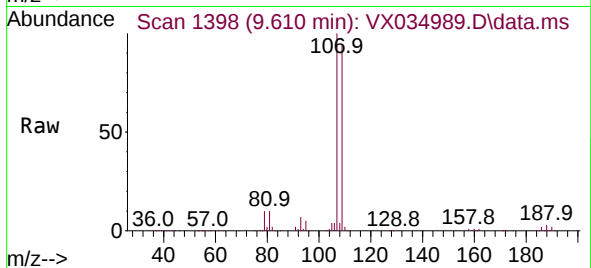
Tgt Ion:107 Resp: 764999

Ion Ratio Lower Upper

107 100

109 93.7 65.4 121.4

188 3.5 2.7 4.1



#51

Chlorobenzene

Concen: 197.413 ug/L

RT: 10.079 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VX034989.D

Acq: 10 Apr 2023 11:35

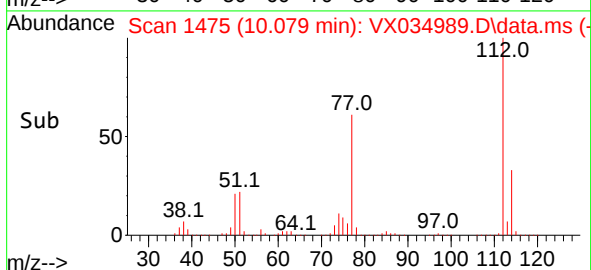
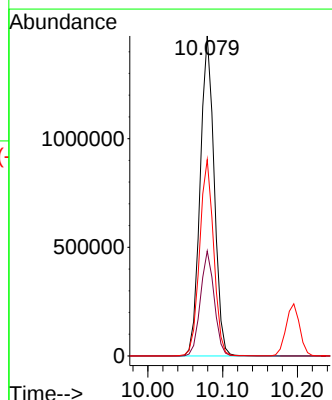
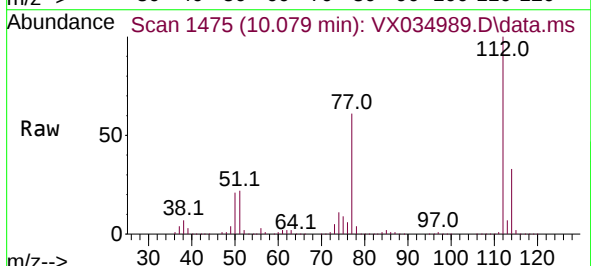
Tgt Ion:112 Resp: 1912494

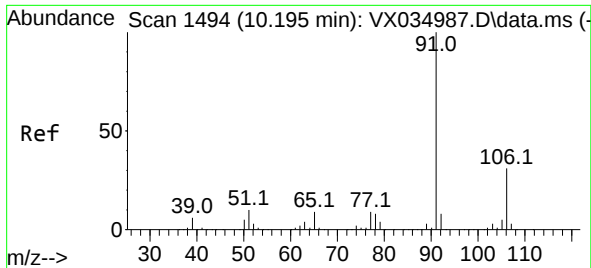
Ion Ratio Lower Upper

112 100

114 32.8 22.6 42.0

77 61.3 48.8 73.2

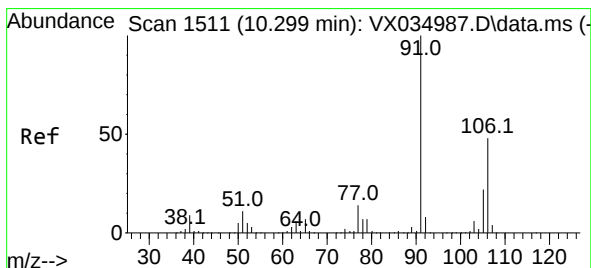
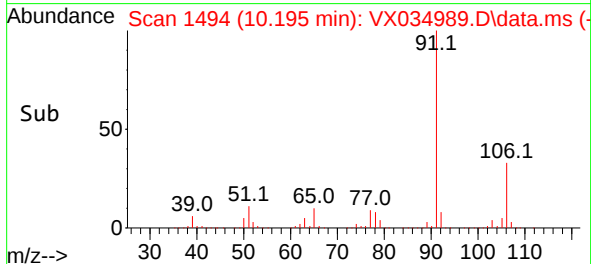
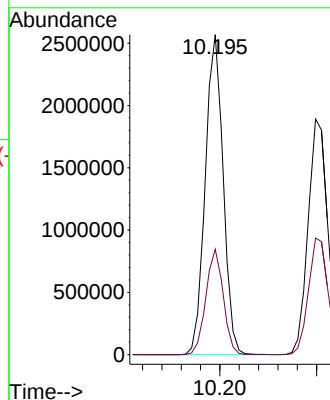
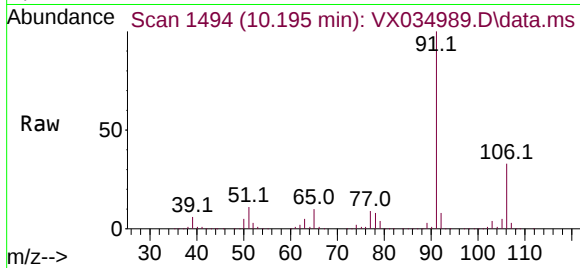




#52  
Ethylbenzene  
Concen: 193.540 ug/L  
RT: 10.195 min Scan# 1494  
Delta R.T. -0.000 min  
Lab File: VX034989.D  
Acq: 10 Apr 2023 11:35

