

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV111723\  
 Data File : VV032971.D  
 Acq On : 16 Nov 2023 19:21  
 Operator : SY/MD  
 Sample : VSTD001  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Nov 17 00:30:46 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111723WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Nov 17 00:29:50 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Difluorobenzene        | 5.538  | 114  | 169005   | 5.000  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.786  | 117  | 174564   | 5.000  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.188 | 152  | 87203    | 5.000  | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65   | 14037    | 0.976  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.532  | 69   | 11946    | 0.866  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.059  | 65   | 6087     | 0.960  | ug/L   | 0.00     |
| 20) 2-Butanone-d5             | 3.828  | 46   | 10578    | 5.522  | ug/L   | 0.03     |
| 24) Chloroform-d              | 4.255  | 84   | 23444    | 0.948  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 4.956  | 65   | 10489    | 0.961  | ug/L   | 0.01     |
| 32) Benzene-d6                | 4.966  | 84   | 40874    | 0.891  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 5.998  | 67   | 11983    | 0.920  | ug/L   | 0.00     |
| 41) Toluene-d8                | 7.249  | 98   | 37741    | 0.874  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.567  | 79   | 4292     | 0.845  | ug/L   | 0.00     |
| 46) 2-Hexanone-d5             | 8.033  | 63   | 12428    | 7.340  | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.159 | 84   | 8920     | 0.928  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.564 | 152  | 13919    | 0.917  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.104  | 85   | 18797    | 1.017  | ug/L   | 96       |
| 3) Chloromethane              | 1.214  | 50   | 18441    | 1.003  | ug/L   | 97       |
| 5) Vinyl chloride             | 1.281  | 62   | 17843    | 1.022  | ug/L   | 97       |
| 6) Bromomethane               | 1.487  | 94   | 11321    | 0.910  | ug/L   | 94       |
| 8) Chloroethane               | 1.548  | 64   | 11565    | 0.883  | ug/L   | 95       |
| 9) Trichlorofluoromethane     | 1.715  | 101  | 28043    | 1.035  | ug/L   | 94       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.069  | 101  | 15422    | 1.004  | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.069  | 96   | 14395    | 1.009  | ug/L   | 94       |
| 13) Acetone                   | 2.127  | 43   | 20209    | 11.353 | ug/L   | 91       |
| 14) Carbon disulfide          | 2.243  | 76   | 40107    | 0.973  | ug/L   | 99       |
| 15) Methyl Acetate            | 2.394  | 43   | 3103     | 0.786  | ug/L # | 79       |
| 16) Methylene chloride        | 2.448  | 84   | 21105    | 1.249  | ug/L   | 98       |
| 17) Methyl tert-butyl Ether   | 2.706  | 73   | 22084    | 0.928  | ug/L   | 96       |
| 18) trans-1,2-Dichloroethene  | 2.699  | 96   | 12903    | 0.951  | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.117  | 63   | 23540    | 0.980  | ug/L   | 98       |
| 21) 2-Butanone                | 3.905  | 43   | 20173    | 9.432  | ug/L   | 82       |
| 22) cis-1,2-Dichloroethene    | 3.825  | 96   | 13413    | 0.967  | ug/L   | 92       |
| 23) Bromochloromethane        | 4.159  | 128  | 6273     | 0.986  | ug/L   | 84       |
| 25) Chloroform                | 4.284  | 83   | 25100    | 0.947  | ug/L   | 99       |
| 27) 1,2-Dichloroethane        | 5.050  | 62   | 12773    | 0.906  | ug/L   | 95       |
| 29) 1,1,1-Trichloroethane     | 4.516  | 97   | 23322    | 0.968  | ug/L   | 99       |
| 30) Cyclohexane               | 4.583  | 56   | 14590    | 0.868  | ug/L # | 96       |
| 31) Carbon tetrachloride      | 4.738  | 117  | 20734    | 0.993  | ug/L   | 98       |
| 33) Benzene                   | 5.017  | 78   | 46703    | 0.906  | ug/L   | 100      |
| 34) Trichloroethene           | 5.844  | 95   | 13457    | 0.949  | ug/L   | 96       |
| 35) Methylcyclohexane         | 6.053  | 83   | 16353    | 0.871  | ug/L   | 94       |
| 37) 1,2-Dichloropropane       | 6.098  | 63   | 12112    | 0.946  | ug/L # | 94       |
| 38) Bromodichloromethane      | 6.442  | 83   | 16685    | 0.944  | ug/L   | 91       |
| 39) cis-1,3-Dichloropropene   | 6.963  | 75   | 14989    | 0.853  | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 7.165  | 43   | 40057    | 7.925  | ug/L   | 98       |
| 42) Toluene                   | 7.320  | 91   | 50903    | 0.908  | ug/L   | 93       |
| 44) trans-1,3-Dichloropropene | 7.593  | 75   | 12610    | 0.892  | ug/L   | 89       |

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 Sample : VSTD001  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

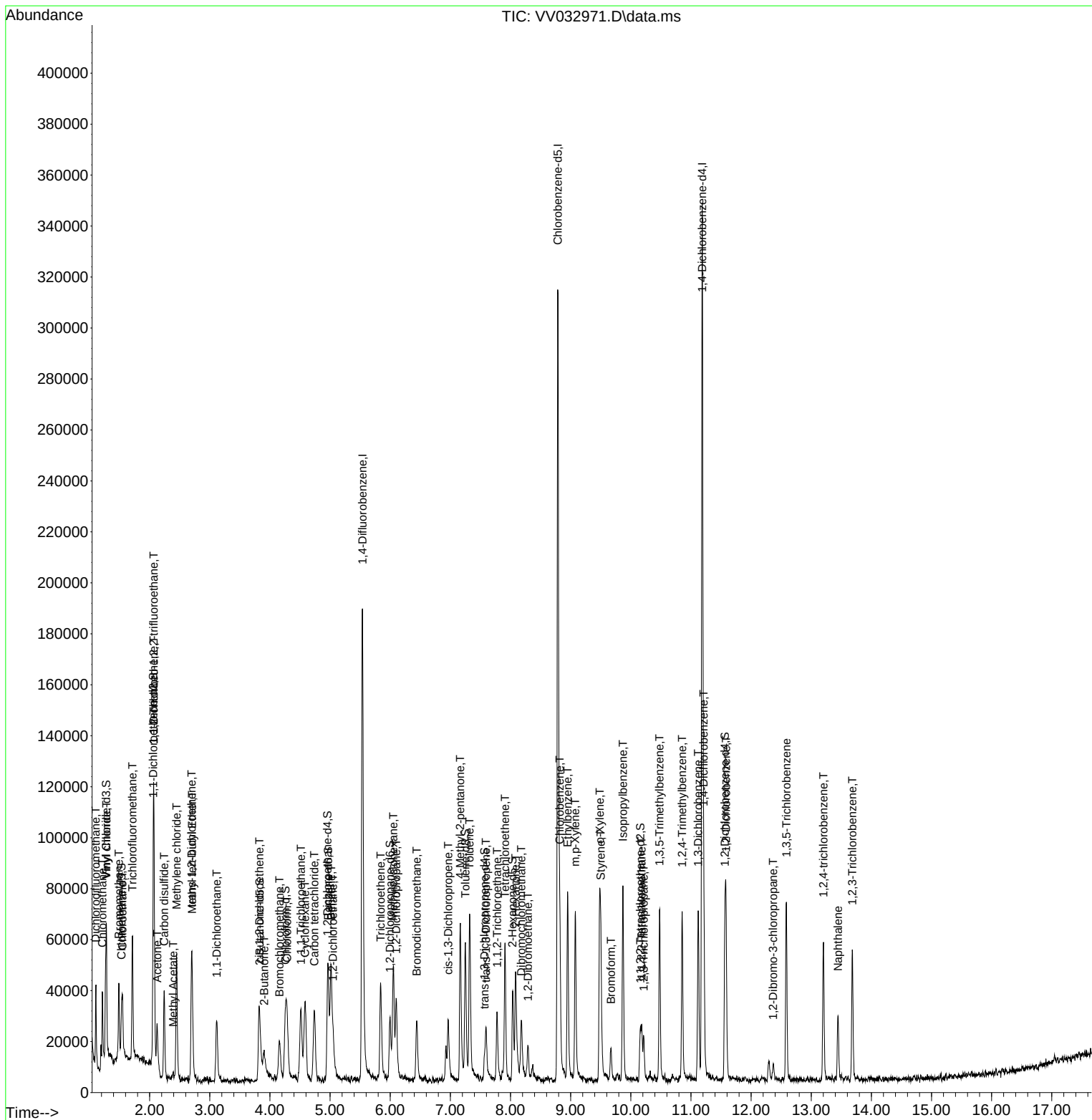
Instrument :  
 MSVOA\_V  
 ClientSampleId :

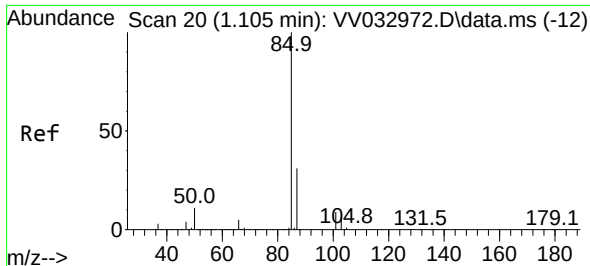
Quant Time: Nov 17 00:30:46 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111723WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Nov 17 00:29:50 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| 45) 1,1,2-Trichloroethane     | 7.776  | 97   | 8998     | 0.976 | ug/L   | 97       |
| 47) Tetrachloroethene         | 7.908  | 164  | 11421    | 0.956 | ug/L   | 93       |
| 48) 2-Hexanone                | 8.085  | 43   | 27478    | 7.402 | ug/L   | 96       |
| 49) Dibromochloromethane      | 8.178  | 129  | 10255    | 0.927 | ug/L   | 97       |
| 50) 1,2-Dibromoethane         | 8.291  | 107  | 8324     | 0.944 | ug/L # | 89       |
| 51) Chlorobenzene             | 8.818  | 112  | 35560    | 0.945 | ug/L   | 96       |
| 52) Ethylbenzene              | 8.950  | 91   | 51097    | 0.877 | ug/L   | 99       |
| 53) m,p-Xylene                | 9.078  | 106  | 18954    | 0.842 | ug/L   | 95       |
| 54) o-Xylene                  | 9.484  | 106  | 17338    | 0.806 | ug/L   | 96       |
| 55) Styrene                   | 9.503  | 104  | 29344    | 0.793 | ug/L   | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.181 | 83   | 9650     | 0.938 | ug/L # | 95       |
| 59) Bromoform                 | 9.670  | 173  | 5219     | 0.949 | ug/L   | 95       |
| 60) Isopropylbenzene          | 9.869  | 105  | 47363    | 0.877 | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 10.217 | 75   | 6115     | 0.960 | ug/L # | 88       |
| 62) 1,3,5-Trimethylbenzene    | 10.477 | 105  | 34830    | 0.823 | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.853 | 105  | 34814    | 0.816 | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 11.120 | 146  | 27182    | 0.948 | ug/L   | 95       |
| 65) 1,4-Dichlorobenzene       | 11.213 | 146  | 28260    | 0.965 | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 11.583 | 146  | 24431    | 0.954 | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.368 | 75   | 1690     | 1.107 | ug/L # | 82       |
| 69) 1,3,5-Trichlorobenzene    | 12.586 | 180  | 20274    | 0.952 | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene    | 13.204 | 180  | 15743    | 0.911 | ug/L   | 98       |
| 71) Naphthalene               | 13.445 | 128  | 20787    | 0.865 | ug/L # | 94       |
| 72) 1,2,3-Trichlorobenzene    | 13.683 | 180  | 14476    | 0.962 | ug/L   | 95       |
| -----                         |        |      |          |       |        |          |

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

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QLast Update : Fri Nov 17 00:29:50 2023  
Response via : Initial Calibration

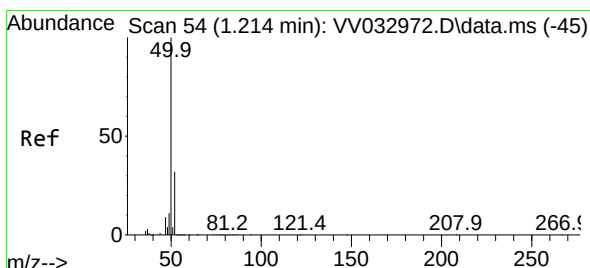
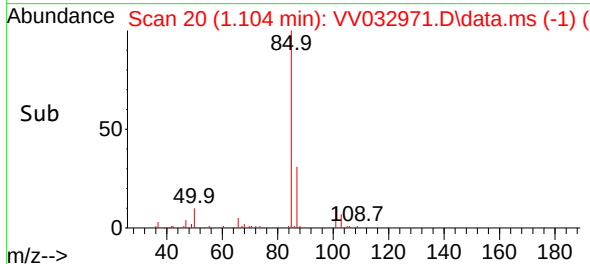
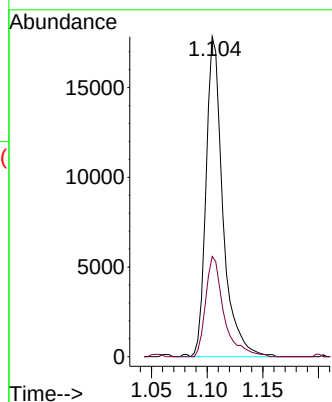
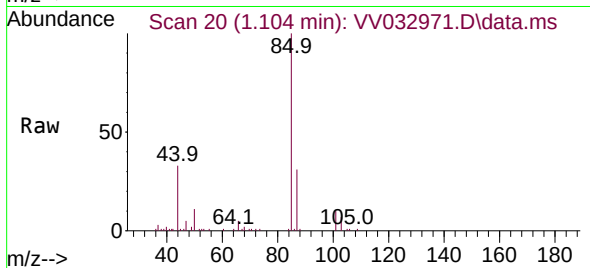




#2  
 Dichlorodifluoromethane  
 Concen: 1.017 ug/L  
 RT: 1.104 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: VV032971.D  
 Acq: 16 Nov 2023 19:21

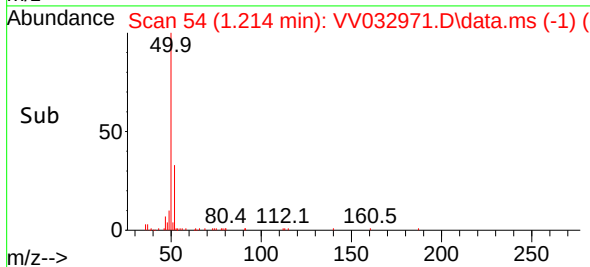
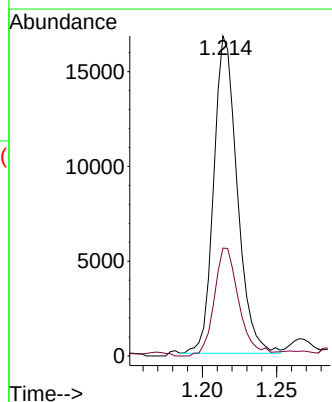
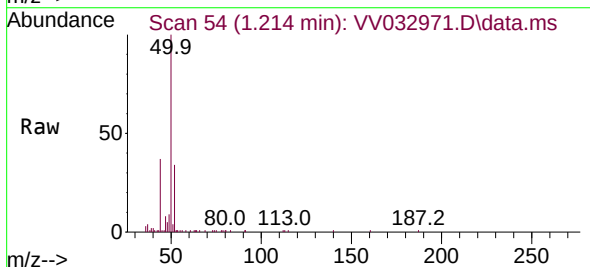
Instrument :  
 MSVOA\_V  
 ClientSampleId :

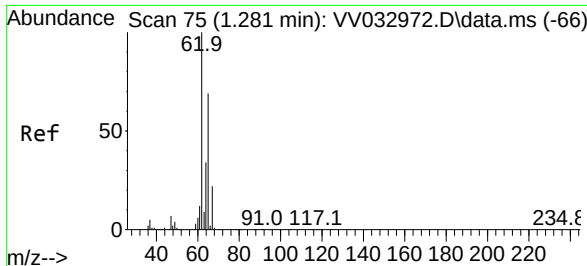
Tgt Ion: 85 Resp: 18797  
 Ion Ratio Lower Upper  
 85 100  
 87 33.9 25.4 38.2



#3  
 Chloromethane  
 Concen: 1.003 ug/L  
 RT: 1.214 min Scan# 54  
 Delta R.T. -0.000 min  
 Lab File: VV032971.D  
 Acq: 16 Nov 2023 19:21

Tgt Ion: 50 Resp: 18441  
 Ion Ratio Lower Upper  
 50 100  
 52 33.7 22.3 41.3



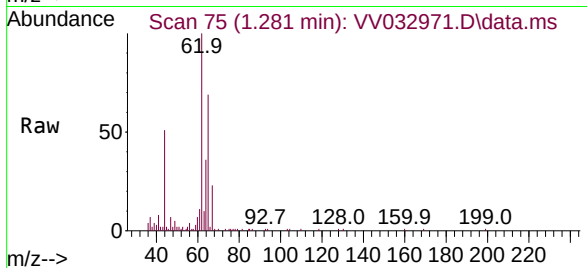


#5  
 Vinyl chloride  
 Concen: 1.022 ug/L  
 RT: 1.281 min Scan# 75  
 Delta R.T. -0.000 min  
 Lab File: VV032971.D  
 Acq: 16 Nov 2023 19:21

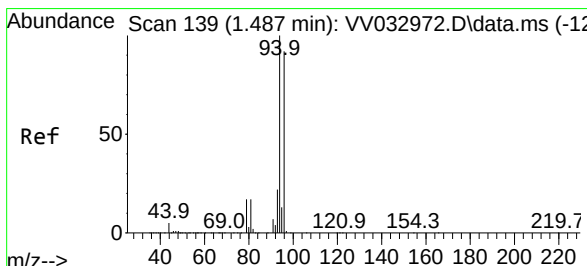
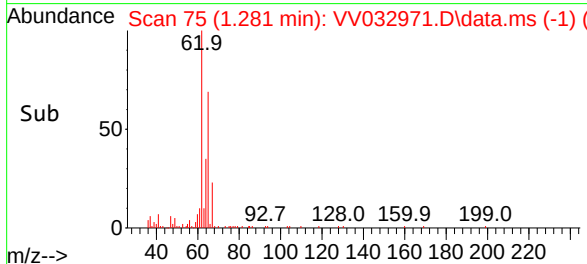
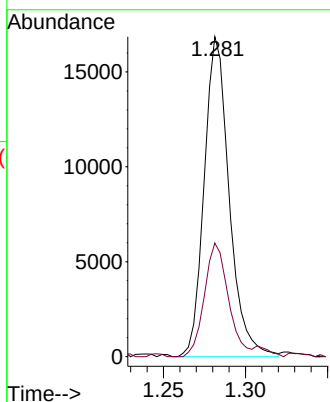
Instrument :

