

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX041024\  
 Data File : VX040957.D  
 Acq On : 10 Apr 2024 16:06  
 Operator : JC/MD  
 Sample : VSTD00568  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Apr 11 05:26:25 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXMLM041024WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Apr 11 05:26:00 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Difluorobenzene        | 6.757  | 114  | 305848   | 50.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.055 | 117  | 289892   | 50.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024 | 152  | 158787   | 50.000 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 4) Vinyl Chloride-d3          | 1.367  | 65   | 10255    | 4.714  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.672  | 69   | 8571     | 4.825  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.306  | 65   | 4308     | 4.638  | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 4.464  | 46   | 12845    | 10.840 | ug/L   | 0.01     |
| 24) Chloroform-d              | 5.062  | 84   | 18970    | 4.674  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.958  | 65   | 13505    | 5.115  | ug/L   | 0.00     |
| 32) Benzene-d6                | 5.976  | 84   | 36059    | 4.582  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 7.312  | 67   | 10520    | 4.583  | ug/L   | 0.00     |
| 41) Toluene-d8                | 8.647  | 98   | 35857    | 4.664  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 8.951  | 79   | 4736     | 4.100  | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 9.384  | 63   | 7887     | 8.125  | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 11.189 | 84   | 15489    | 4.555  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 12.317 | 152  | 14843    | 4.660  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.166  | 85   | 8992     | 4.465  | ug/L   | 98       |
| 3) Chloromethane              | 1.300  | 50   | 8172     | 4.274  | ug/L   | 100      |
| 5) Vinyl chloride             | 1.374  | 62   | 10207    | 4.443  | ug/L   | 92       |
| 6) Bromomethane               | 1.611  | 94   | 6007     | 4.325  | ug/L   | 99       |
| 8) Chloroethane               | 1.691  | 64   | 6407     | 4.482  | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 1.892  | 101  | 15869    | 4.384  | ug/L   | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.331  | 101  | 9024     | 4.362  | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.325  | 96   | 7919     | 4.310  | ug/L   | 86       |
| 13) Acetone                   | 2.379  | 43   | 13034    | 10.148 | ug/L   | 100      |
| 14) Carbon disulfide          | 2.514  | 76   | 19377    | 4.197  | ug/L   | 99       |
| 15) Methyl Acetate            | 2.703  | 43   | 9913     | 4.446  | ug/L   | 99       |
| 16) Methylene chloride        | 2.788  | 84   | 8247     | 4.307  | ug/L   | 93       |
| 17) trans-1,2-Dichloroethene  | 3.093  | 96   | 8075     | 4.246  | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 3.117  | 73   | 24786    | 4.152  | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.617  | 63   | 14517    | 4.298  | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 4.495  | 96   | 9312     | 4.298  | ug/L   | 88       |
| 22) 2-Butanone                | 4.562  | 43   | 14431    | 8.584  | ug/L   | 87       |
| 23) Bromochloromethane        | 4.897  | 128  | 5215     | 4.427  | ug/L   | 89       |
| 25) Chloroform                | 5.098  | 83   | 16058    | 4.338  | ug/L   | 94       |
| 27) 1,2-Dichloroethane        | 6.092  | 62   | 12936    | 4.348  | ug/L   | 99       |
| 29) Cyclohexane               | 5.470  | 56   | 11837    | 4.076  | ug/L # | 64       |
| 30) 1,1,1-Trichloroethane     | 5.385  | 97   | 13347    | 4.108  | ug/L   | 99       |
| 31) Carbon tetrachloride      | 5.684  | 117  | 11813    | 3.990  | ug/L   | 97       |
| 33) Benzene                   | 6.031  | 78   | 32263    | 4.290  | ug/L   | 100      |
| 34) Trichloroethene           | 7.129  | 95   | 9516     | 4.410  | ug/L   | 97       |
| 35) Methylcyclohexane         | 7.385  | 83   | 12521    | 4.092  | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 7.433  | 63   | 8333     | 4.280  | ug/L   | 99       |
| 38) Bromodichloromethane      | 7.824  | 83   | 10955    | 4.014  | ug/L # | 97       |
| 39) cis-1,3-Dichloropropene   | 8.366  | 75   | 12220    | 3.842  | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 8.573  | 43   | 22866    | 7.755  | ug/L   | 99       |
| 42) Toluene                   | 8.720  | 91   | 34442    | 4.135  | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 8.982  | 75   | 10832    | 3.644  | ug/L   | 95       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX041024\  
 Data File : VX040957.D  
 Acq On : 10 Apr 2024 16:06  
 Operator : JC/MD  
 Sample : VSTD00568  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

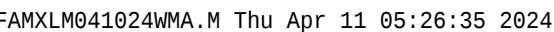
Instrument :  
 MSVOA\_X  
 ClientSampleId :

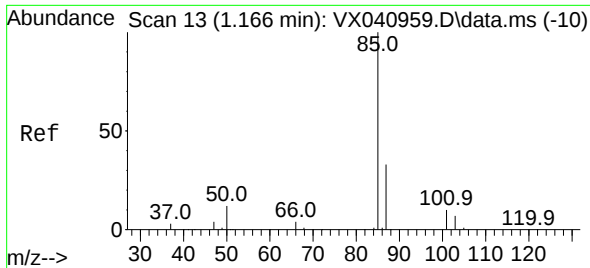
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML041024WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Apr 11 05:26:00 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 45) 1,1,2-Trichloroethane     | 9.153  | 97   | 8980     | 4.247 | ug/L  | 97       |
| 46) Tetrachloroethene         | 9.275  | 164  | 8235     | 4.053 | ug/L  | 96       |
| 48) 2-Hexanone                | 9.433  | 43   | 19176    | 8.051 | ug/L  | 96       |
| 49) Dibromochloromethane      | 9.518  | 129  | 8829     | 3.702 | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 9.610  | 107  | 9289     | 4.072 | ug/L  | 93       |
| 51) Chlorobenzene             | 10.079 | 112  | 24601    | 4.215 | ug/L  | 98       |
| 52) Ethylbenzene              | 10.195 | 91   | 38177    | 4.040 | ug/L  | 98       |
| 53) m,p-Xylene                | 10.299 | 106  | 14843    | 3.939 | ug/L  | 97       |
| 54) o-Xylene                  | 10.640 | 106  | 13852    | 3.812 | ug/L  | 93       |
| 55) Styrene                   | 10.658 | 104  | 23827    | 3.814 | ug/L  | 93       |
| 57) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 12843    | 3.920 | ug/L  | 97       |
| 59) Bromoform                 | 10.799 | 173  | 7607     | 3.904 | ug/L  | 98       |
| 60) Isopropylbenzene          | 10.963 | 105  | 38440    | 4.141 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 11.238 | 75   | 10307    | 4.251 | ug/L  | 97       |
| 62) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 29512    | 3.944 | ug/L  | 96       |
| 63) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 29346    | 3.896 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.969 | 146  | 20230    | 4.153 | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 12.042 | 146  | 21634    | 4.326 | ug/L  | 95       |
| 67) 1,2-Dichlorobenzene       | 12.335 | 146  | 19966    | 4.225 | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.939 | 75   | 2712     | 3.911 | ug/L  | 85       |
| 69) 1,3,5-Trichlorobenzene    | 13.115 | 180  | 15051    | 4.035 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.591 | 180  | 14245    | 4.030 | ug/L  | 95       |
| 71) Naphthalene               | 13.774 | 128  | 35229    | 3.637 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 14078    | 4.061 | ug/L  | 99       |

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

Quant Time: Apr 11 05:26:25 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML041024WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Apr 11 05:26:00 2024  
Response via : Initial Calibration

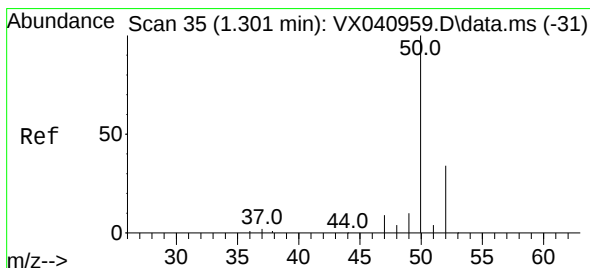
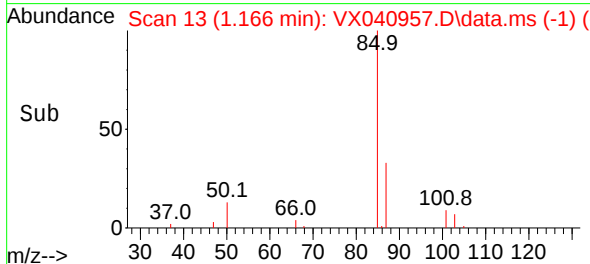
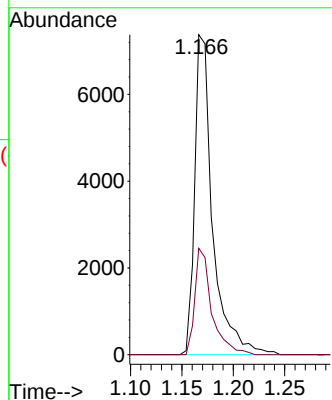
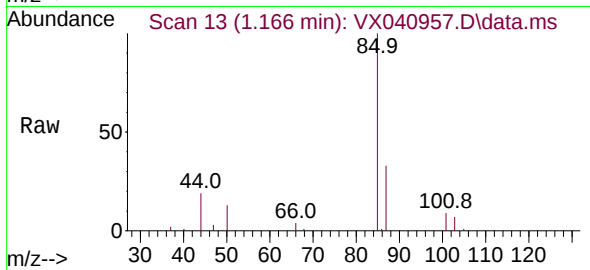




#2  
Dichlorodifluoromethane  
Concen: 4.465 ug/L  
RT: 1.166 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VX040957.D  
Acq: 10 Apr 2024 16:06