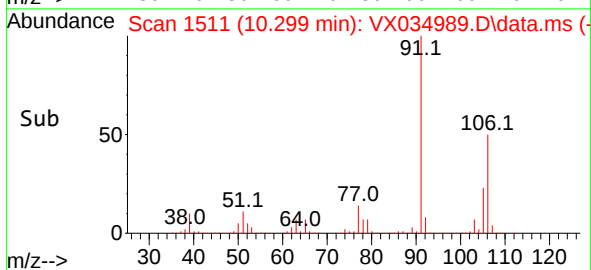
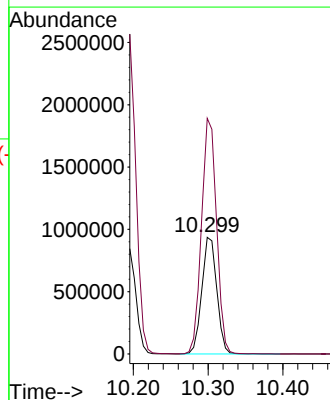
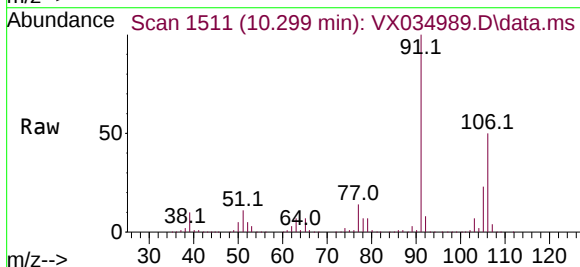
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTD200630

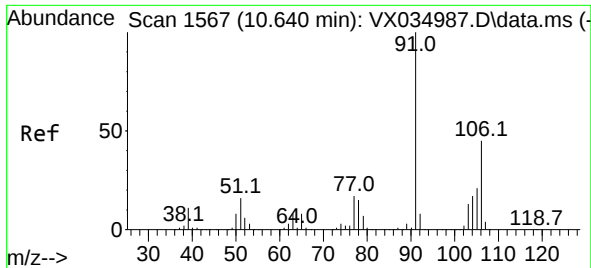
Tgt Ion: 91 Resp: 3301255  
Ion Ratio Lower Upper  
91 100  
106 32.9 21.3 39.6



#53  
m,p-Xylene  
Concen: 202.459 ug/L  
RT: 10.299 min Scan# 1511  
Delta R.T. -0.000 min  
Lab File: VX034989.D  
Acq: 10 Apr 2023 11:35

Tgt Ion: 106 Resp: 1301159  
Ion Ratio Lower Upper  
106 100  
91 201.9 146.4 272.0

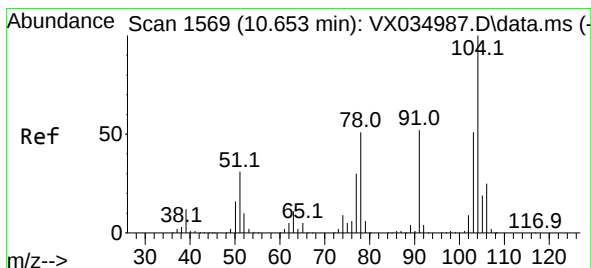
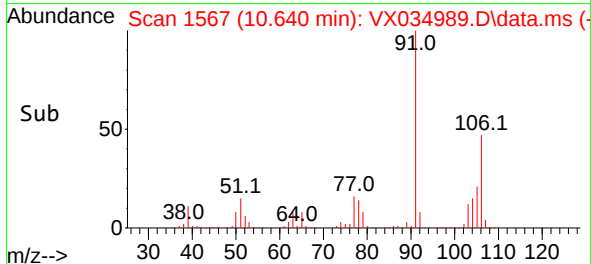
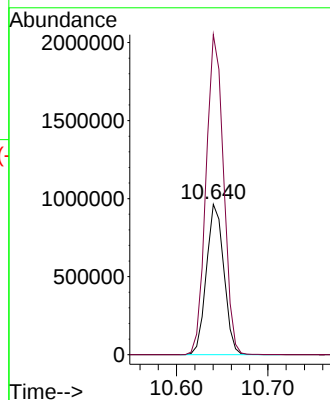
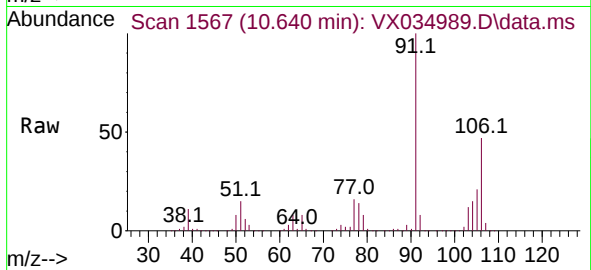




#54  
o-Xylene  
Concen: 201.354 ug/L  
RT: 10.640 min Scan# 1570  
Delta R.T. -0.000 min  
Lab File: VX034989.D  
Acq: 10 Apr 2023 11:35

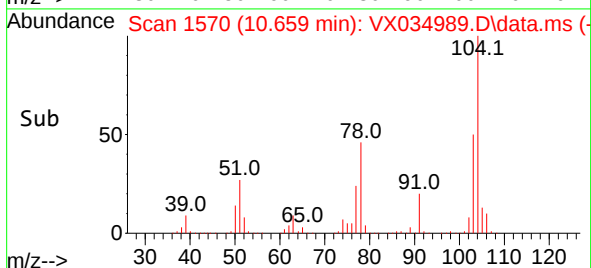
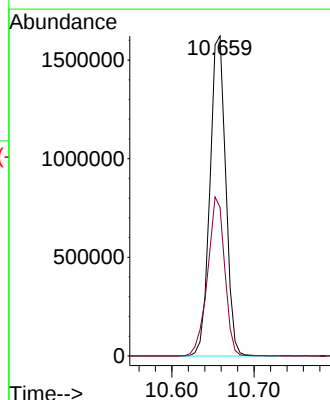
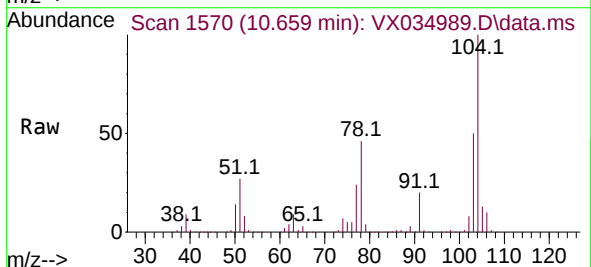
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTD200630

