

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121124\  
 Data File : VX044231.D  
 Acq On : 11 Dec 2024 16:31  
 Operator : JC/MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 IBLK

Quant Time: Dec 12 04:54:49 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121124W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 12 04:28:14 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 118071   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757  | 114   | 216551   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 193218   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018 | 152   | 83053    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65    | 97547    | 47.120   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery | =      | 94.240%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 71560    | 47.713   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 95.420%  |
| 50) Toluene-d8                | 8.647  | 98    | 266361   | 52.641   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery | =      | 105.280% |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 91612    | 51.815   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 77 - 121 | Recovery | =      | 103.620% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 3) Chloromethane              | 1.300  | 50    | 184      | 0.105    | ug/l # | 68       |
| 4) Vinyl Chloride             | 1.374  | 62    | 177      | 0.097    | ug/l # | 58       |
| 6) Chloroethane               | 1.666  | 64    | 114      | 0.101    | ug/l # | 41       |
| 7) Trichlorofluoromethane     | 1.874  | 101   | 193      | 0.054    | ug/l # | 69       |
| 8) Diethyl Ether              | 2.117  | 74    | 78       | 0.064    | ug/l # | 1        |
| 10) Methyl Iodide             | 2.447  | 142   | 103      | 0.054    | ug/l # | 60       |
| 12) 1,1-Dichloroethene        | 2.300  | 96    | 199      | 0.150    | ug/l # | 28       |
| 13) Acrolein                  | 2.221  | 56    | 80       | 0.189    | ug/l # | 37       |
| 18) Methyl Acetate            | 2.715  | 43    | 350      | 0.161    | ug/l   | 92       |
| 19) Methyl tert-butyl Ether   | 2.953  | 73    | 97       | 0.019    | ug/l # | 56       |
| 20) Methylene Chloride        | 2.782  | 84    | 271      | 0.171    | ug/l # | 52       |
| 22) Diisopropyl ether         | 3.763  | 45    | 42       | 0.008    | ug/l # | 26       |
| 23) Vinyl Acetate             | 3.757  | 43    | 138      | 0.034    | ug/l # | 73       |
| 25) 2-Butanone                | 4.684  | 43    | 48       | 0.040    | ug/l # | 50       |
| 26) 2,2-Dichloropropane       | 4.465  | 77    | 19       | 0.008    | ug/l # | 55       |
| 27) cis-1,2-Dichloroethene    | 4.495  | 96    | 128      | 0.072    | ug/l # | 45       |
| 29) Tetrahydrofuran           | 5.013  | 42    | 25       | 0.032    | ug/l # | 32       |
| 30) Chloroform                | 5.080  | 83    | 24       | 0.008    | ug/l # | 18       |
| 37) Ethyl Acetate             | 4.745  | 43    | 104      | 0.043    | ug/l # | 71       |
| 39) Methylcyclohexane         | 7.373  | 83    | 24       | 0.010    | ug/l # | 1        |
| 40) Benzene                   | 6.025  | 78    | 86       | 0.015    | ug/l # | 51       |
| 41) Methacrylonitrile         | 4.928  | 41    | 155      | 0.122    | ug/l # | 1        |
| 42) 1,2-Dichloroethane        | 6.092  | 62    | 123      | 0.051    | ug/l # | 78       |
| 43) Isopropyl Acetate         | 6.385  | 43    | 147      | 0.039    | ug/l # | 63       |
| 46) Dibromomethane            | 7.610  | 93    | 31       | 0.027    | ug/l # | 8        |
| 48) Methyl methacrylate       | 7.653  | 41    | 25       | 0.014    | ug/l # | 1        |
| 51) 4-Methyl-2-Pentanone      | 8.586  | 43    | 226      | 0.094    | ug/l # | 38       |
| 52) Toluene                   | 8.720  | 92    | 274      | 0.074    | ug/l # | 54       |
| 54) cis-1,3-Dichloropropene   | 8.403  | 75    | 50       | 0.023    | ug/l # | 33       |
| 57) 1,3-Dichloropropane       | 9.329  | 76    | 46       | 0.018    | ug/l # | 42       |
| 58) 2-Chloroethyl Vinyl ether | 8.275  | 63    | 123      | 0.105    | ug/l # | 46       |
| 59) 2-Hexanone                | 9.384  | 43    | 22       | 0.013    | ug/l # | 26       |
| 61) 1,2-Dibromoethane         | 9.628  | 107   | 21       | 0.014    | ug/l   | 91       |
| 64) Tetrachloroethene         | 9.269  | 164   | 161      | 0.126    | ug/l # | 60       |
| 65) Chlorobenzene             | 10.085 | 112   | 547      | 0.132    | ug/l # | 80       |
| 67) Ethyl Benzene             | 10.201 | 91    | 707      | 0.099    | ug/l   | 94       |

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 Operator : JC/MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 IBLK

Quant Time: Dec 12 04:54:49 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121124W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 12 04:28:14 2024  
 Response via : Initial Calibration

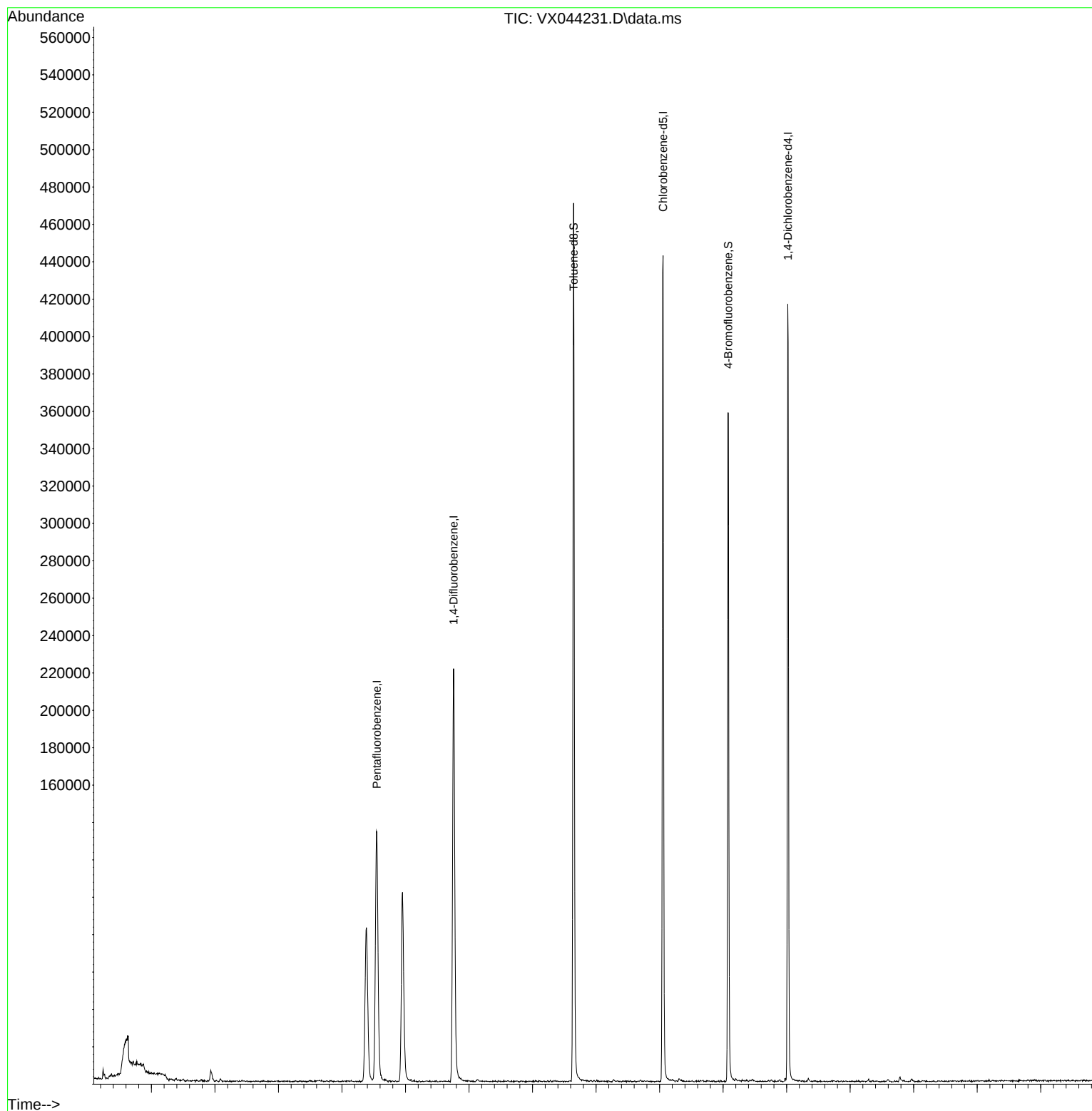
| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| 68) m/p-Xylenes               | 10.305 | 106  | 441      | 0.168 | ug/l # | 54       |
| 69) o-Xylene                  | 10.646 | 106  | 117      | 0.044 | ug/l # | 20       |
| 70) Styrene                   | 10.671 | 104  | 232      | 0.054 | ug/l # | 85       |
| 73) Isopropylbenzene          | 10.963 | 105  | 574      | 0.090 | ug/l # | 57       |
| 74) N-amyl acetate            | 10.908 | 43   | 29       | 0.010 | ug/l # | 45       |
| 75) 1,1,2,2-Tetrachloroethane | 11.232 | 83   | 50       | 0.023 | ug/l # | 25       |
| 77) Bromobenzene              | 11.201 | 156  | 136      | 0.088 | ug/l   | 76       |
| 78) n-propylbenzene           | 11.469 | 91   | 814      | 0.116 | ug/l   | 87       |
| 79) 2-Chlorotoluene           | 11.469 | 91   | 814      | 0.179 | ug/l   | 86       |
| 80) 1,3,5-Trimethylbenzene    | 11.457 | 105  | 427      | 0.081 | ug/l   | 74       |
| 82) 4-Chlorotoluene           | 11.469 | 91   | 814      | 0.162 | ug/l   | 93       |
| 83) tert-Butylbenzene         | 11.719 | 119  | 448      | 0.086 | ug/l # | 82       |
| 84) 1,2,4-Trimethylbenzene    | 11.762 | 105  | 520      | 0.100 | ug/l   | 97       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 711      | 0.112 | ug/l   | 79       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 541      | 0.103 | ug/l # | 31       |
| 89) n-Butylbenzene            | 12.341 | 91   | 579      | 0.131 | ug/l # | 69       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 349      | 0.125 | ug/l   | 86       |
| -----                         |        |      |          |       |        |          |

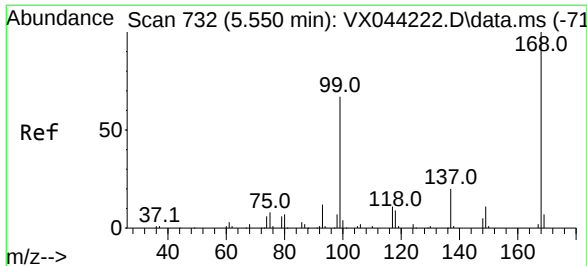
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121124\  
Data File : VX044231.D  
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Sample : IBLK  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

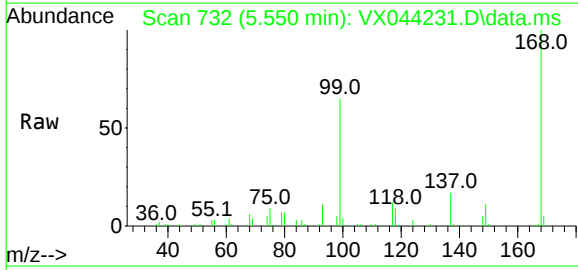
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121124W.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 12 04:28:14 2024  
Response via : Initial Calibration



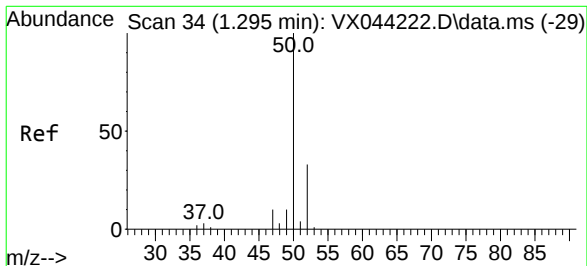
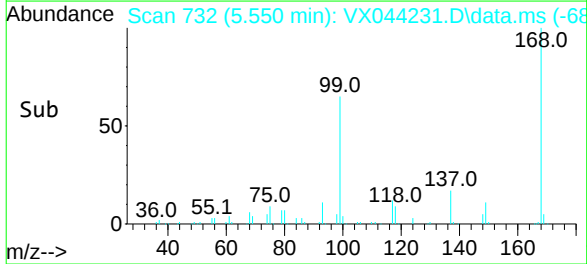
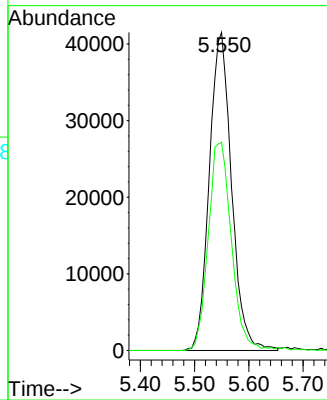


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 73  
Delta R.T. -0.000 min  
Lab File: VX044231.D  
Acq: 11 Dec 2024 16:31

Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

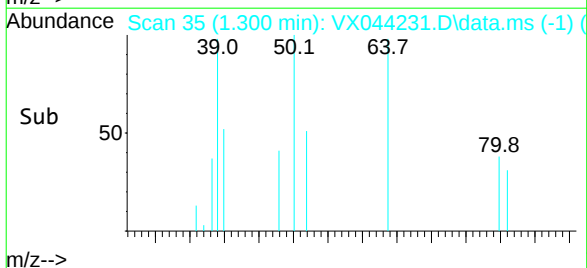
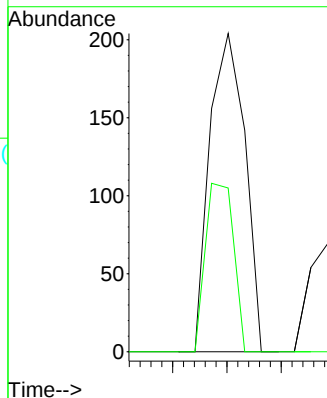
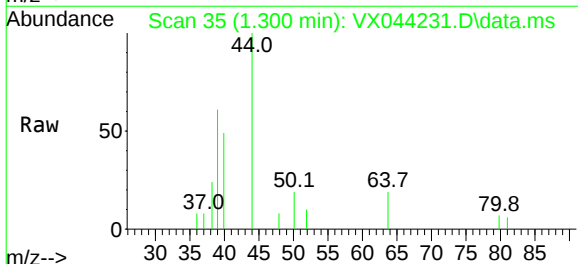


Tgt Ion: 168 Resp: 118071  
Ion Ratio Lower Upper  
168 100  
99 65.4 53.4 80.0

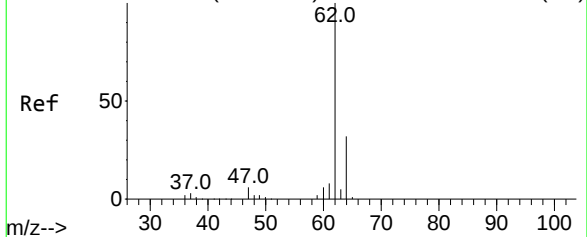


#3  
Chloromethane  
Concen: 0.105 ug/l  
RT: 1.300 min Scan# 35  
Delta R.T. 0.006 min  
Lab File: VX044231.D  
Acq: 11 Dec 2024 16:31

Tgt Ion: 50 Resp: 184  
Ion Ratio Lower Upper  
50 100  
52 51.5 26.5 39.7#



Abundance Scan 47 (1.374 min): VX044222.D\data.ms (-42)



#4

Vinyl Chloride

Concen: 0.097 ug/l

RT: 1.374 min Scan# 47

Delta R.T. -0.000 min

Lab File: VX044231.D

Acq: 11 Dec 2024 16:31

Instrument :

MSVOA\_X

ClientSampleId :

IBLK

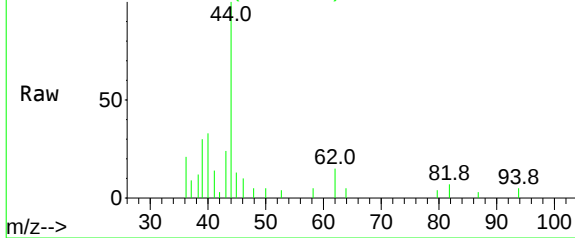
Tgt Ion: 62 Resp: 177

Ion Ratio Lower Upper

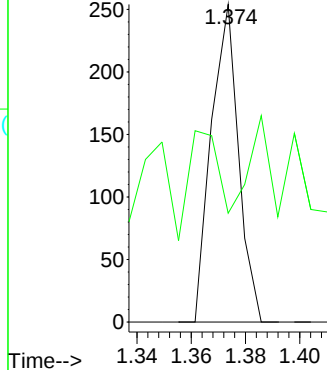
62 100

64 8.7 25.7 38.5#

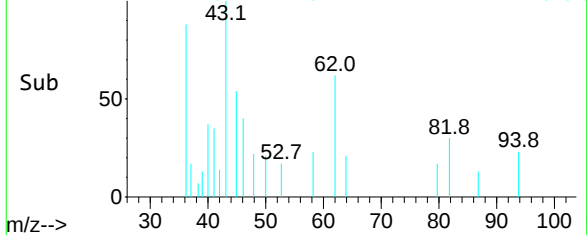
Abundance Scan 47 (1.374 min): VX044231.D\data.ms



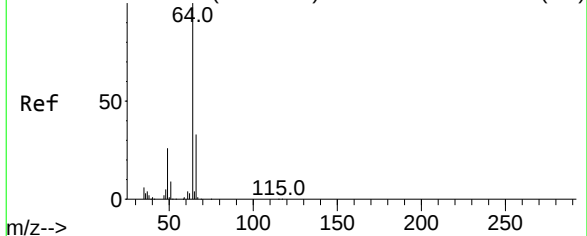
Abundance



Abundance Scan 47 (1.374 min): VX044231.D\data.ms (-1)



Abundance Scan 95 (1.666 min): VX044222.D\data.ms (-89)



#6

Chloroethane

Concen: 0.101 ug/l

RT: 1.666 min Scan# 95

Delta R.T. -0.000 min

Lab File: VX044231.D

Acq: 11 Dec 2024 16:31

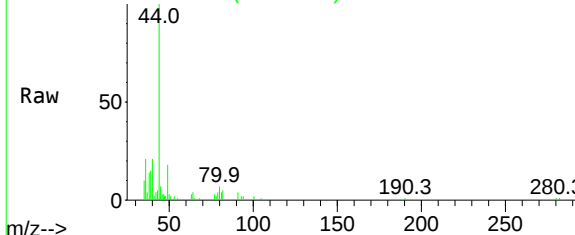
Tgt Ion: 64 Resp: 114

Ion Ratio Lower Upper

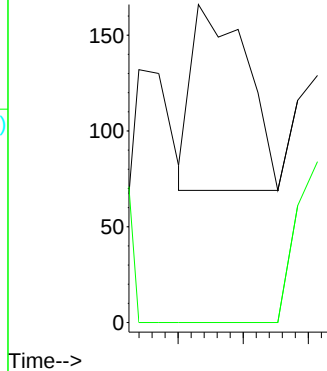
64 100

66 0.0 26.6 39.8#

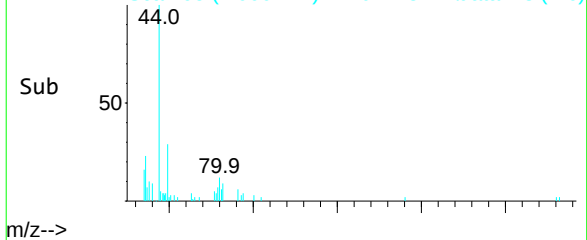
Abundance Scan 95 (1.666 min): VX044231.D\data.ms