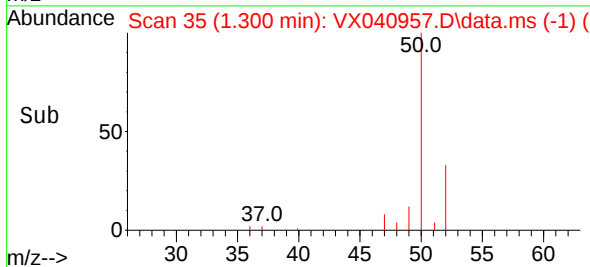
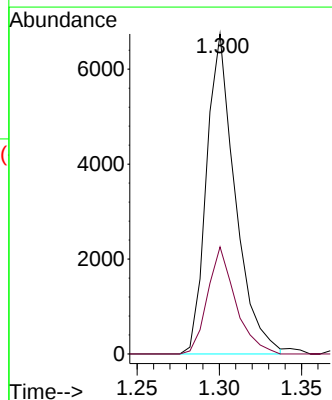
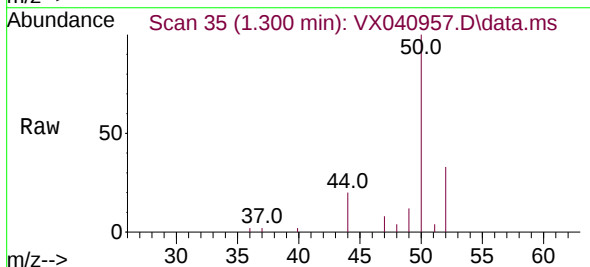
Instrument :  
MSVOA\_X  
ClientSampleId :

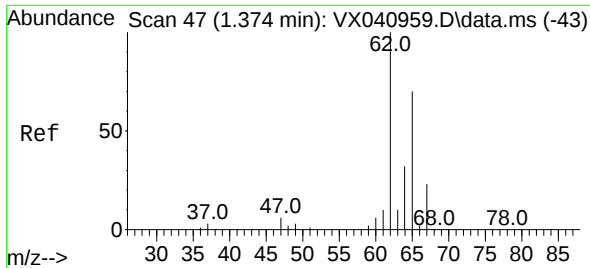
Tgt Ion: 85 Resp: 8992  
Ion Ratio Lower Upper  
85 100  
87 31.4 26.2 39.2



#3  
Chloromethane  
Concen: 4.274 ug/L  
RT: 1.300 min Scan# 35  
Delta R.T. -0.000 min  
Lab File: VX040957.D  
Acq: 10 Apr 2024 16:06

Tgt Ion: 50 Resp: 8172  
Ion Ratio Lower Upper  
50 100  
52 33.4 23.5 43.7

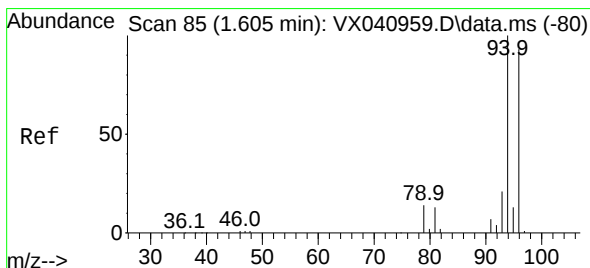
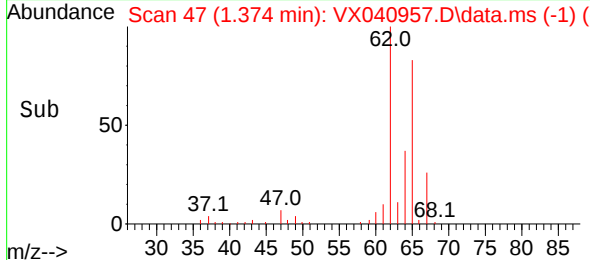
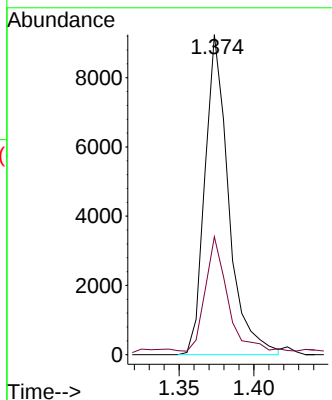
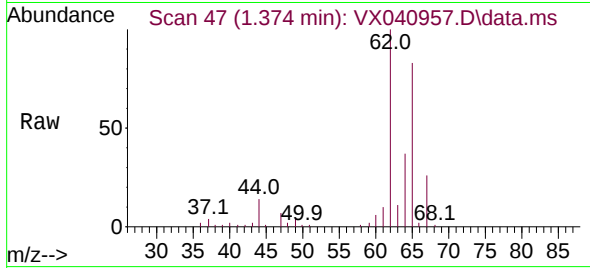




#5  
 Vinyl chloride  
 Concen: 4.443 ug/L  
 RT: 1.374 min Scan# 41  
 Delta R.T. -0.000 min  
 Lab File: VX040957.D  
 Acq: 10 Apr 2024 16:06

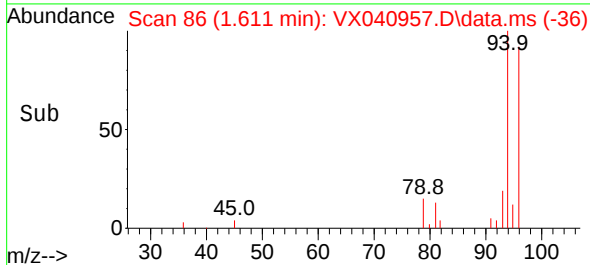
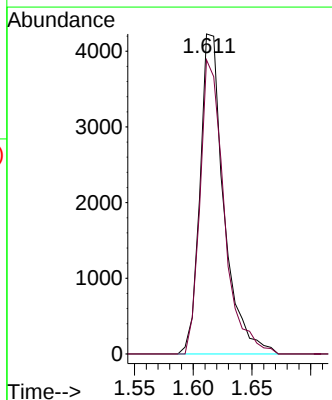
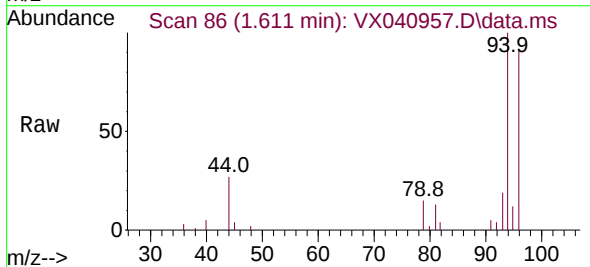
Instrument :  
 MSVOA\_X  
 ClientSampleId :

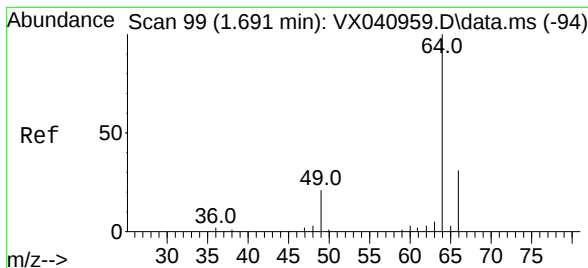
Tgt Ion: 62 Resp: 10207  
 Ion Ratio Lower Upper  
 62 100  
 64 36.9 22.5 41.9



#6  
 Bromomethane  
 Concen: 4.325 ug/L  
 RT: 1.611 min Scan# 86  
 Delta R.T. 0.006 min  
 Lab File: VX040957.D  
 Acq: 10 Apr 2024 16:06

Tgt Ion: 94 Resp: 6007  
 Ion Ratio Lower Upper  
 94 100  
 96 91.9 64.8 120.3





#8

Chloroethane

Concen: 4.482 ug/L

RT: 1.691 min Scan# 99

Delta R.T. -0.000 min

Lab File: VX040957.D

Acq: 10 Apr 2024 16:06

Instrument :

MSVOA\_X

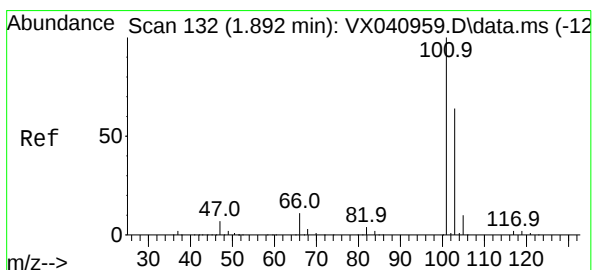
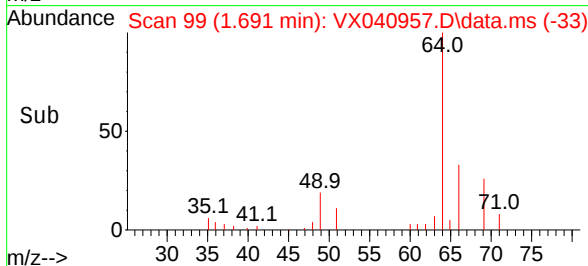
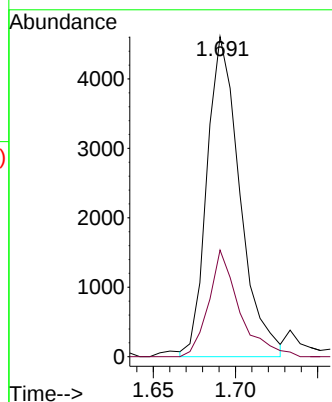
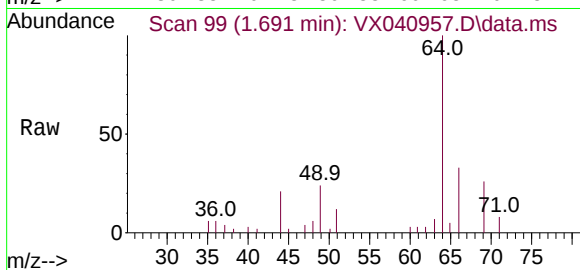
ClientSampleId :

Tgt Ion: 64 Resp: 6407

Ion Ratio Lower Upper

64 100

66 33.3 21.8 40.6



#9

Trichlorofluoromethane

Concen: 4.384 ug/L

RT: 1.892 min Scan# 132

Delta R.T. -0.000 min

Lab File: VX040957.D

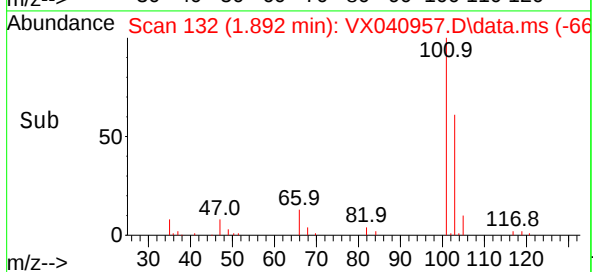
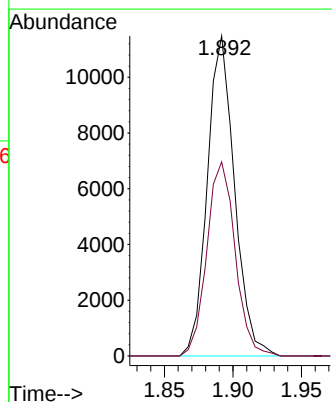
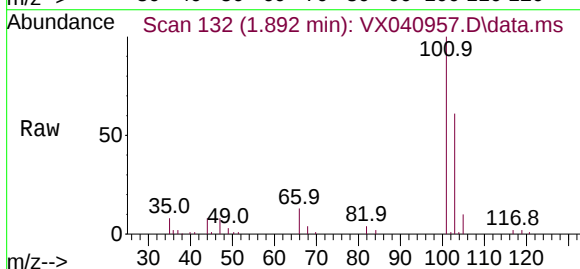
Acq: 10 Apr 2024 16:06