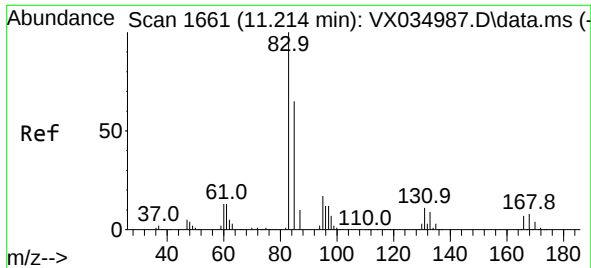
Tgt Ion:106 Resp: 1275024  
Ion Ratio Lower Upper  
106 100  
91 212.8 154.0 286.0



#55  
Styrene  
Concen: 203.952 ug/L  
RT: 10.659 min Scan# 1570  
Delta R.T. 0.006 min  
Lab File: VX034989.D  
Acq: 10 Apr 2023 11:35

Tgt Ion:104 Resp: 2165281  
Ion Ratio Lower Upper  
104 100  
78 46.4 35.4 65.8



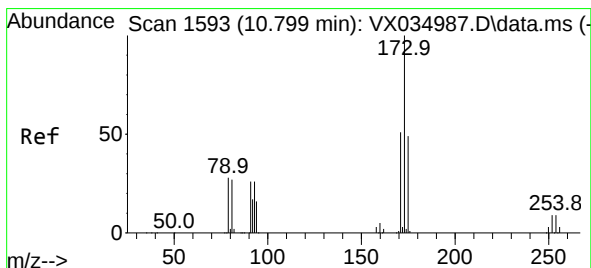
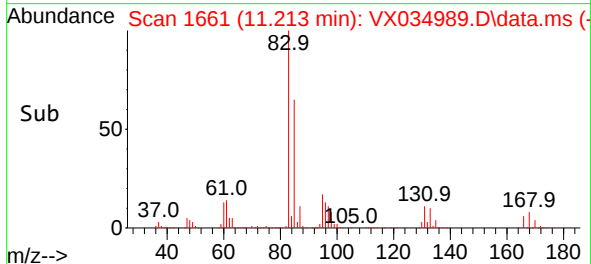
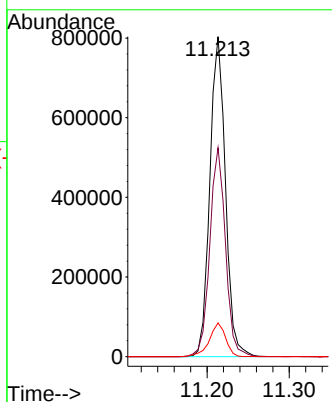
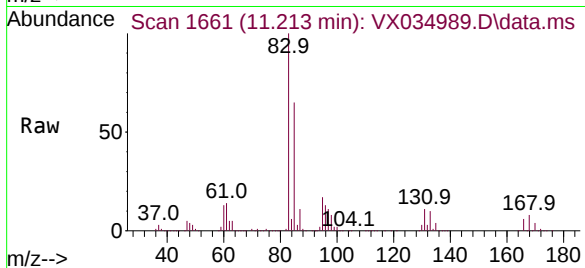


#57  
1,1,2,2-Tetrachloroethane  
Concen: 198.807 ug/L  
RT: 11.213 min Scan# 1661  
Delta R.T. -0.000 min  
Lab File: VX034989.D  
Acq: 10 Apr 2023 11:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTD200630

Tgt Ion: 83 Resp: 1058572

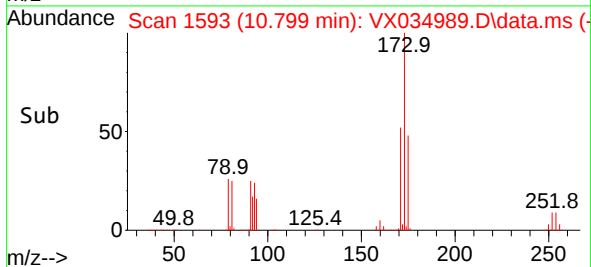
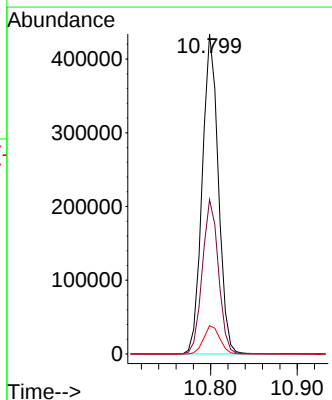
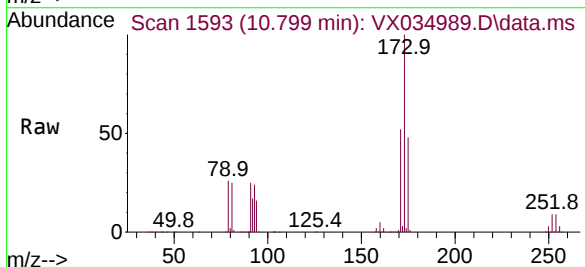
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 85  | 65.3  | 45.5  | 84.5  |
| 131 | 10.6  | 8.6   | 12.8  |