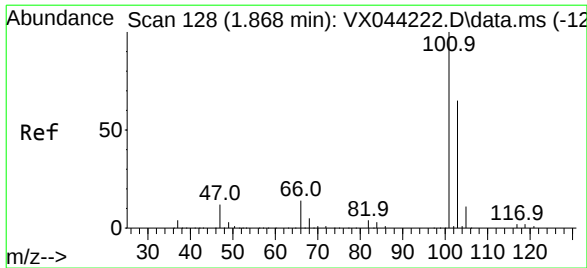


Abundance



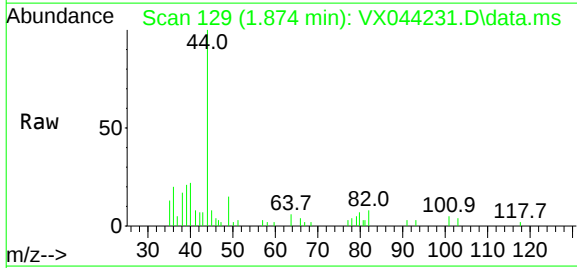
Abundance Scan 95 (1.666 min): VX044231.D\data.ms (-46)



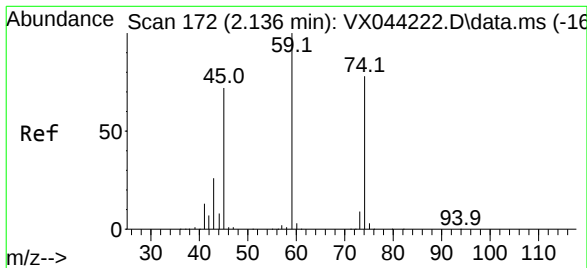
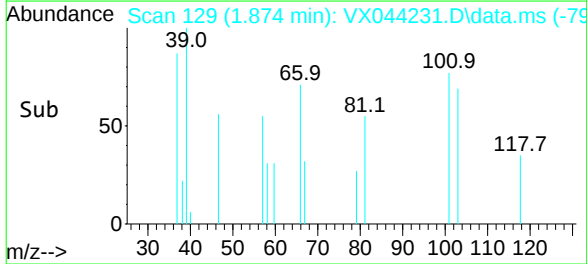
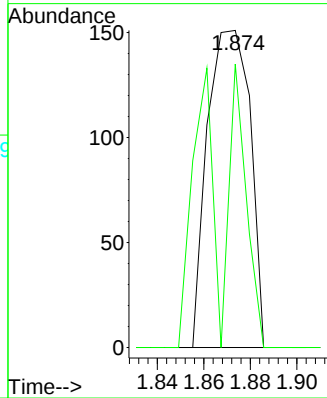


#7  
 Trichlorofluoromethane  
 Concen: 0.054 ug/l  
 RT: 1.874 min Scan# 12  
 Delta R.T. 0.006 min  
 Lab File: VX044231.D  
 Acq: 11 Dec 2024 16:31

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 IBLK

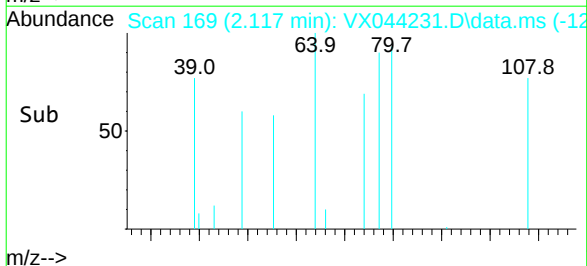
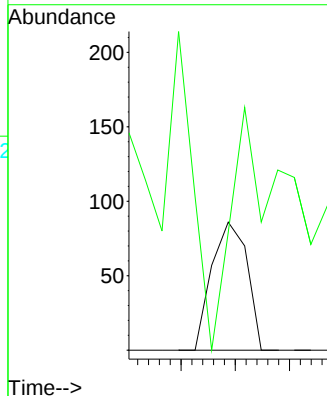
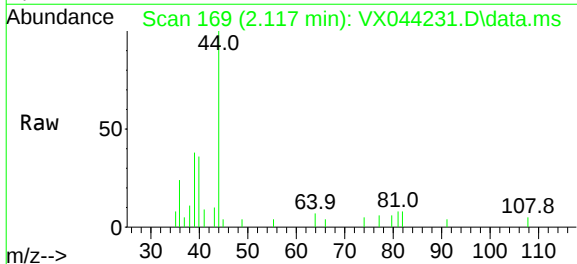


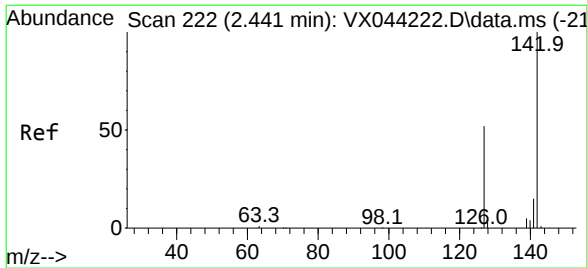
Tgt Ion:101 Resp: 193  
 Ion Ratio Lower Upper  
 101 100  
 103 89.4 51.8 77.8#



#8  
 Diethyl Ether  
 Concen: 0.064 ug/l  
 RT: 2.117 min Scan# 169  
 Delta R.T. -0.018 min  
 Lab File: VX044231.D  
 Acq: 11 Dec 2024 16:31

Tgt Ion: 74 Resp: 78  
 Ion Ratio Lower Upper  
 74 100  
 45 343.6 48.4 145.0#

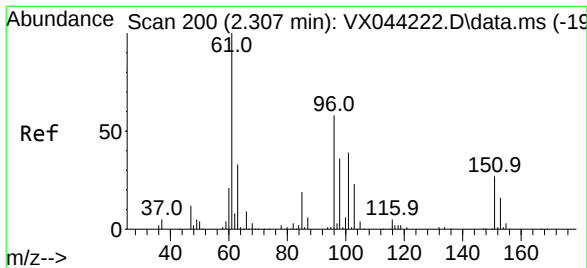
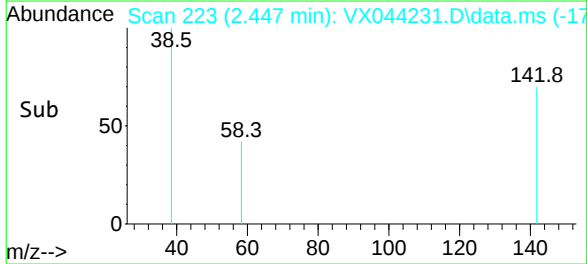
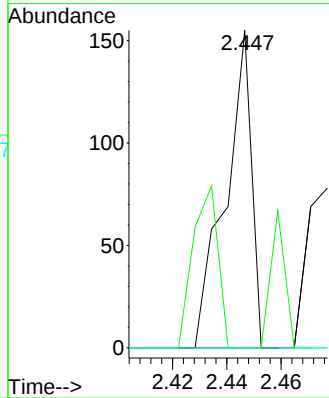
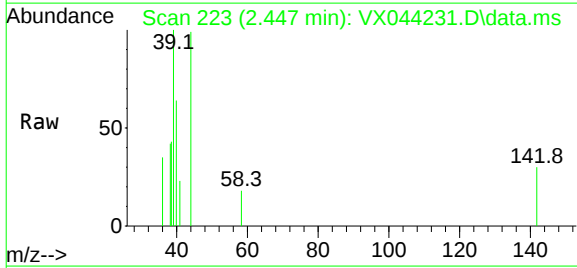




#10  
Methyl Iodide  
Concen: 0.054 ug/l  
RT: 2.447 min Scan# 222  
Delta R.T. 0.006 min  
Lab File: VX044231.D  
Acq: 11 Dec 2024 16:31

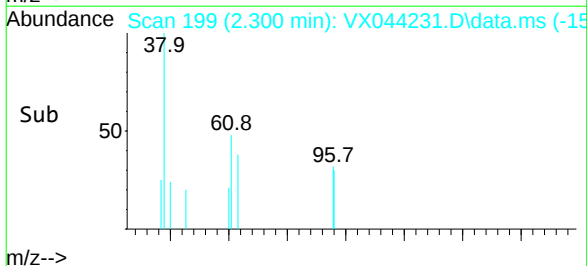
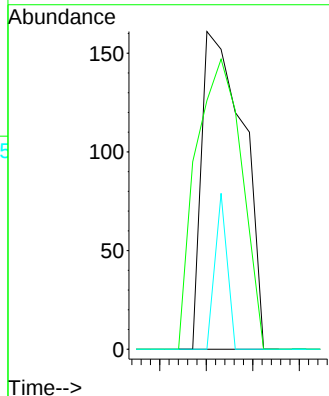
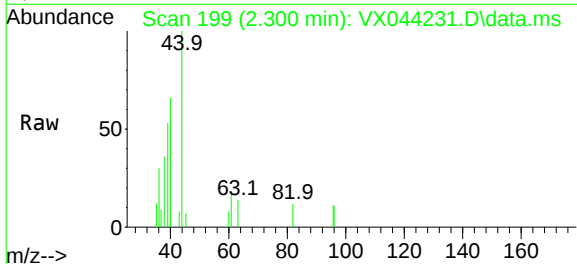
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

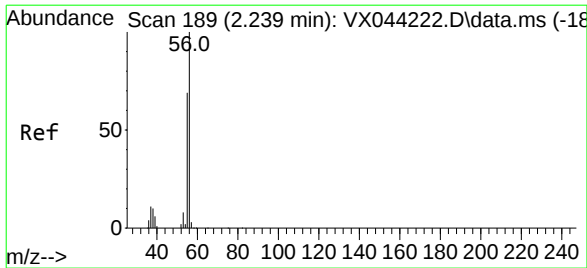
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 103   |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 127      | 23.3  | 41.8  | 62.8# |
| 141      | 0.0   | 11.5  | 17.3# |



#12  
1,1-Dichloroethene  
Concen: 0.150 ug/l  
RT: 2.300 min Scan# 199  
Delta R.T. -0.006 min  
Lab File: VX044231.D  
Acq: 11 Dec 2024 16:31

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 199    |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 78.3  | 138.0 | 207.0# |
| 98       | 0.0   | 50.0  | 75.0#  |





#13

Acrolein

Concen: 0.189 ug/l

RT: 2.221 min Scan# 18

Delta R.T. -0.018 min

Lab File: VX044231.D

Acq: 11 Dec 2024 16:31

Instrument :

MSVOA\_X

ClientSampleId :

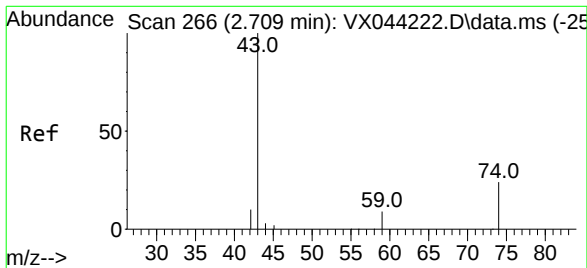
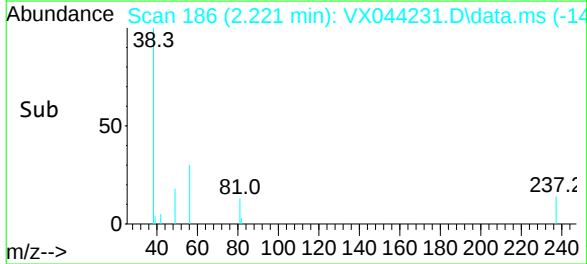
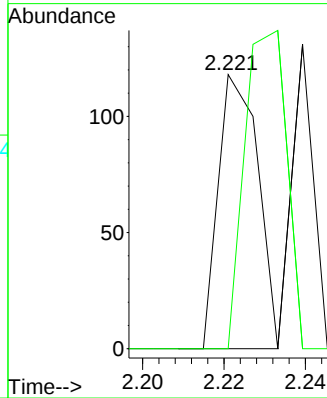
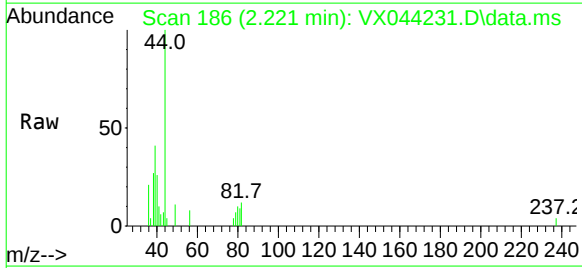
IBLK

Tgt Ion: 56 Resp: 80

Ion Ratio Lower Upper

56 100

55 122.5 56.6 84.8#



#18

Methyl Acetate

Concen: 0.161 ug/l

RT: 2.715 min Scan# 267

Delta R.T. 0.006 min

Lab File: VX044231.D

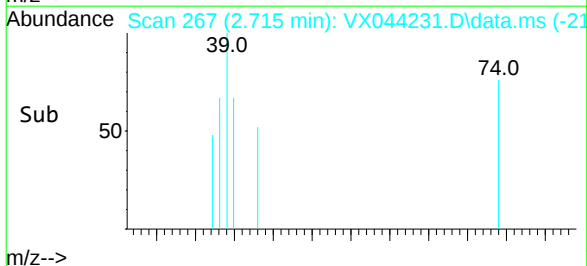
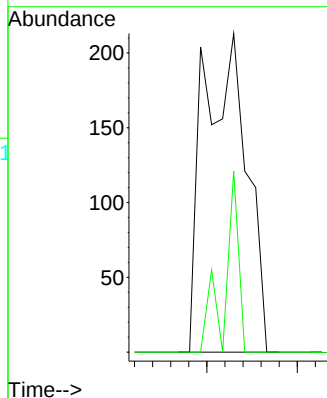
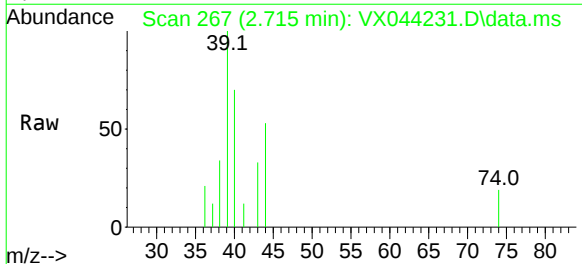
Acq: 11 Dec 2024 16:31

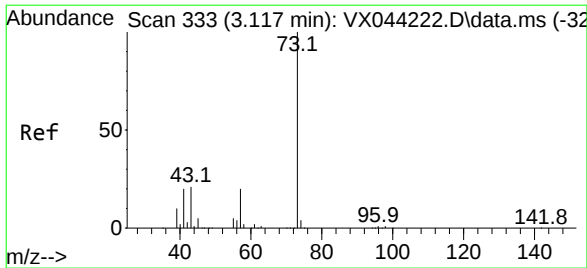
Tgt Ion: 43 Resp: 350

Ion Ratio Lower Upper

43 100

74 18.3 17.7 26.5

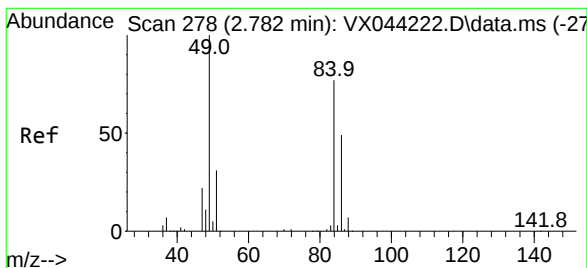
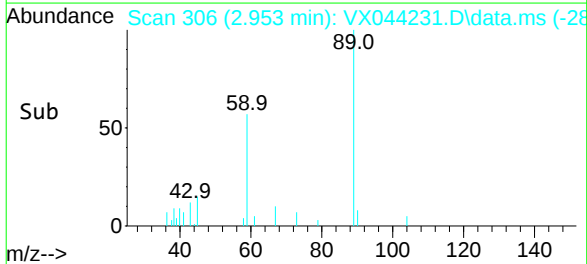
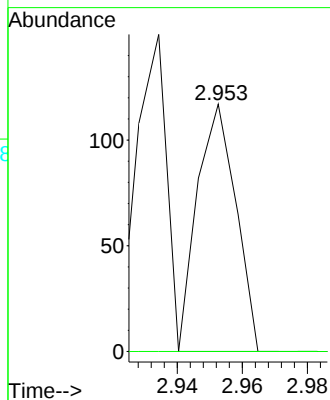
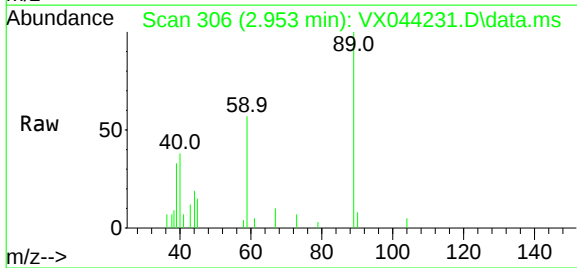




#19  
Methyl tert-butyl Ether  
Concen: 0.019 ug/l  
RT: 2.953 min Scan# 306  
Delta R.T. -0.165 min  
Lab File: VX044231.D  
Acq: 11 Dec 2024 16:31

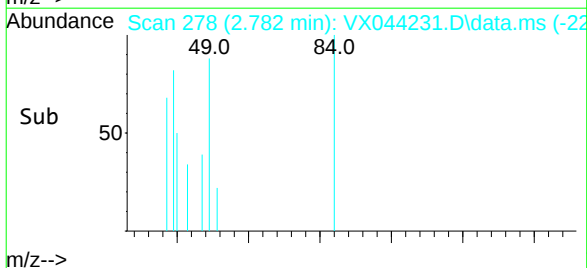
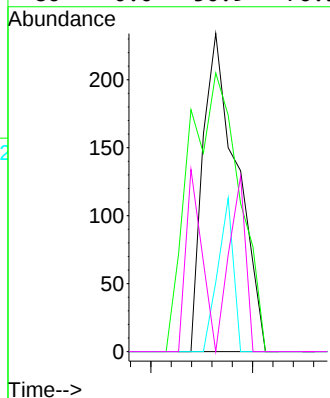
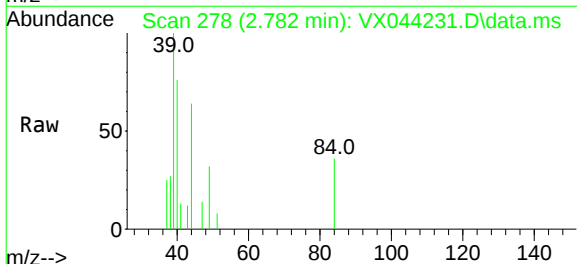
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