MSVOA\_V

ClientSampleId :

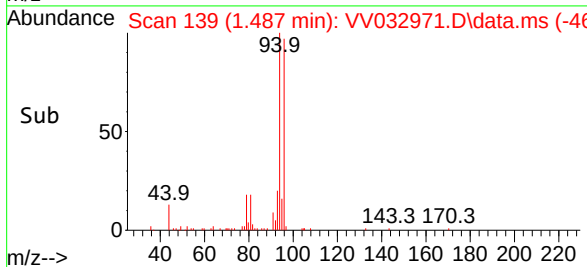
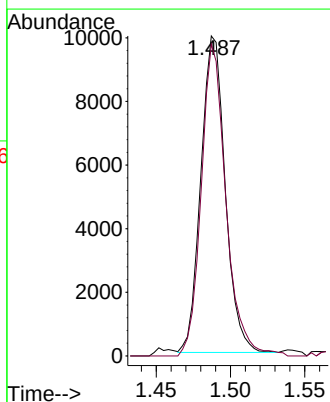
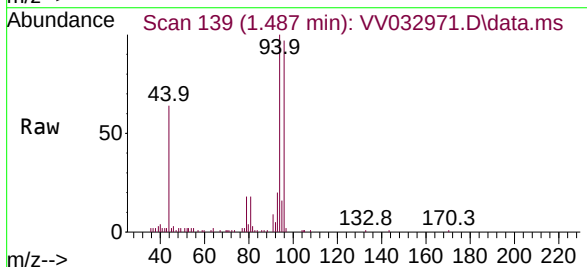


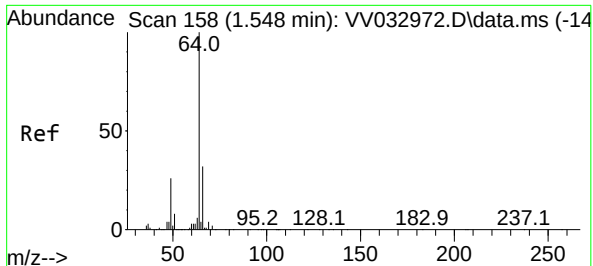
Tgt Ion: 62 Resp: 17843  
 Ion Ratio Lower Upper  
 62 100  
 64 35.5 23.7 43.9



#6  
 Bromomethane  
 Concen: 0.910 ug/L  
 RT: 1.487 min Scan# 139  
 Delta R.T. -0.000 min  
 Lab File: VV032971.D  
 Acq: 16 Nov 2023 19:21

Tgt Ion: 94 Resp: 11321  
 Ion Ratio Lower Upper  
 94 100  
 96 97.3 64.3 119.3

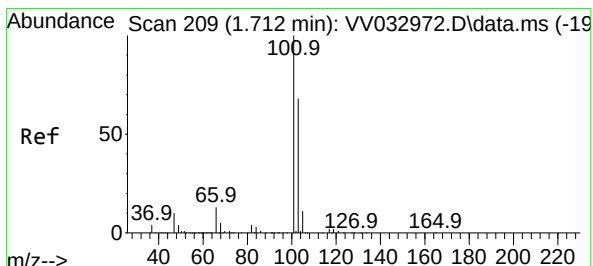
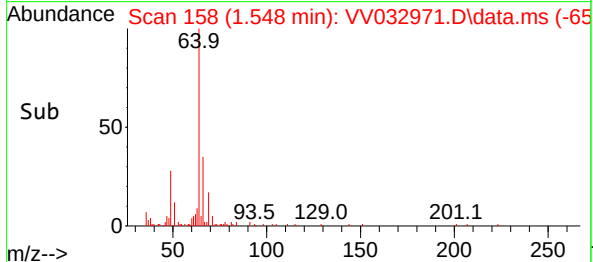
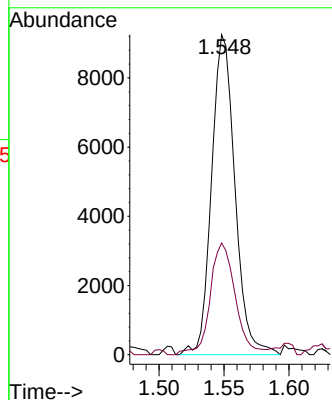
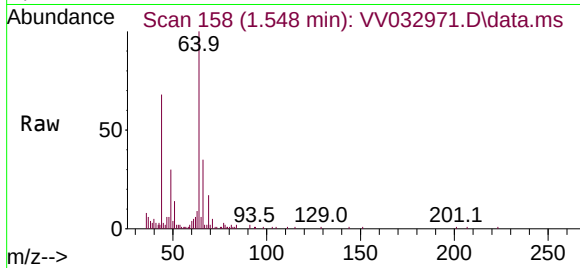




#8  
Chloroethane  
Concen: 0.883 ug/L  
RT: 1.548 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VV032971.D  
Acq: 16 Nov 2023 19:21

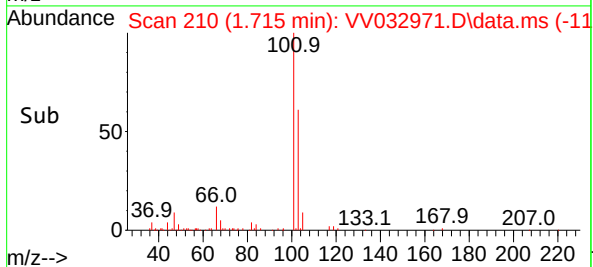
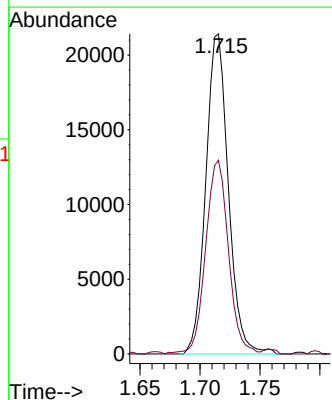
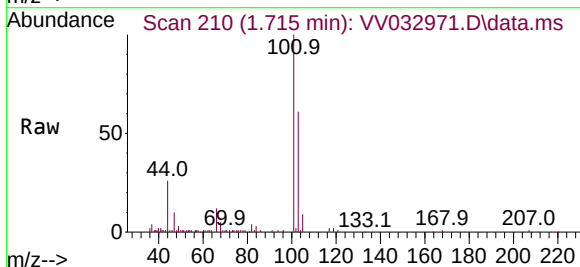
Instrument :  
MSVOA\_V  
ClientSampleId :

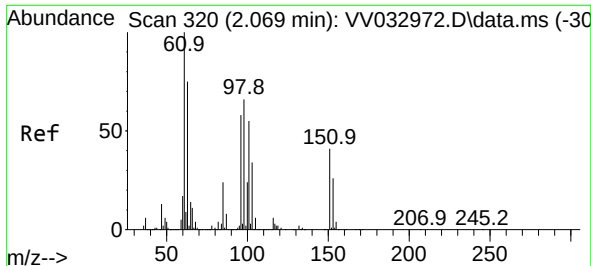
Tgt Ion: 64 Resp: 11565  
Ion Ratio Lower Upper  
64 100  
66 34.9 22.3 41.5



#9  
Trichlorofluoromethane  
Concen: 1.035 ug/L  
RT: 1.715 min Scan# 210  
Delta R.T. 0.003 min  
Lab File: VV032971.D  
Acq: 16 Nov 2023 19:21

Tgt Ion:101 Resp: 28043  
Ion Ratio Lower Upper  
101 100  
103 61.3 53.0 79.4

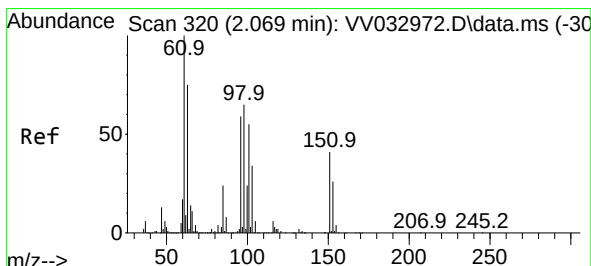
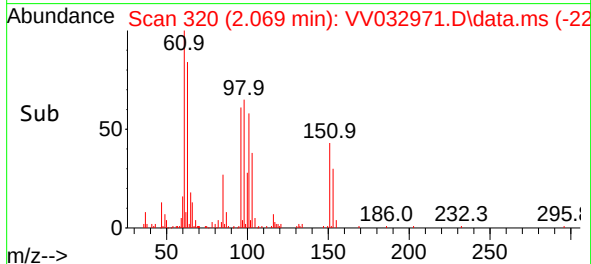
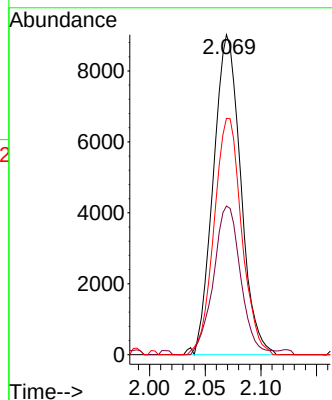
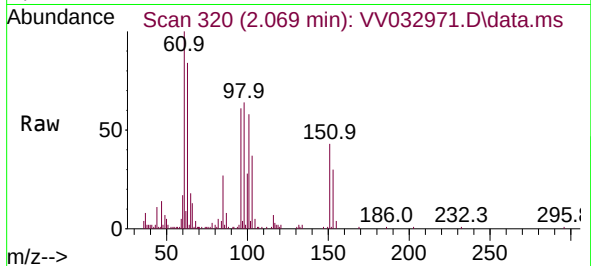




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 1.004 ug/L  
 RT: 2.069 min Scan# 310  
 Delta R.T. -0.000 min  
 Lab File: VV032971.D  
 Acq: 16 Nov 2023 19:21

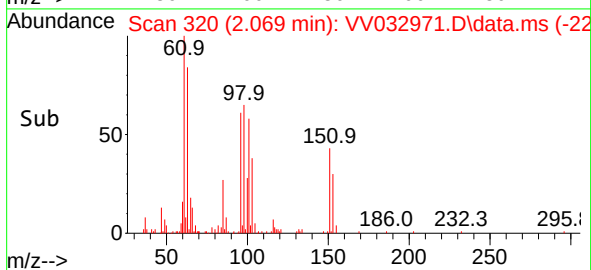
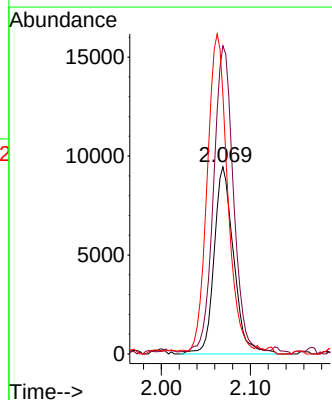
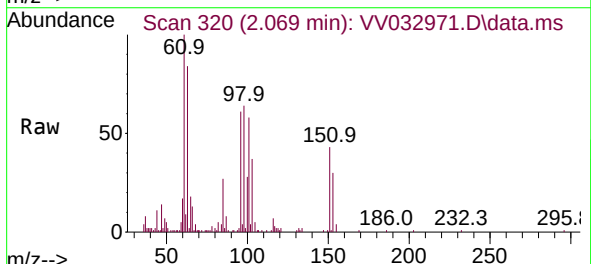
Instrument :  
 MSVOA\_V  
 ClientSampleId :

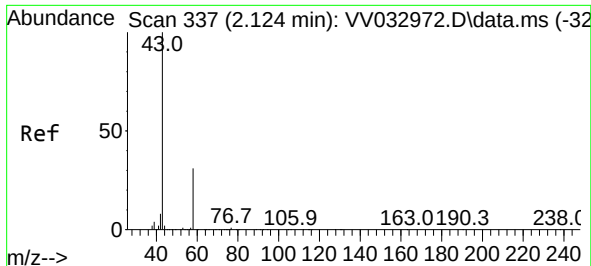
Tgt Ion:101 Resp: 15422  
 Ion Ratio Lower Upper  
 101 100  
 85 46.2 35.5 53.3  
 151 74.3 59.5 89.3



#12  
 1,1-Dichloroethene  
 Concen: 1.009 ug/L  
 RT: 2.069 min Scan# 320  
 Delta R.T. -0.000 min  
 Lab File: VV032971.D  
 Acq: 16 Nov 2023 19:21

Tgt Ion: 96 Resp: 14395  
 Ion Ratio Lower Upper  
 96 100  
 61 164.8 119.8 222.6  
 63 138.7 90.5 168.1





#13

Acetone

Concen: 11.353 ug/L

RT: 2.127 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV032971.D

Acq: 16 Nov 2023 19:21

Instrument :

MSVOA\_V

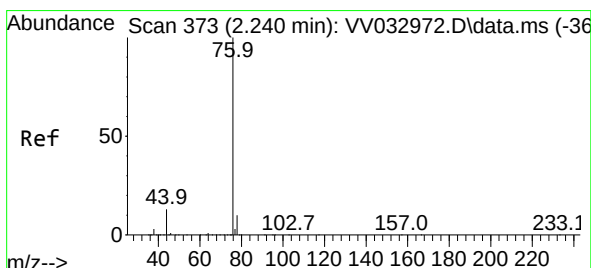
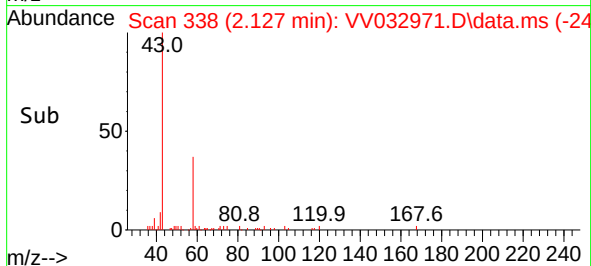
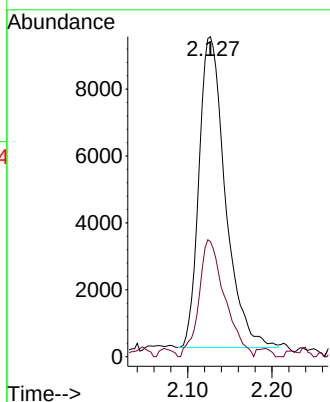
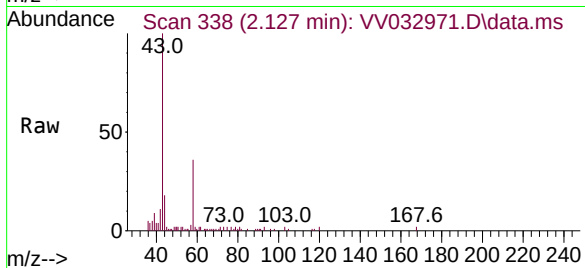
ClientSampleId :

Tgt Ion: 43 Resp: 20209

Ion Ratio Lower Upper

43 100

58 36.7 0.0 63.6



#14

Carbon disulfide

Concen: 0.973 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.003 min

Lab File: VV032971.D

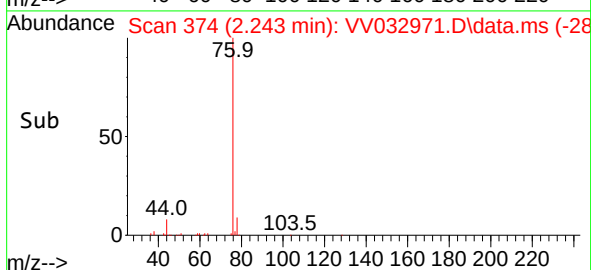
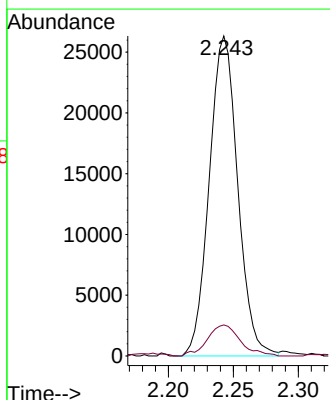
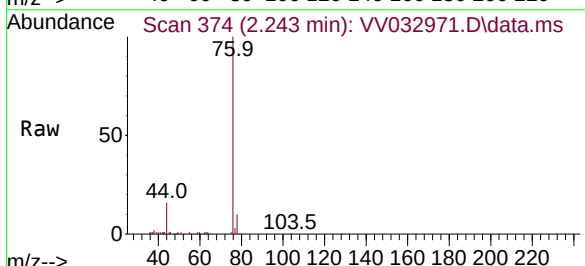
Acq: 16 Nov 2023 19:21