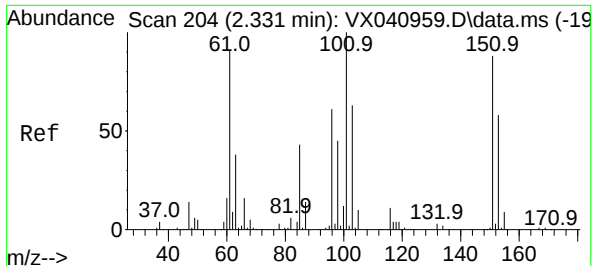
Tgt Ion:101 Resp: 15869

Ion Ratio Lower Upper

101 100

103 63.0 52.5 78.7





#10

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

Concen: 4.362 ug/L

RT: 2.331 min Scan# 204

Delta R.T. -0.000 min

Lab File: VX040957.D

Acq: 10 Apr 2024 16:06

Instrument :

MSVOA\_X

ClientSampleId :

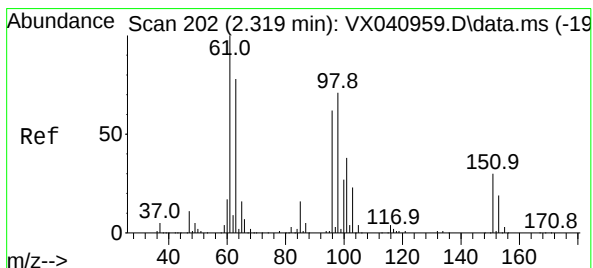
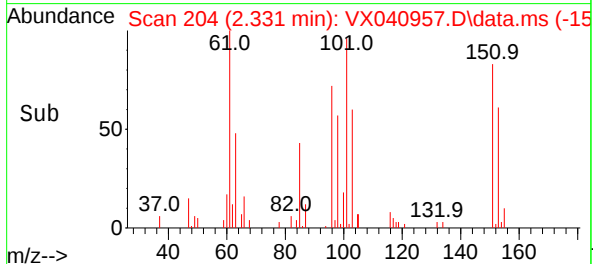
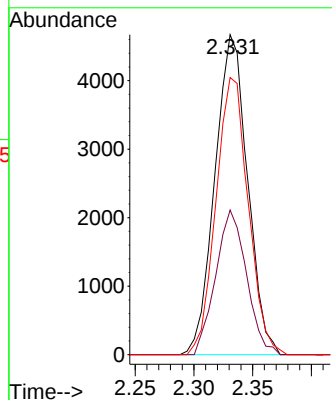
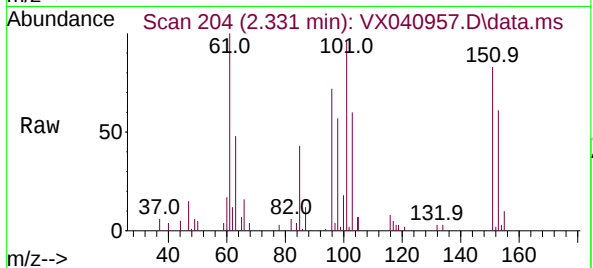
Tgt Ion:101 Resp: 9024

Ion Ratio Lower Upper

101 100

85 42.6 33.7 50.5

151 85.6 69.9 104.9



#12

1,1-Dichloroethene

Concen: 4.310 ug/L

RT: 2.325 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX040957.D

Acq: 10 Apr 2024 16:06

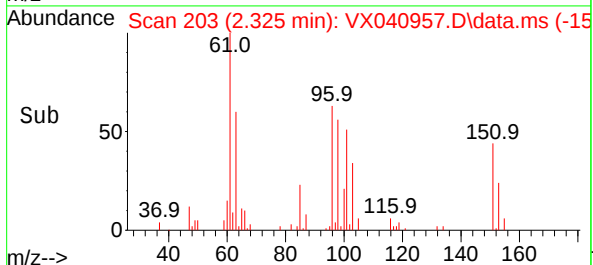
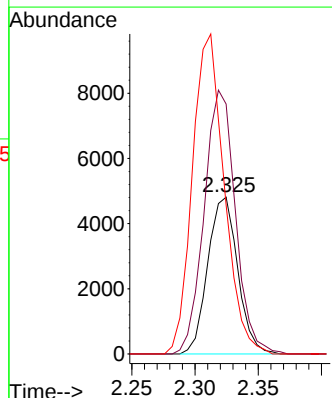
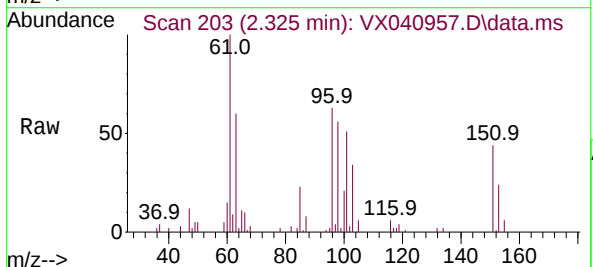
Tgt Ion: 96 Resp: 7919

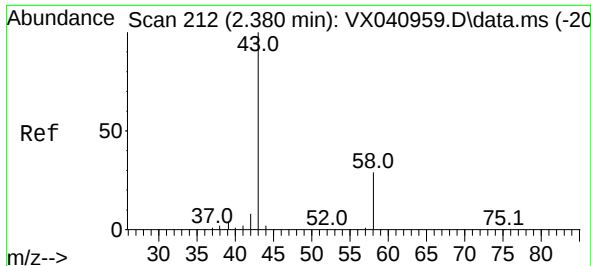
Ion Ratio Lower Upper

96 100

61 159.5 113.6 211.0

63 94.9 89.3 165.9





#13

Acetone

Concen: 10.148 ug/L

RT: 2.379 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX040957.D

Acq: 10 Apr 2024 16:06

Instrument :

MSVOA\_X

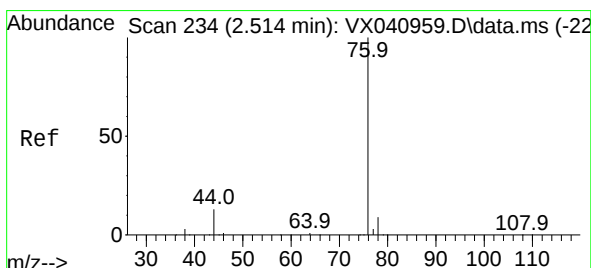
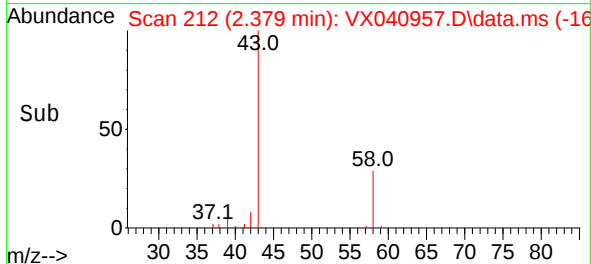
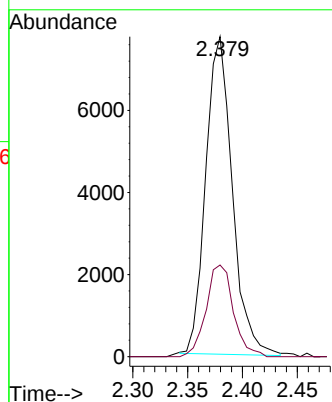
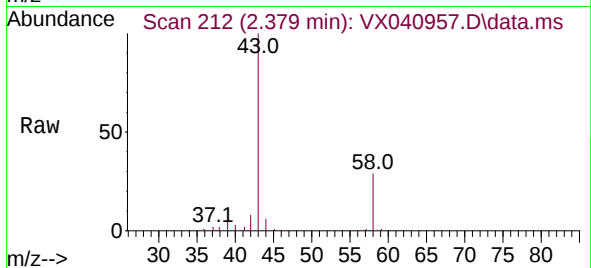
ClientSampleId :

Tgt Ion: 43 Resp: 13034

Ion Ratio Lower Upper

43 100

58 29.6 0.0 59.4



#14

Carbon disulfide

Concen: 4.197 ug/L

RT: 2.514 min Scan# 234

Delta R.T. -0.000 min

Lab File: VX040957.D

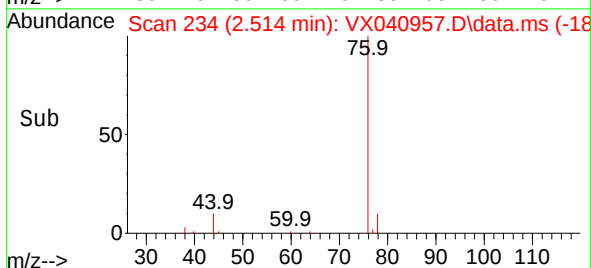
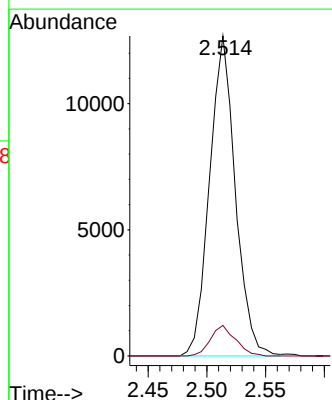
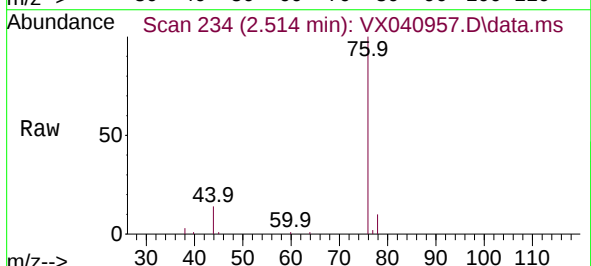
Acq: 10 Apr 2024 16:06