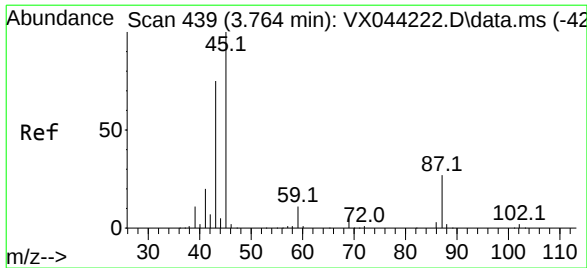
Tgt Ion: 73 Resp: 97  
Ion Ratio Lower Upper  
73 100  
57 0.0 16.2 24.4#



#20  
Methylene Chloride  
Concen: 0.171 ug/l  
RT: 2.782 min Scan# 278  
Delta R.T. -0.000 min  
Lab File: VX044231.D  
Acq: 11 Dec 2024 16:31

Tgt Ion: 84 Resp: 271  
Ion Ratio Lower Upper  
84 100  
49 87.6 104.2 156.4#  
51 21.8 32.2 48.4#  
86 0.0 50.9 76.3#

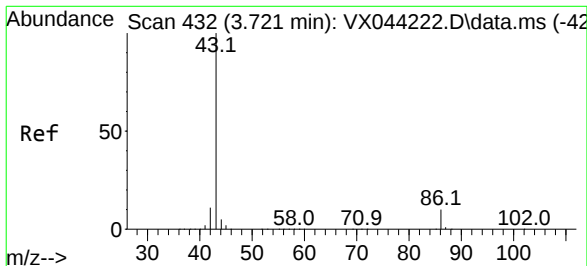
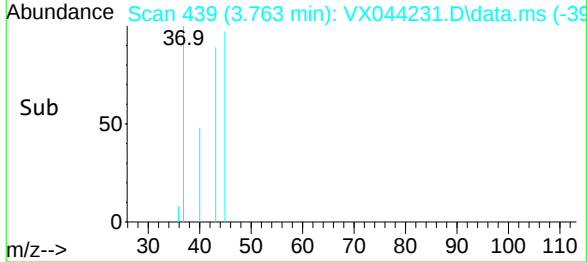
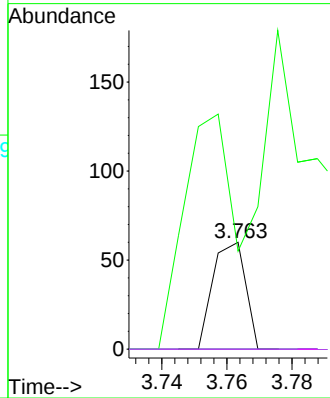
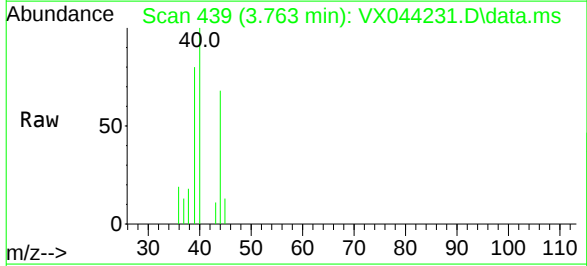




#22  
Diisopropyl ether  
Concen: 0.008 ug/l  
RT: 3.763 min Scan# 438  
Delta R.T. -0.000 min  
Lab File: VX044231.D  
Acq: 11 Dec 2024 16:31

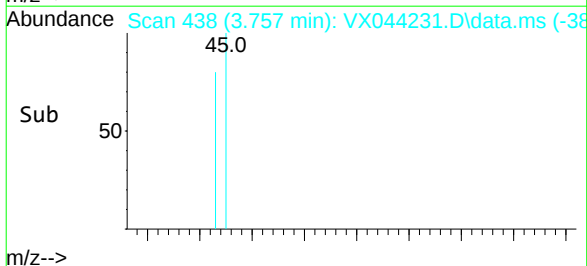
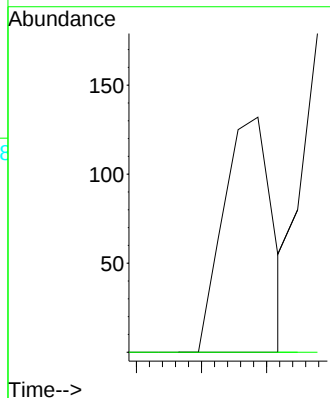
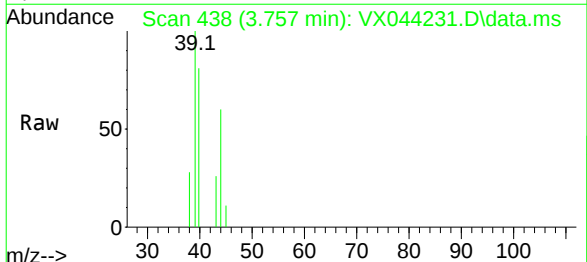
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

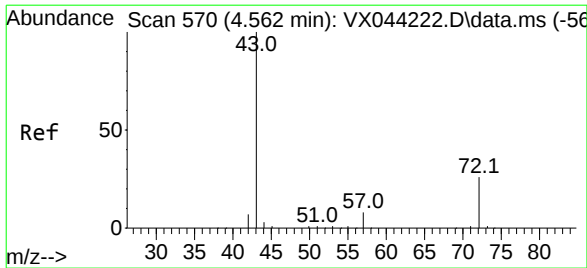
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 0.0   | 60.2  | 90.2# |
| 87      | 0.0   | 21.2  | 31.8# |
| 59      | 0.0   | 8.9   | 13.3# |



#23  
Vinyl Acetate  
Concen: 0.034 ug/l  
RT: 3.757 min Scan# 438  
Delta R.T. 0.036 min  
Lab File: VX044231.D  
Acq: 11 Dec 2024 16:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 86      | 0.0   | 8.2   | 12.2# |

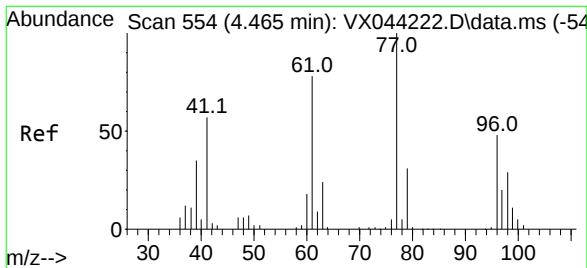
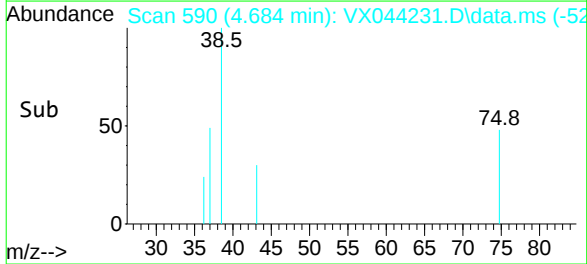
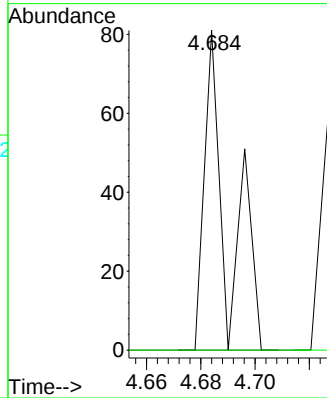
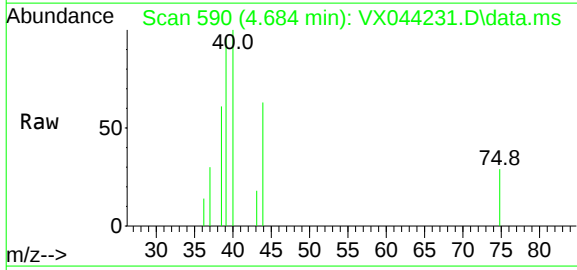




#25  
2-Butanone  
Concen: 0.040 ug/l  
RT: 4.684 min Scan# 59  
Delta R.T. 0.122 min  
Lab File: VX044231.D  
Acq: 11 Dec 2024 16:31

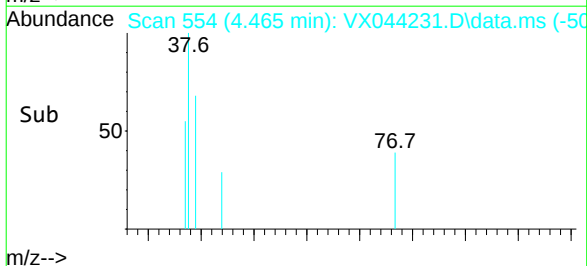
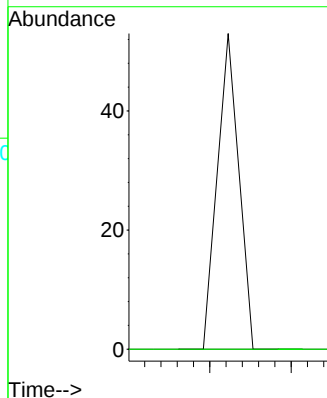
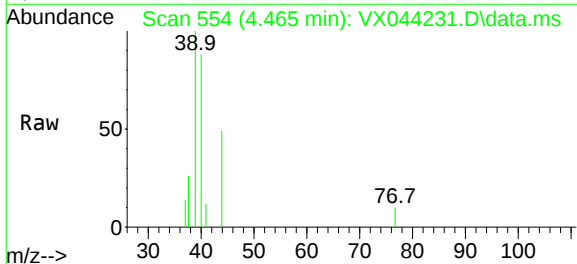
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

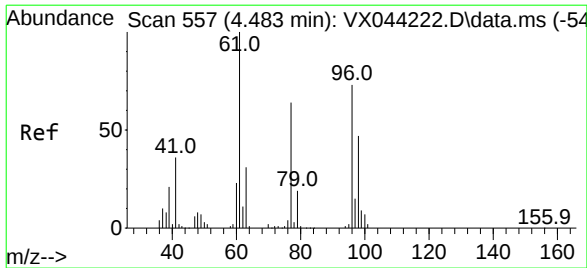
Tgt Ion: 43 Resp: 48  
Ion Ratio Lower Upper  
43 100  
72 0.0 20.2 30.4#



#26  
2,2-Dichloropropane  
Concen: 0.008 ug/l  
RT: 4.465 min Scan# 554  
Delta R.T. -0.000 min  
Lab File: VX044231.D  
Acq: 11 Dec 2024 16:31

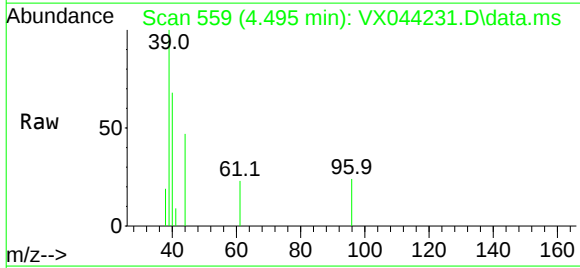
Tgt Ion: 77 Resp: 19  
Ion Ratio Lower Upper  
77 100  
97 0.0 10.7 32.1#



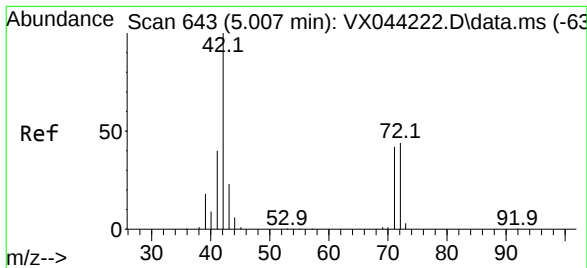
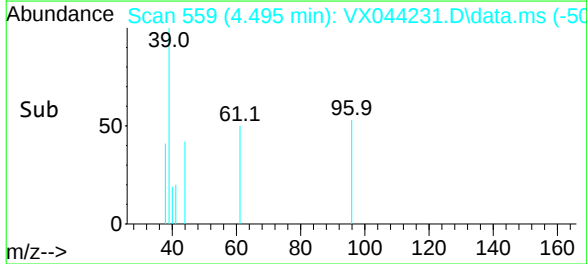
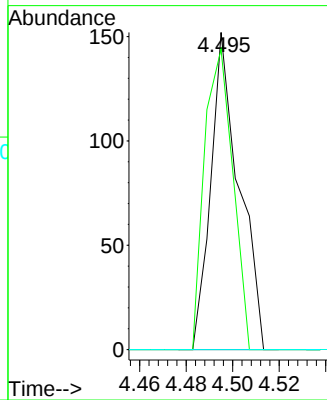


#27  
 cis-1,2-Dichloroethene  
 Concen: 0.072 ug/l  
 RT: 4.495 min Scan# 55  
 Delta R.T. 0.012 min  
 Lab File: VX044231.D  
 Acq: 11 Dec 2024 16:31

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 IBLK

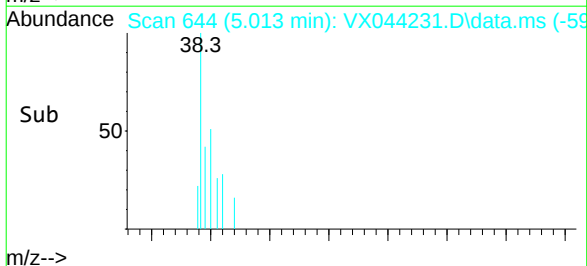
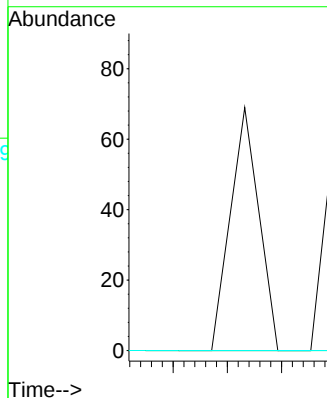
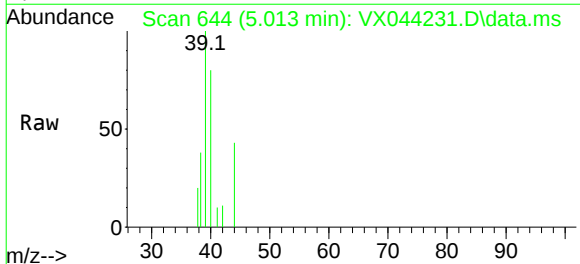


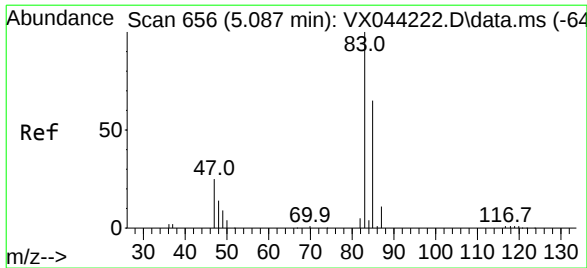
Tgt Ion: 96 Resp: 128  
 Ion Ratio Lower Upper  
 96 100  
 61 94.5 0.0 299.0  
 98 0.0 0.0 129.0



#29  
 Tetrahydrofuran  
 Concen: 0.032 ug/l  
 RT: 5.013 min Scan# 644  
 Delta R.T. 0.006 min  
 Lab File: VX044231.D  
 Acq: 11 Dec 2024 16:31

Tgt Ion: 42 Resp: 25  
 Ion Ratio Lower Upper  
 42 100  
 72 0.0 37.0 55.6#  
 71 0.0 33.6 50.4#

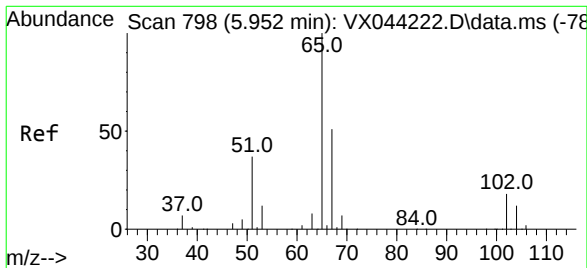
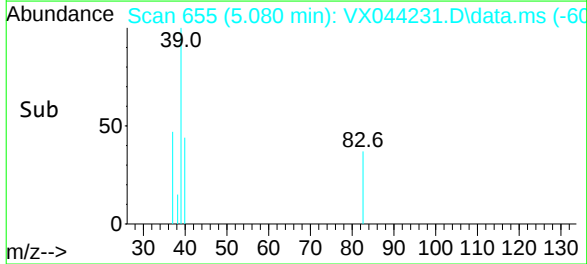
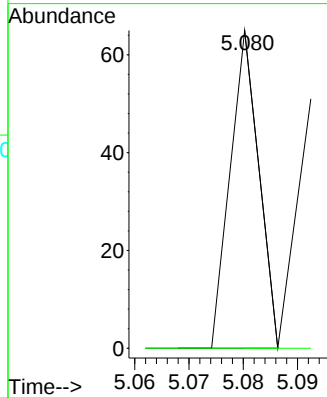
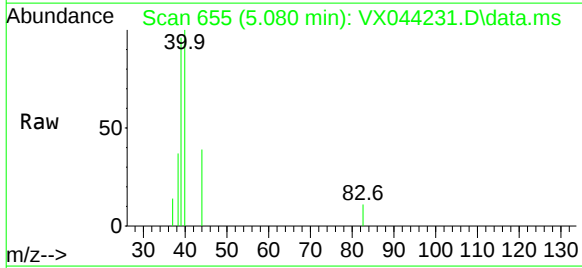




#30  
Chloroform  
Concen: 0.008 ug/l  
RT: 5.080 min Scan# 65  
Delta R.T. -0.006 min  
Lab File: VX044231.D  
Acq: 11 Dec 2024 16:31

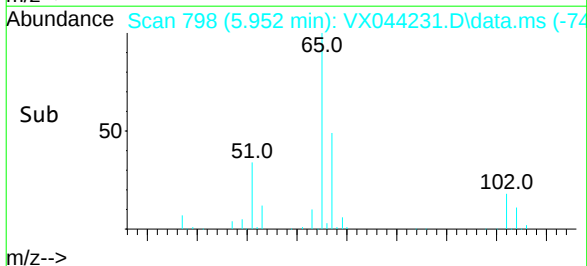
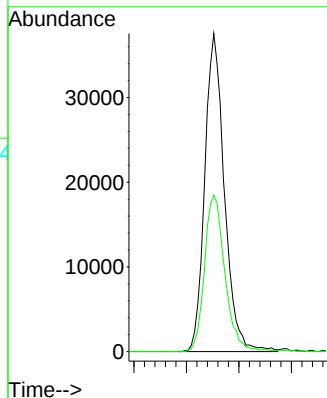
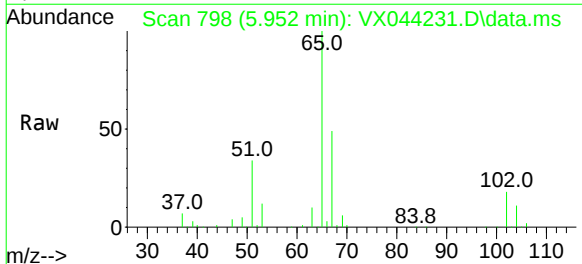
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