Tgt Ion: 76 Resp: 40107

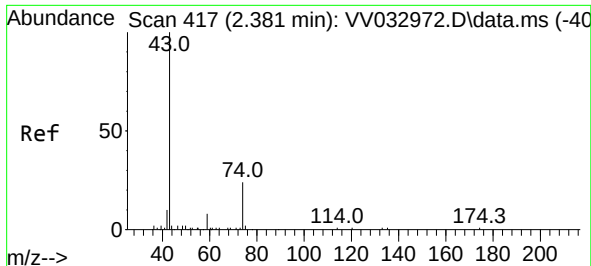
Ion Ratio Lower Upper

76 100

78 10.1 7.7 11.5



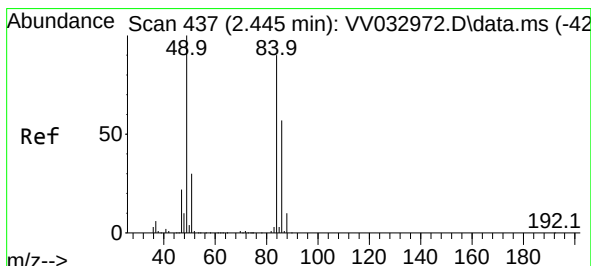
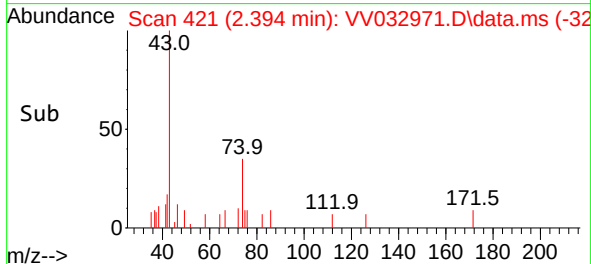
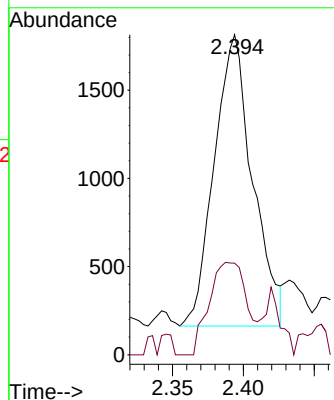
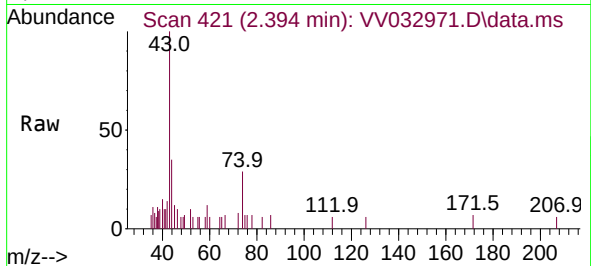




#15  
Methyl Acetate  
Concen: 0.786 ug/L  
RT: 2.394 min Scan# 417  
Delta R.T. 0.013 min  
Lab File: VV032971.D  
Acq: 16 Nov 2023 19:21

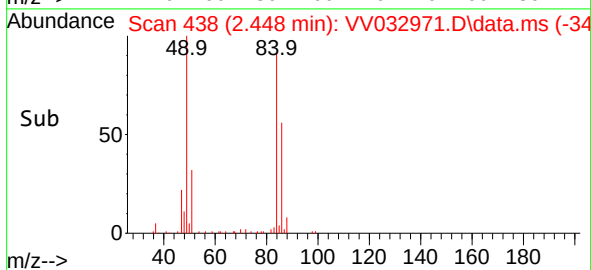
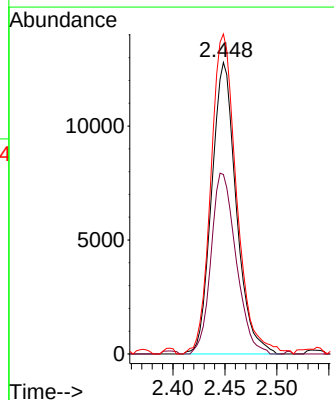
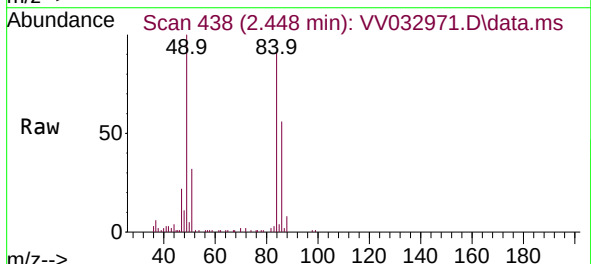
Instrument :  
MSVOA\_V  
ClientSampleId :

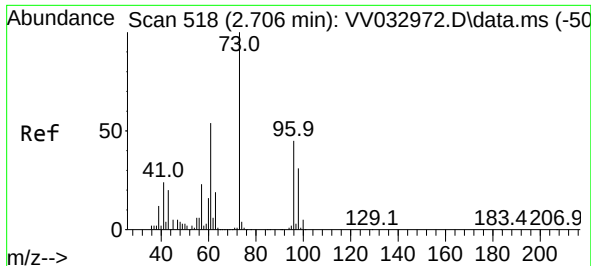
Tgt Ion: 43 Resp: 3103  
Ion Ratio Lower Upper  
43 100  
74 31.2 16.9 25.3#



#16  
Methylene chloride  
Concen: 1.249 ug/L  
RT: 2.448 min Scan# 438  
Delta R.T. 0.003 min  
Lab File: VV032971.D  
Acq: 16 Nov 2023 19:21

Tgt Ion: 84 Resp: 21105  
Ion Ratio Lower Upper  
84 100  
86 61.6 44.7 83.1  
49 109.7 78.3 145.5





#17

Methyl tert-butyl Ether

Concen: 0.928 ug/L

RT: 2.706 min Scan# 518

Delta R.T. -0.000 min

Lab File: VV032971.D

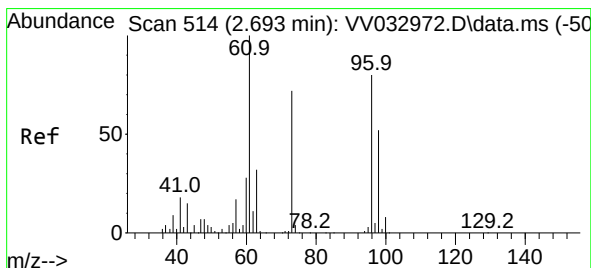
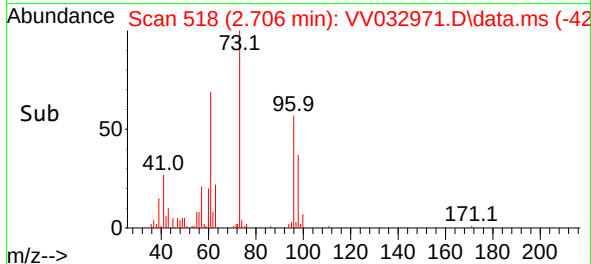
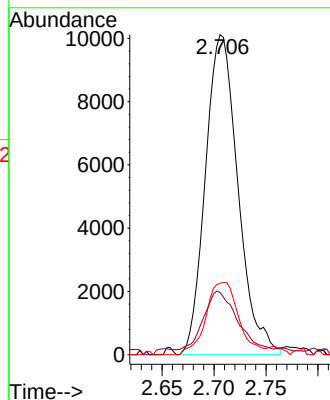
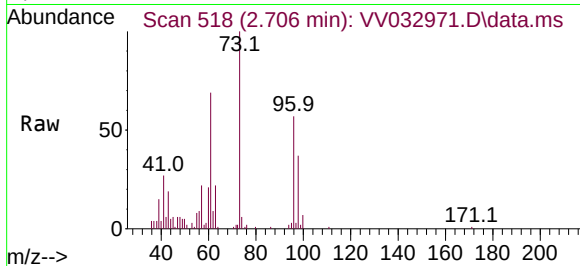
Acq: 16 Nov 2023 19:21

Instrument :

MSVOA\_V

ClientSampleId :

|             |             |
|-------------|-------------|
| Tgt Ion: 73 | Resp: 22084 |
| Ion Ratio   | Lower Upper |
| 73 100      |             |
| 43 18.3     | 17.3 25.9   |
| 57 22.9     | 17.8 26.6   |



#18

trans-1,2-Dichloroethene

Concen: 0.951 ug/L

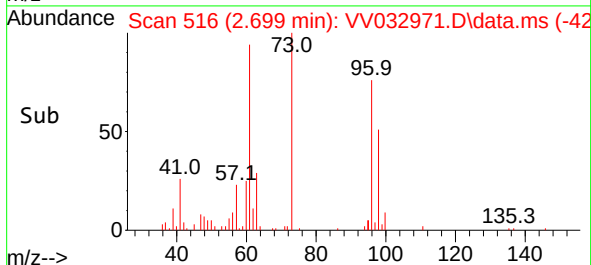
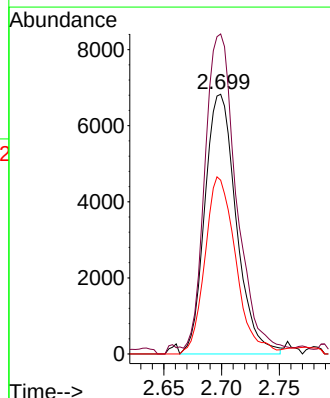
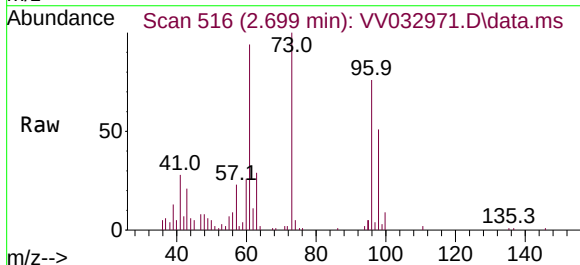
RT: 2.699 min Scan# 516

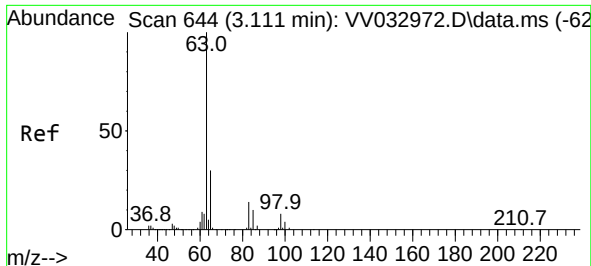
Delta R.T. 0.006 min

Lab File: VV032971.D

Acq: 16 Nov 2023 19:21

|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 12903 |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 61 123.3    | 88.2 163.8  |
| 98 66.9     | 45.4 84.4   |





#19

1,1-Dichloroethane

Concen: 0.980 ug/L

RT: 3.117 min Scan# 64

Delta R.T. 0.006 min

Lab File: VV032971.D

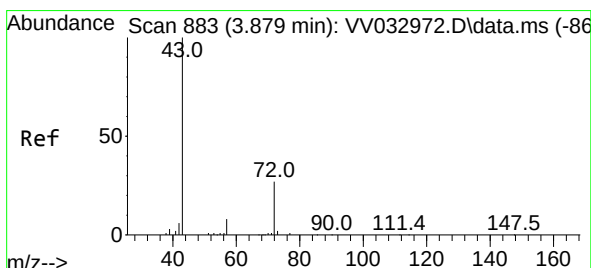
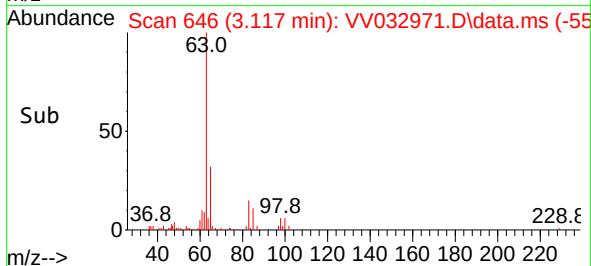
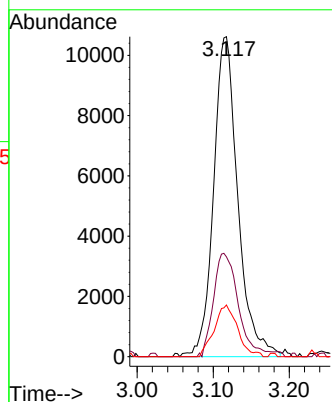
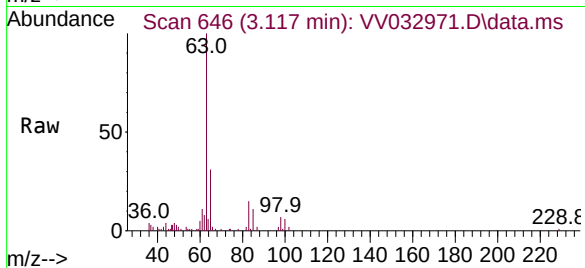
Acq: 16 Nov 2023 19:21

Instrument :

MSVOA\_V

ClientSampleId :

|             |             |
|-------------|-------------|
| Tgt Ion: 63 | Resp: 23540 |
| Ion Ratio   | Lower Upper |
| 63 100      |             |
| 65 31.0     | 21.0 39.0   |
| 83 15.3     | 10.0 18.6   |



#21

2-Butanone

Concen: 9.432 ug/L

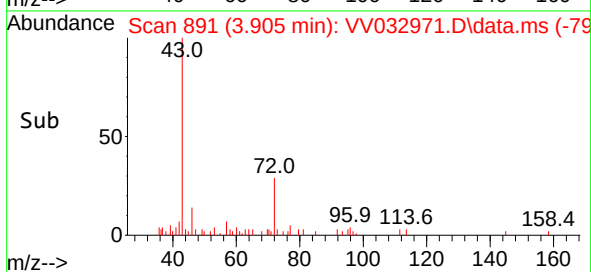
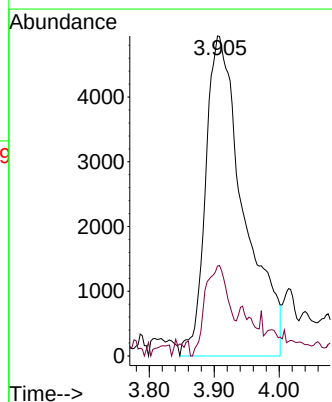
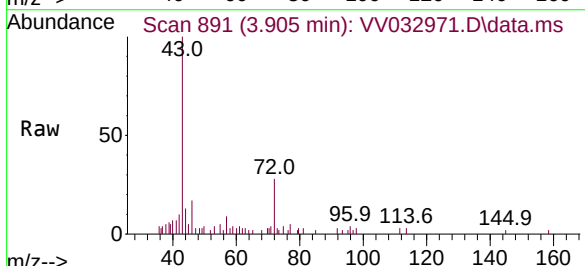
RT: 3.905 min Scan# 891

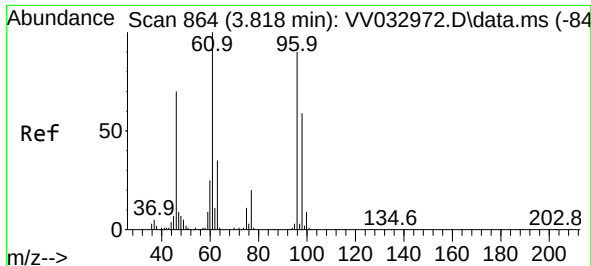
Delta R.T. 0.026 min

Lab File: VV032971.D

Acq: 16 Nov 2023 19:21

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 20173 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 72 17.6     | 13.4 40.1   |

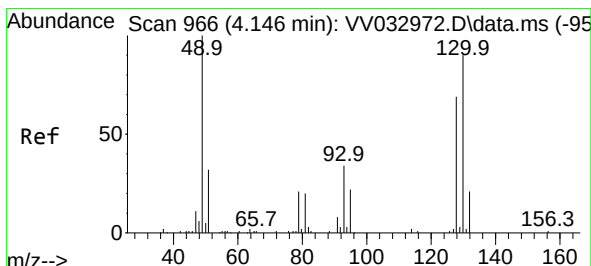
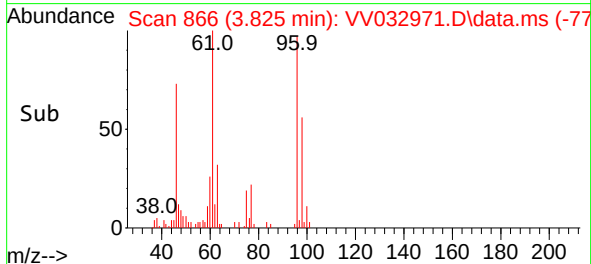
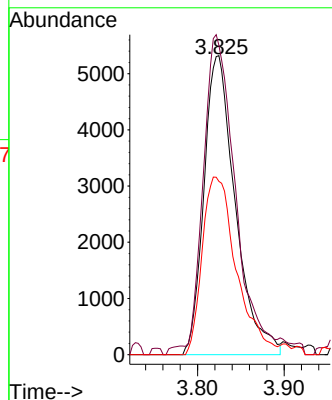
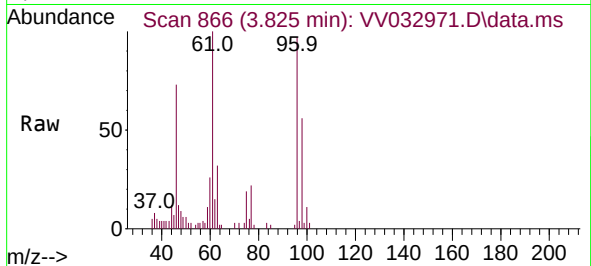




#22  
 cis-1,2-Dichloroethene  
 Concen: 0.967 ug/L  
 RT: 3.825 min Scan# 80  
 Delta R.T. 0.006 min  
 Lab File: VV032971.D  
 Acq: 16 Nov 2023 19:21

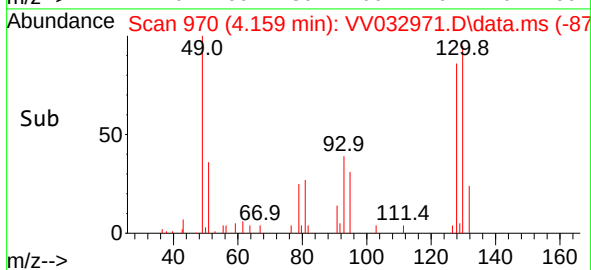
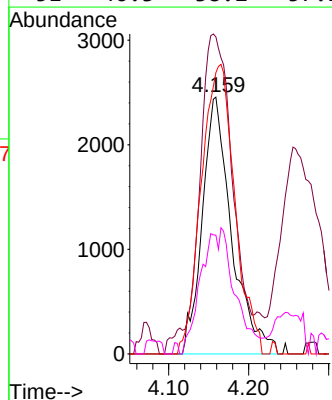
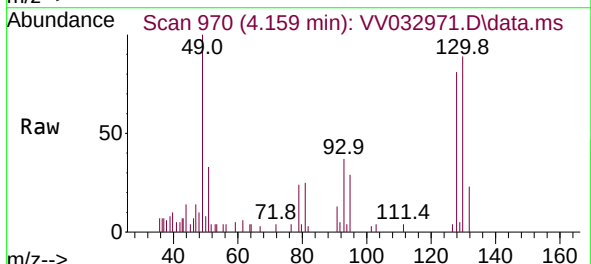
Instrument :  
 MSVOA\_V  
 ClientSampleId :