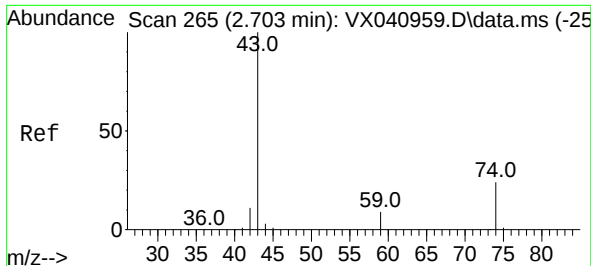
Tgt Ion: 76 Resp: 19377

Ion Ratio Lower Upper

76 100

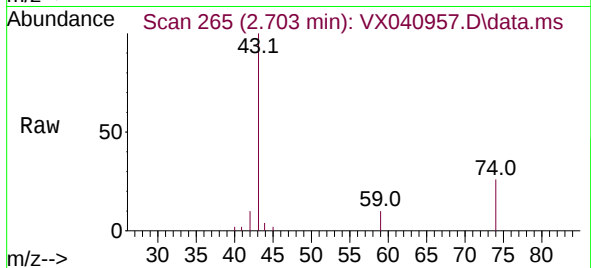
78 9.5 7.4 11.2



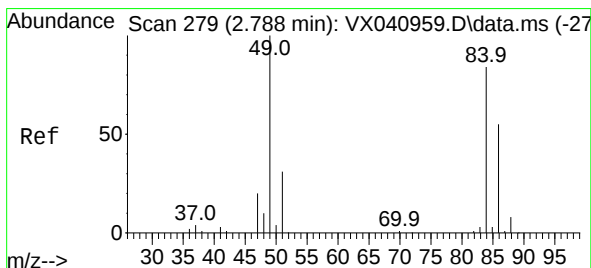
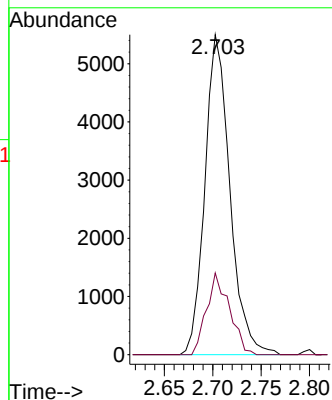
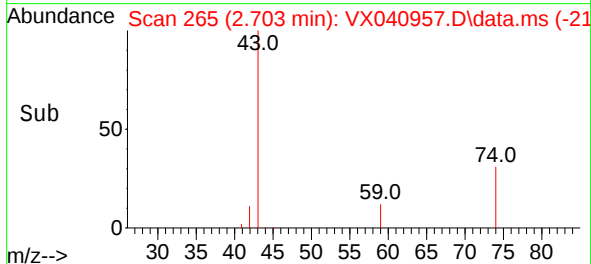


#15  
Methyl Acetate  
Concen: 4.446 ug/L  
RT: 2.703 min Scan# 265  
Delta R.T. -0.000 min  
Lab File: VX040957.D  
Acq: 10 Apr 2024 16:06

Instrument :  
MSVOA\_X  
ClientSampleId :

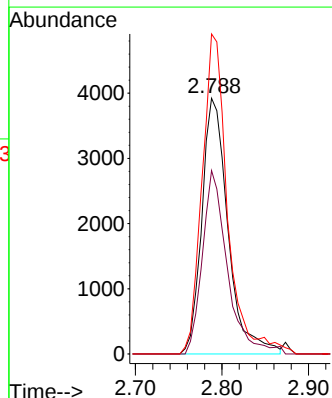
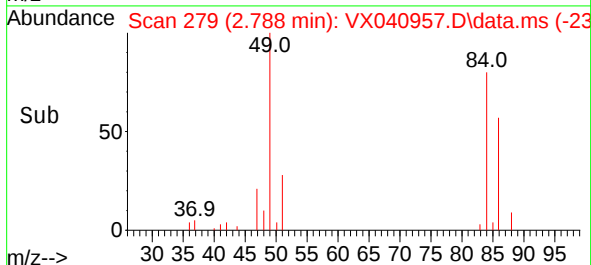
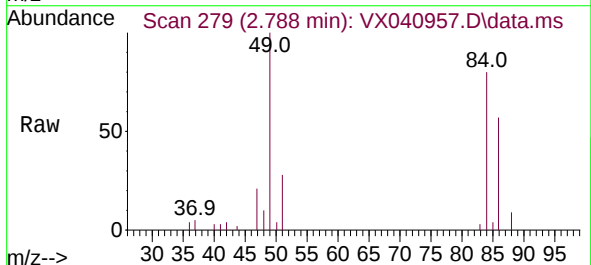


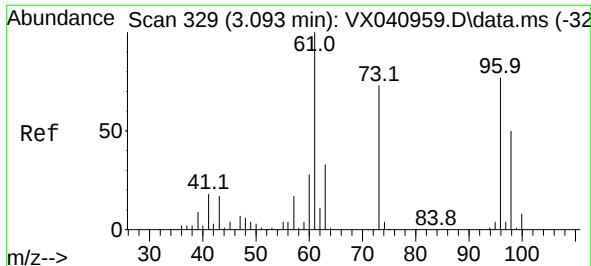
Tgt Ion: 43 Resp: 9913  
Ion Ratio Lower Upper  
43 100  
74 23.4 19.2 28.8



#16  
Methylene chloride  
Concen: 4.307 ug/L  
RT: 2.788 min Scan# 279  
Delta R.T. -0.000 min  
Lab File: VX040957.D  
Acq: 10 Apr 2024 16:06

Tgt Ion: 84 Resp: 8247  
Ion Ratio Lower Upper  
84 100  
86 71.7 45.9 85.3  
49 125.2 83.1 154.3





#17

trans-1,2-Dichloroethene

Concen: 4.246 ug/L

RT: 3.093 min Scan# 329

Delta R.T. -0.000 min

Lab File: VX040957.D

Acq: 10 Apr 2024 16:06

Instrument :

MSVOA\_X

ClientSampleId :

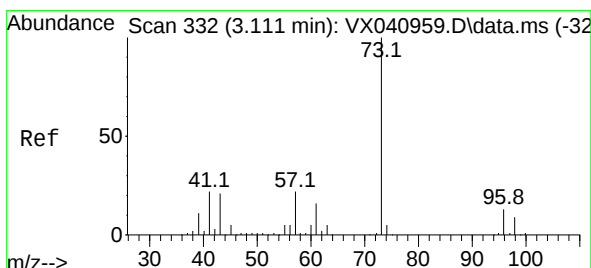
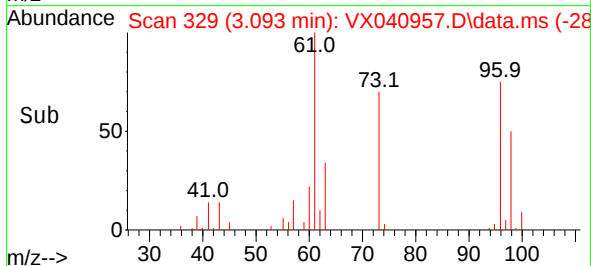
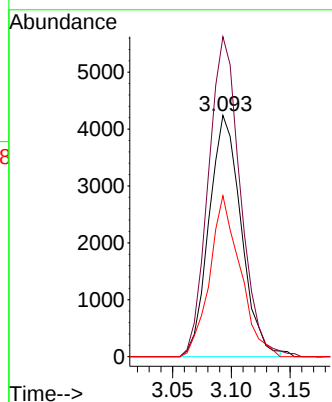
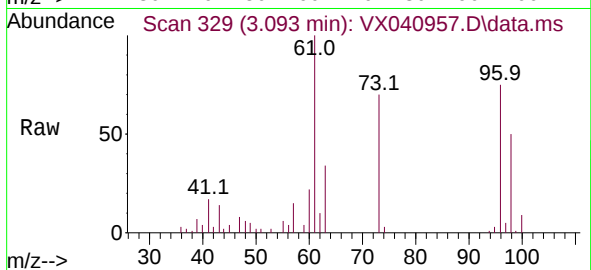
Tgt Ion: 96 Resp: 8075

Ion Ratio Lower Upper

96 100

61 132.6 91.4 169.8

98 66.7 45.6 84.6



#18

Methyl tert-butyl Ether

Concen: 4.152 ug/L

RT: 3.117 min Scan# 333

Delta R.T. 0.006 min

Lab File: VX040957.D

Acq: 10 Apr 2024 16:06

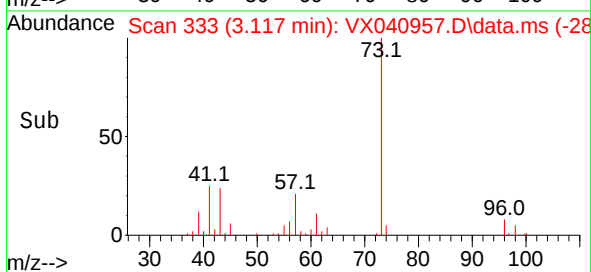
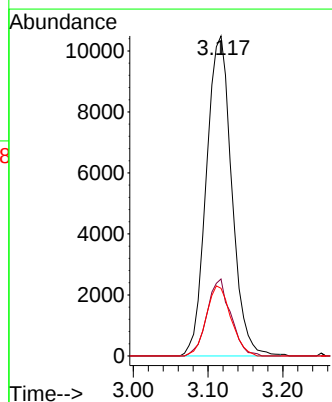
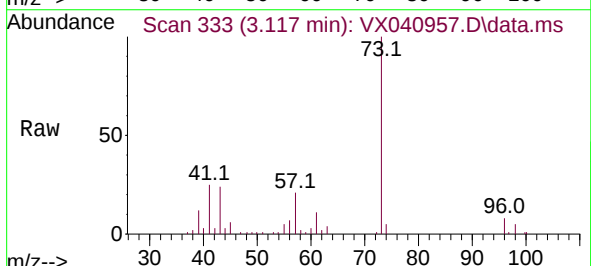
Tgt Ion: 73 Resp: 24786

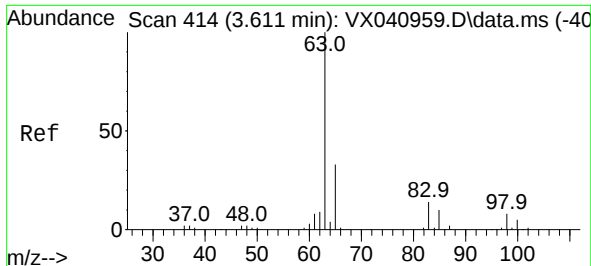
Ion Ratio Lower Upper

73 100

43 22.4 16.6 25.0

57 21.4 17.3 25.9





#19

1,1-Dichloroethane

Concen: 4.298 ug/L

RT: 3.617 min Scan# 41

Delta R.T. 0.006 min

Lab File: VX040957.D

Acq: 10 Apr 2024 16:06

Instrument :