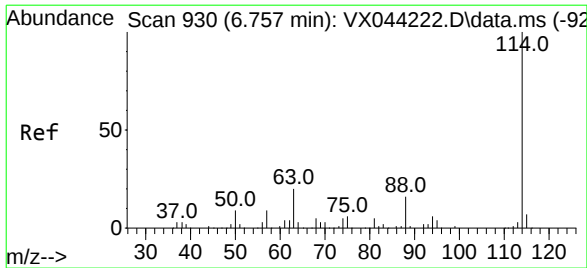
Tgt Ion: 83 Resp: 24  
Ion Ratio Lower Upper  
83 100  
85 0.0 51.6 77.4#



#33  
1,2-Dichloroethane-d4  
Concen: 47.120 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. -0.000 min  
Lab File: VX044231.D  
Acq: 11 Dec 2024 16:31

Tgt Ion: 65 Resp: 97547  
Ion Ratio Lower Upper  
65 100  
67 50.9 0.0 101.6

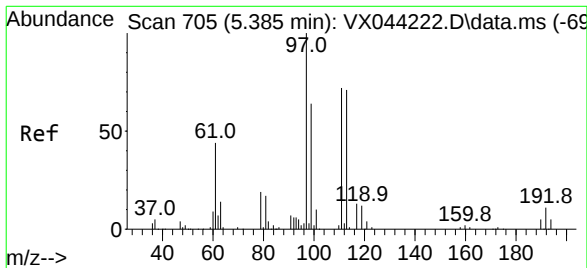
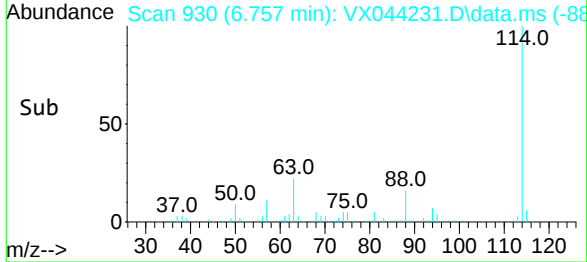
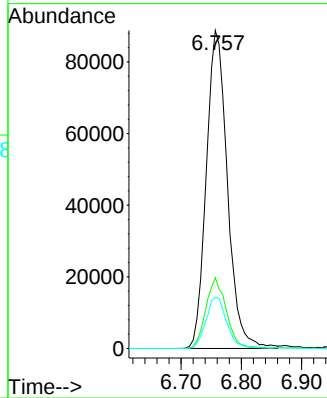
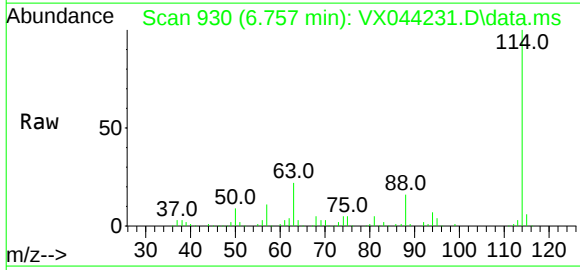




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 931  
Delta R.T. -0.000 min  
Lab File: VX044231.D  
Acq: 11 Dec 2024 16:31

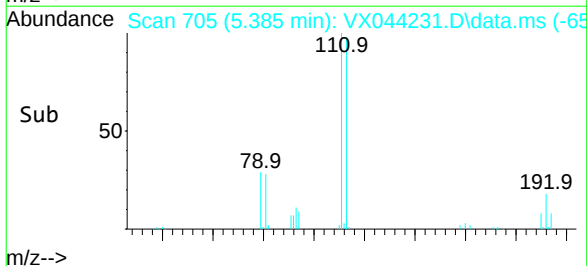
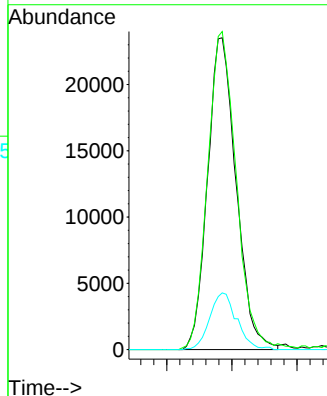
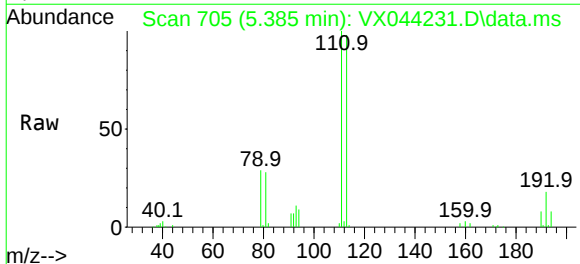
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

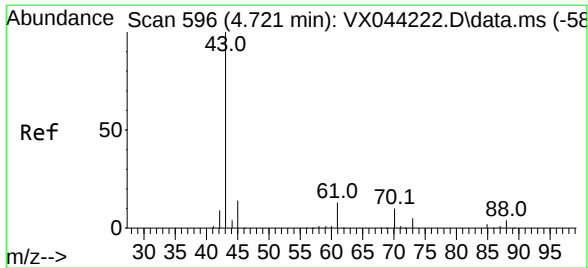
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 216551 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 22.3  | 0.0   | 40.6   |
| 88       | 16.1  | 0.0   | 31.8   |



#35  
Dibromofluoromethane  
Concen: 47.713 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX044231.D  
Acq: 11 Dec 2024 16:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 71560 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 102.7 | 80.4  | 120.6 |
| 192      | 17.3  | 13.3  | 19.9  |

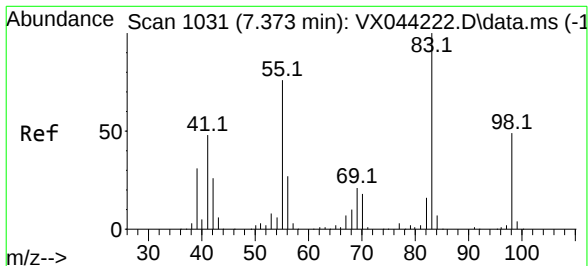
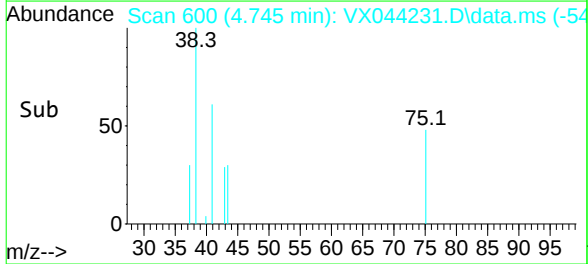
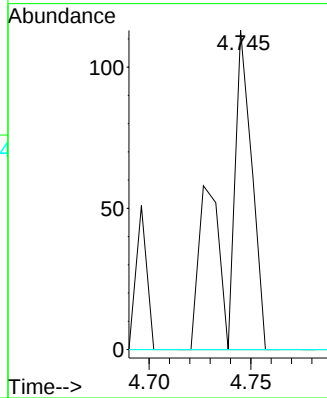
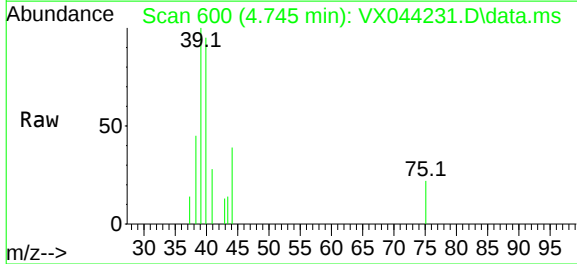




#37  
Ethyl Acetate  
Concen: 0.043 ug/l  
RT: 4.745 min Scan# 600  
Delta R.T. 0.024 min  
Lab File: VX044231.D  
Acq: 11 Dec 2024 16:31

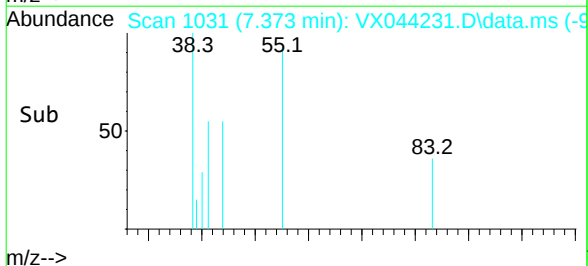
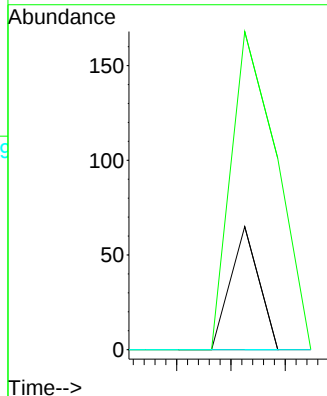
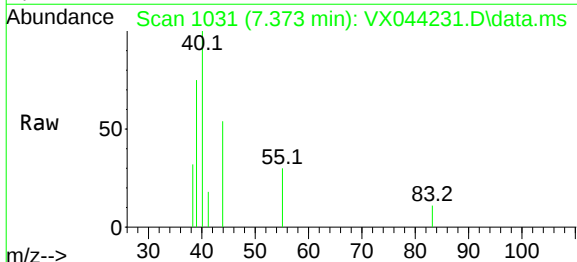
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

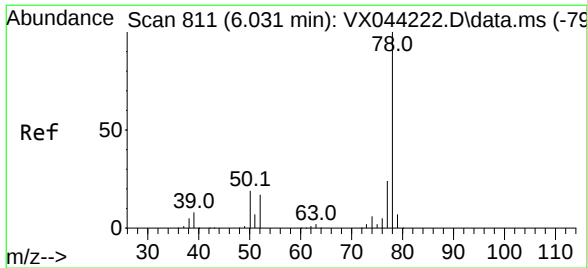
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 104   |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 61 0.0      | 9.8 14.8#   |
| 70 0.0      | 7.7 11.5#   |



#39  
Methylcyclohexane  
Concen: 0.010 ug/l  
RT: 7.373 min Scan# 1031  
Delta R.T. -0.000 min  
Lab File: VX044231.D  
Acq: 11 Dec 2024 16:31

|             |             |
|-------------|-------------|
| Tgt Ion: 83 | Resp: 24    |
| Ion Ratio   | Lower Upper |
| 83 100      |             |
| 55 258.5    | 60.7 91.1#  |
| 98 0.0      | 38.9 58.3#  |





#40

Benzene

Concen: 0.015 ug/l

RT: 6.025 min Scan# 81

Delta R.T. -0.006 min

Lab File: VX044231.D

Acq: 11 Dec 2024 16:31

Instrument :

MSVOA\_X

ClientSampleId :

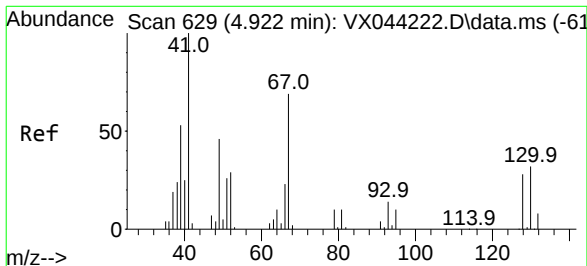
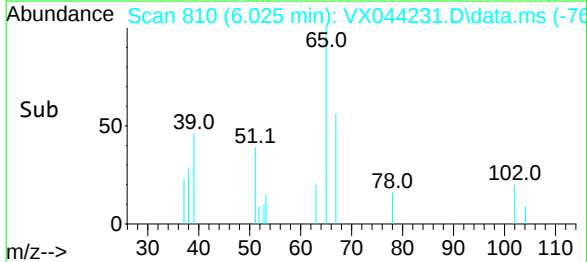
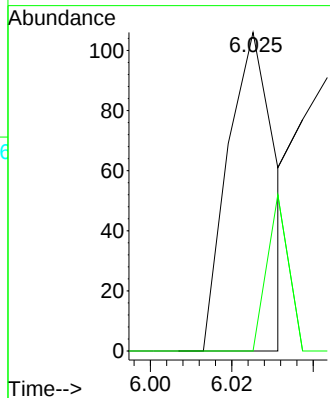
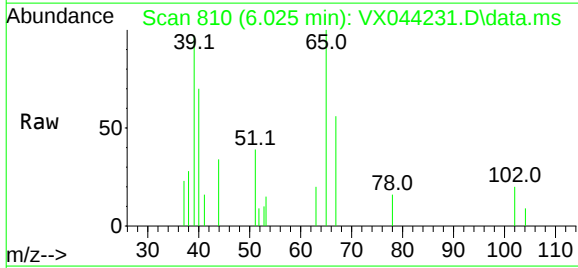
IBLK

Tgt Ion: 78 Resp: 86

Ion Ratio Lower Upper

78 100

77 0.0 19.3 28.9#



#41

Methacrylonitrile

Concen: 0.122 ug/l

RT: 4.928 min Scan# 630

Delta R.T. 0.006 min

Lab File: VX044231.D

Acq: 11 Dec 2024 16:31

Tgt Ion: 41 Resp: 155

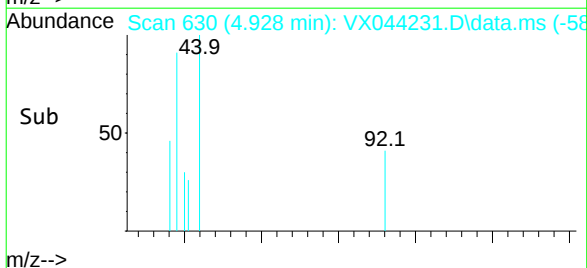
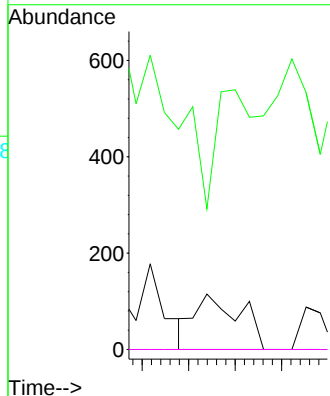
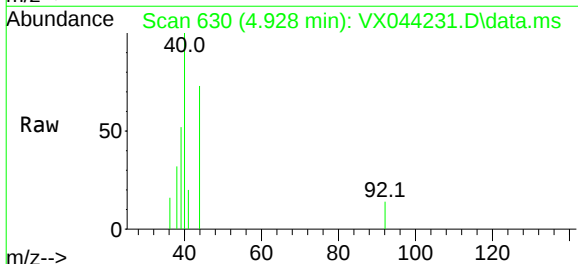
Ion Ratio Lower Upper

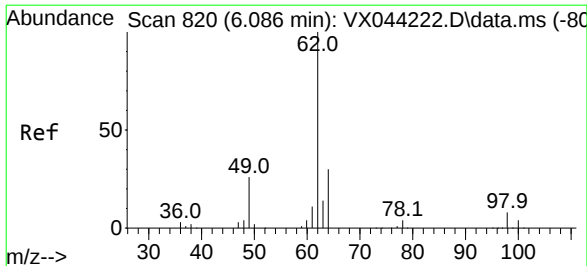
41 100

39 160.6 44.2 66.4#

67 0.0 57.2 85.8#

52 0.0 24.6 37.0#

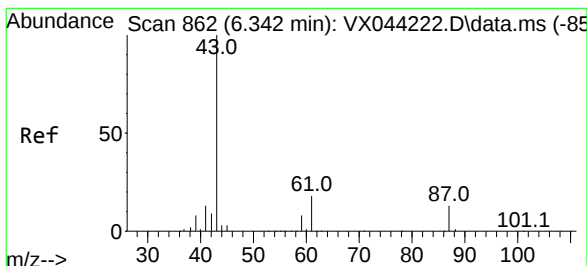
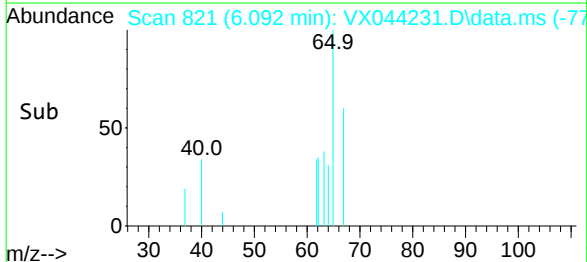
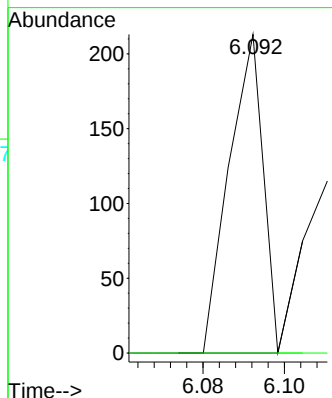
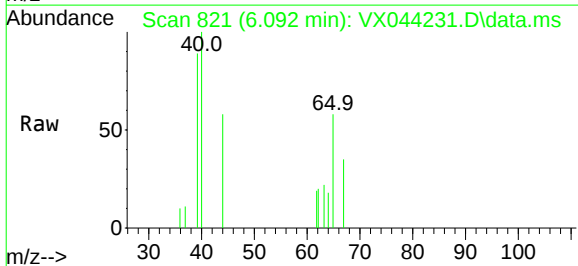




#42  
1,2-Dichloroethane  
Concen: 0.051 ug/l  
RT: 6.092 min Scan# 821  
Delta R.T. 0.006 min  
Lab File: VX044231.D  
Acq: 11 Dec 2024 16:31

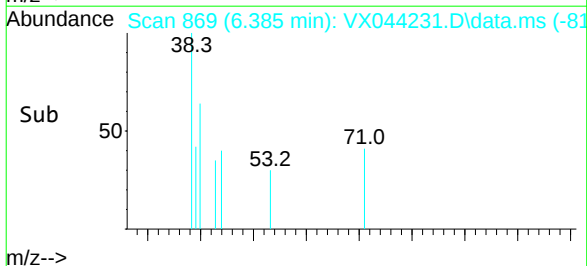
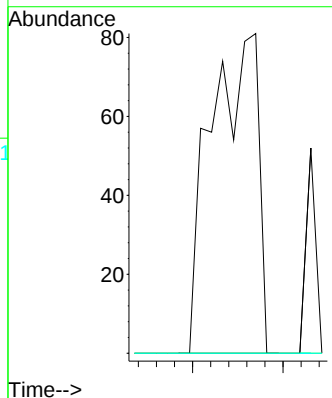
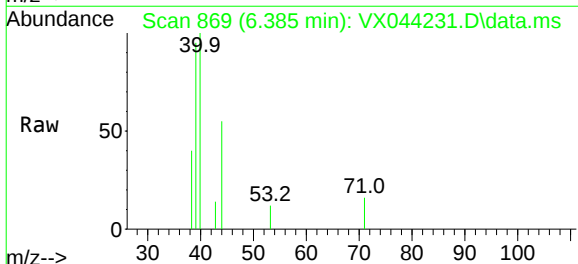
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

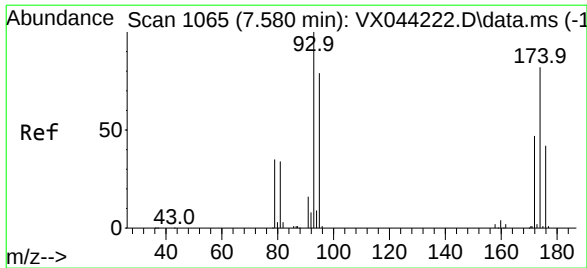
Tgt Ion: 62 Resp: 123  
Ion Ratio Lower Upper  
62 100  
98 0.0 0.0 15.8