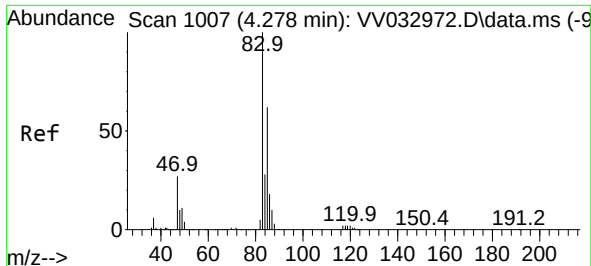
Tgt Ion: 96 Resp: 13413  
 Ion Ratio Lower Upper  
 96 100  
 61 103.4 77.8 144.6  
 98 58.0 45.4 84.4



#23  
 Bromochloromethane  
 Concen: 0.986 ug/L  
 RT: 4.159 min Scan# 970  
 Delta R.T. 0.013 min  
 Lab File: VV032971.D  
 Acq: 16 Nov 2023 19:21

Tgt Ion:128 Resp: 6273  
 Ion Ratio Lower Upper  
 128 100  
 49 123.5 101.6 188.8  
 130 109.6 91.7 170.3  
 51 46.3 38.2 57.2

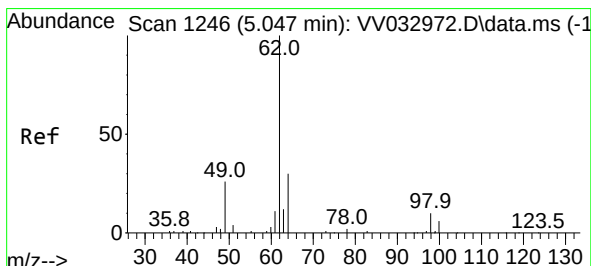
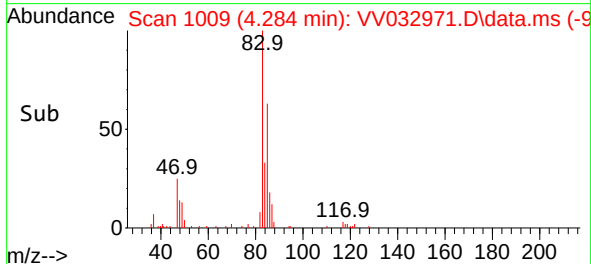
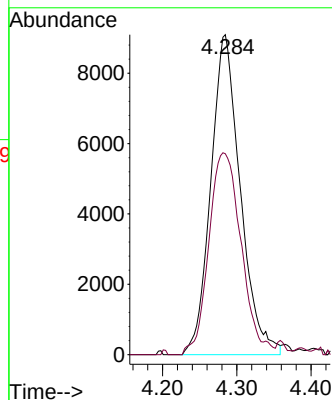
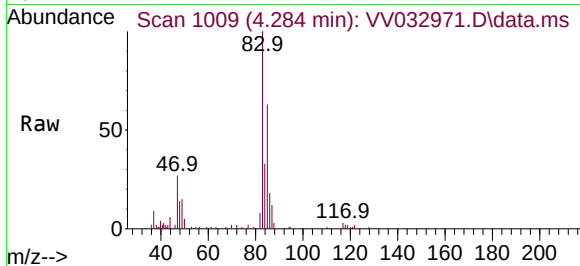




#25  
Chloroform  
Concen: 0.947 ug/L  
RT: 4.284 min Scan# 1009  
Delta R.T. 0.006 min  
Lab File: VV032971.D  
Acq: 16 Nov 2023 19:21

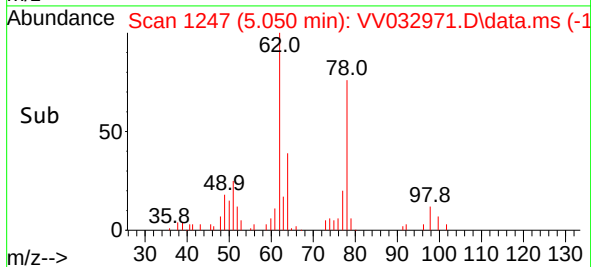
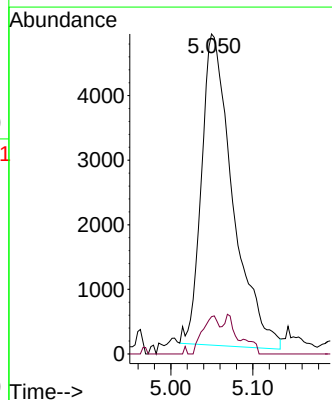
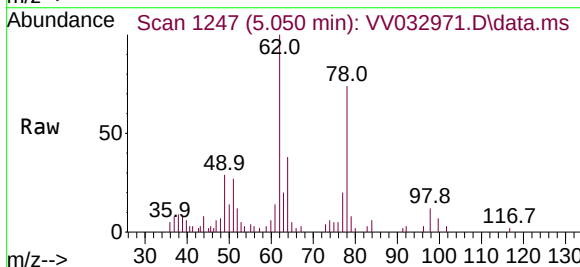
Instrument :  
MSVOA\_V  
ClientSampleId :

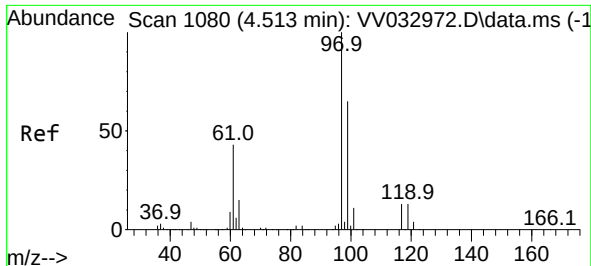
Tgt Ion: 83 Resp: 25100  
Ion Ratio Lower Upper  
83 100  
85 62.8 43.6 81.0



#27  
1,2-Dichloroethane  
Concen: 0.906 ug/L  
RT: 5.050 min Scan# 1247  
Delta R.T. 0.003 min  
Lab File: VV032971.D  
Acq: 16 Nov 2023 19:21

Tgt Ion: 62 Resp: 12773  
Ion Ratio Lower Upper  
62 100  
98 11.7 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 0.968 ug/L

RT: 4.516 min Scan# 1080

Delta R.T. 0.003 min

Lab File: VV032971.D

Acq: 16 Nov 2023 19:21

Instrument :

MSVOA\_V

ClientSampleId :

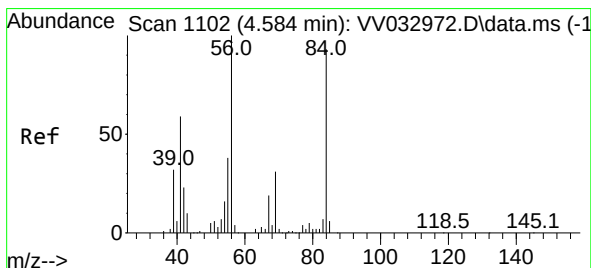
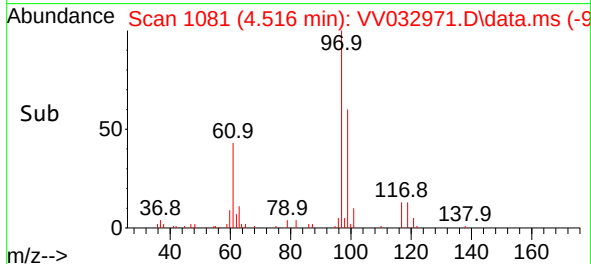
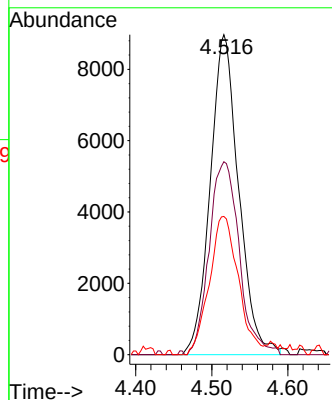
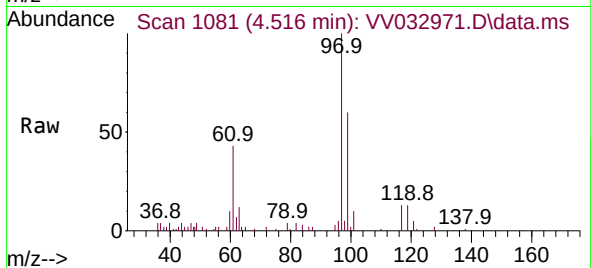
Tgt Ion: 97 Resp: 23322

Ion Ratio Lower Upper

97 100

99 63.7 51.4 77.2

61 44.1 34.2 51.2



#30

Cyclohexane

Concen: 0.868 ug/L

RT: 4.583 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VV032971.D

Acq: 16 Nov 2023 19:21

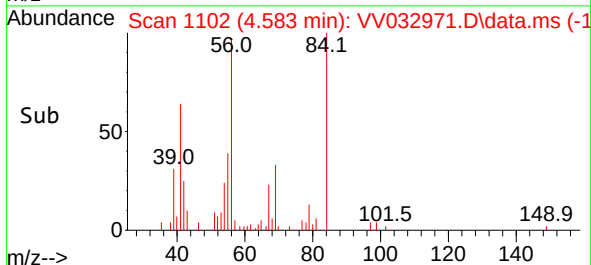
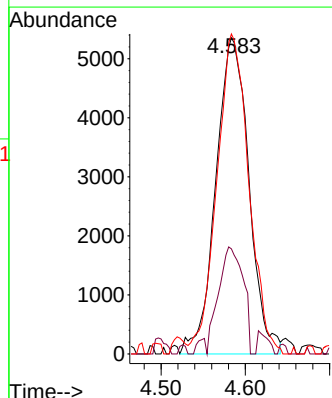
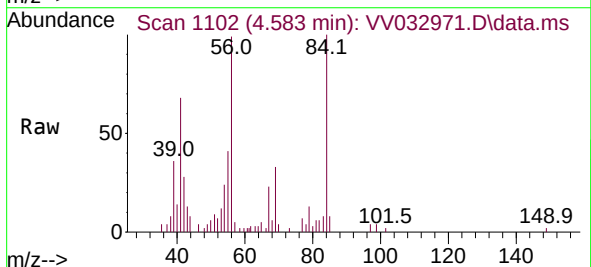
Tgt Ion: 56 Resp: 14590

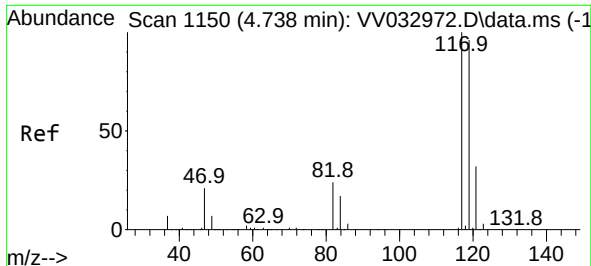
Ion Ratio Lower Upper

56 100

69 25.2 25.9 38.9#

84 97.5 77.5 116.3

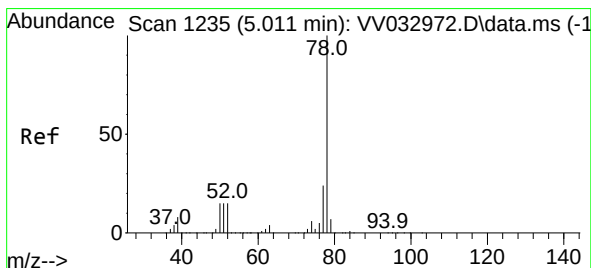
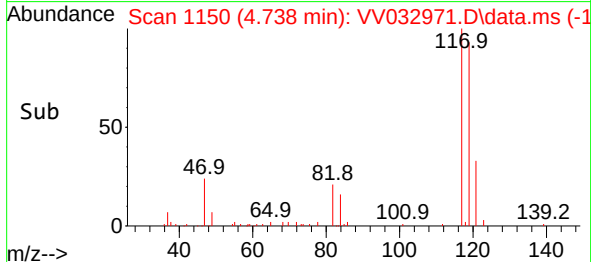
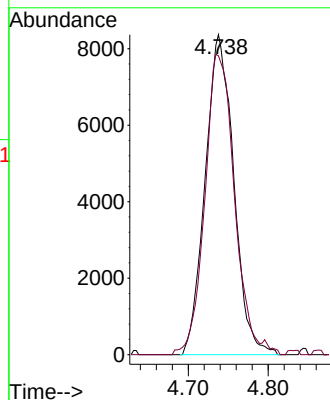
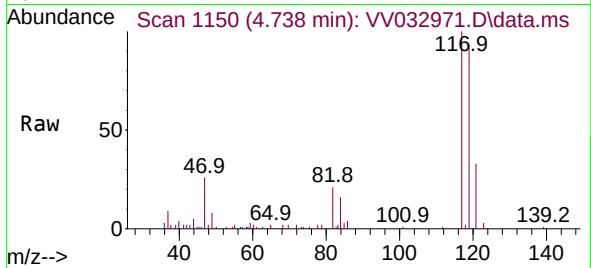




#31  
Carbon tetrachloride  
Concen: 0.993 ug/L  
RT: 4.738 min Scan# 1150  
Delta R.T. -0.000 min  
Lab File: VV032971.D  
Acq: 16 Nov 2023 19:21

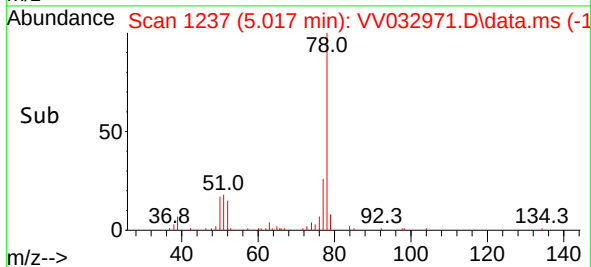
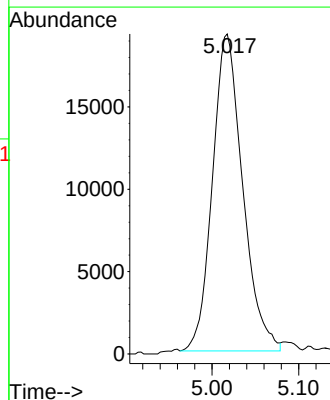
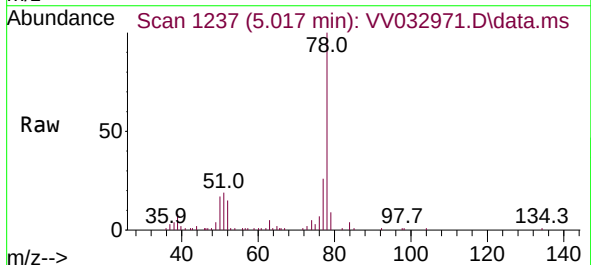
Instrument :  
MSVOA\_V  
ClientSampleId :

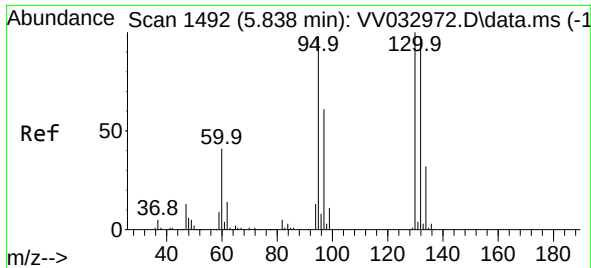
Tgt Ion:117 Resp: 20734  
Ion Ratio Lower Upper  
117 100  
119 97.9 76.8 115.2



#33  
Benzene  
Concen: 0.906 ug/L  
RT: 5.017 min Scan# 1237  
Delta R.T. 0.006 min  
Lab File: VV032971.D  
Acq: 16 Nov 2023 19:21

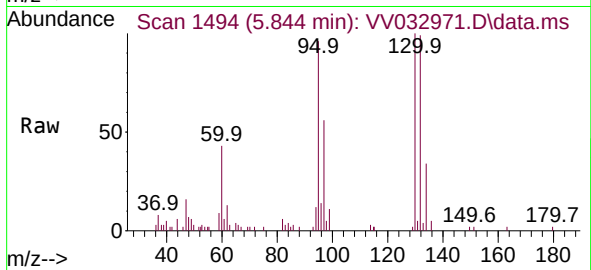
Tgt Ion: 78 Resp: 46703





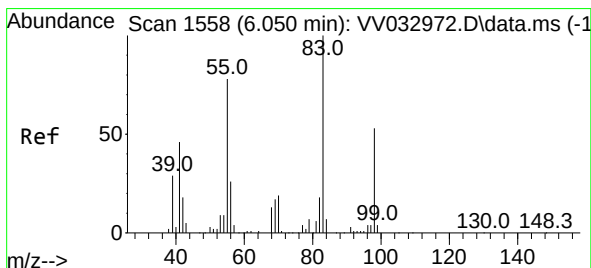
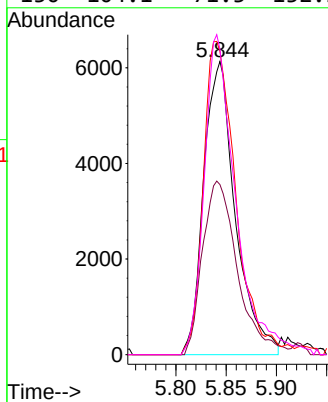
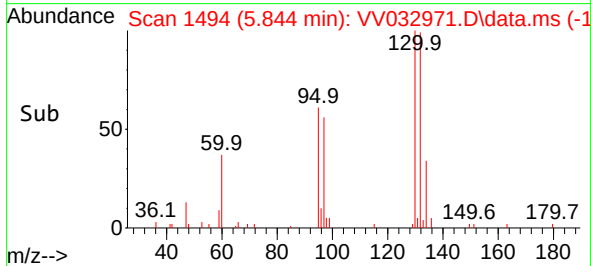
#34  
Trichloroethene  
Concen: 0.949 ug/L  
RT: 5.844 min Scan# 1494  
Delta R.T. 0.006 min  
Lab File: VV032971.D  
Acq: 16 Nov 2023 19:21

Instrument :  
MSVOA\_V  
ClientSampleId :