MSVOA\_X

ClientSampleId :

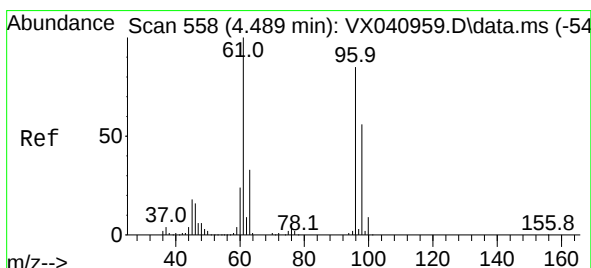
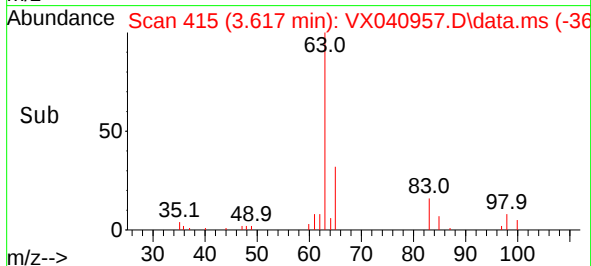
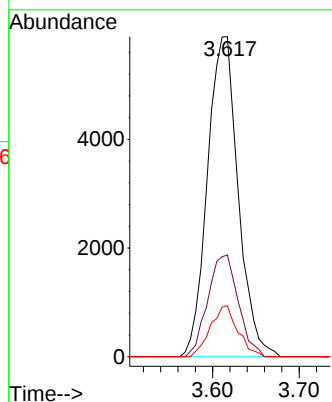
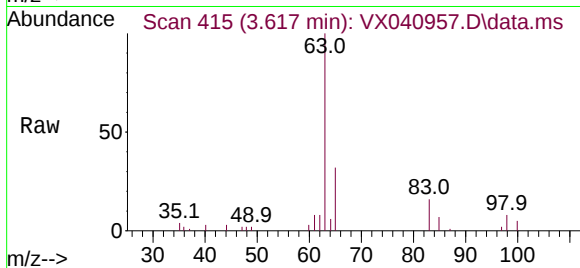
Tgt Ion: 63 Resp: 14517

Ion Ratio Lower Upper

63 100

65 31.7 22.9 42.5

83 15.9 10.1 18.7



#20

cis-1,2-Dichloroethene

Concen: 4.298 ug/L

RT: 4.495 min Scan# 559

Delta R.T. 0.006 min

Lab File: VX040957.D

Acq: 10 Apr 2024 16:06

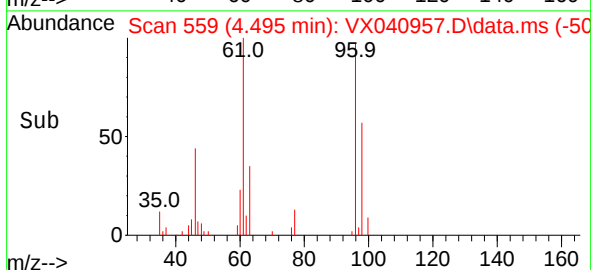
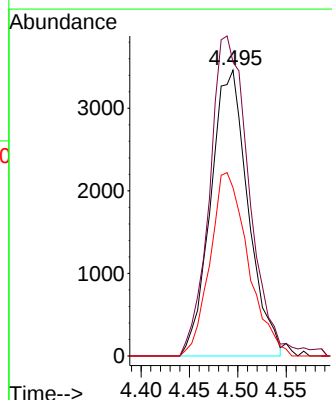
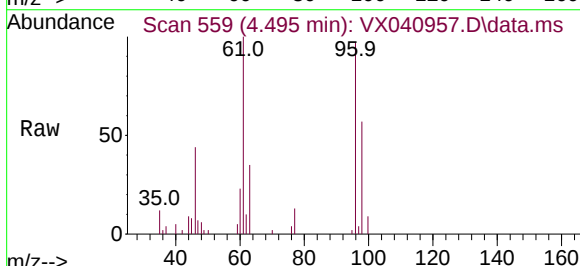
Tgt Ion: 96 Resp: 9312

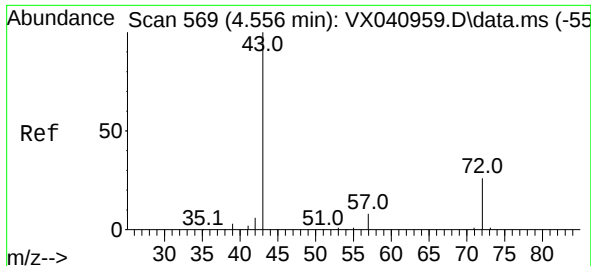
Ion Ratio Lower Upper

96 100

61 102.9 82.6 153.4

98 58.9 46.0 85.4





#22

2-Butanone

Concen: 8.584 ug/L

RT: 4.562 min Scan# 5

Delta R.T. 0.006 min

Lab File: VX040957.D

Acq: 10 Apr 2024 16:06

Instrument :

MSVOA\_X

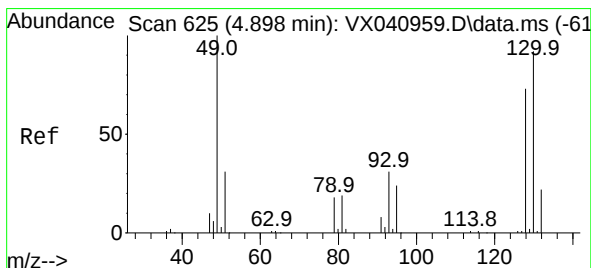
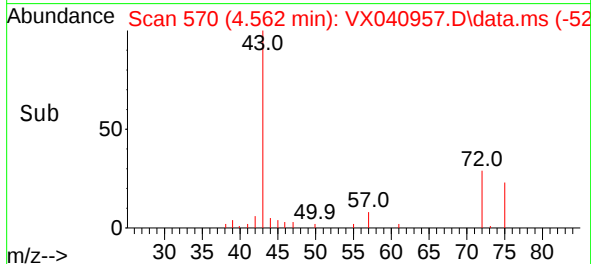
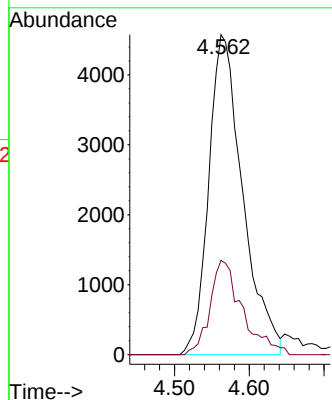
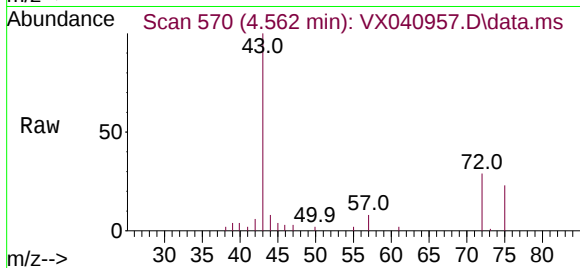
ClientSampleId :

Tgt Ion: 43 Resp: 14431

Ion Ratio Lower Upper

43 100

72 19.6 13.2 39.6



#23

Bromochloromethane

Concen: 4.427 ug/L

RT: 4.897 min Scan# 625

Delta R.T. -0.000 min

Lab File: VX040957.D

Acq: 10 Apr 2024 16:06

Tgt Ion: 128 Resp: 5215

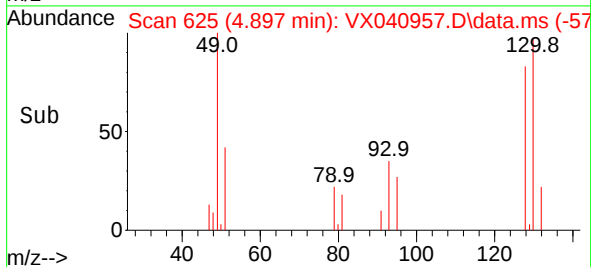
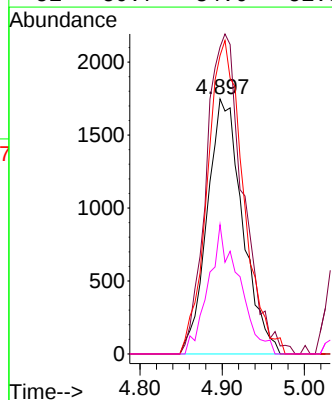
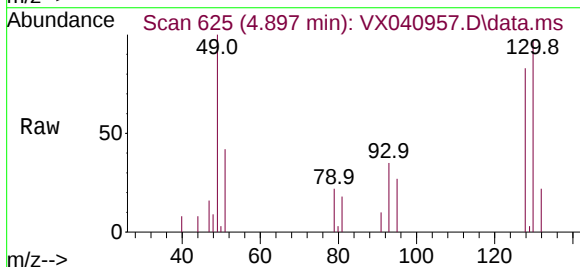
Ion Ratio Lower Upper

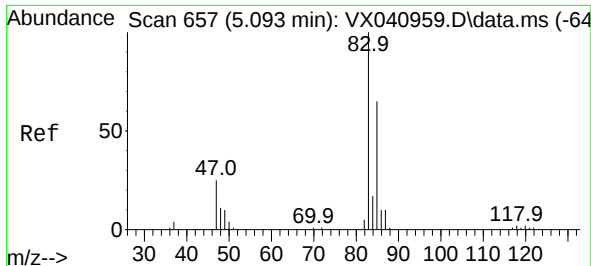
128 100

49 120.3 96.4 179.0

130 117.0 87.9 163.3

51 50.7 34.6 51.8





#25

Chloroform

Concen: 4.338 ug/L

RT: 5.098 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX040957.D

Acq: 10 Apr 2024 16:06

Instrument :