#43  
Isopropyl Acetate  
Concen: 0.039 ug/l  
RT: 6.385 min Scan# 869  
Delta R.T. 0.043 min  
Lab File: VX044231.D  
Acq: 11 Dec 2024 16:31

Tgt Ion: 43 Resp: 147  
Ion Ratio Lower Upper  
43 100  
61 0.0 14.2 21.2#  
87 0.0 10.2 15.2#





#46

Dibromomethane

Concen: 0.027 ug/l

RT: 7.610 min Scan# 1070

Delta R.T. 0.030 min

Lab File: VX044231.D

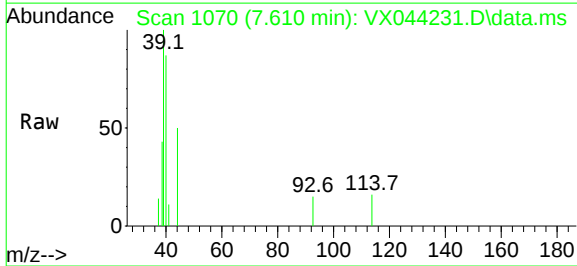
Acq: 11 Dec 2024 16:31

Instrument :

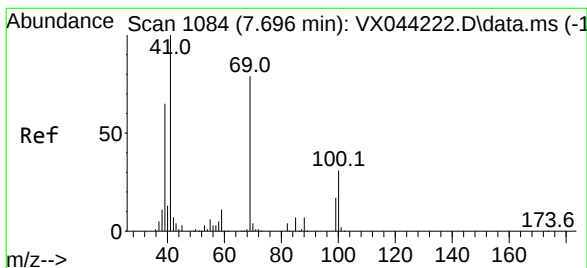
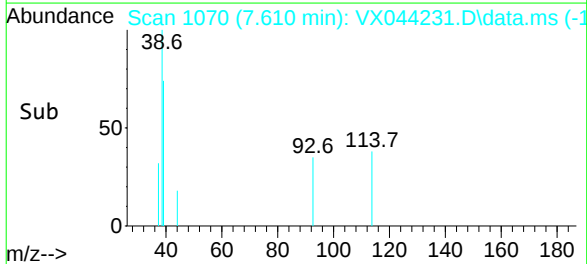
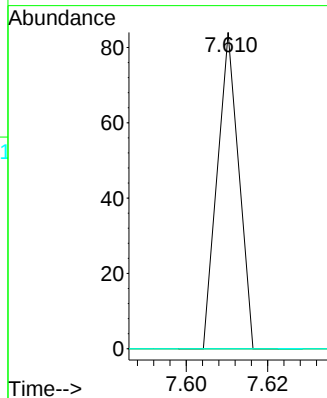
MSVOA\_X

ClientSampleId :

IBLK



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 31     |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 95       | 0.0   | 65.4  | 98.2#  |
| 174      | 0.0   | 67.9  | 101.9# |



#48

Methyl methacrylate

Concen: 0.014 ug/l

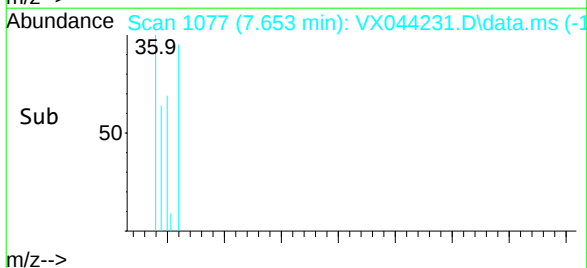
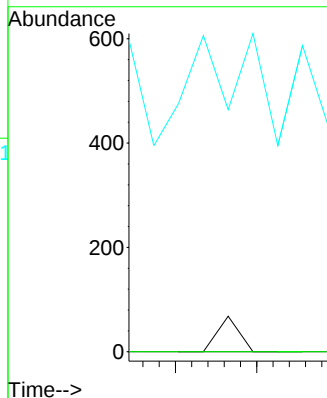
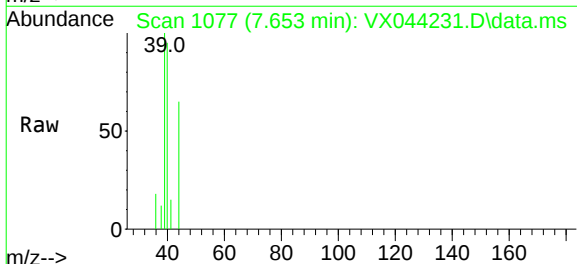
RT: 7.653 min Scan# 1077

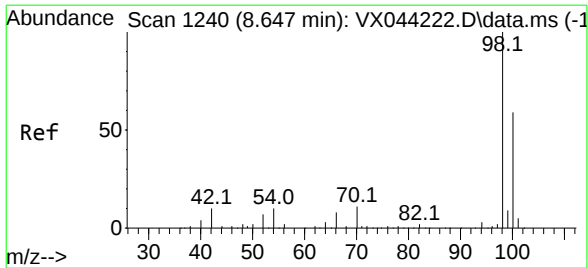
Delta R.T. -0.043 min

Lab File: VX044231.D

Acq: 11 Dec 2024 16:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 25    |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 0.0   | 62.4  | 93.6# |
| 39       | 844.0 | 53.3  | 79.9# |





#50

Toluene-d8

Concen: 52.641 ug/l

RT: 8.647 min Scan# 12

Delta R.T. -0.000 min

Lab File: VX044231.D

Acq: 11 Dec 2024 16:31

Instrument :

MSVOA\_X

ClientSampleId :

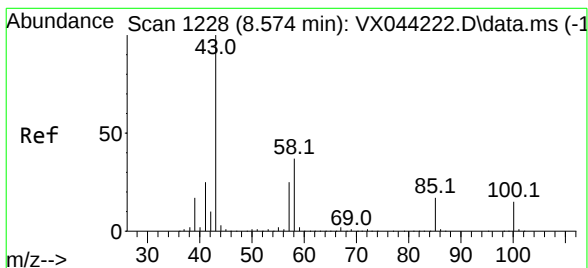
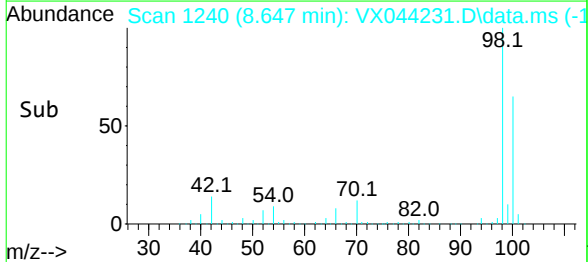
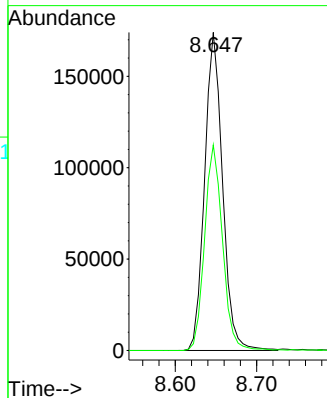
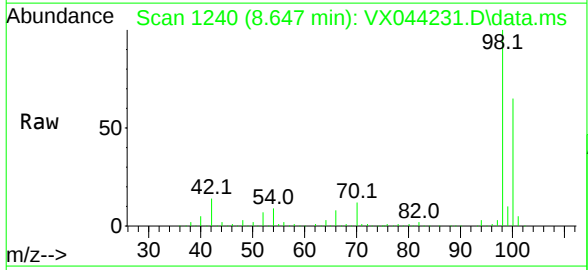
IBLK

Tgt Ion: 98 Resp: 266361

Ion Ratio Lower Upper

98 100

100 64.7 51.5 77.3



#51

4-Methyl-2-Pentanone

Concen: 0.094 ug/l

RT: 8.586 min Scan# 1230

Delta R.T. 0.012 min

Lab File: VX044231.D

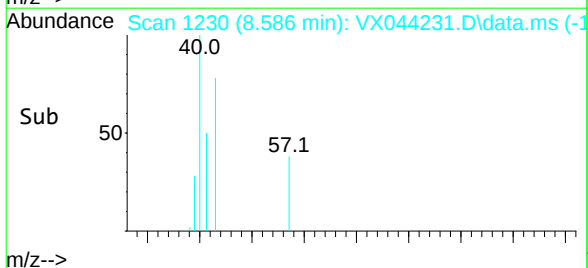
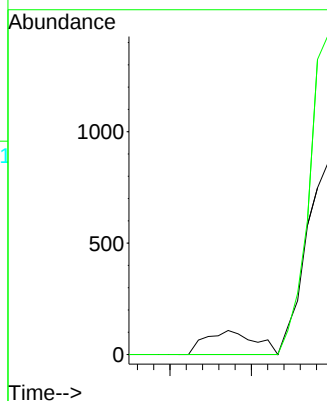
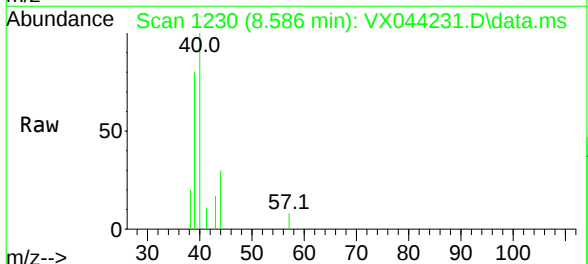
Acq: 11 Dec 2024 16:31

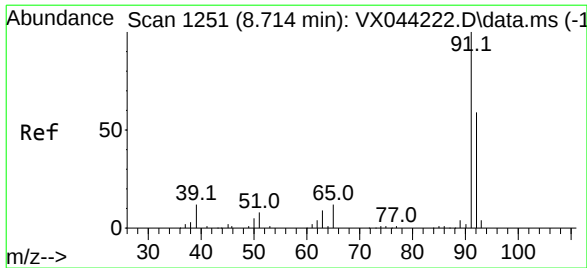
Tgt Ion: 43 Resp: 226

Ion Ratio Lower Upper

43 100

58 0.0 29.4 44.0#





#52

Toluene

Concen: 0.074 ug/l

RT: 8.720 min Scan# 12

Delta R.T. 0.006 min

Lab File: VX044231.D

Acq: 11 Dec 2024 16:31

Instrument :

MSVOA\_X

ClientSampleId :

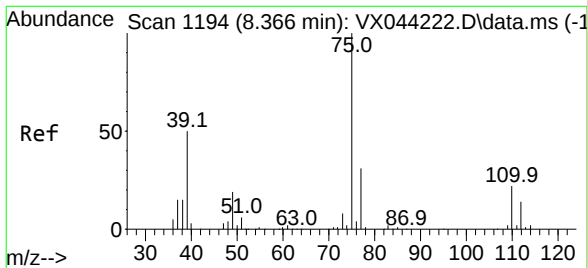
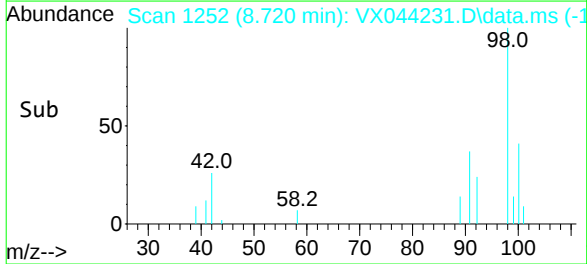
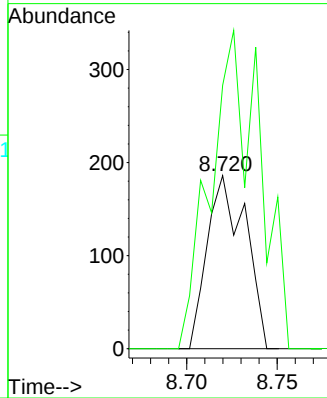
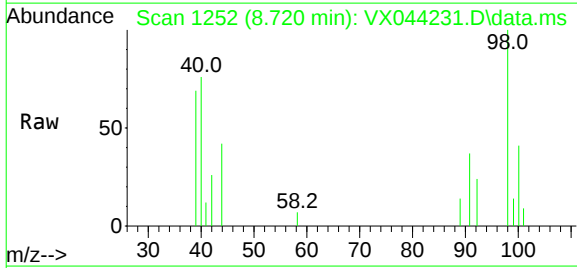
IBLK

Tgt Ion: 92 Resp: 274

Ion Ratio Lower Upper

92 100

91 235.0 137.0 205.6#



#54

cis-1,3-Dichloropropene

Concen: 0.023 ug/l

RT: 8.403 min Scan# 1200

Delta R.T. 0.036 min

Lab File: VX044231.D

Acq: 11 Dec 2024 16:31

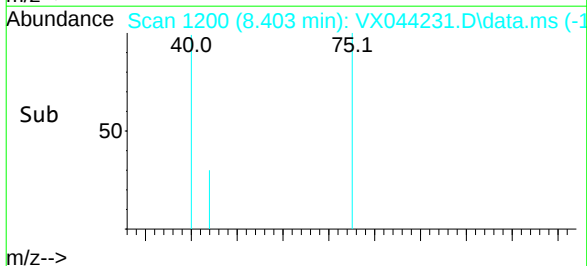
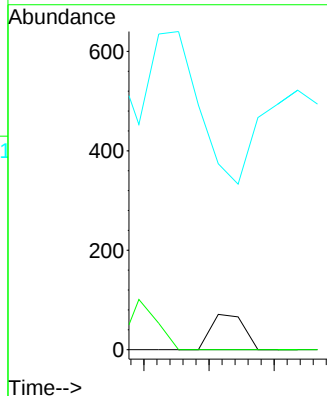
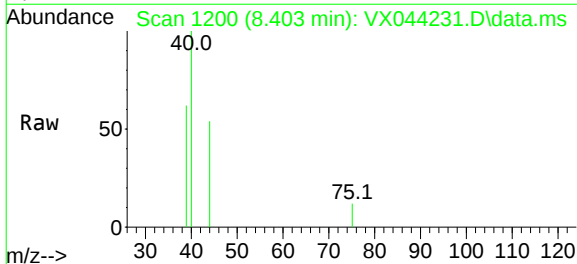
Tgt Ion: 75 Resp: 50

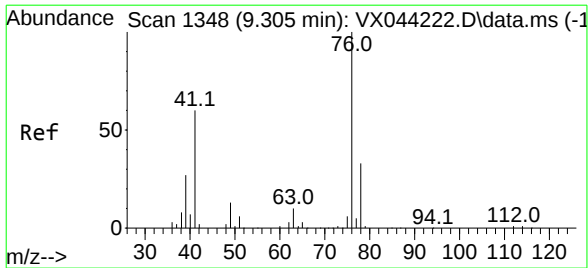
Ion Ratio Lower Upper

75 100

77 0.0 24.7 37.1#

39 0.0 40.3 60.5#

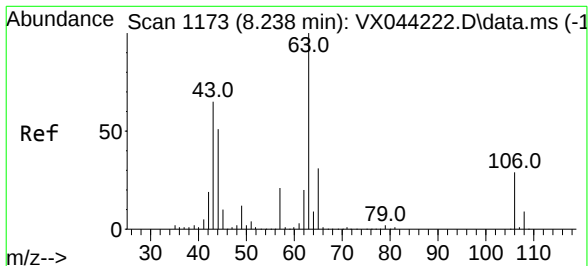
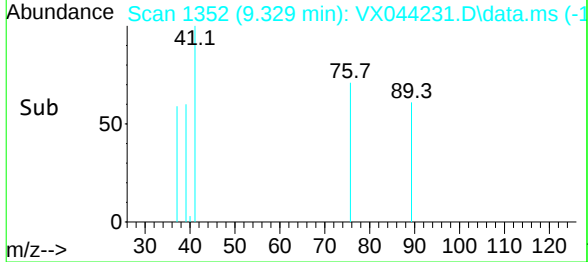
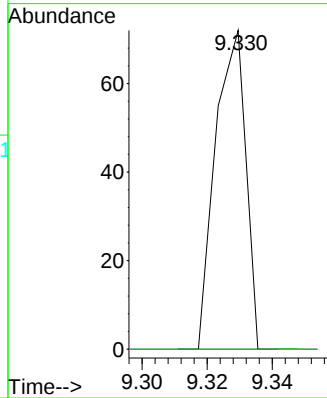
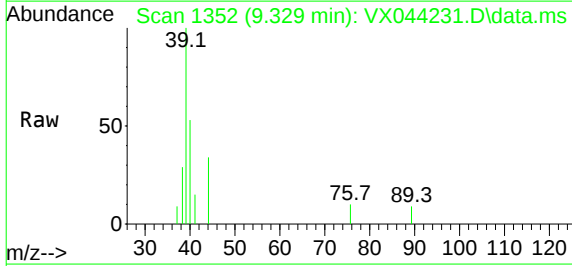




#57  
1,3-Dichloropropane  
Concen: 0.018 ug/l  
RT: 9.329 min Scan# 13  
Delta R.T. 0.024 min  
Lab File: VX044231.D  
Acq: 11 Dec 2024 16:31

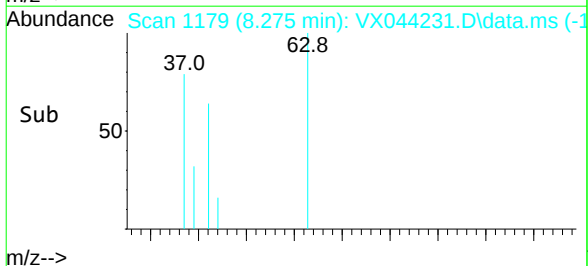
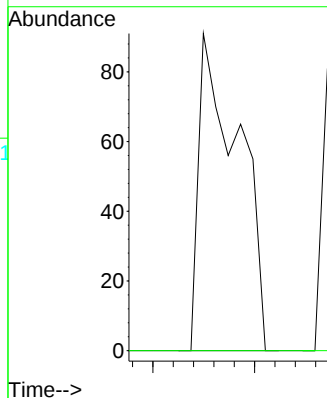
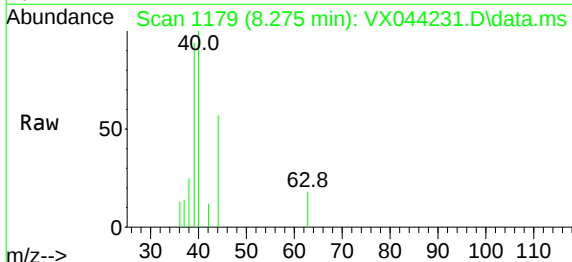
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

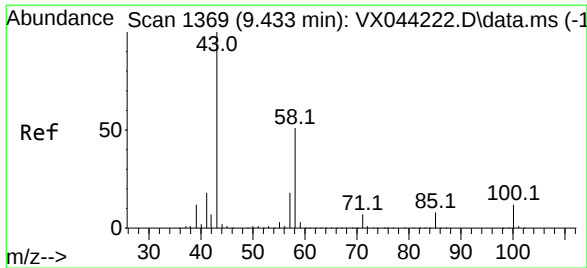
Tgt Ion: 76 Resp: 46  
Ion Ratio Lower Upper  
76 100  
78 0.0 26.5 39.7#