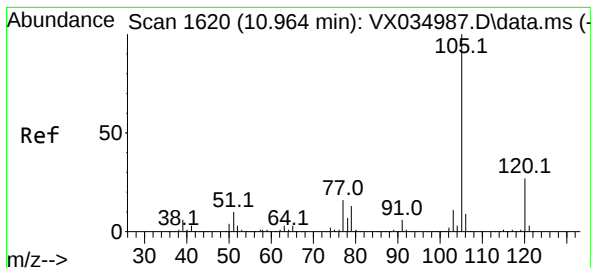


#59  
Bromoform  
Concen: 222.247 ug/L  
RT: 10.799 min Scan# 1593  
Delta R.T. -0.000 min  
Lab File: VX034989.D  
Acq: 10 Apr 2023 11:35

Tgt Ion: 173 Resp: 558858

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 173 | 100   |       |       |
| 175 | 48.3  | 39.0  | 58.4  |
| 254 | 8.9   | 7.3   | 10.9  |





#60

Isopropylbenzene

Concen: 188.277 ug/L

RT: 10.963 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX034989.D

Acq: 10 Apr 2023 11:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTD200630

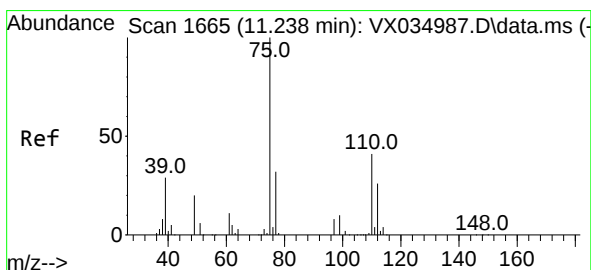
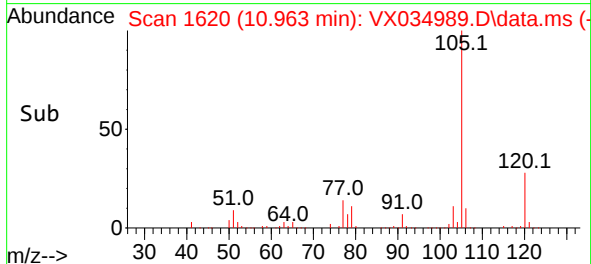
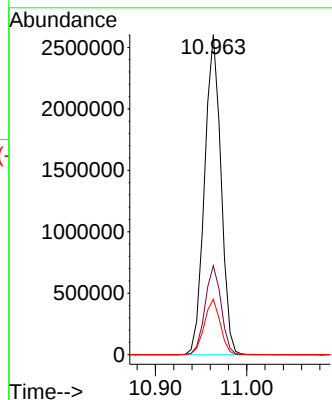
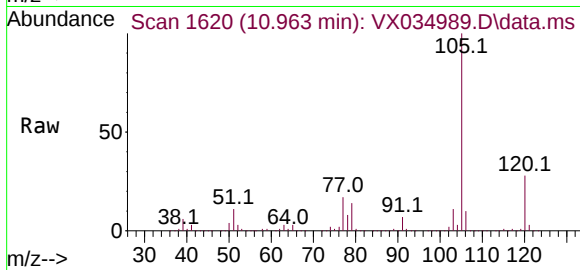
Tgt Ion:105 Resp: 3242876

Ion Ratio Lower Upper

105 100

120 27.4 21.1 31.7

77 16.9 13.3 19.9



#61

1,2,3-Trichloropropane

Concen: 186.973 ug/L

RT: 11.238 min Scan# 1665

Delta R.T. -0.000 min

Lab File: VX034989.D

Acq: 10 Apr 2023 11:35

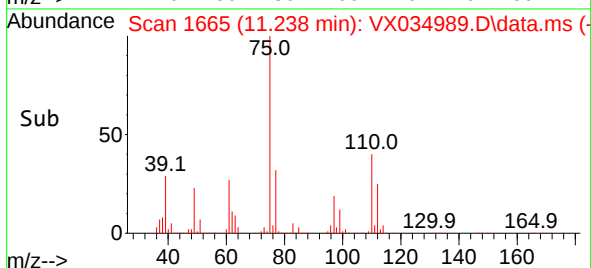
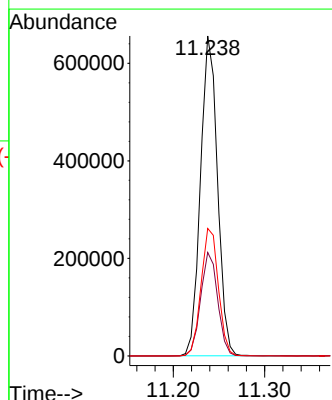
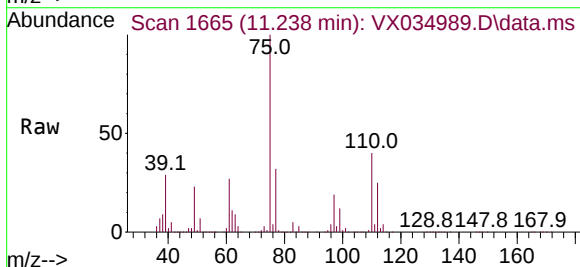
Tgt Ion: 75 Resp: 845563

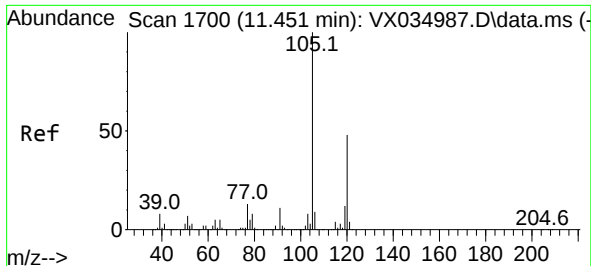
Ion Ratio Lower Upper

75 100

77 32.3 25.3 37.9

110 40.5 31.8 47.8





#62

1,3,5-Trimethylbenzene

Concen: 193.839 ug/L

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX034989.D

Acq: 10 Apr 2023 11:35

Instrument :