MSVOA\_X

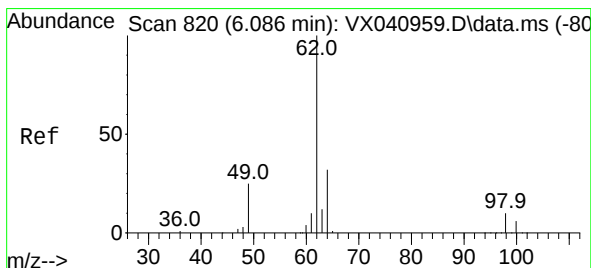
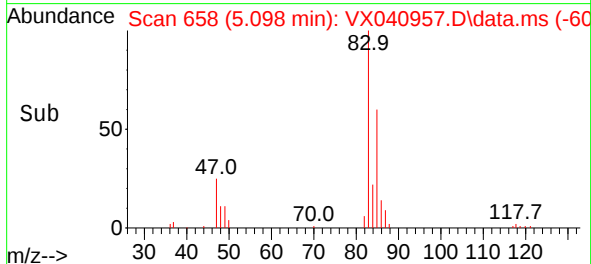
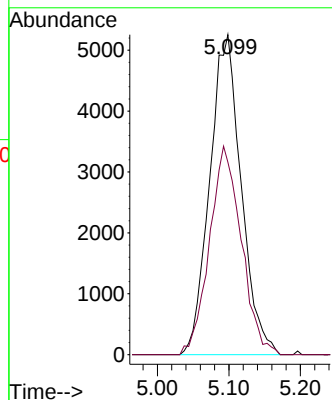
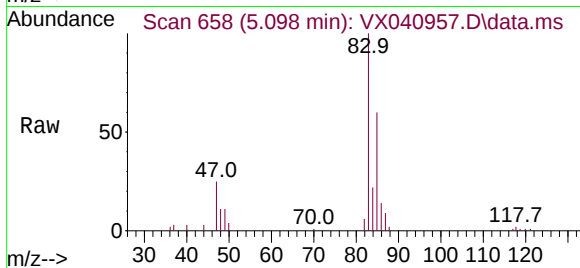
ClientSampleId :

Tgt Ion: 83 Resp: 16058

Ion Ratio Lower Upper

83 100

85 60.2 45.4 84.4



#27

1,2-Dichloroethane

Concen: 4.348 ug/L

RT: 6.092 min Scan# 821

Delta R.T. 0.006 min

Lab File: VX040957.D

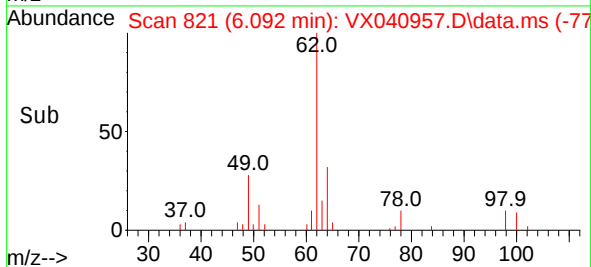
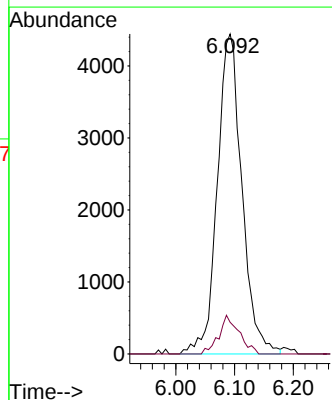
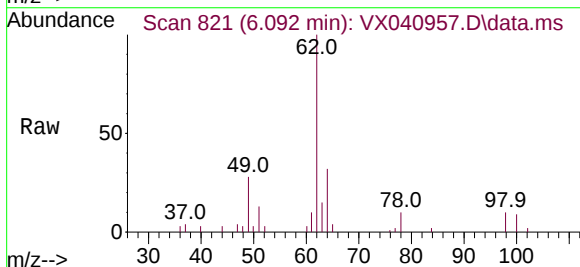
Acq: 10 Apr 2024 16:06

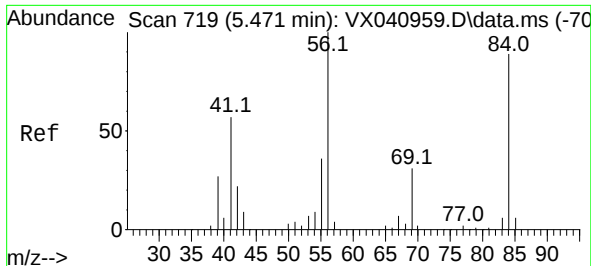
Tgt Ion: 62 Resp: 12936

Ion Ratio Lower Upper

62 100

98 9.9 7.7 11.5





#29

Cyclohexane

Concen: 4.076 ug/L

RT: 5.470 min Scan# 719

Delta R.T. -0.000 min

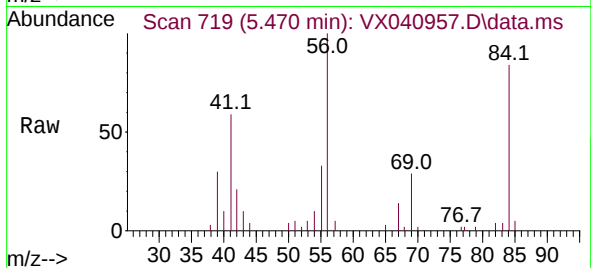
Lab File: VX040957.D

Acq: 10 Apr 2024 16:06

Instrument :

MSVOA\_X

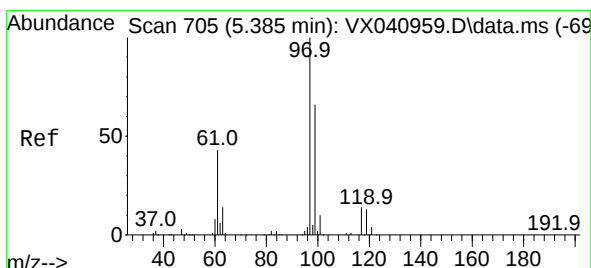
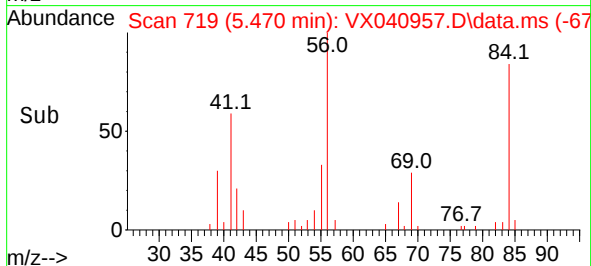
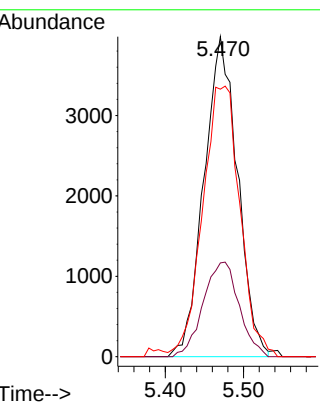
ClientSampleId :



Tgt Ion: 56 Resp: 11837

Ion Ratio Lower Upper

|    |      |      |       |
|----|------|------|-------|
| 56 | 100  |      |       |
| 69 | 31.6 | 25.0 | 37.4  |
| 84 | 47.8 | 74.9 | 112.3 |



#30

1,1,1-Trichloroethane

Concen: 4.108 ug/L

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

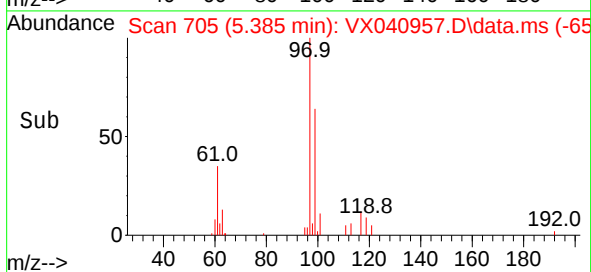
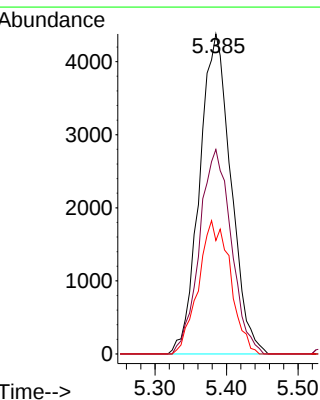
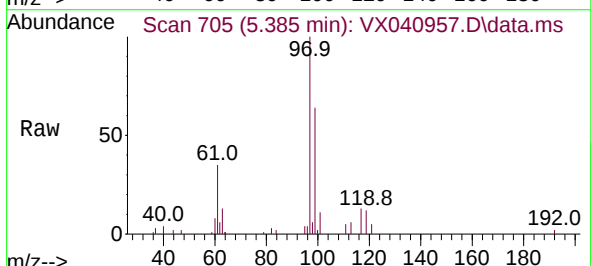
Lab File: VX040957.D

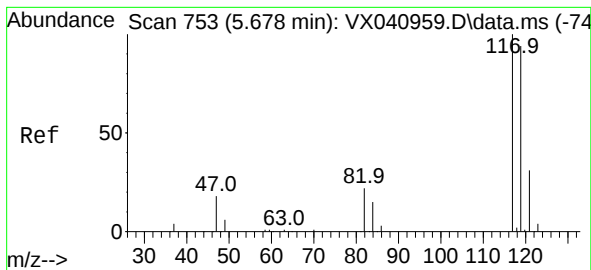
Acq: 10 Apr 2024 16:06

Tgt Ion: 97 Resp: 13347

Ion Ratio Lower Upper

|    |      |      |      |
|----|------|------|------|
| 97 | 100  |      |      |
| 99 | 64.8 | 51.0 | 76.4 |
| 61 | 42.3 | 34.0 | 51.0 |





#31

Carbon tetrachloride

Concen: 3.990 ug/L

RT: 5.684 min Scan# 753

Delta R.T. 0.006 min

Lab File: VX040957.D

Acq: 10 Apr 2024 16:06

Instrument :

MSVOA\_X

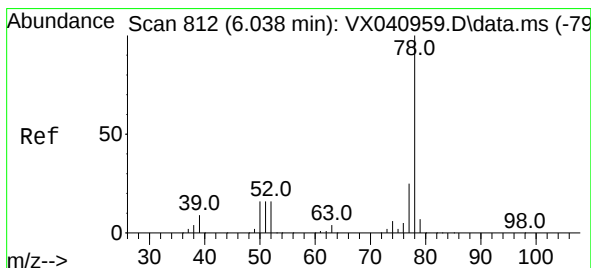
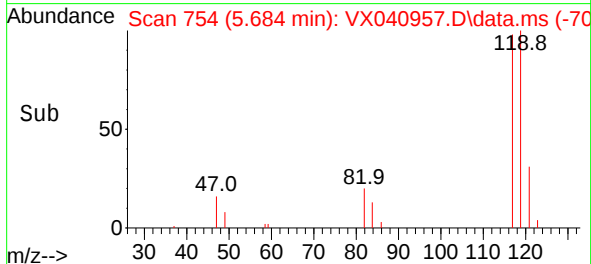
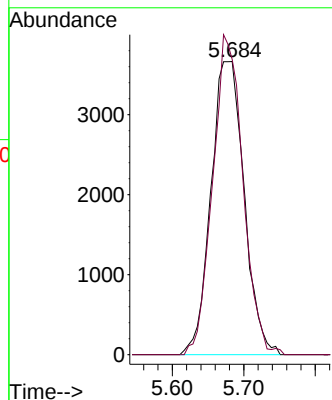
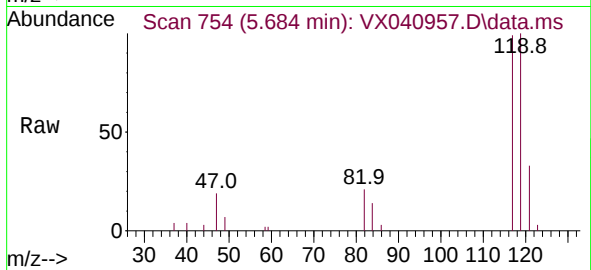
ClientSampleId :