#58  
2-Chloroethyl Vinyl ether  
Concen: 0.105 ug/l  
RT: 8.275 min Scan# 1179  
Delta R.T. 0.036 min  
Lab File: VX044231.D  
Acq: 11 Dec 2024 16:31

Tgt Ion: 63 Resp: 123  
Ion Ratio Lower Upper  
63 100  
106 0.0 22.8 34.2#

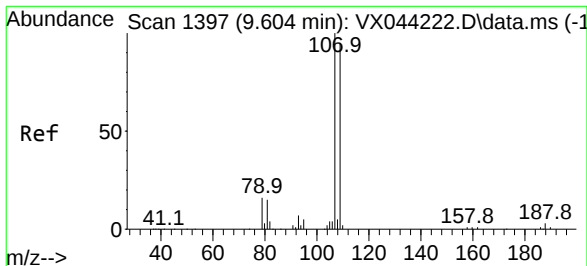
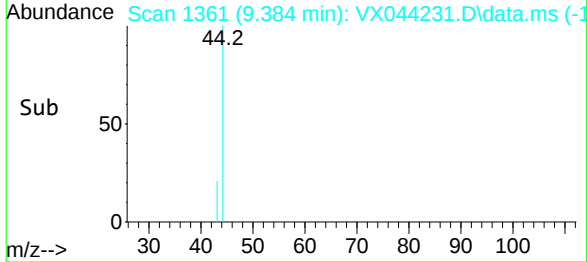
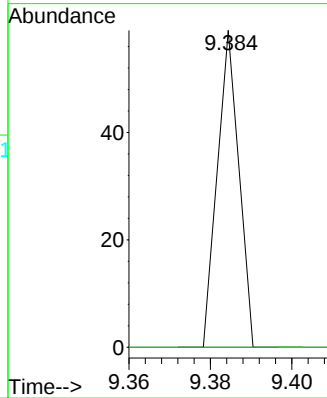
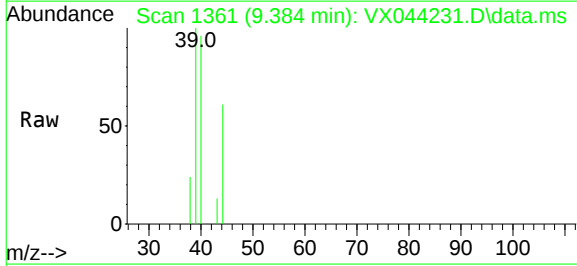




#59  
2-Hexanone  
Concen: 0.013 ug/l  
RT: 9.384 min Scan# 1369  
Delta R.T. -0.049 min  
Lab File: VX044231.D  
Acq: 11 Dec 2024 16:31

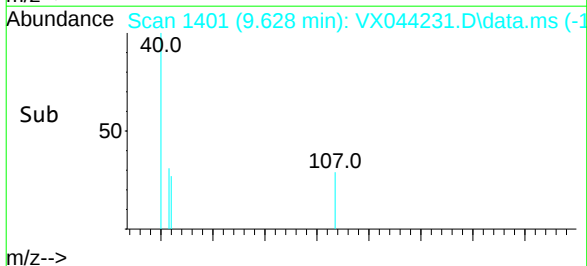
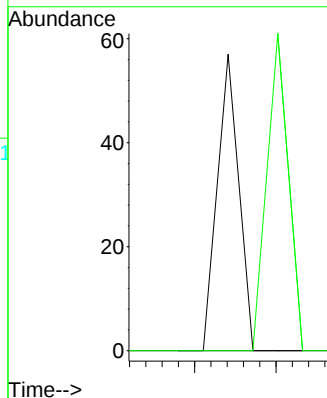
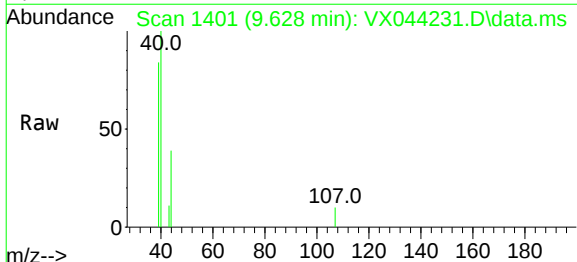
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

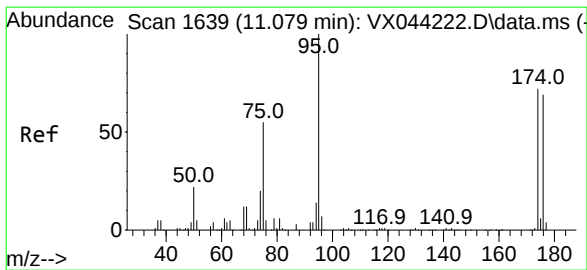
Tgt Ion: 43 Resp: 22  
Ion Ratio Lower Upper  
43 100  
58 0.0 25.7 77.0#



#61  
1,2-Dibromoethane  
Concen: 0.014 ug/l  
RT: 9.628 min Scan# 1401  
Delta R.T. 0.024 min  
Lab File: VX044231.D  
Acq: 11 Dec 2024 16:31

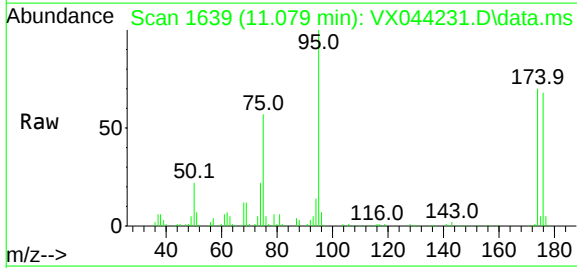
Tgt Ion: 107 Resp: 21  
Ion Ratio Lower Upper  
107 100  
109 104.8 77.0 115.4



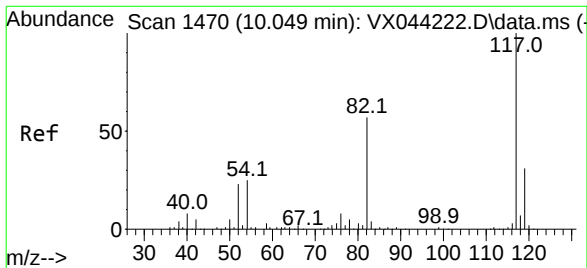
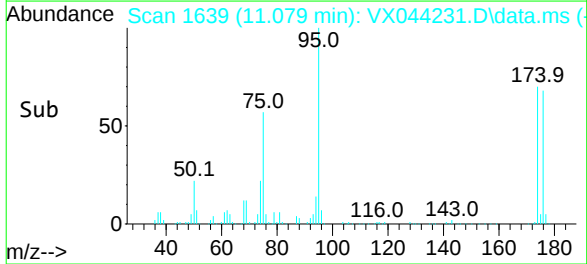
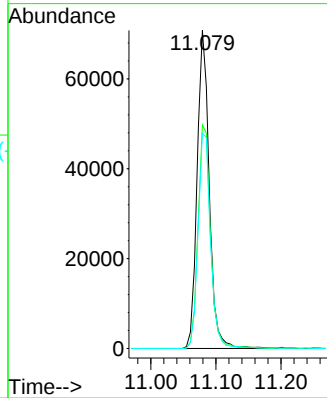


#62  
4-Bromofluorobenzene  
Concen: 51.815 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX044231.D  
Acq: 11 Dec 2024 16:31

Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

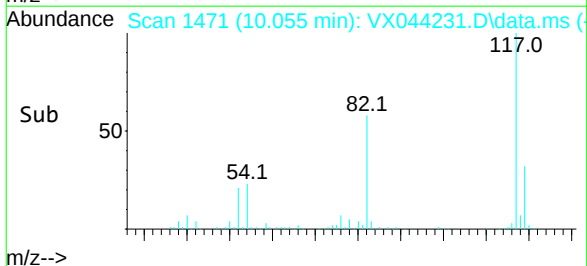
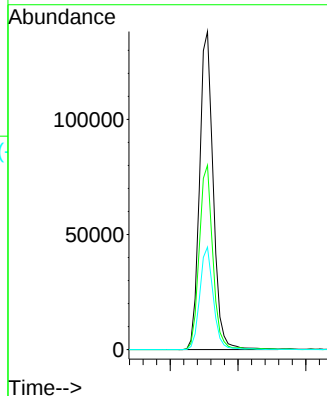
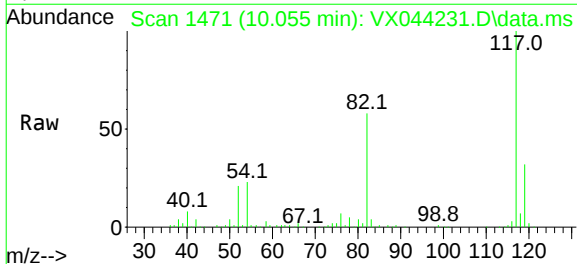


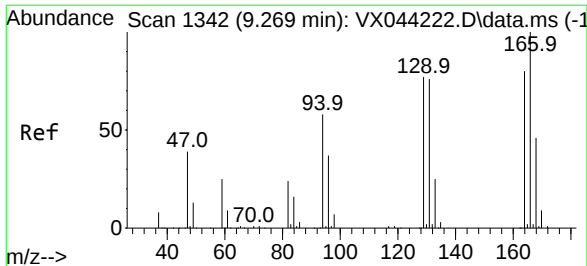
Tgt Ion: 95 Resp: 91612  
Ion Ratio Lower Upper  
95 100  
174 72.8 0.0 145.8  
176 69.9 0.0 137.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.006 min  
Lab File: VX044231.D  
Acq: 11 Dec 2024 16:31

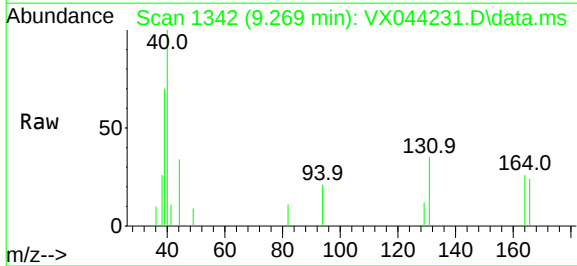
Tgt Ion: 117 Resp: 193218  
Ion Ratio Lower Upper  
117 100  
82 58.0 45.8 68.8  
119 32.2 25.0 37.4



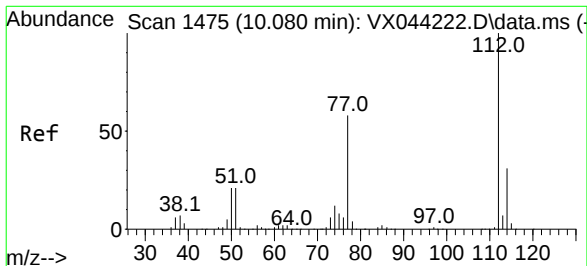
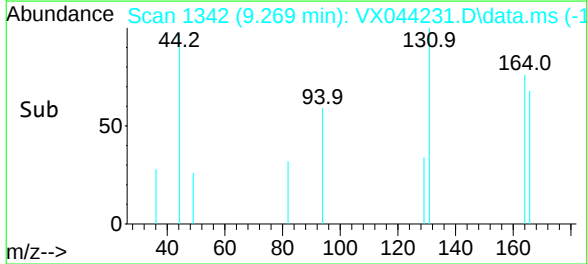
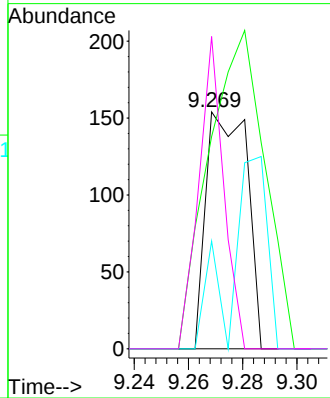


#64  
Tetrachloroethene  
Concen: 0.126 ug/l  
RT: 9.269 min Scan# 131  
Delta R.T. -0.000 min  
Lab File: VX044231.D  
Acq: 11 Dec 2024 16:31

Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

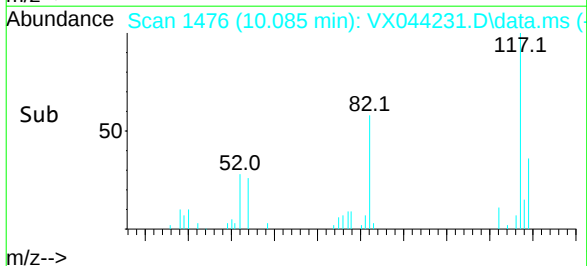
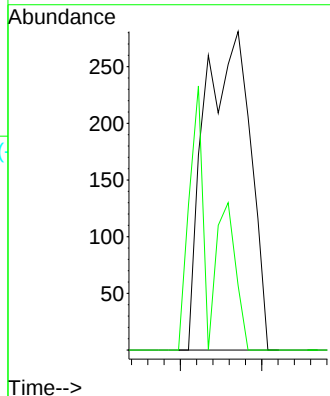
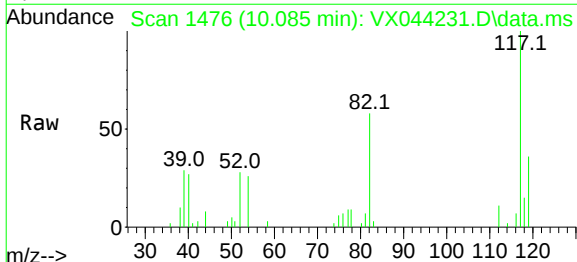


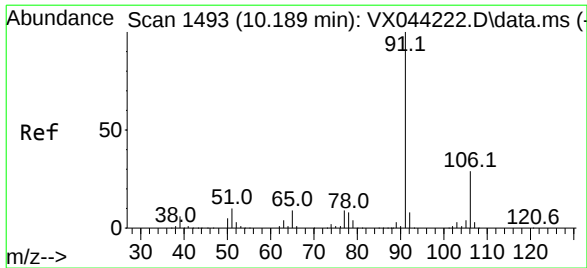
Tgt Ion:164 Resp: 161  
Ion Ratio Lower Upper  
164 100  
166 89.6 100.4 150.6#  
129 45.5 77.2 115.8#  
131 131.8 76.2 114.2#



#65  
Chlorobenzene  
Concen: 0.132 ug/l  
RT: 10.085 min Scan# 1476  
Delta R.T. 0.006 min  
Lab File: VX044231.D  
Acq: 11 Dec 2024 16:31

Tgt Ion:112 Resp: 547  
Ion Ratio Lower Upper  
112 100  
114 20.3 25.0 37.6#





#67

Ethyl Benzene

Concen: 0.099 ug/l

RT: 10.201 min Scan# 1495

Delta R.T. 0.012 min

Lab File: VX044231.D

Acq: 11 Dec 2024 16:31

Instrument :

MSVOA\_X

ClientSampleId :

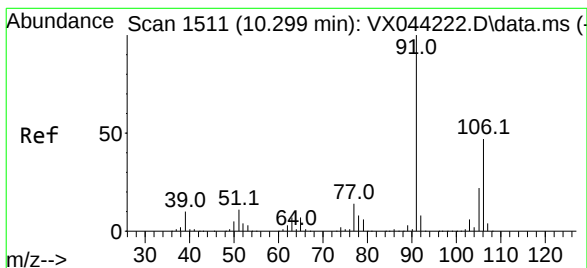
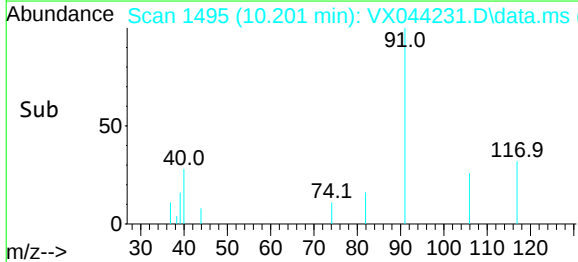
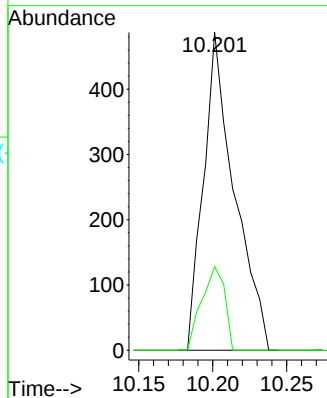
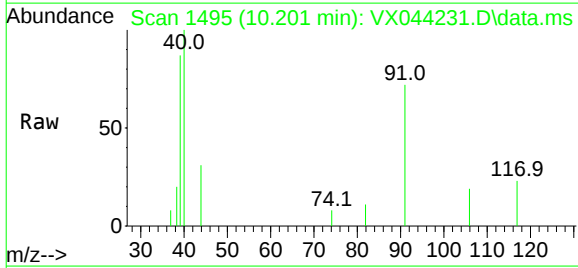
IBLK

Tgt Ion: 91 Resp: 707

Ion Ratio Lower Upper

91 100

106 26.3 23.5 35.3



#68

m/p-Xylenes

Concen: 0.168 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX044231.D

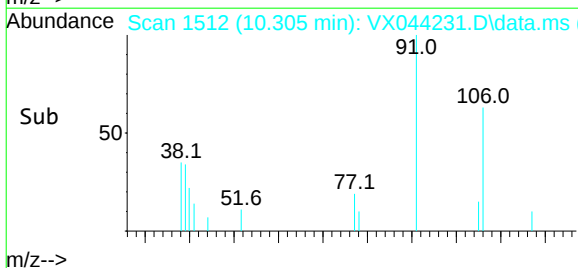
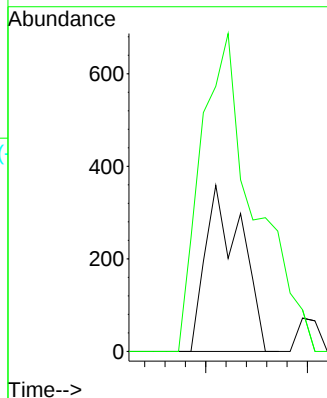
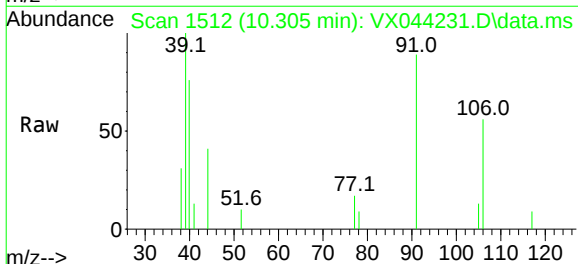
Acq: 11 Dec 2024 16:31

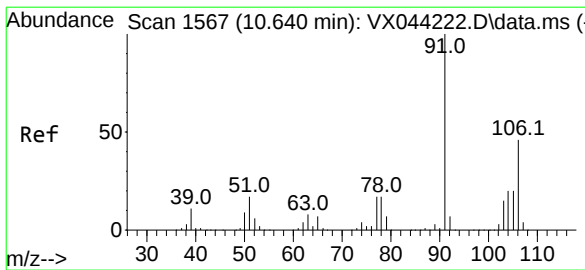
Tgt Ion: 106 Resp: 441

Ion Ratio Lower Upper

106 100

91 285.5 170.2 255.2#





#69

o-Xylene

Concen: 0.044 ug/l

RT: 10.646 min Scan# 15

Delta R.T. 0.006 min

Lab File: VX044231.D

Acq: 11 Dec 2024 16:31

Instrument :