Tgt Ion: 95 Resp: 13457

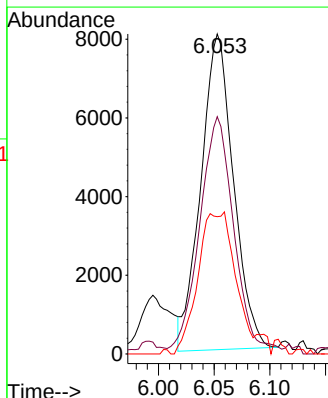
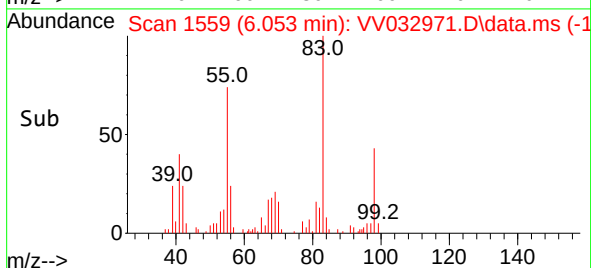
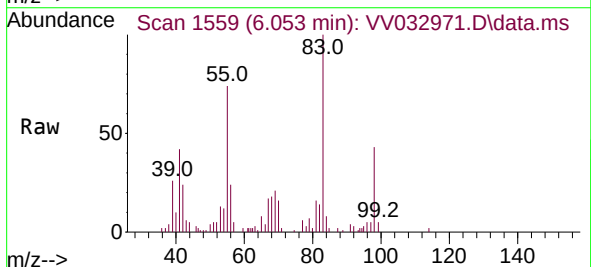
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 58.0  | 43.7  | 81.1  |
| 132 | 103.3 | 69.7  | 129.5 |
| 130 | 104.1 | 71.3  | 132.3 |



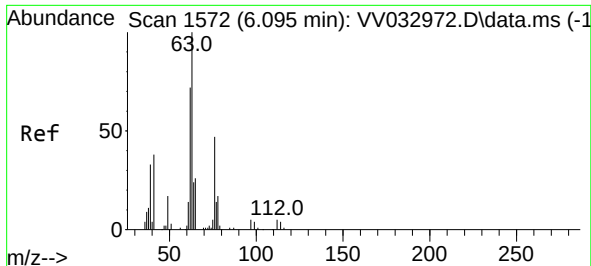
#35  
Methylcyclohexane  
Concen: 0.871 ug/L  
RT: 6.053 min Scan# 1559  
Delta R.T. 0.003 min  
Lab File: VV032971.D  
Acq: 16 Nov 2023 19:21

Tgt Ion: 83 Resp: 16353

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 78.3  | 57.6  | 86.4  |
| 98  | 51.1  | 39.0  | 58.4  |







#37

1,2-Dichloropropane

Concen: 0.946 ug/L

RT: 6.098 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV032971.D

Acq: 16 Nov 2023 19:21

Instrument :

MSVOA\_V

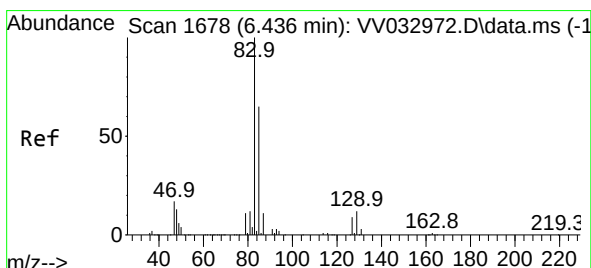
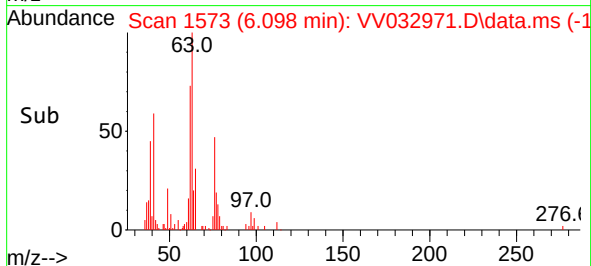
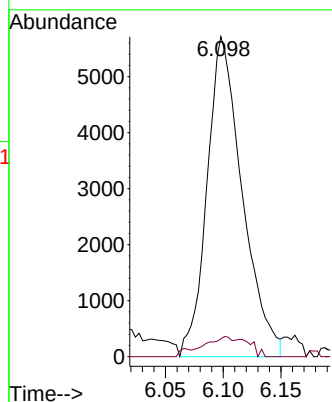
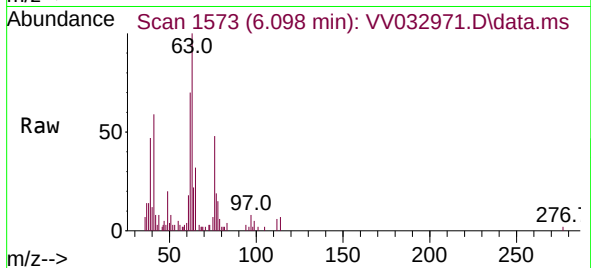
ClientSampleId :

Tgt Ion: 63 Resp: 12112

Ion Ratio Lower Upper

63 100

112 3.0 4.1 6.1#



#38

Bromodichloromethane

Concen: 0.944 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. 0.006 min

Lab File: VV032971.D

Acq: 16 Nov 2023 19:21

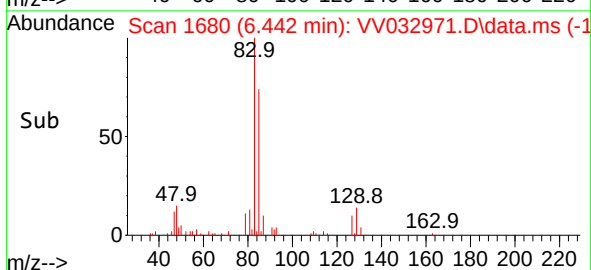
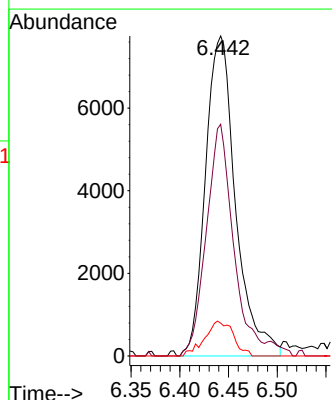
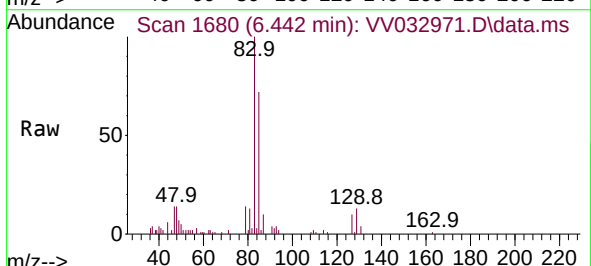
Tgt Ion: 83 Resp: 16685

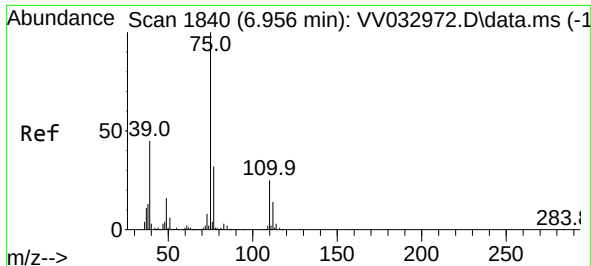
Ion Ratio Lower Upper

83 100

85 72.4 45.4 84.4

127 10.2 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 0.853 ug/L

RT: 6.963 min Scan# 11

Delta R.T. 0.006 min

Lab File: VV032971.D

Acq: 16 Nov 2023 19:21

Instrument :

MSVOA\_V

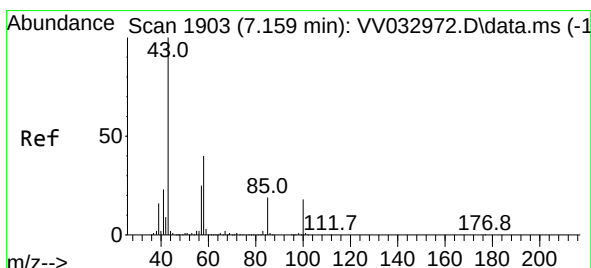
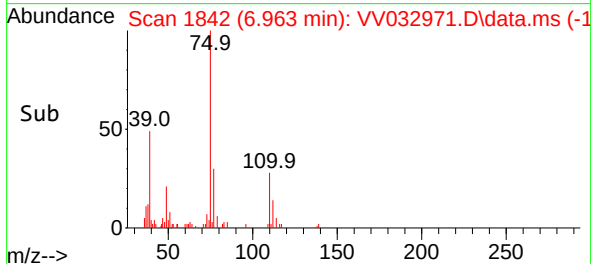
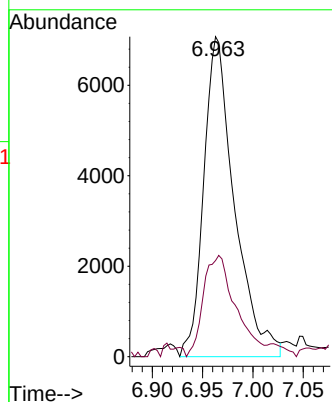
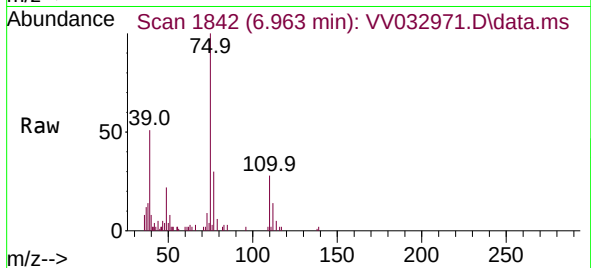
ClientSampleId :

Tgt Ion: 75 Resp: 14989

Ion Ratio Lower Upper

75 100

77 30.0 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 7.925 ug/L

RT: 7.165 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VV032971.D

Acq: 16 Nov 2023 19:21

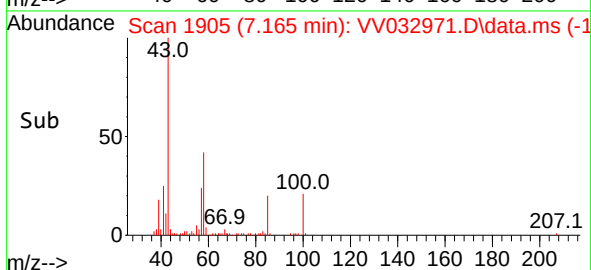
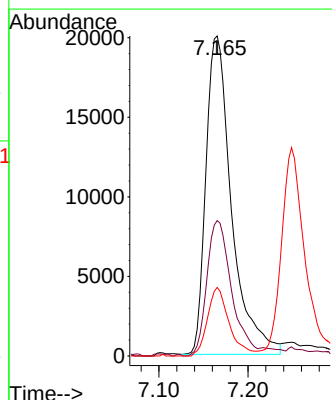
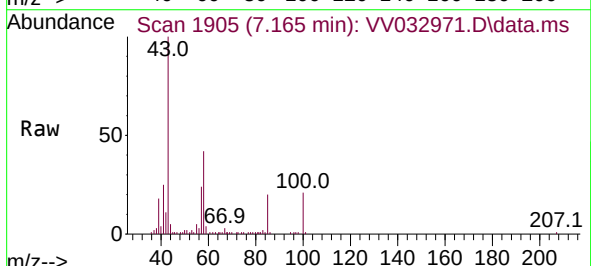
Tgt Ion: 43 Resp: 40057

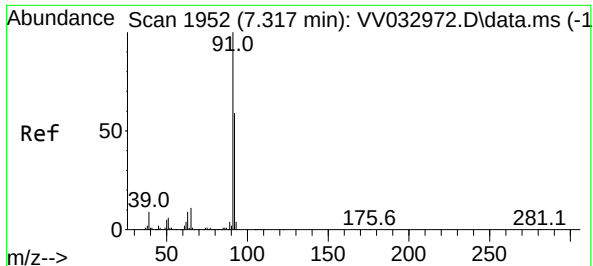
Ion Ratio Lower Upper

43 100

58 40.9 31.7 47.5

100 18.1 14.2 21.2

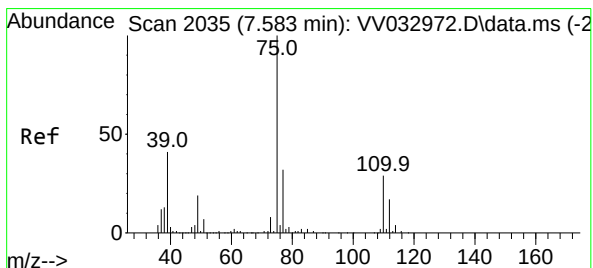
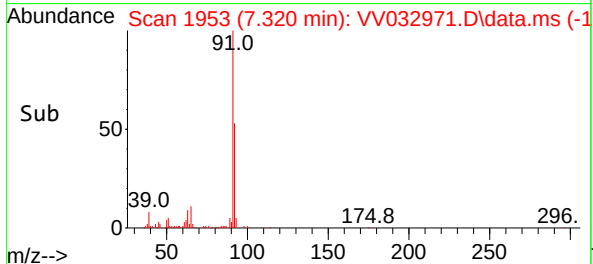
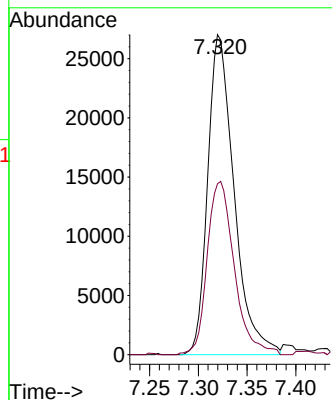
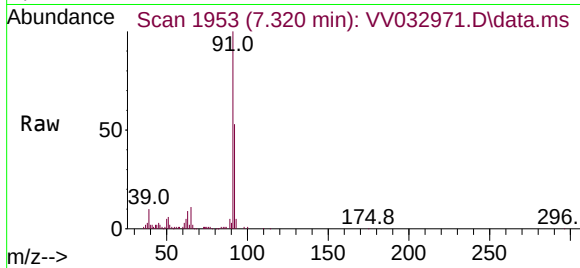




#42  
Toluene  
Concen: 0.908 ug/L  
RT: 7.320 min Scan# 1952  
Delta R.T. 0.003 min  
Lab File: VV032971.D  
Acq: 16 Nov 2023 19:21

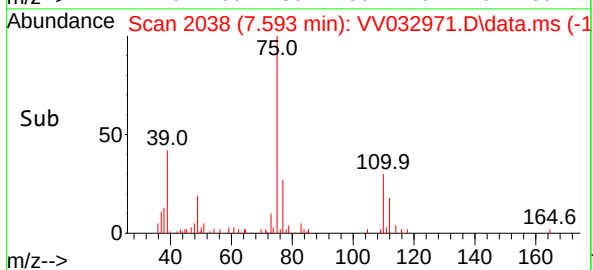
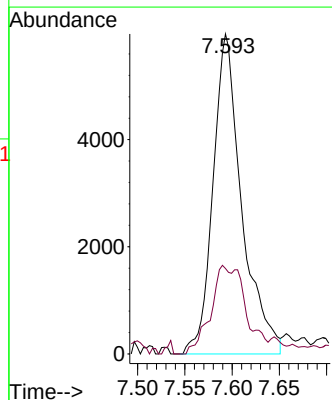
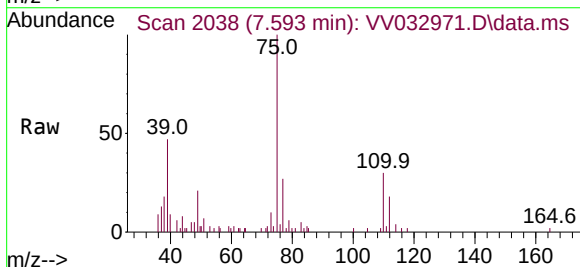
Instrument :  
MSVOA\_V  
ClientSampleId :

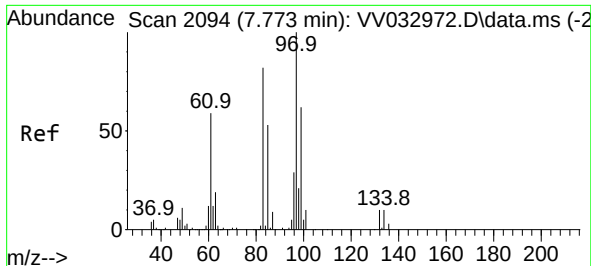
Tgt Ion: 91 Resp: 50903  
Ion Ratio Lower Upper  
91 100  
92 53.4 41.3 76.7



#44  
trans-1,3-Dichloropropene  
Concen: 0.892 ug/L  
RT: 7.593 min Scan# 2038  
Delta R.T. 0.010 min  
Lab File: VV032971.D  
Acq: 16 Nov 2023 19:21

Tgt Ion: 75 Resp: 12610  
Ion Ratio Lower Upper  
75 100  
77 26.7 22.9 42.5

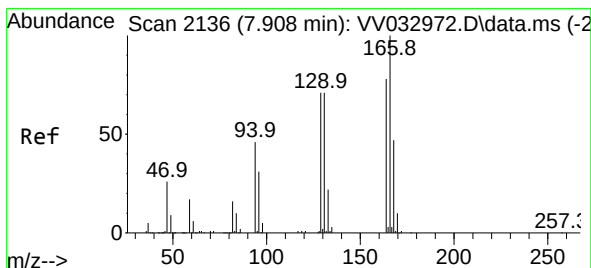
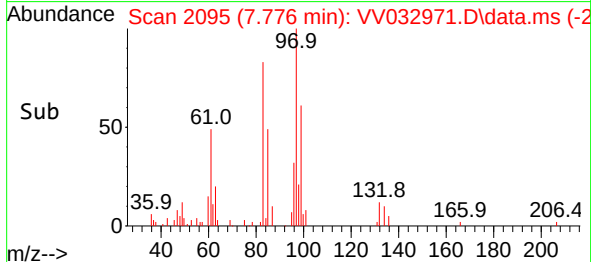
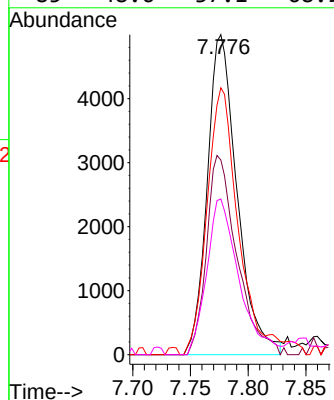
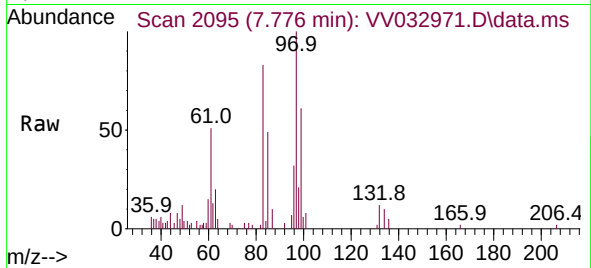