Tgt Ion:117 Resp: 11813

Ion Ratio Lower Upper

117 100

119 99.0 76.8 115.2



#33

Benzene

Concen: 4.290 ug/L

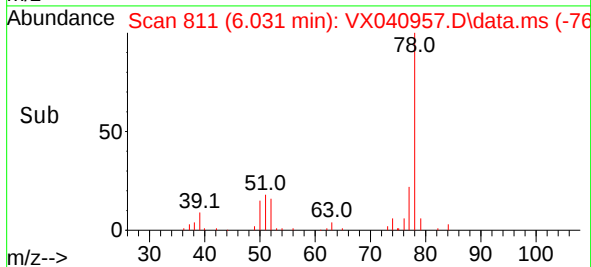
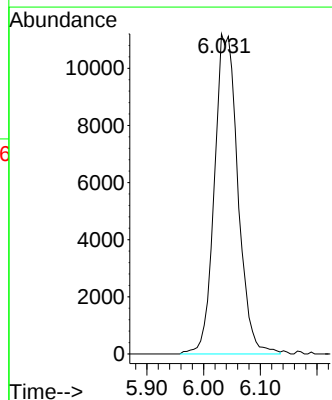
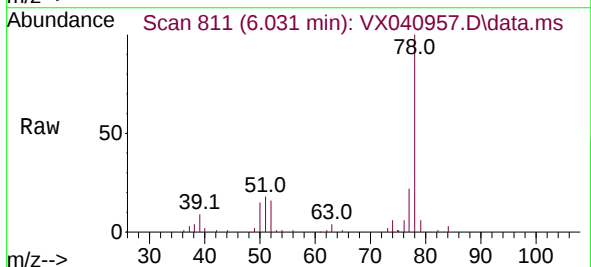
RT: 6.031 min Scan# 811

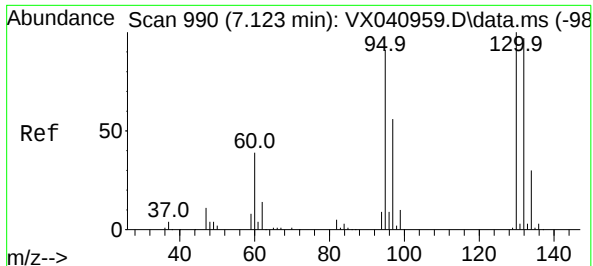
Delta R.T. -0.006 min

Lab File: VX040957.D

Acq: 10 Apr 2024 16:06

Tgt Ion: 78 Resp: 32263

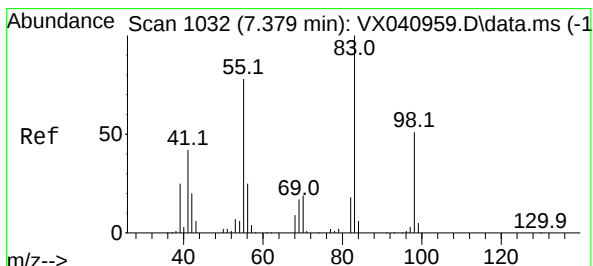
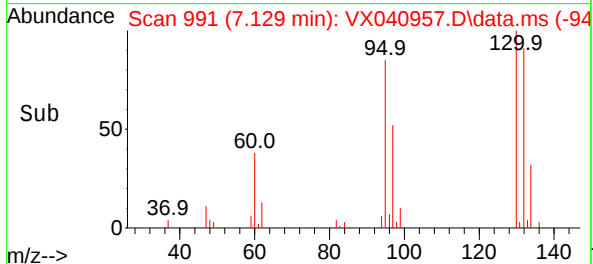
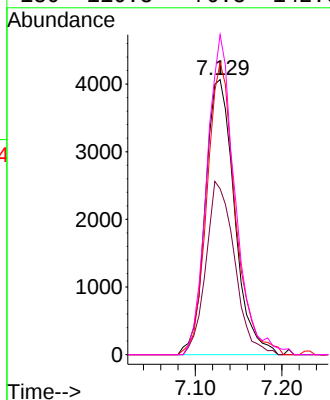
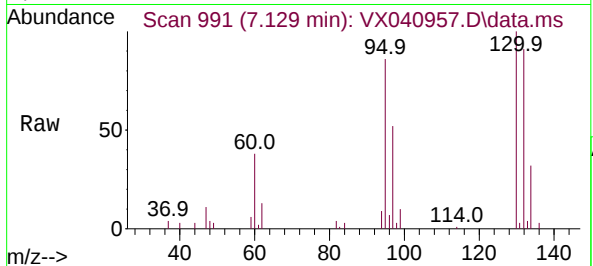




#34  
Trichloroethene  
Concen: 4.410 ug/L  
RT: 7.129 min Scan# 990  
Delta R.T. 0.006 min  
Lab File: VX040957.D  
Acq: 10 Apr 2024 16:06

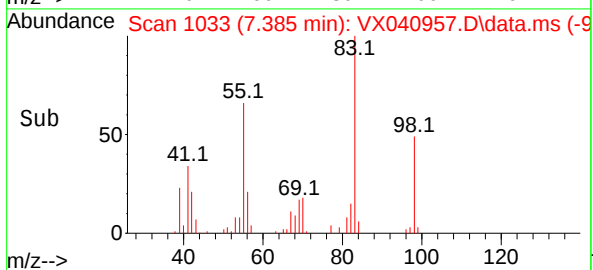
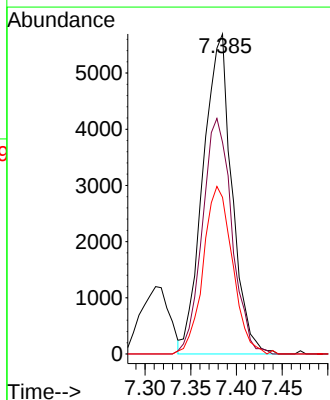
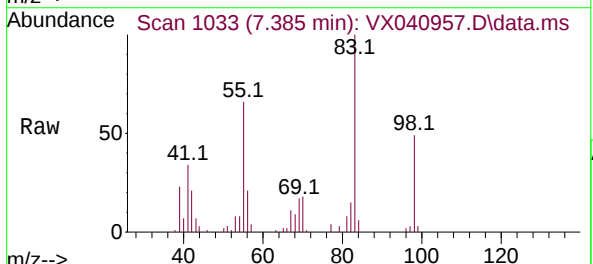
Instrument :  
MSVOA\_X  
ClientSampleId :

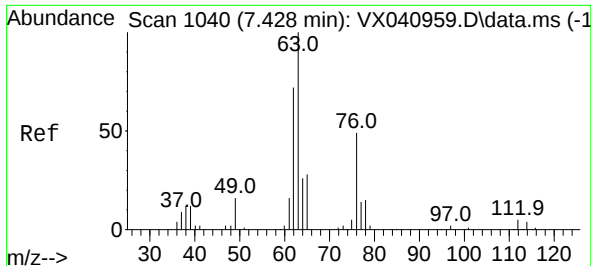
|             |             |
|-------------|-------------|
| Tgt Ion: 95 | Resp: 9516  |
| Ion Ratio   | Lower Upper |
| 95 100      |             |
| 97 60.3     | 43.2 80.2   |
| 132 106.2   | 74.3 138.1  |
| 130 116.3   | 76.8 142.6  |



#35  
Methylcyclohexane  
Concen: 4.092 ug/L  
RT: 7.385 min Scan# 1033  
Delta R.T. 0.006 min  
Lab File: VX040957.D  
Acq: 10 Apr 2024 16:06

|             |             |
|-------------|-------------|
| Tgt Ion: 83 | Resp: 12521 |
| Ion Ratio   | Lower Upper |
| 83 100      |             |
| 55 74.7     | 58.9 88.3   |
| 98 52.9     | 40.9 61.3   |

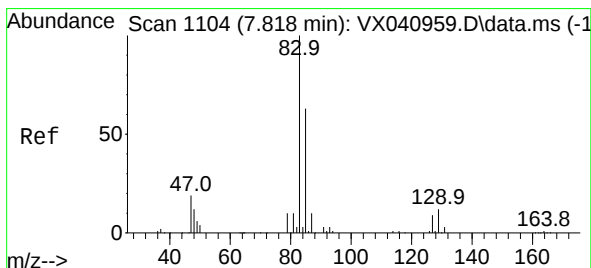
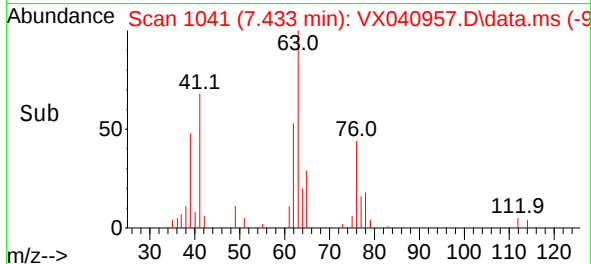
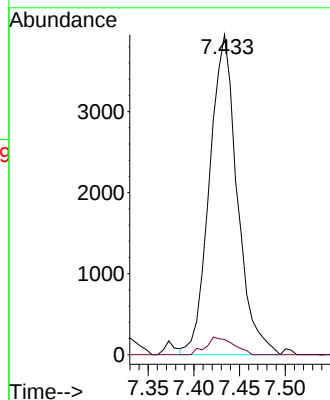
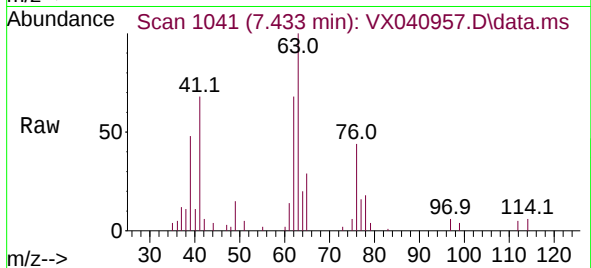