MSVOA\_X

ClientSampleId :

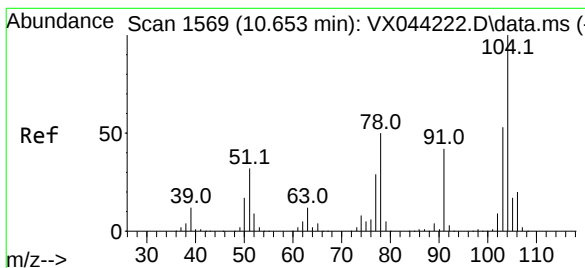
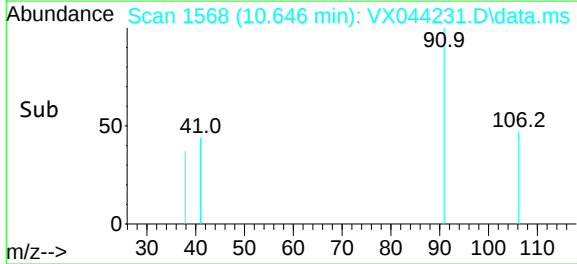
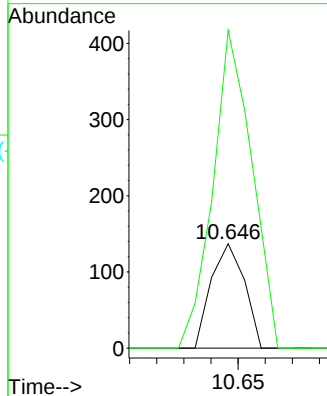
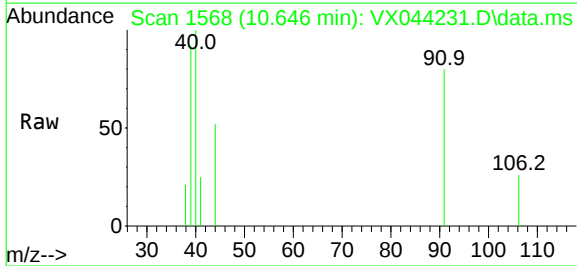
IBLK

Tgt Ion:106 Resp: 117

Ion Ratio Lower Upper

106 100

91 355.6 112.3 337.0#



#70

Styrene

Concen: 0.054 ug/l

RT: 10.671 min Scan# 1572

Delta R.T. 0.018 min

Lab File: VX044231.D

Acq: 11 Dec 2024 16:31

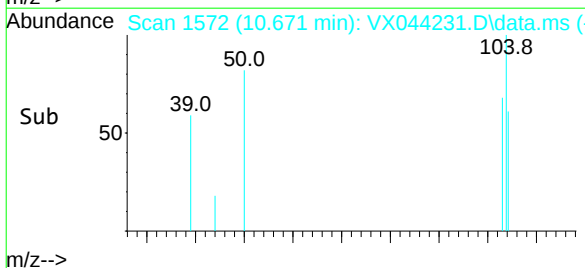
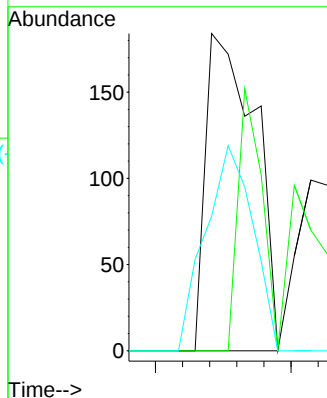
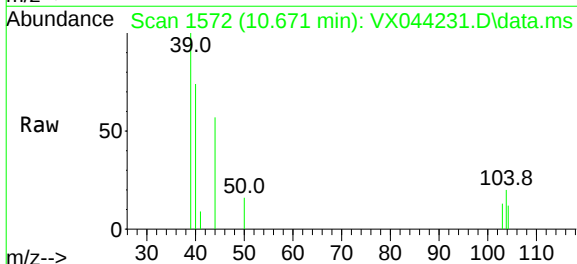
Tgt Ion:104 Resp: 232

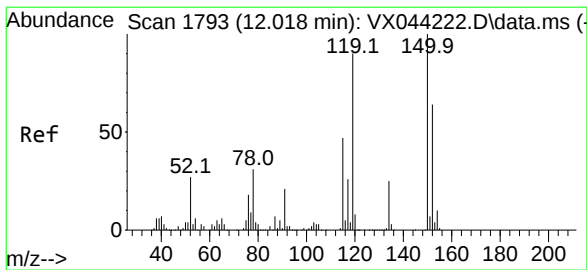
Ion Ratio Lower Upper

104 100

78 40.1 44.6 67.0#

103 62.5 45.4 68.0

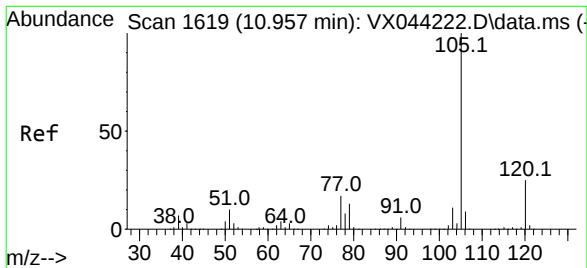
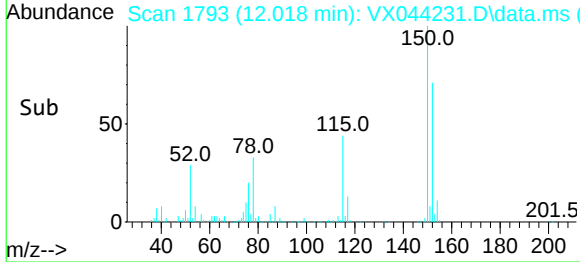
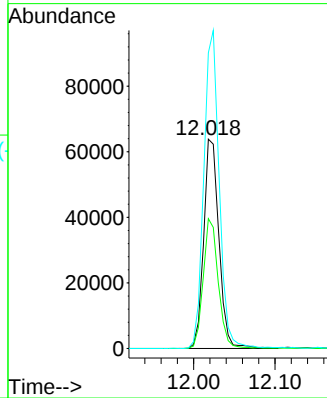
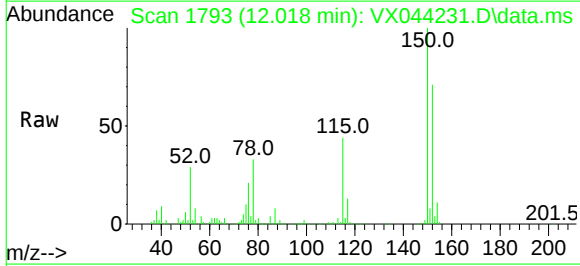




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VX044231.D  
Acq: 11 Dec 2024 16:31

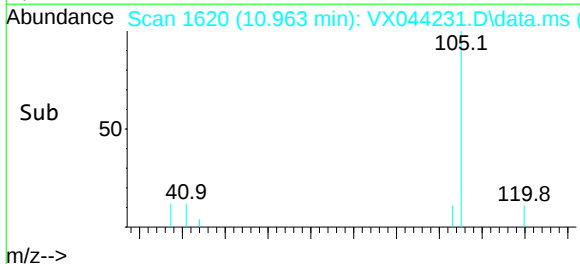
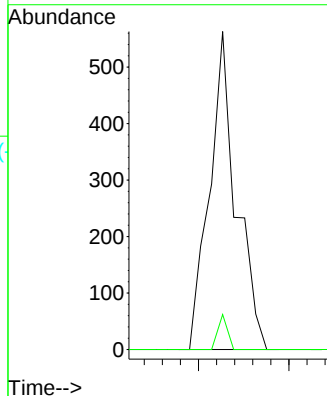
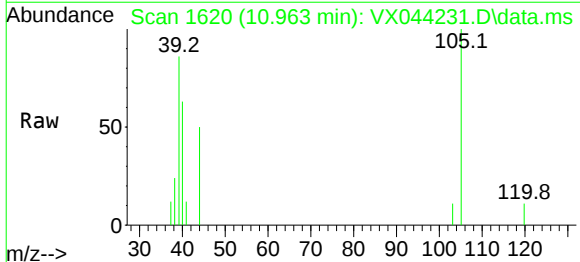
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

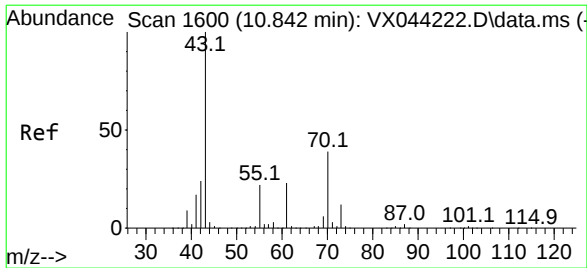
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 61.5  | 44.5  | 133.3 |
| 150     | 153.8 | 0.0   | 353.8 |



#73  
Isopropylbenzene  
Concen: 0.090 ug/l  
RT: 10.963 min Scan# 1620  
Delta R.T. 0.006 min  
Lab File: VX044231.D  
Acq: 11 Dec 2024 16:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 4.0   | 13.1  | 39.3# |





#74

N-amyI acetate

Concen: 0.010 ug/l

RT: 10.908 min Scan# 16

Delta R.T. 0.067 min

Lab File: VX044231.D

Acq: 11 Dec 2024 16:31

Instrument :

MSVOA\_X

ClientSampleId :

IBLK

Tgt Ion: 43 Resp: 29

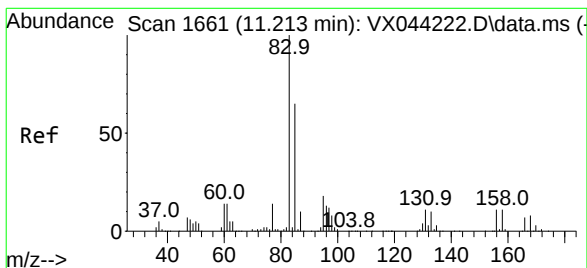
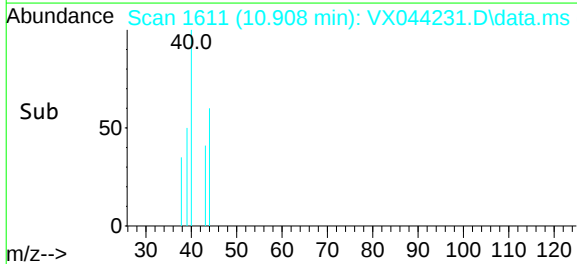
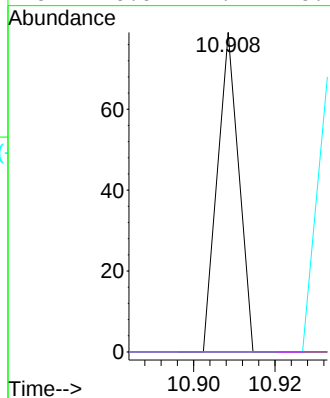
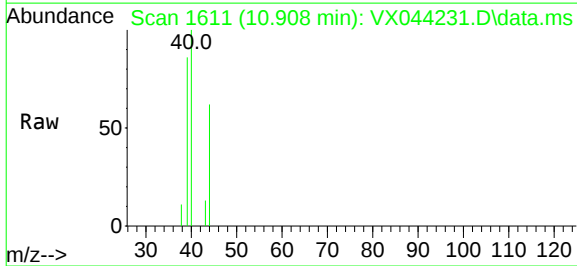
Ion Ratio Lower Upper

43 100

70 0.0 31.9 47.9#

55 0.0 17.9 26.9#

61 0.0 17.9 26.9#



#75

1,1,2,2-Tetrachloroethane

Concen: 0.023 ug/l

RT: 11.232 min Scan# 1664

Delta R.T. 0.018 min

Lab File: VX044231.D

Acq: 11 Dec 2024 16:31

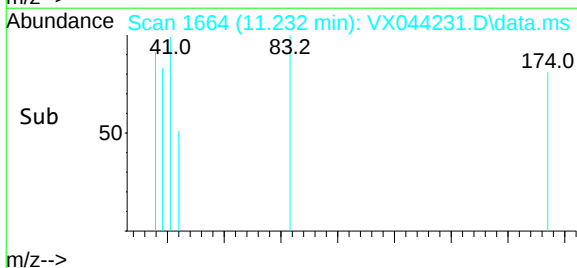
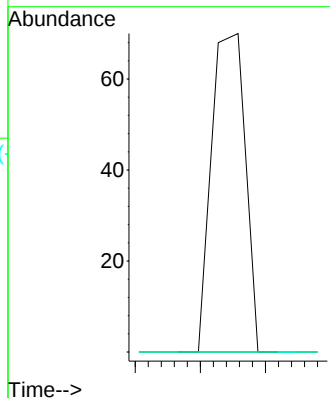
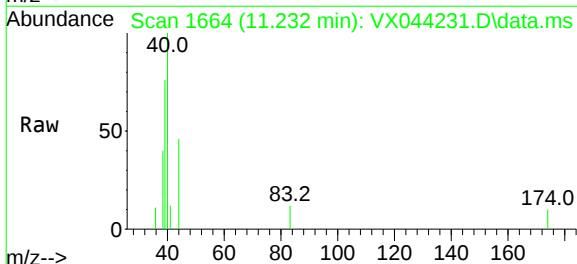
Tgt Ion: 83 Resp: 50

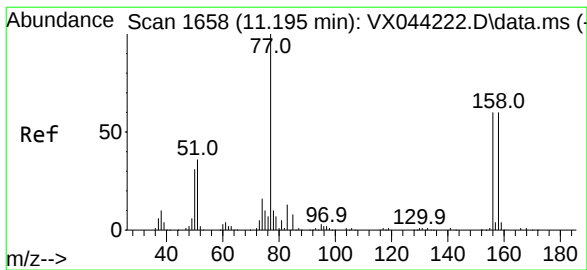
Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

85 0.0 32.5 97.4#





#77

Bromobenzene

Concen: 0.088 ug/l

RT: 11.201 min Scan# 1658

Delta R.T. 0.006 min

Lab File: VX044231.D

Acq: 11 Dec 2024 16:31

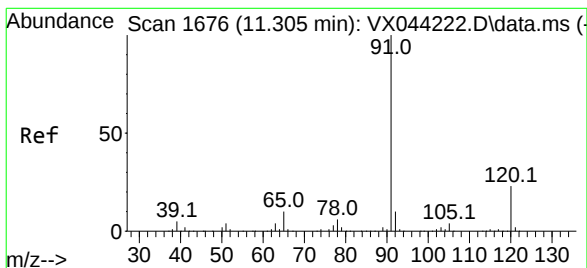
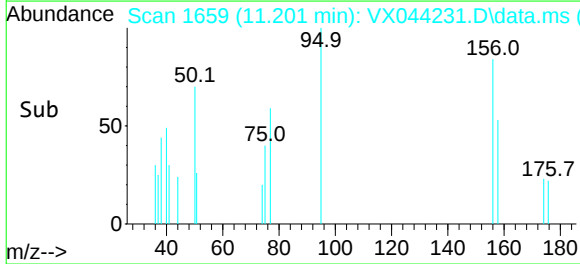
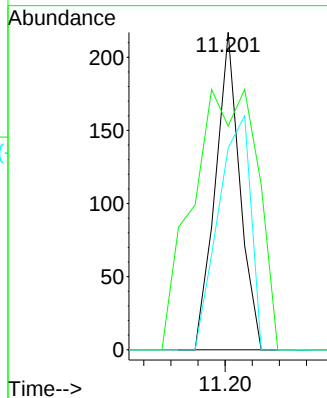
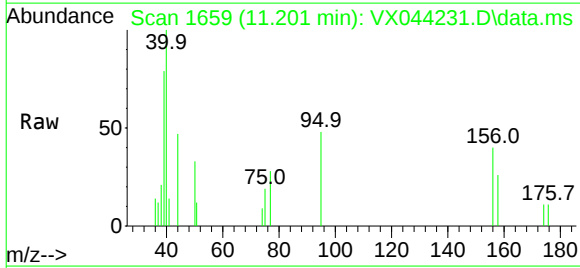
Instrument :

MSVOA\_X

ClientSampleId :

IBLK

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 156   | Resp: | 136   |
| Ion      | Ratio | Lower | Upper |
| 156      | 100   |       |       |
| 77       | 216.2 | 82.6  | 247.8 |
| 158      | 97.8  | 48.8  | 146.4 |



#78

n-propylbenzene

Concen: 0.116 ug/l

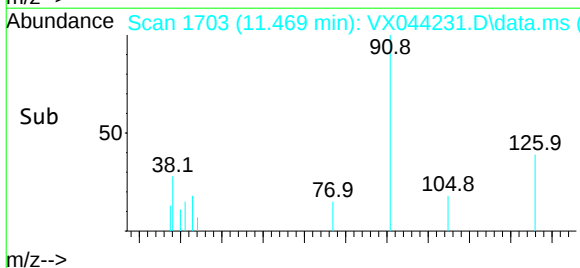
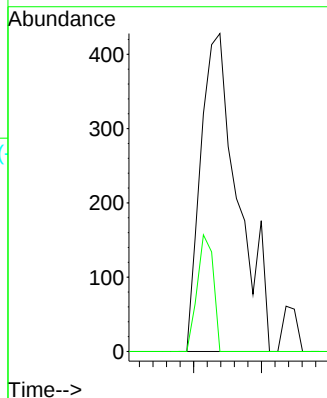
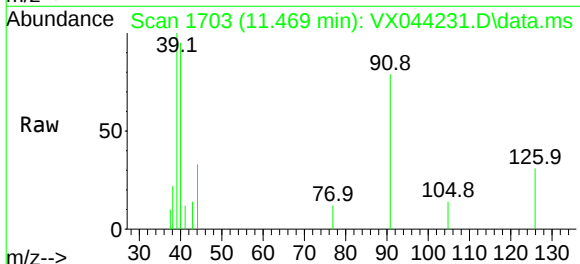
RT: 11.469 min Scan# 1703

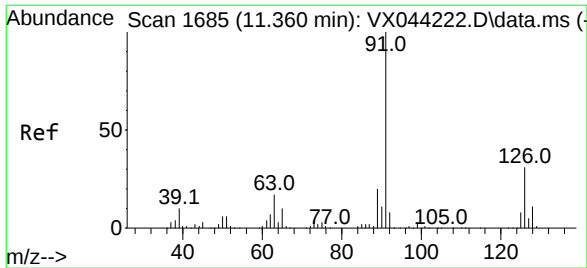
Delta R.T. 0.164 min

Lab File: VX044231.D

Acq: 11 Dec 2024 16:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 814   |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 120      | 16.0  | 11.0  | 33.0  |





#79

2-Chlorotoluene

Concen: 0.179 ug/l

RT: 11.469 min Scan# 1703

Delta R.T. 0.110 min

Lab File: VX044231.D

Acq: 11 Dec 2024 16:31

Instrument :

MSVOA\_X

ClientSampleId :