#45  
1,1,2-Trichloroethane  
Concen: 0.976 ug/L  
RT: 7.776 min Scan# 2094  
Delta R.T. 0.003 min  
Lab File: VV032971.D  
Acq: 16 Nov 2023 19:21

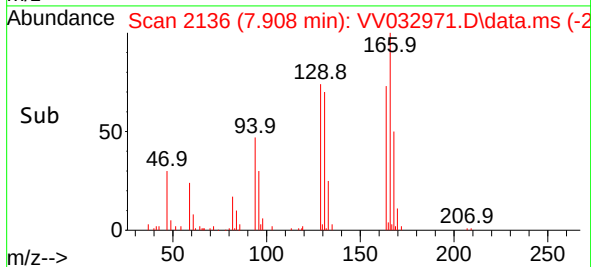
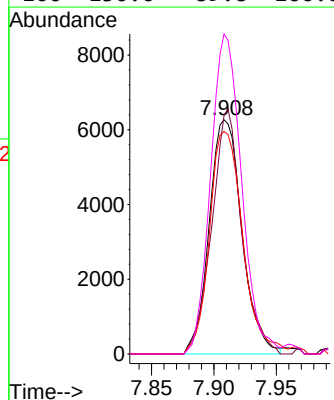
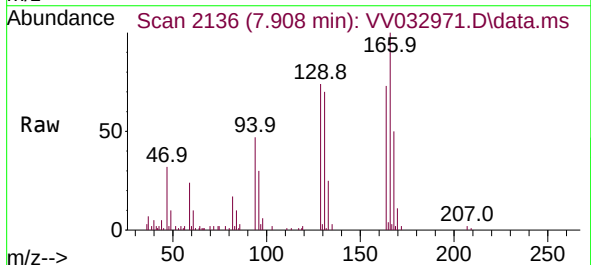
Instrument :  
MSVOA\_V  
ClientSampleId :

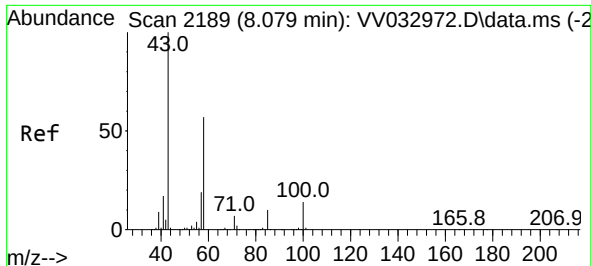
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 8998  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 60.9  | 43.0  | 80.0  |
| 83       | 83.4  | 57.3  | 106.5 |
| 85       | 48.6  | 37.1  | 68.9  |



#47  
Tetrachloroethene  
Concen: 0.956 ug/L  
RT: 7.908 min Scan# 2136  
Delta R.T. -0.000 min  
Lab File: VV032971.D  
Acq: 16 Nov 2023 19:21

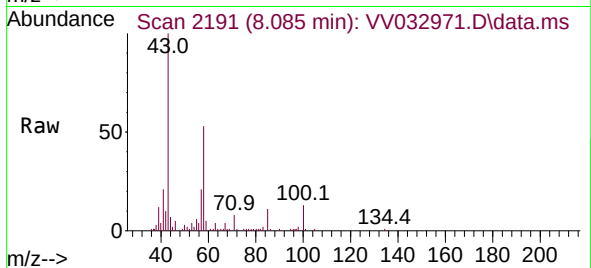
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 11421 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 101.8 | 64.2  | 119.2 |
| 131      | 95.0  | 63.5  | 117.9 |
| 166      | 136.6 | 89.8  | 166.8 |



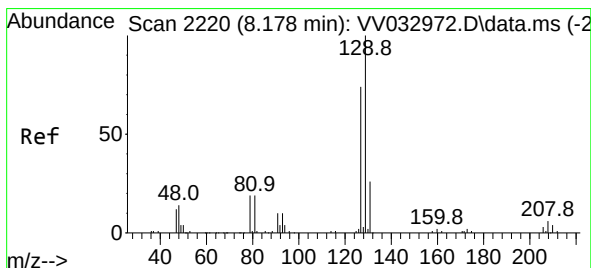
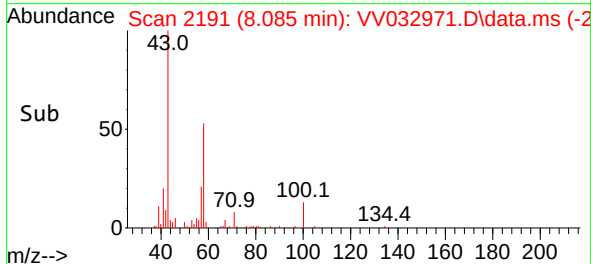
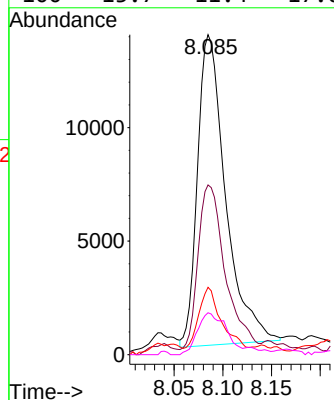


#48  
2-Hexanone  
Concen: 7.402 ug/L  
RT: 8.085 min Scan# 2189  
Delta R.T. 0.006 min  
Lab File: VV032971.D  
Acq: 16 Nov 2023 19:21

Instrument :  
MSVOA\_V  
ClientSampleId :

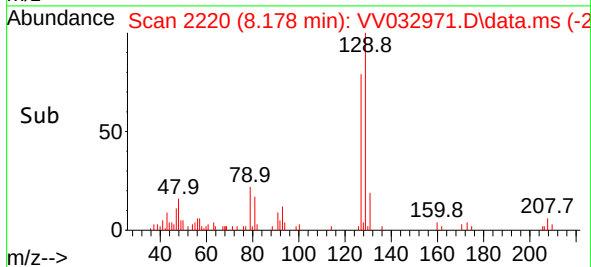
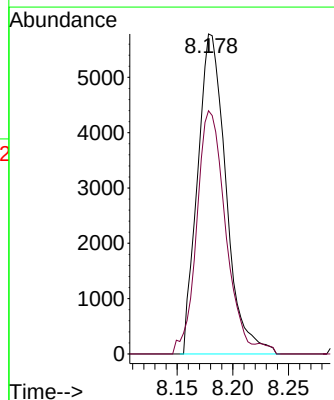
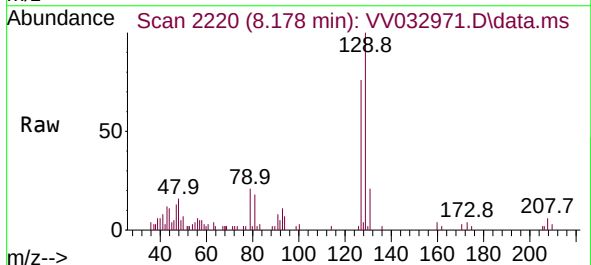


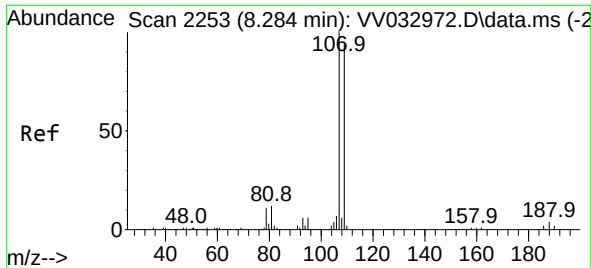
Tgt Ion: 43 Resp: 27478  
Ion Ratio Lower Upper  
43 100  
58 53.0 44.9 67.3  
57 16.3 15.1 22.7  
100 13.7 11.4 17.0



#49  
Dibromochloromethane  
Concen: 0.927 ug/L  
RT: 8.178 min Scan# 2220  
Delta R.T. -0.000 min  
Lab File: VV032971.D  
Acq: 16 Nov 2023 19:21

Tgt Ion: 129 Resp: 10255  
Ion Ratio Lower Upper  
129 100  
127 76.0 51.6 95.8

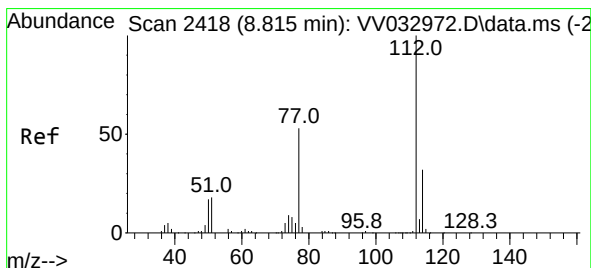
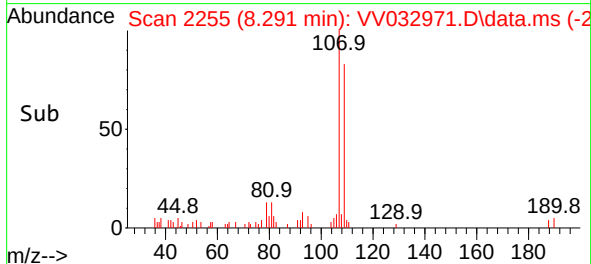
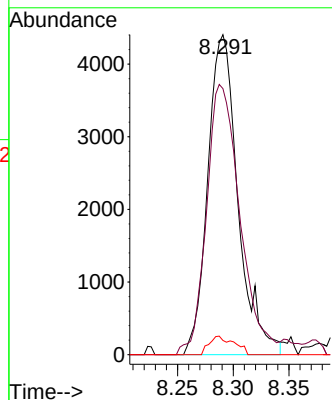
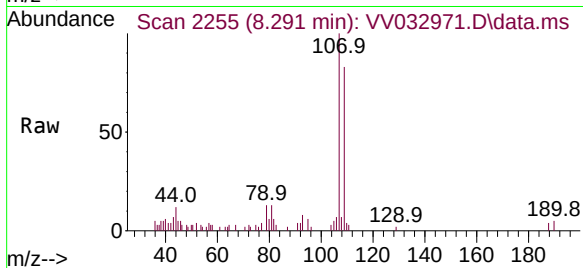




#50  
1,2-Dibromoethane  
Concen: 0.944 ug/L  
RT: 8.291 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VV032971.D  
Acq: 16 Nov 2023 19:21

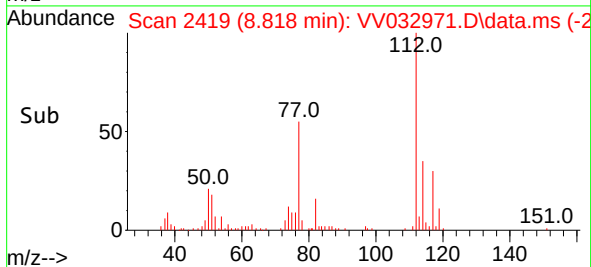
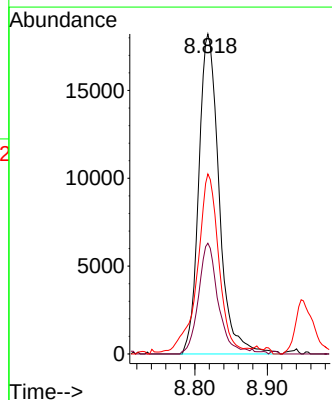
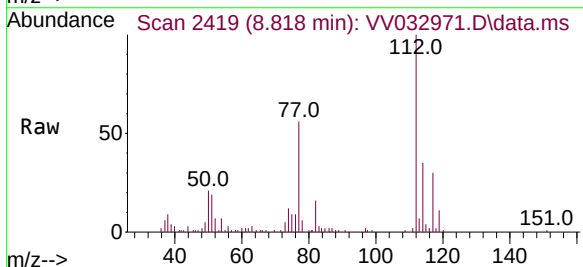
Instrument :  
MSVOA\_V  
ClientSampleId :

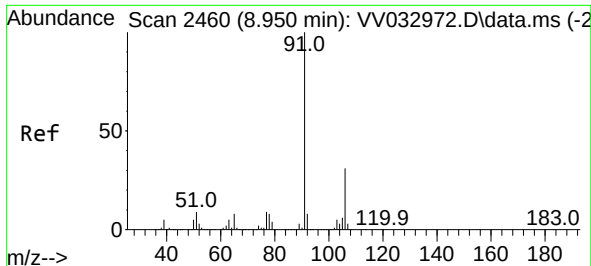
Tgt Ion:107 Resp: 8324  
Ion Ratio Lower Upper  
107 100  
109 83.1 65.6 121.8  
188 4.5 2.9 4.3#



#51  
Chlorobenzene  
Concen: 0.945 ug/L  
RT: 8.818 min Scan# 2419  
Delta R.T. 0.003 min  
Lab File: VV032971.D  
Acq: 16 Nov 2023 19:21

Tgt Ion:112 Resp: 35560  
Ion Ratio Lower Upper  
112 100  
114 34.6 22.3 41.5  
77 56.3 42.6 64.0





#52

Ethylbenzene

Concen: 0.877 ug/L

RT: 8.950 min Scan# 2460

Delta R.T. -0.000 min

Lab File: VV032971.D

Acq: 16 Nov 2023 19:21

Instrument :

MSVOA\_V

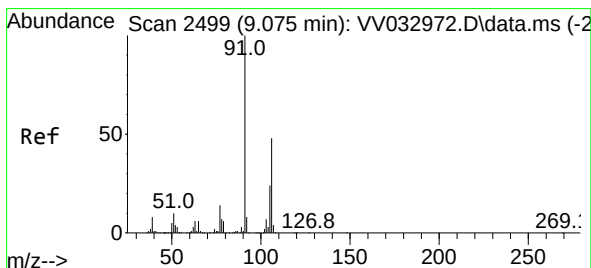
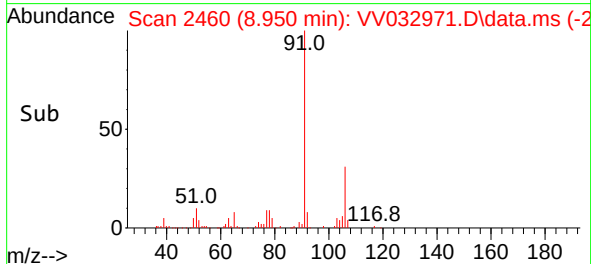
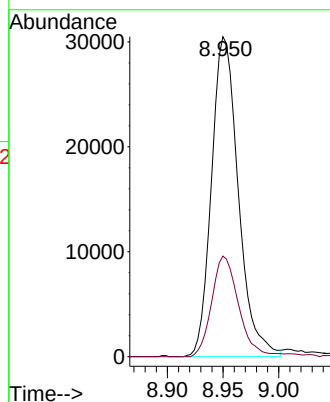
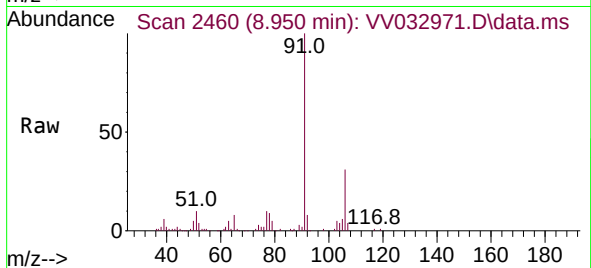
ClientSampleId :

Tgt Ion: 91 Resp: 51097

Ion Ratio Lower Upper

91 100

106 31.5 21.7 40.3



#53

m,p-Xylene

Concen: 0.842 ug/L

RT: 9.078 min Scan# 2500

Delta R.T. 0.003 min

Lab File: VV032971.D

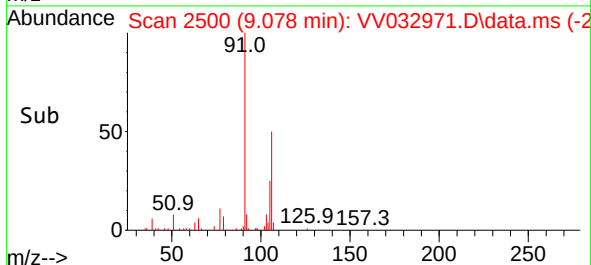
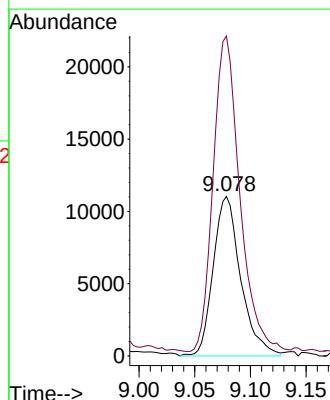
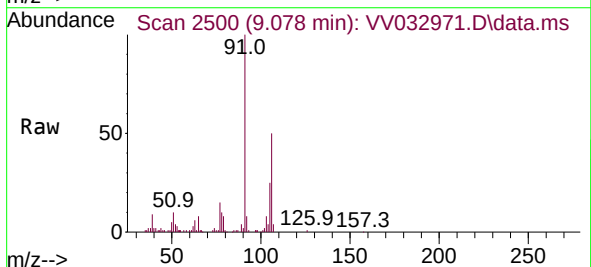
Acq: 16 Nov 2023 19:21