MSVOA\_X

ClientSampleId :

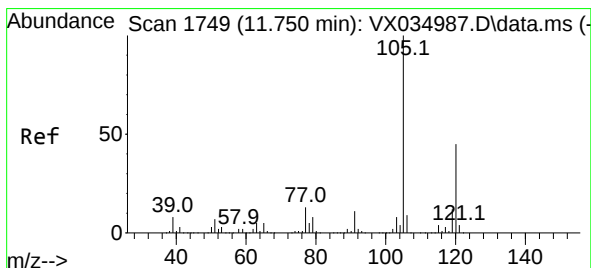
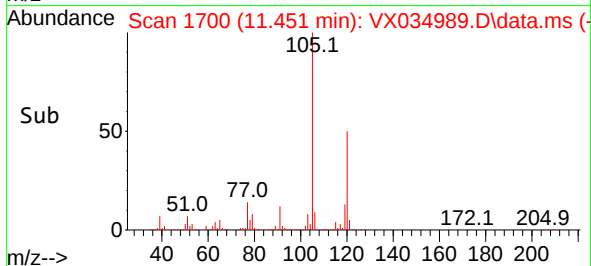
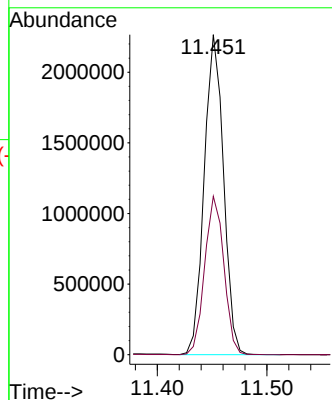
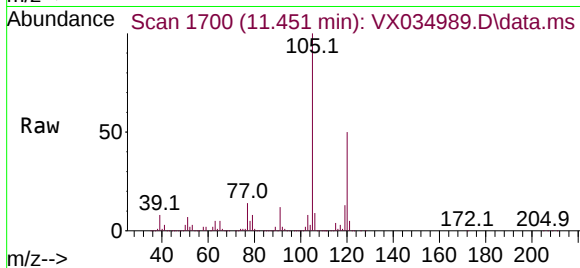
VSTD200630

Tgt Ion:105 Resp: 2768202

Ion Ratio Lower Upper

105 100

120 49.2 38.0 57.0



#63

1,2,4-Trimethylbenzene

Concen: 195.364 ug/L

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX034989.D

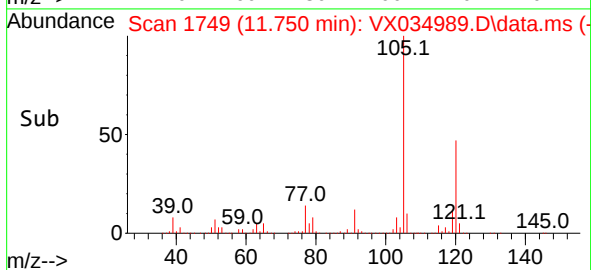
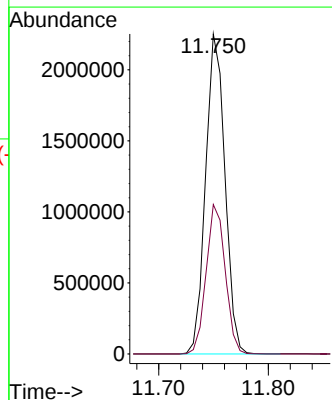
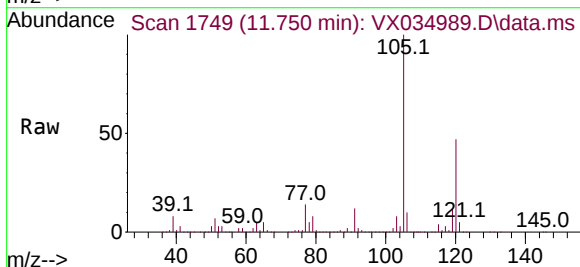
Acq: 10 Apr 2023 11:35