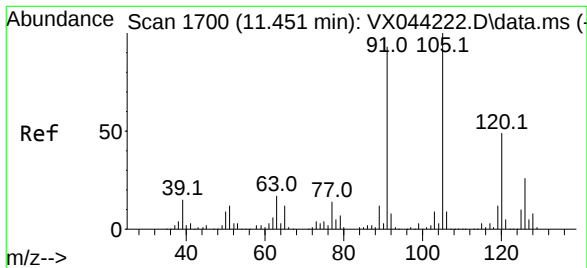
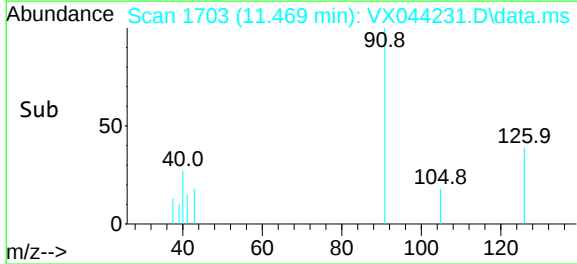
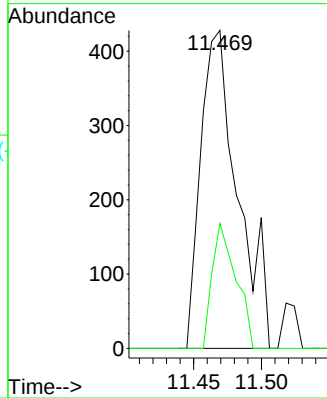
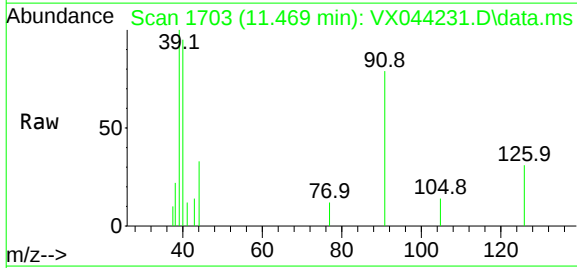
IBLK

Tgt Ion: 91 Resp: 814

Ion Ratio Lower Upper

91 100

126 25.1 16.4 49.1



#80

1,3,5-Trimethylbenzene

Concen: 0.081 ug/l

RT: 11.457 min Scan# 1701

Delta R.T. 0.006 min

Lab File: VX044231.D

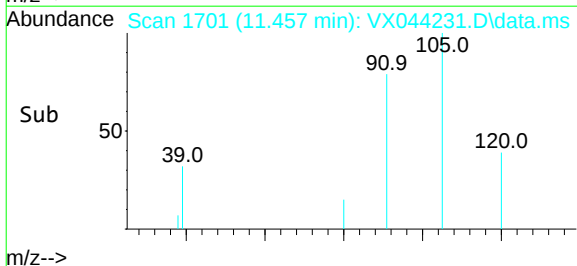
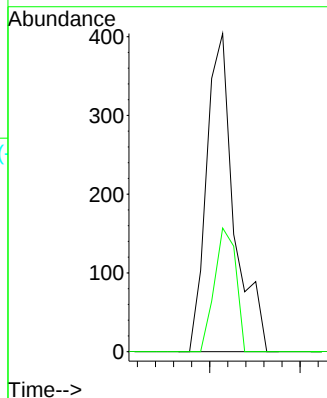
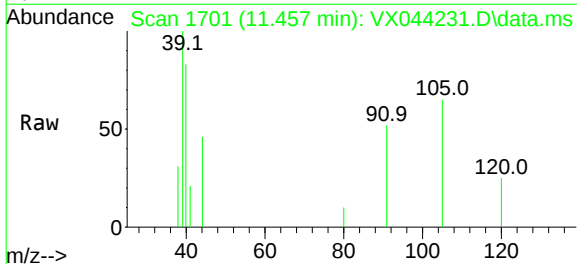
Acq: 11 Dec 2024 16:31

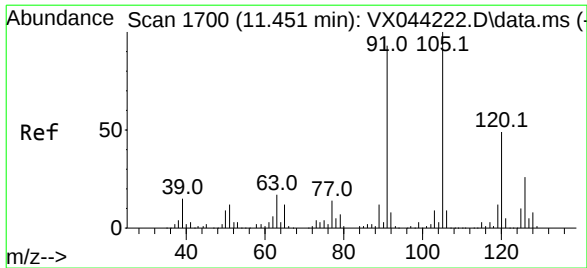
Tgt Ion: 105 Resp: 427

Ion Ratio Lower Upper

105 100

120 30.4 23.8 71.4





#82

4-Chlorotoluene

Concen: 0.162 ug/l

RT: 11.469 min Scan# 1703

Delta R.T. 0.018 min

Lab File: VX044231.D

Acq: 11 Dec 2024 16:31

Instrument :

MSVOA\_X

ClientSampleId :

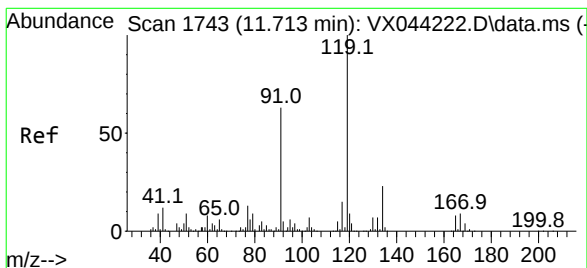
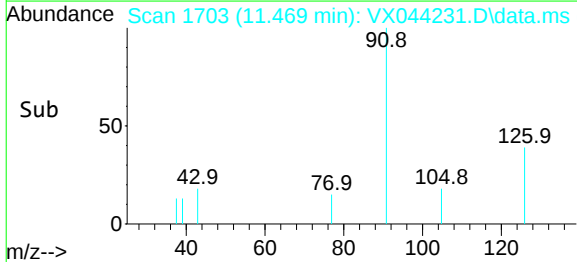
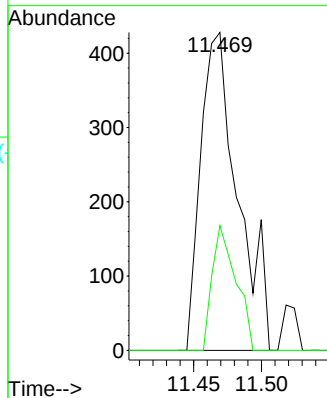
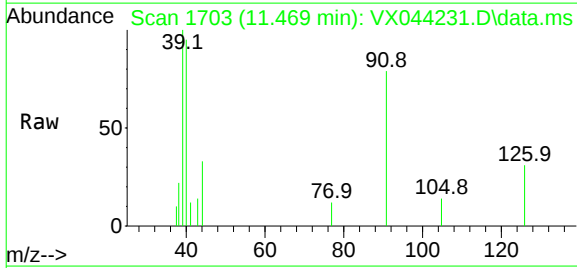
IBLK

Tgt Ion: 91 Resp: 814

Ion Ratio Lower Upper

91 100

126 25.1 14.5 43.5



#83

tert-Butylbenzene

Concen: 0.086 ug/l

RT: 11.719 min Scan# 1744

Delta R.T. 0.006 min

Lab File: VX044231.D

Acq: 11 Dec 2024 16:31

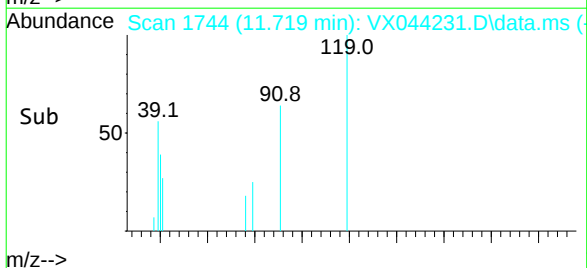
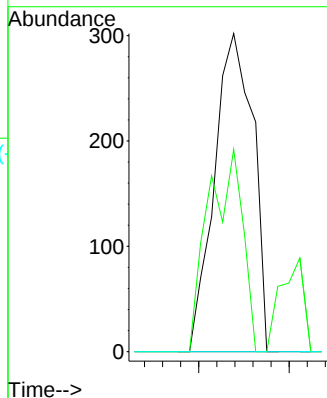
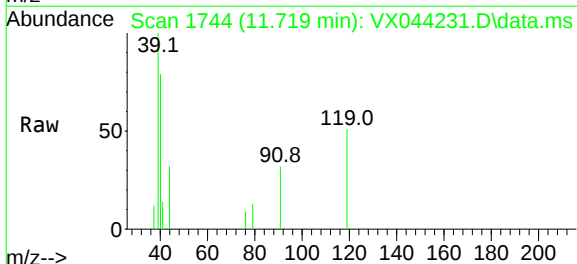
Tgt Ion: 119 Resp: 448

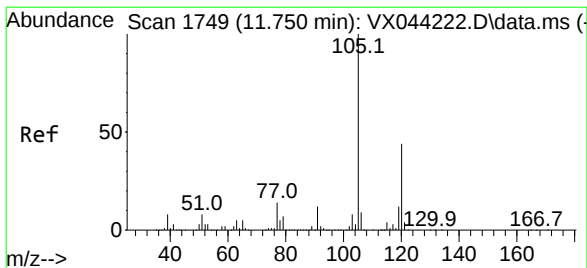
Ion Ratio Lower Upper

119 100

91 56.7 30.9 92.5

134 0.0 11.5 34.4#





#84

1,2,4-Trimethylbenzene

Concen: 0.100 ug/l

RT: 11.762 min Scan# 1749

Delta R.T. 0.012 min

Lab File: VX044231.D

Acq: 11 Dec 2024 16:31

Instrument :

MSVOA\_X

ClientSampleId :

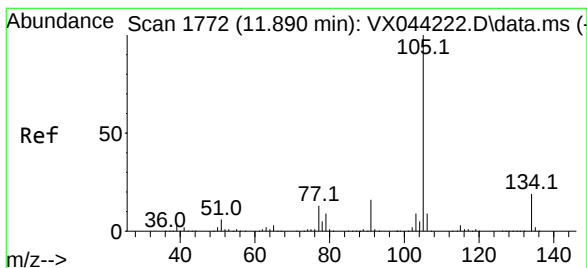
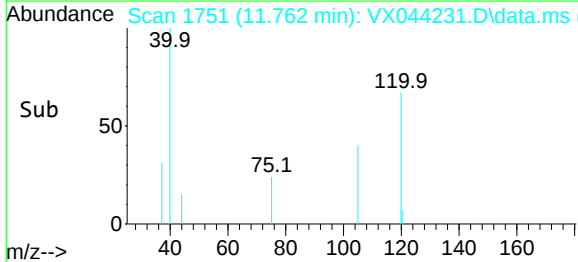
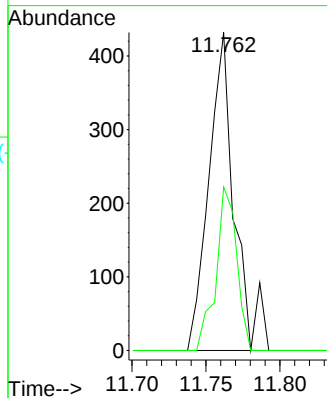
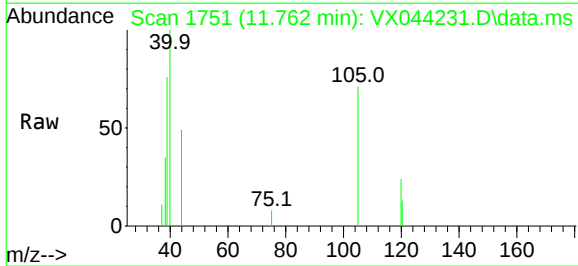
IBLK

Tgt Ion:105 Resp: 520

Ion Ratio Lower Upper

105 100

120 41.3 21.7 65.1



#85

sec-Butylbenzene

Concen: 0.112 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX044231.D

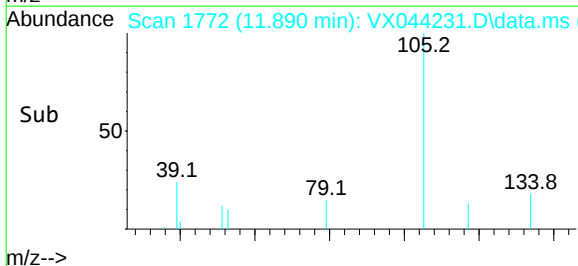
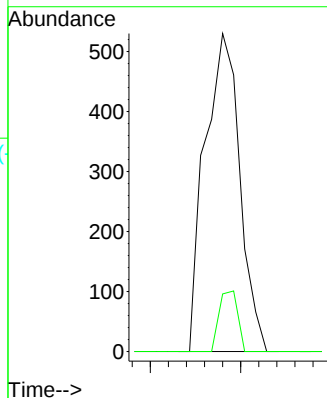
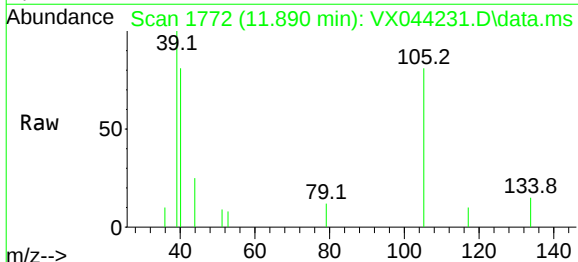
Acq: 11 Dec 2024 16:31

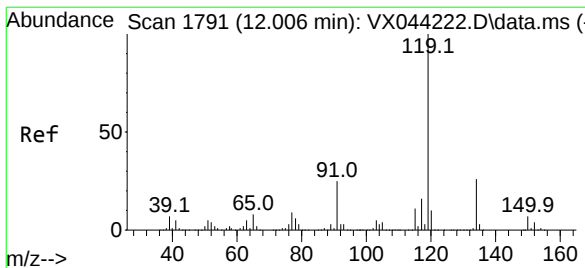
Tgt Ion:105 Resp: 711

Ion Ratio Lower Upper

105 100

134 10.1 9.8 29.4





#86

p-Isopropyltoluene

Concen: 0.103 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX044231.D

Acq: 11 Dec 2024 16:31

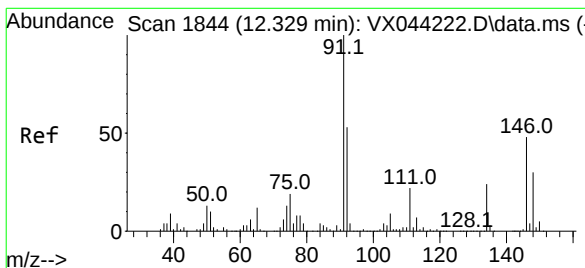
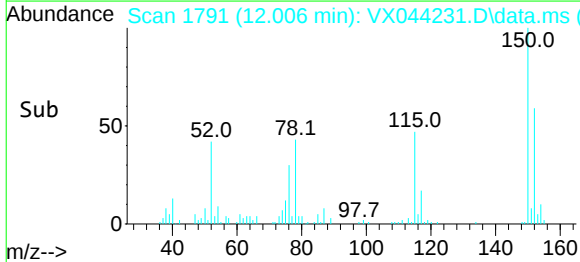
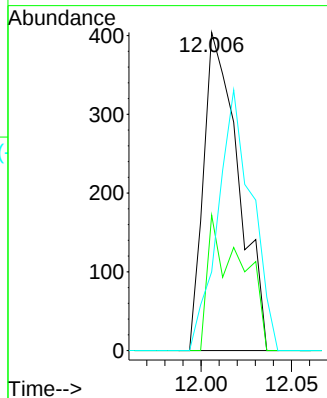
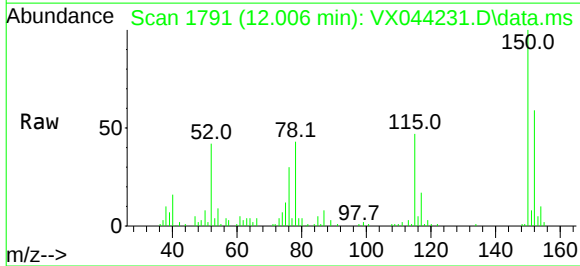
Instrument :

MSVOA\_X

ClientSampleId :

IBLK

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 119   | Resp: | 541   |
| Ion      | Ratio | Lower | Upper |
| 119      | 100   |       |       |
| 134      | 41.2  | 12.8  | 38.4# |
| 91       | 80.4  | 13.0  | 39.0# |



#89

n-Butylbenzene

Concen: 0.131 ug/l

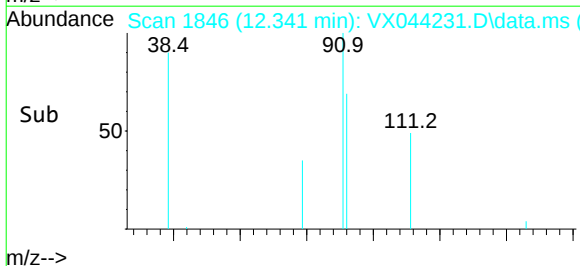
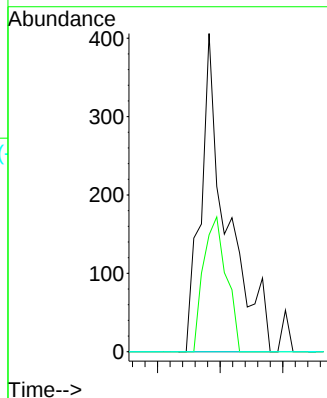
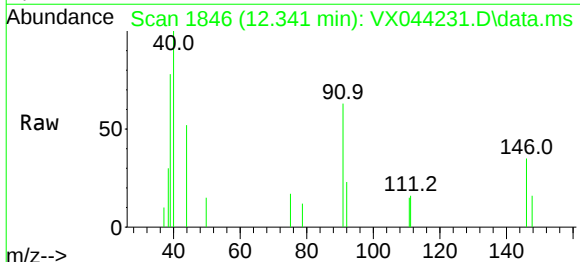
RT: 12.341 min Scan# 1846

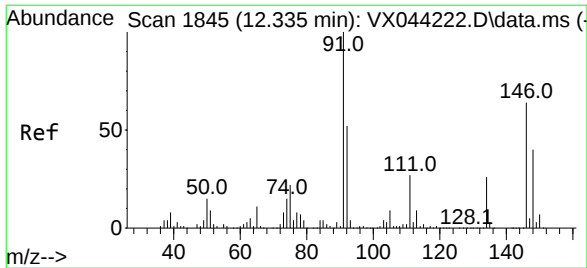
Delta R.T. 0.012 min

Lab File: VX044231.D

Acq: 11 Dec 2024 16:31

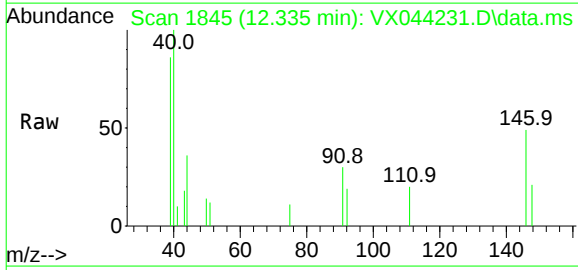
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 579   |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 38.0  | 26.6  | 79.7  |
| 134      | 0.0   | 12.6  | 37.8# |





#91  
 1,2-Dichlorobenzene  
 Concen: 0.125 ug/l  
 RT: 12.335 min Scan# 18  
 Delta R.T. -0.000 min  
 Lab File: VX044231.D  
 Acq: 11 Dec 2024 16:31

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 IBLK



Tgt Ion:146 Resp: 349

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 61.6  | 21.4  | 64.3  |
| 148 | 65.9  | 31.6  | 95.0  |