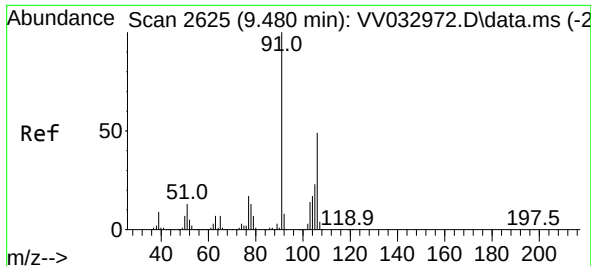
Tgt Ion: 106 Resp: 18954

Ion Ratio Lower Upper

106 100

91 200.6 145.5 270.3

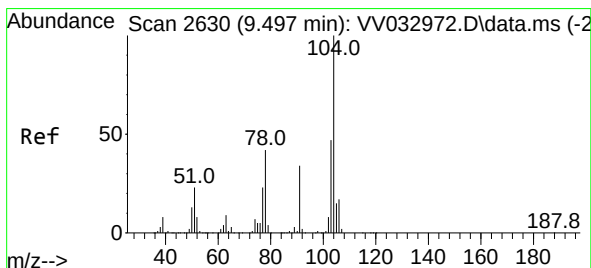
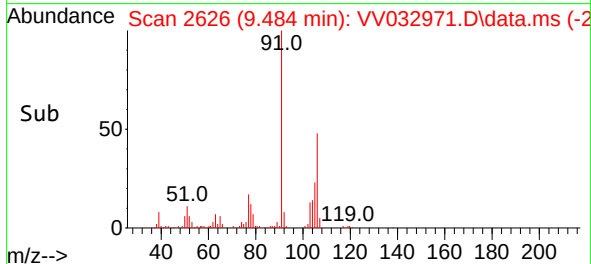
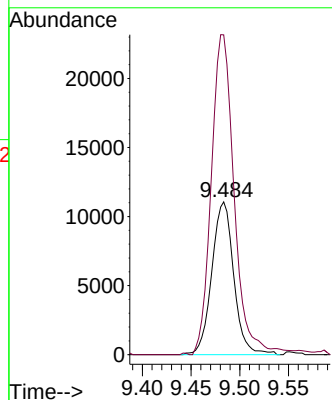
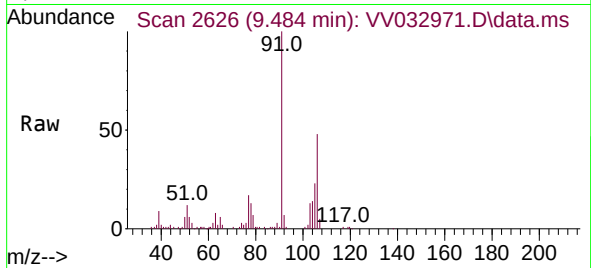




#54  
o-Xylene  
Concen: 0.806 ug/L  
RT: 9.484 min Scan# 2625  
Delta R.T. 0.003 min  
Lab File: VV032971.D  
Acq: 16 Nov 2023 19:21

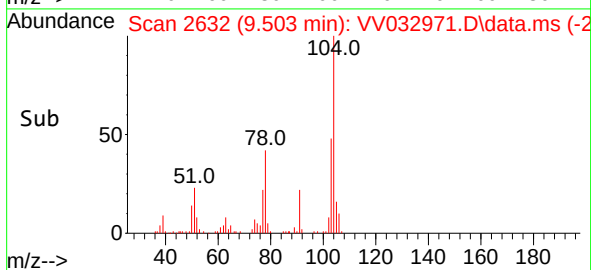
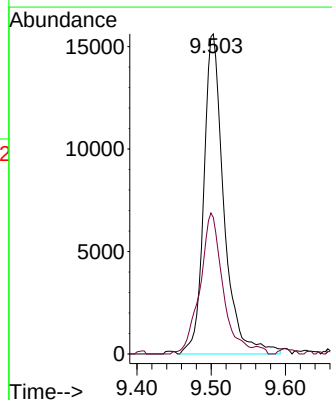
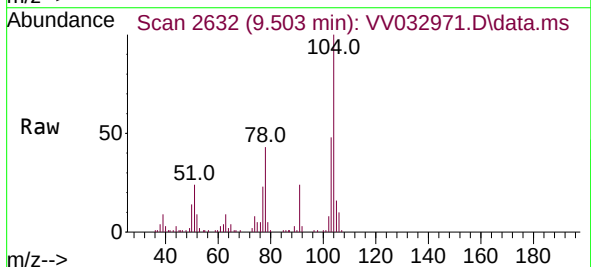
Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion:106 Resp: 17338  
Ion Ratio Lower Upper  
106 100  
91 209.3 142.4 264.4

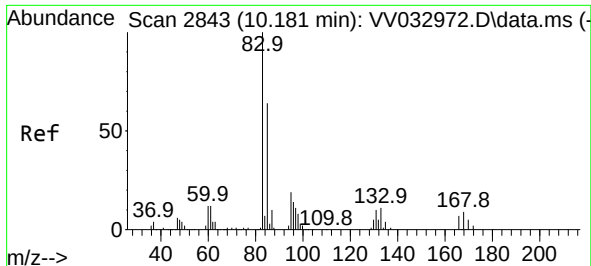


#55  
Styrene  
Concen: 0.793 ug/L  
RT: 9.503 min Scan# 2632  
Delta R.T. 0.006 min  
Lab File: VV032971.D  
Acq: 16 Nov 2023 19:21

Tgt Ion:104 Resp: 29344  
Ion Ratio Lower Upper  
104 100  
78 42.6 29.8 55.4



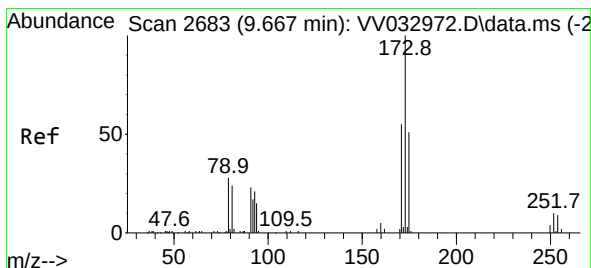
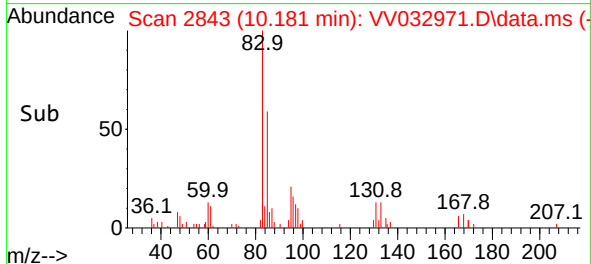
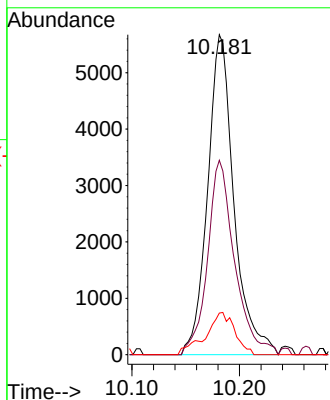
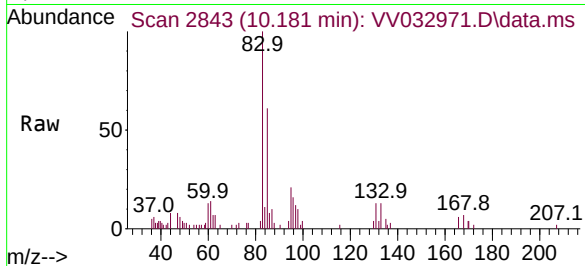




#57  
1,1,2,2-Tetrachloroethane  
Concen: 0.938 ug/L  
RT: 10.181 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VV032971.D  
Acq: 16 Nov 2023 19:21

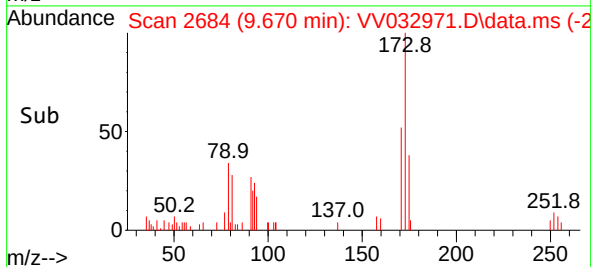
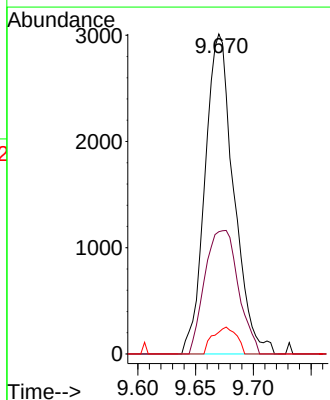
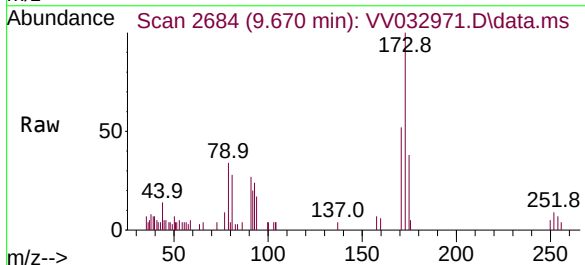
Instrument :  
MSVOA\_V  
ClientSampleId :

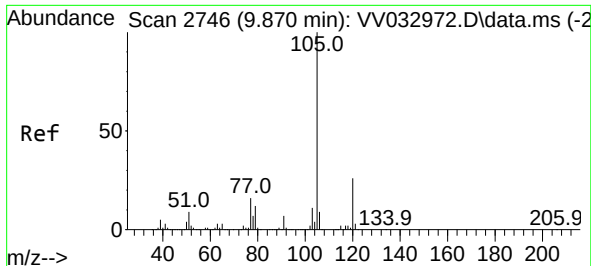
Tgt Ion: 83 Resp: 9650  
Ion Ratio Lower Upper  
83 100  
85 60.8 44.7 83.1  
131 13.0 8.0 12.0#



#59  
Bromoform  
Concen: 0.949 ug/L  
RT: 9.670 min Scan# 2684  
Delta R.T. 0.003 min  
Lab File: VV032971.D  
Acq: 16 Nov 2023 19:21

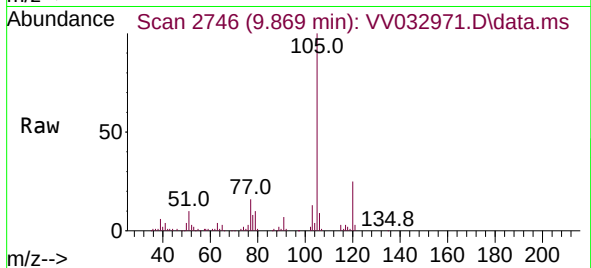
Tgt Ion: 173 Resp: 5219  
Ion Ratio Lower Upper  
173 100  
175 44.9 39.0 58.4  
254 6.9 6.4 9.6



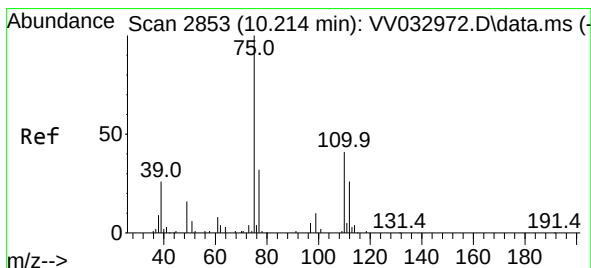
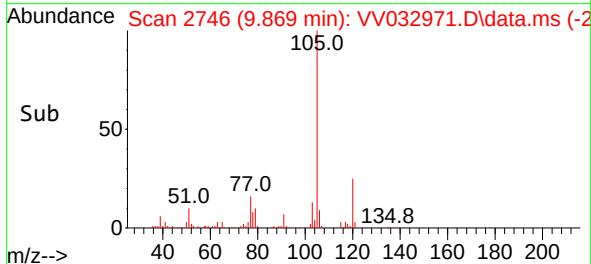
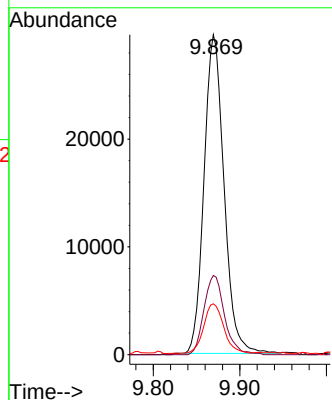


#60  
Isopropylbenzene  
Concen: 0.877 ug/L  
RT: 9.869 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VV032971.D  
Acq: 16 Nov 2023 19:21

Instrument :  
MSVOA\_V  
ClientSampleId :

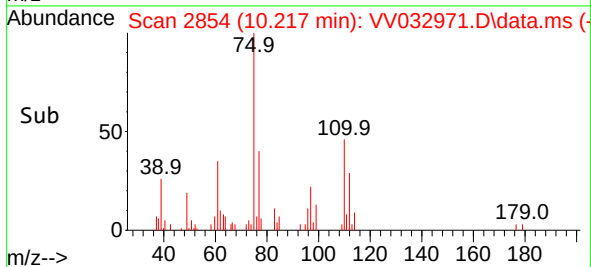
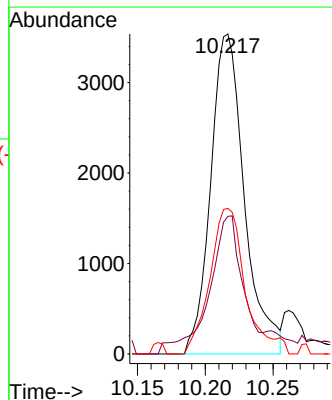
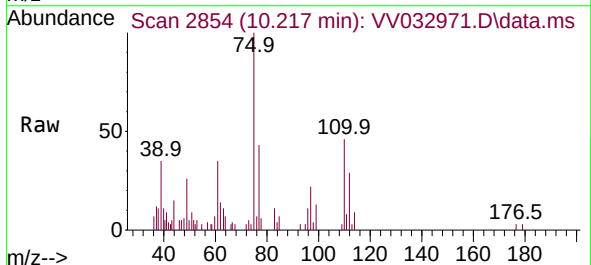


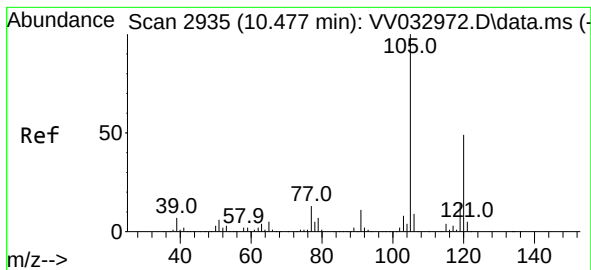
Tgt Ion:105 Resp: 47363  
Ion Ratio Lower Upper  
105 100  
120 25.6 20.6 31.0  
77 15.8 12.6 19.0



#61  
1,2,3-Trichloropropane  
Concen: 0.960 ug/L  
RT: 10.217 min Scan# 2854  
Delta R.T. 0.003 min  
Lab File: VV032971.D  
Acq: 16 Nov 2023 19:21

Tgt Ion: 75 Resp: 6115  
Ion Ratio Lower Upper  
75 100  
77 43.3 25.0 37.4#  
110 47.8 35.6 53.4

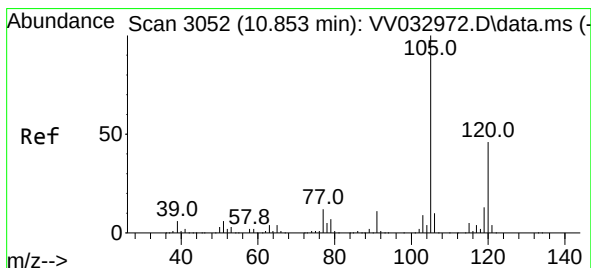
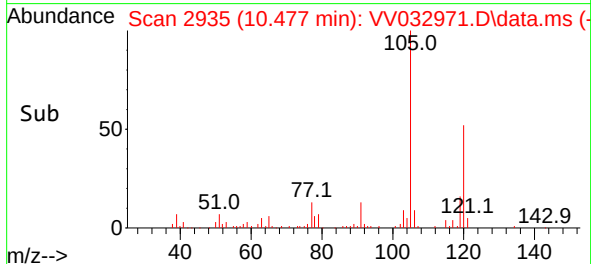
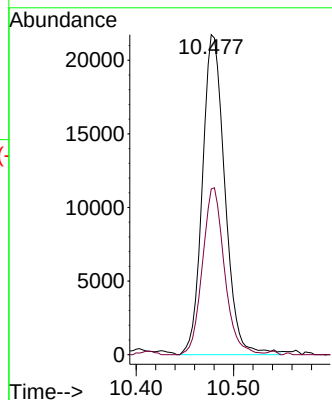
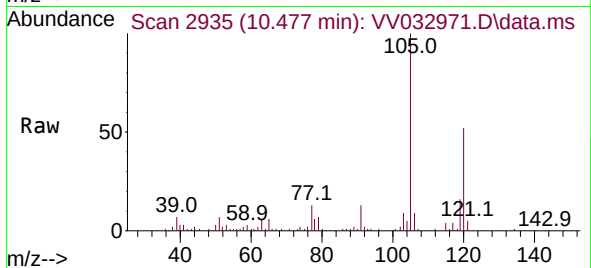




#62  
1,3,5-Trimethylbenzene  
Concen: 0.823 ug/L  
RT: 10.477 min Scan# 2935  
Delta R.T. -0.000 min  
Lab File: VV032971.D  
Acq: 16 Nov 2023 19:21

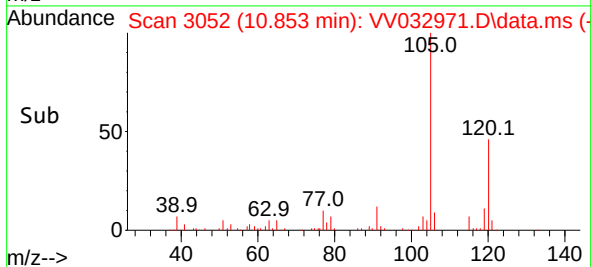
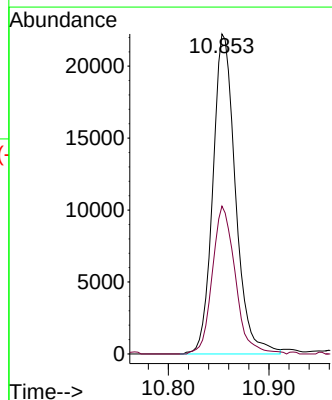
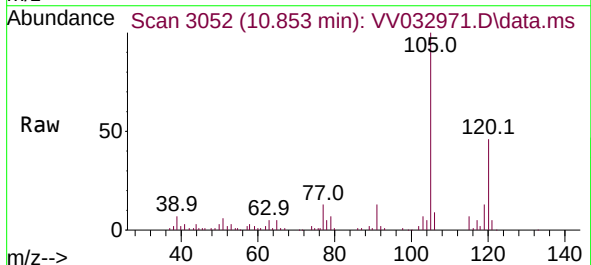
Instrument :  
MSVOA\_V  
ClientSampleId :