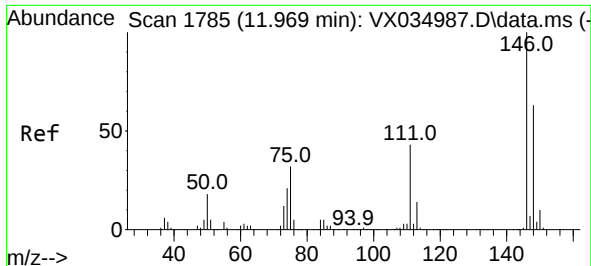
Tgt Ion:105 Resp: 2754817

Ion Ratio Lower Upper

105 100

120 46.2 35.6 53.4

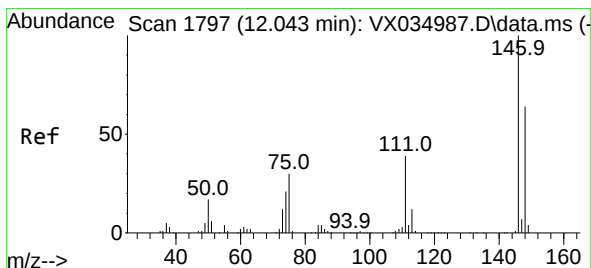
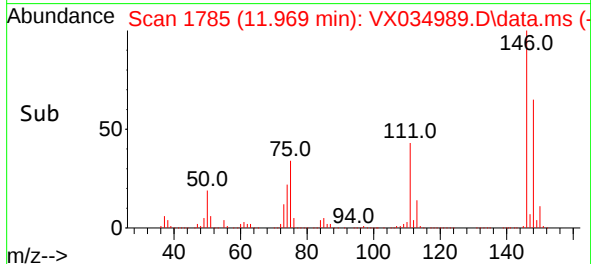
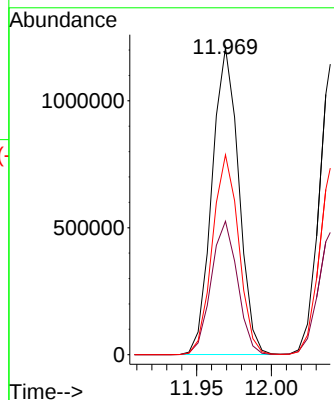
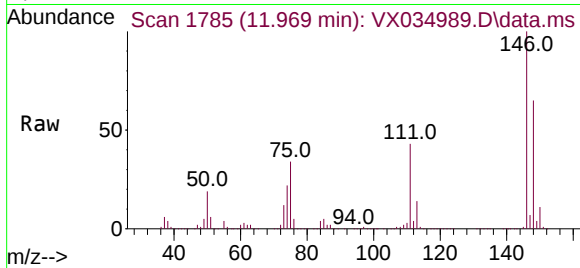




#64  
1,3-Dichlorobenzene  
Concen: 195.401 ug/L  
RT: 11.969 min Scan# 1785  
Delta R.T. -0.000 min  
Lab File: VX034989.D  
Acq: 10 Apr 2023 11:35

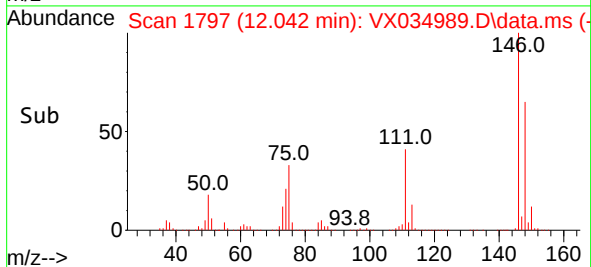
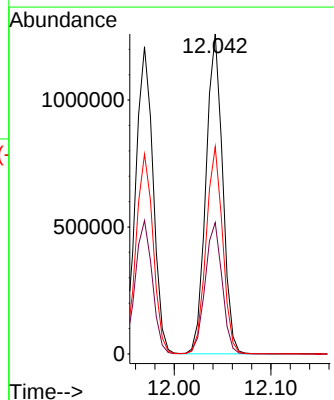
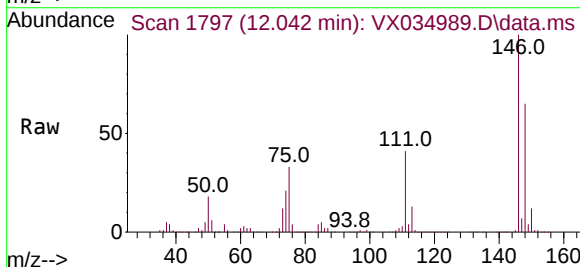
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTD200630

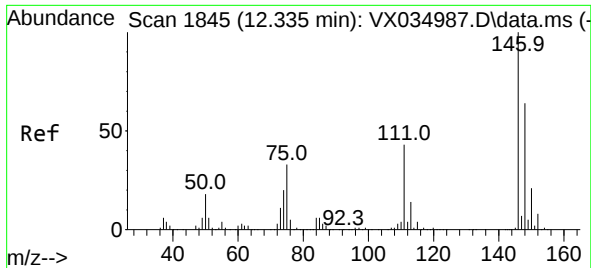
Tgt Ion:146 Resp: 1499260  
Ion Ratio Lower Upper  
146 100  
111 43.5 30.3 56.3  
148 65.1 44.2 82.2



#65  
1,4-Dichlorobenzene  
Concen: 194.836 ug/L  
RT: 12.042 min Scan# 1797  
Delta R.T. -0.000 min  
Lab File: VX034989.D  
Acq: 10 Apr 2023 11:35

Tgt Ion:146 Resp: 1511509  
Ion Ratio Lower Upper  
146 100  
111 41.1 27.5 51.1  
148 64.8 44.4 82.4

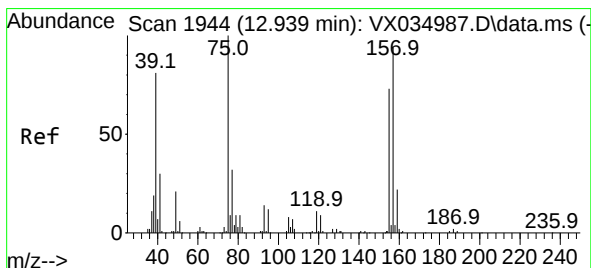
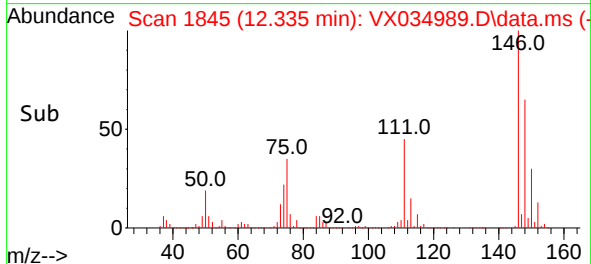
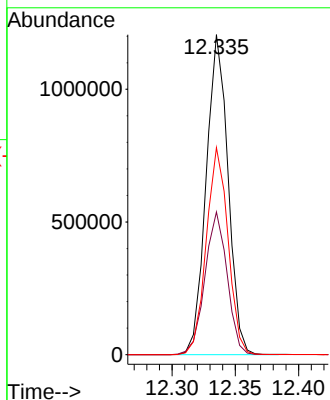
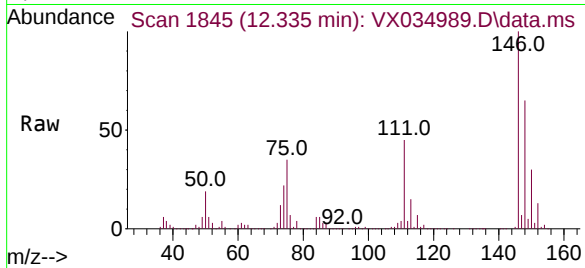