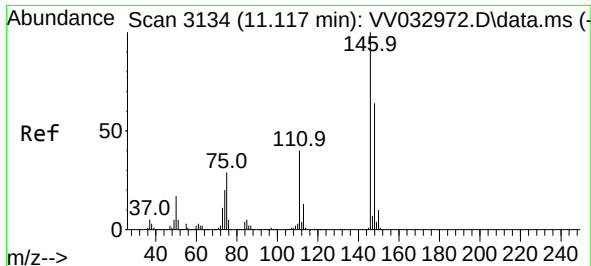
Tgt Ion:105 Resp: 34830  
Ion Ratio Lower Upper  
105 100  
120 51.3 39.7 59.5



#63  
1,2,4-Trimethylbenzene  
Concen: 0.816 ug/L  
RT: 10.853 min Scan# 3052  
Delta R.T. -0.000 min  
Lab File: VV032971.D  
Acq: 16 Nov 2023 19:21

Tgt Ion:105 Resp: 34814  
Ion Ratio Lower Upper  
105 100  
120 46.9 36.6 55.0

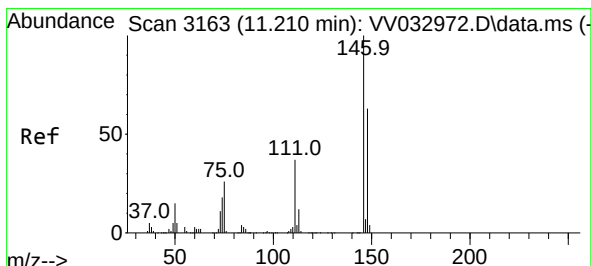
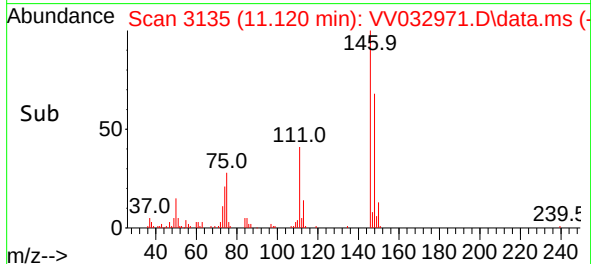
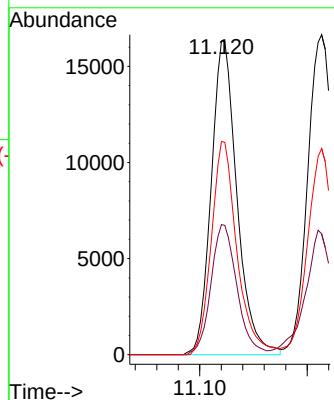
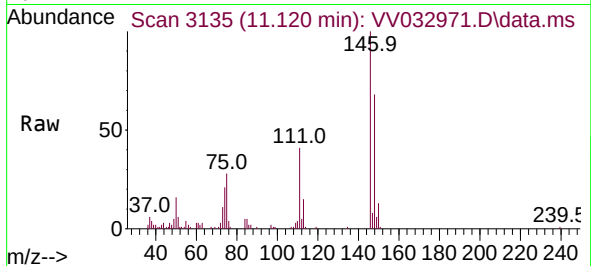




#64  
1,3-Dichlorobenzene  
Concen: 0.948 ug/L  
RT: 11.120 min Scan# 3135  
Delta R.T. 0.003 min  
Lab File: VV032971.D  
Acq: 16 Nov 2023 19:21

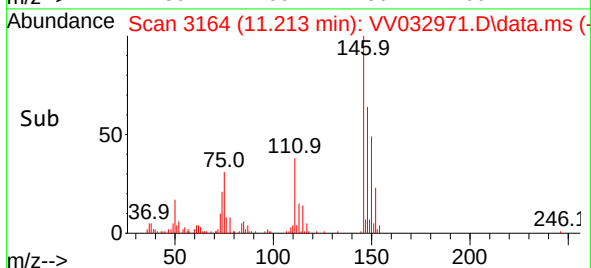
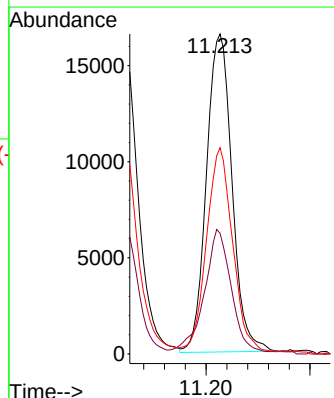
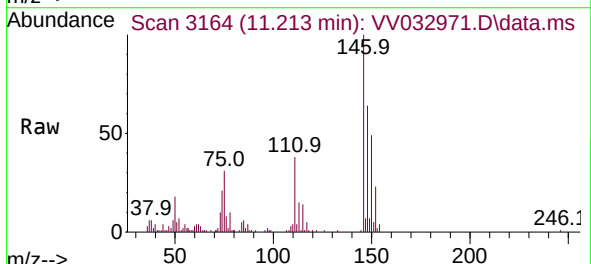
Instrument :  
MSVOA\_V  
ClientSampleId :

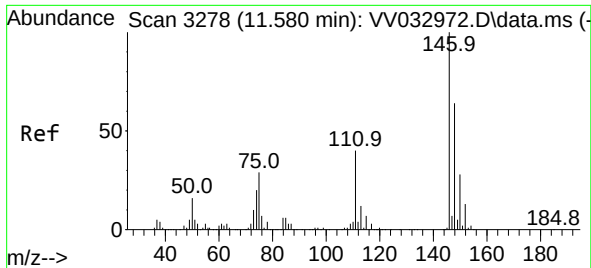
Tgt Ion:146 Resp: 27182  
Ion Ratio Lower Upper  
146 100  
111 41.5 27.8 51.6  
148 68.0 44.5 82.7



#65  
1,4-Dichlorobenzene  
Concen: 0.965 ug/L  
RT: 11.213 min Scan# 3164  
Delta R.T. 0.003 min  
Lab File: VV032971.D  
Acq: 16 Nov 2023 19:21

Tgt Ion:146 Resp: 28260  
Ion Ratio Lower Upper  
146 100  
111 37.8 25.8 48.0  
148 64.4 44.4 82.4

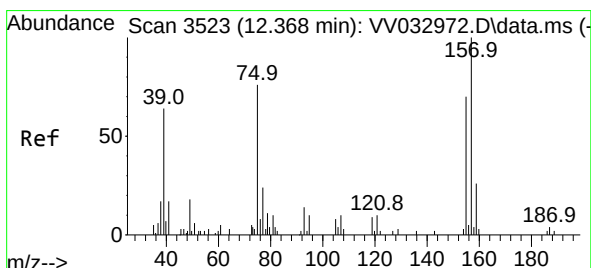
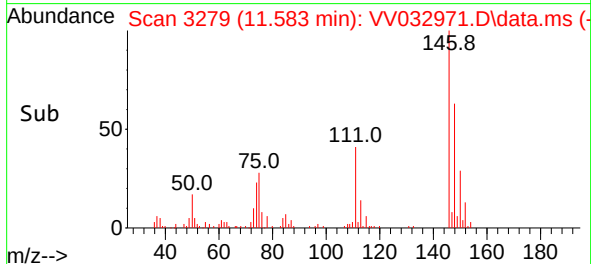
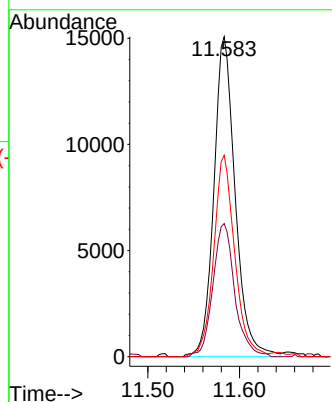
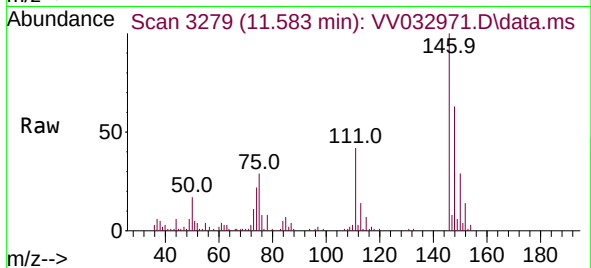




#67  
1,2-Dichlorobenzene  
Concen: 0.954 ug/L  
RT: 11.583 min Scan# 311  
Delta R.T. 0.003 min  
Lab File: VV032971.D  
Acq: 16 Nov 2023 19:21

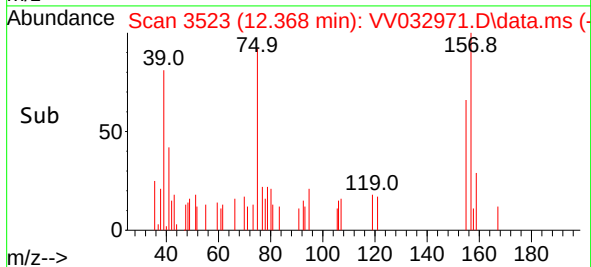
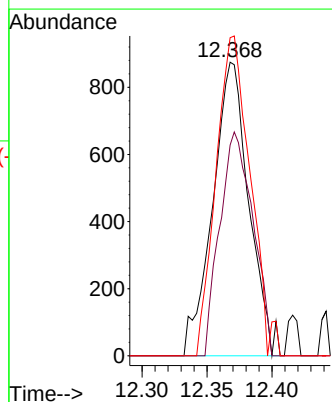
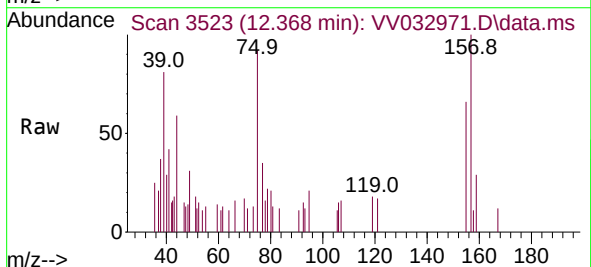
Instrument :  
MSVOA\_V  
ClientSampleId :

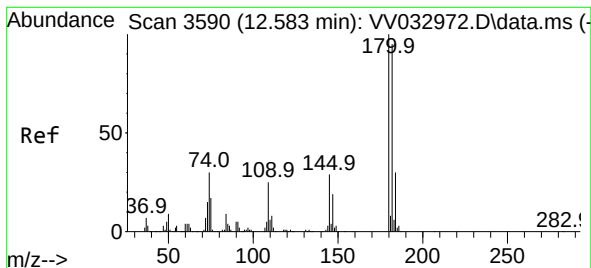
Tgt Ion:146 Resp: 24431  
Ion Ratio Lower Upper  
146 100  
111 41.6 31.8 47.8  
148 62.9 51.6 77.4



#68  
1,2-Dibromo-3-chloropropane  
Concen: 1.107 ug/L  
RT: 12.368 min Scan# 3523  
Delta R.T. -0.000 min  
Lab File: VV032971.D  
Acq: 16 Nov 2023 19:21

Tgt Ion: 75 Resp: 1690  
Ion Ratio Lower Upper  
75 100  
155 71.8 71.8 107.8#  
157 108.3 102.2 153.2





#69

1,3,5-Trichlorobenzene

Concen: 0.952 ug/L

RT: 12.586 min Scan# 3591

Delta R.T. 0.003 min

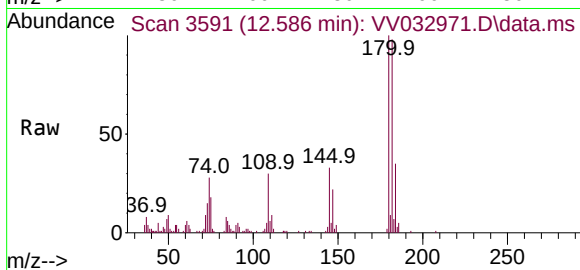
Lab File: VV032971.D

Acq: 16 Nov 2023 19:21

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion:180 Resp: 20274

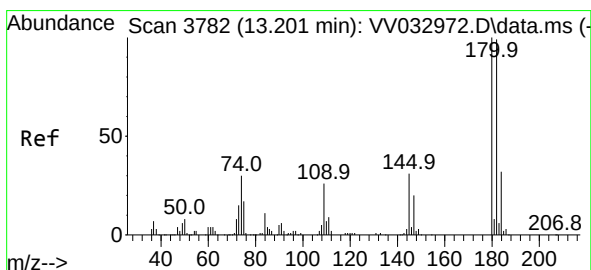
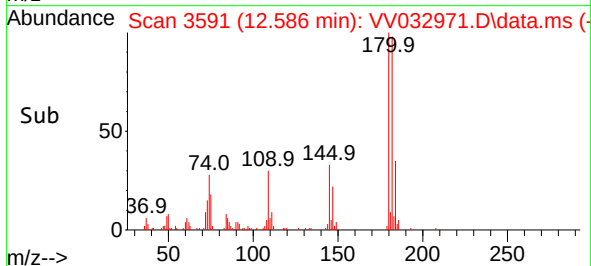
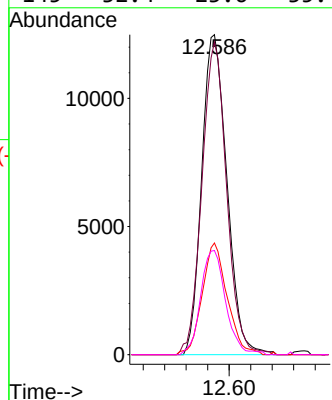
Ion Ratio Lower Upper

180 100

182 95.8 76.2 114.2

184 34.7 24.2 36.4

145 32.4 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 0.911 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. 0.003 min

Lab File: VV032971.D

Acq: 16 Nov 2023 19:21

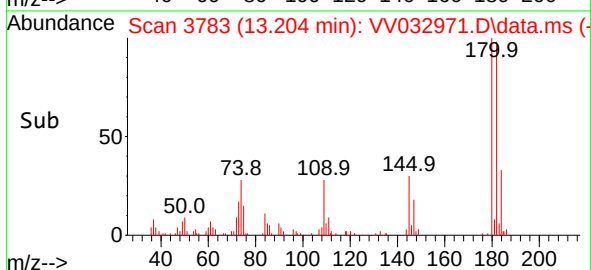
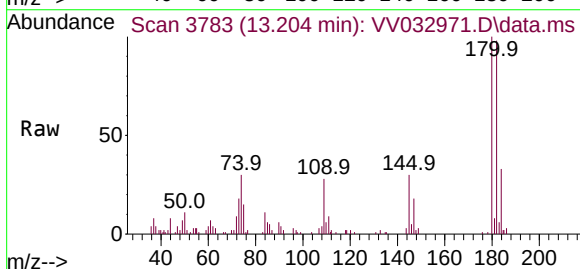
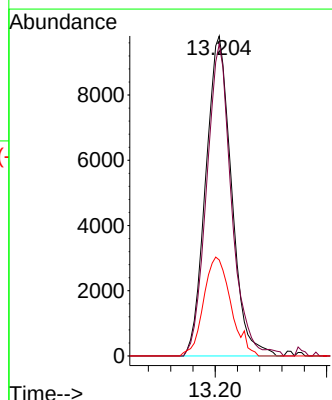
Tgt Ion:180 Resp: 15743

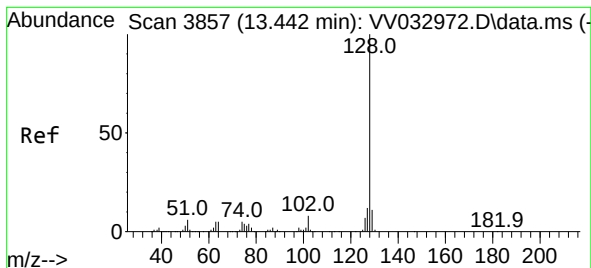
Ion Ratio Lower Upper

180 100

182 94.3 77.4 116.2

145 32.7 25.1 37.7





#71

Naphthalene

Concen: 0.865 ug/L

RT: 13.445 min Scan# 3857

Delta R.T. 0.003 min

Lab File: VV032971.D

Acq: 16 Nov 2023 19:21

Instrument :

MSVOA\_V

ClientSampleId :

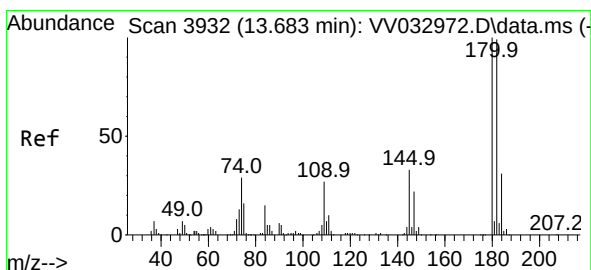
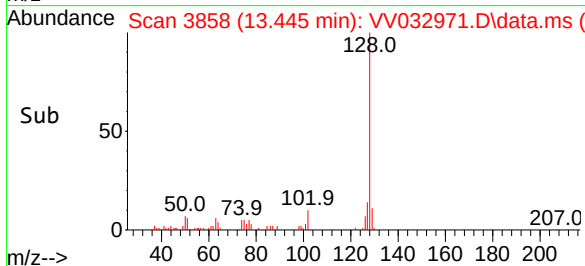
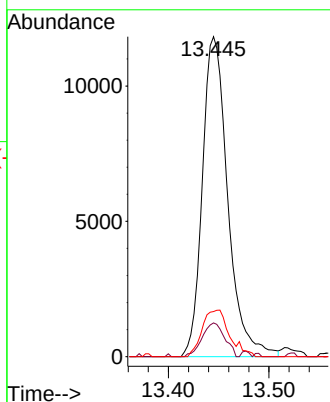
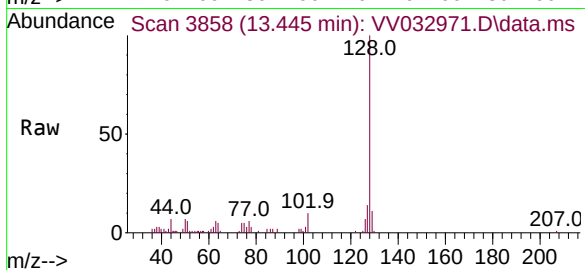
Tgt Ion:128 Resp: 20787

Ion Ratio Lower Upper

128 100

129 9.3 8.8 13.2

127 15.6 10.3 15.5#



#72

1,2,3-Trichlorobenzene

Concen: 0.962 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. -0.000 min

Lab File: VV032971.D

Acq: 16 Nov 2023 19:21

Tgt Ion:180 Resp: 14476

Ion Ratio Lower Upper

180 100

182 91.3 76.7 115.1

145 31.0 27.0 40.4