#67  
1,2-Dichlorobenzene  
Concen: 191.747 ug/L  
RT: 12.335 min Scan# 1845  
Delta R.T. -0.000 min  
Lab File: VX034989.D  
Acq: 10 Apr 2023 11:35

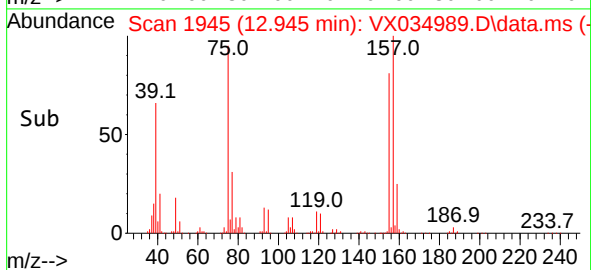
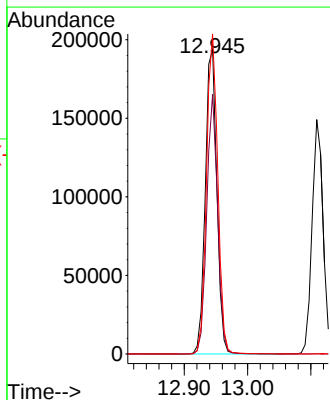
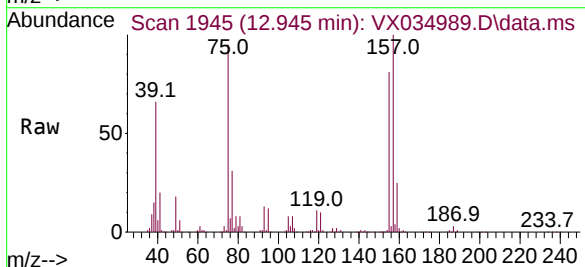
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTD200630

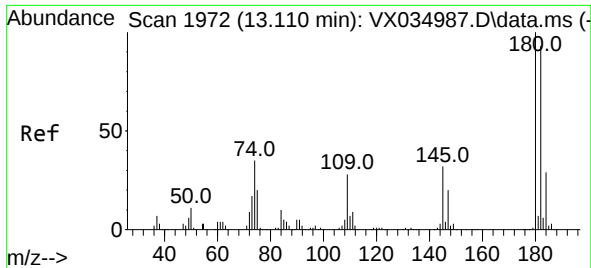
Tgt Ion:146 Resp: 1449381  
Ion Ratio Lower Upper  
146 100  
111 44.6 34.4 51.6  
148 64.7 51.0 76.4



#68  
1,2-Dibromo-3-chloropropane  
Concen: 213.302 ug/L  
RT: 12.945 min Scan# 1945  
Delta R.T. 0.006 min  
Lab File: VX034989.D  
Acq: 10 Apr 2023 11:35

Tgt Ion: 75 Resp: 246894  
Ion Ratio Lower Upper  
75 100  
155 85.4 58.0 87.0  
157 105.1 75.3 112.9

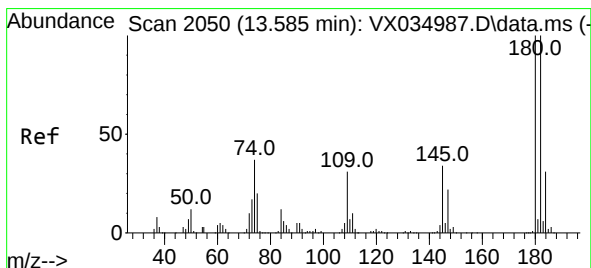
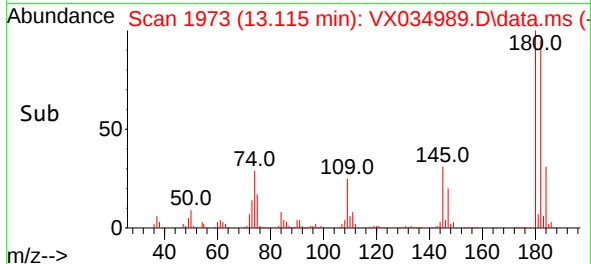
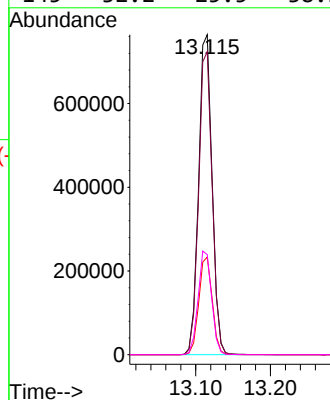
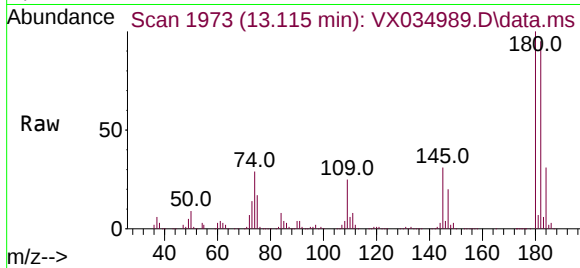




#69  
 1,3,5-Trichlorobenzene  
 Concen: 199.108 ug/L  
 RT: 13.115 min Scan# 1973  
 Delta R.T. 0.006 min  
 Lab File: VX034989.D  
 Acq: 10 Apr 2023 11:35

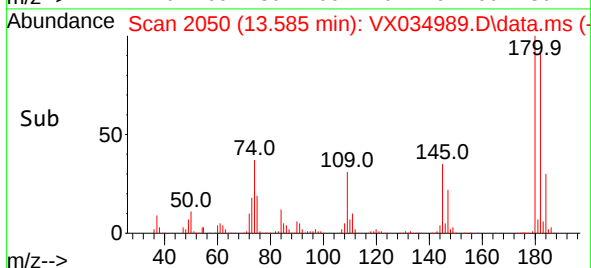
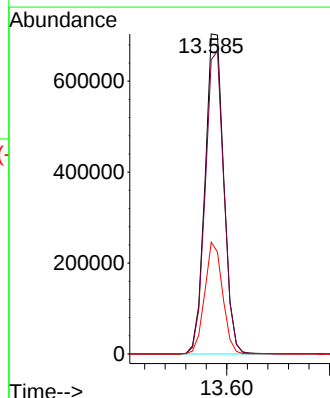
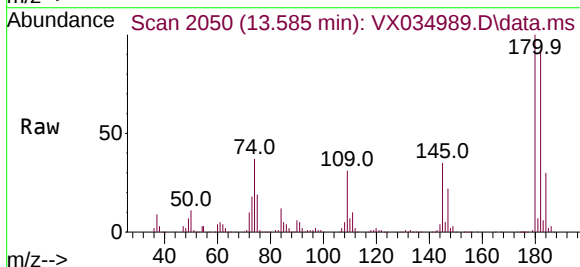
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD200630

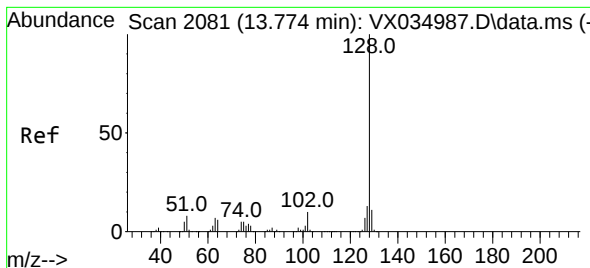
Tgt Ion:180 Resp: 955618  
 Ion Ratio Lower Upper  
 180 100  
 182 94.9 76.8 115.2  
 184 30.3 23.8 35.8  
 145 32.2 25.5 38.3



#70  
 1,2,4-trichlorobenzene  
 Concen: 200.105 ug/L  
 RT: 13.585 min Scan# 2050  
 Delta R.T. -0.000 min  
 Lab File: VX034989.D  
 Acq: 10 Apr 2023 11:35

Tgt Ion:180 Resp: 893348  
 Ion Ratio Lower Upper  
 180 100  
 182 94.2 77.0 115.4  
 145 33.3 26.7 40.1





#71

Naphthalene

Concen: 199.467 ug/L

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX034989.D

Acq: 10 Apr 2023 11:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTD200630

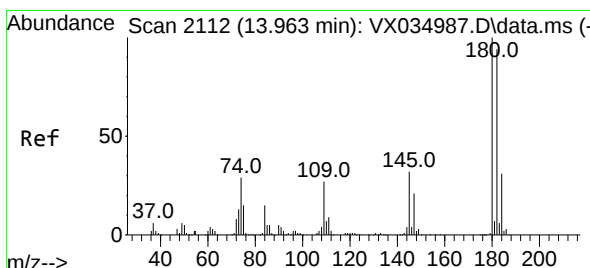
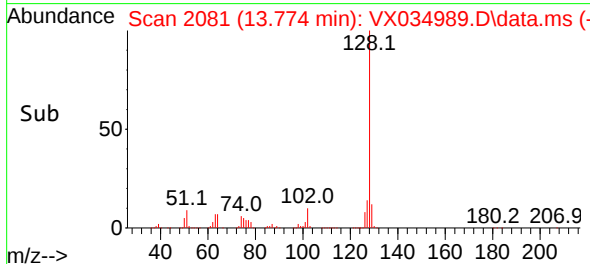
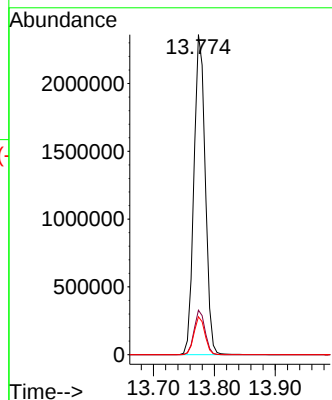
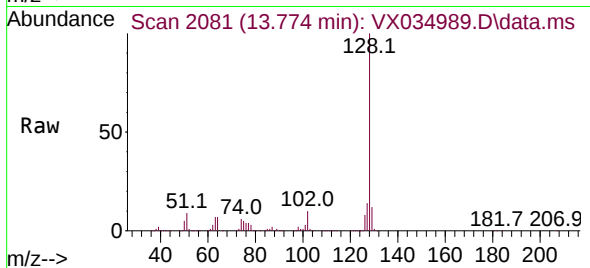
Tgt Ion:128 Resp: 3043003

Ion Ratio Lower Upper

128 100

127 13.4 10.2 15.4

129 11.5 8.9 13.3



#72

1,2,3-Trichlorobenzene

Concen: 195.279 ug/L

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX034989.D

Acq: 10 Apr 2023 11:35

Tgt Ion:180 Resp: 875416

Ion Ratio Lower Upper

180 100

182 96.0 76.6 114.8

145 35.2 28.0 42.0