#37  
1,2-Dichloropropane  
Concen: 4.280 ug/L  
RT: 7.433 min Scan# 1105  
Delta R.T. 0.006 min  
Lab File: VX040957.D  
Acq: 10 Apr 2024 16:06

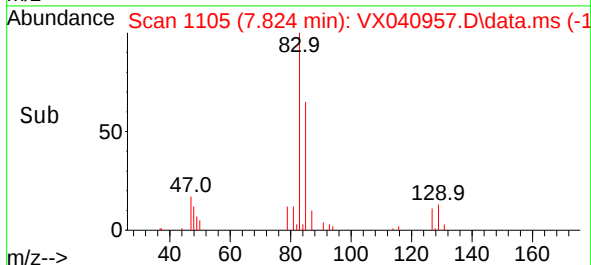
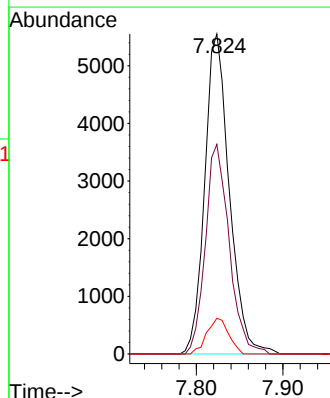
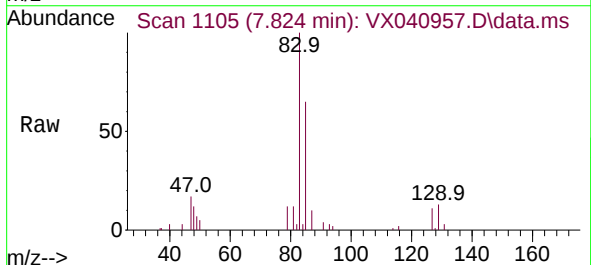
Instrument :  
MSVOA\_X  
ClientSampleId :

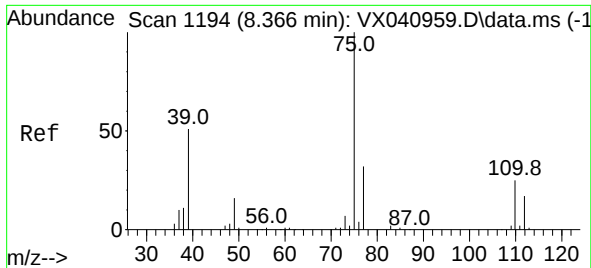
Tgt Ion: 63 Resp: 8333  
Ion Ratio Lower Upper  
63 100  
112 5.4 4.2 6.2



#38  
Bromodichloromethane  
Concen: 4.014 ug/L  
RT: 7.824 min Scan# 1105  
Delta R.T. 0.006 min  
Lab File: VX040957.D  
Acq: 10 Apr 2024 16:06

Tgt Ion: 83 Resp: 10955  
Ion Ratio Lower Upper  
83 100  
85 65.5 44.3 82.3  
127 11.1 7.2 10.8#





#39

cis-1,3-Dichloropropene

Concen: 3.842 ug/L

RT: 8.366 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX040957.D

Acq: 10 Apr 2024 16:06

Instrument :

MSVOA\_X

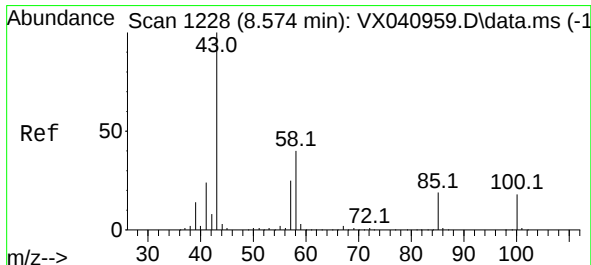
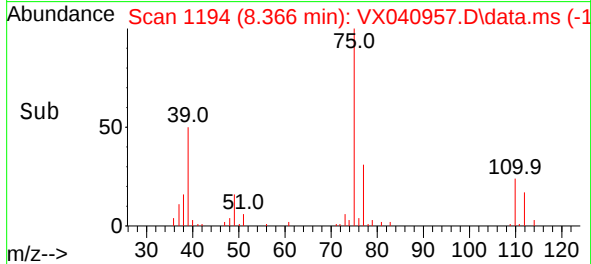
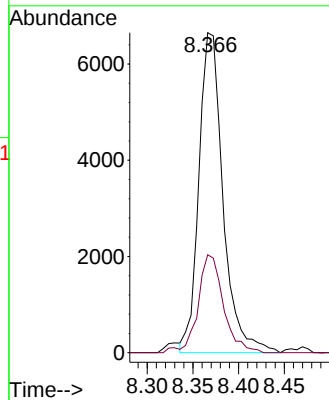
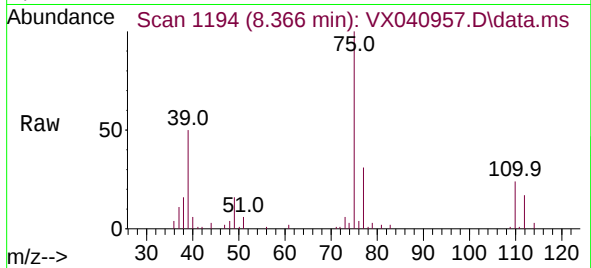
ClientSampleId :

Tgt Ion: 75 Resp: 12220

Ion Ratio Lower Upper

75 100

77 30.6 22.7 42.1



#40

4-Methyl-2-pentanone

Concen: 7.755 ug/L

RT: 8.573 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX040957.D

Acq: 10 Apr 2024 16:06

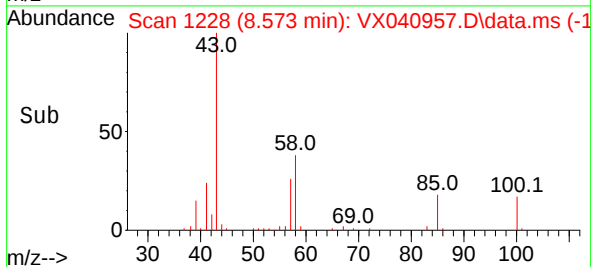
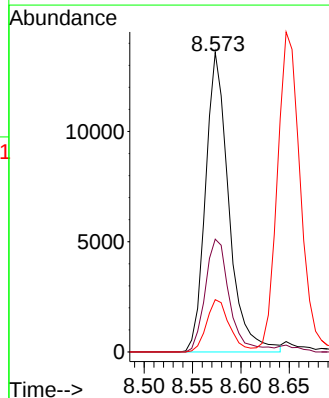
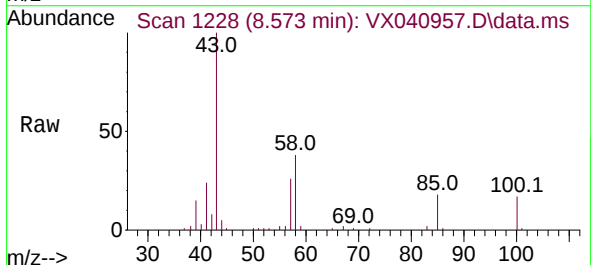
Tgt Ion: 43 Resp: 22866

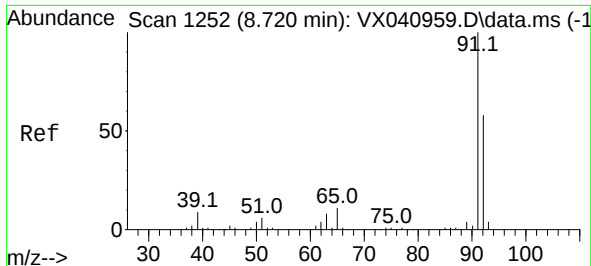
Ion Ratio Lower Upper

43 100

58 39.3 31.1 46.7

100 17.1 14.2 21.2





#42

Toluene

Concen: 4.135 ug/L

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX040957.D

Acq: 10 Apr 2024 16:06

Instrument :

MSVOA\_X

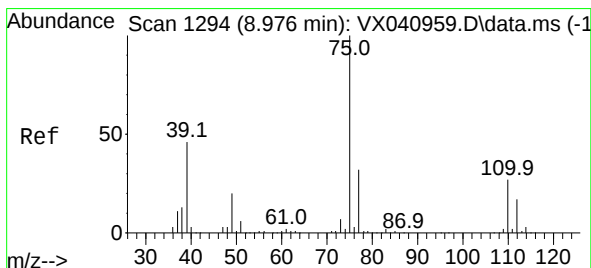
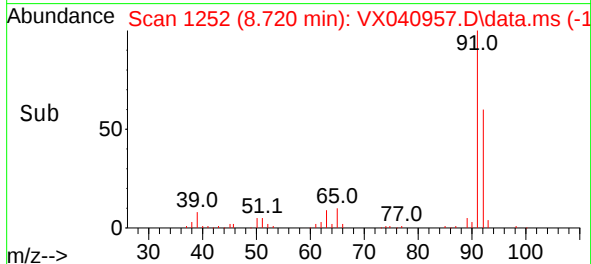
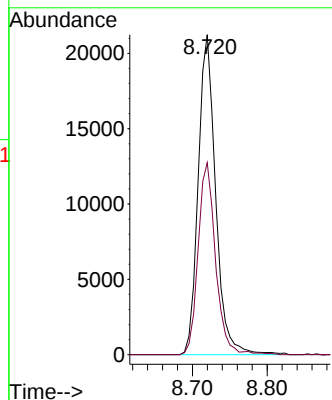
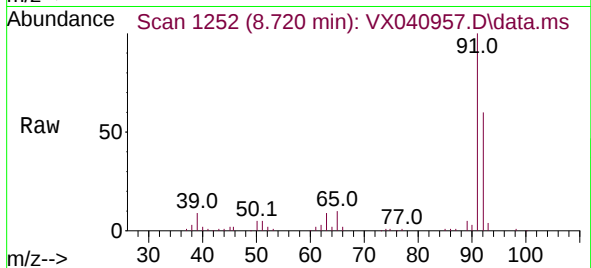
ClientSampleId :

Tgt Ion: 91 Resp: 34442

Ion Ratio Lower Upper

91 100

92 60.0 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 3.644 ug/L

RT: 8.982 min Scan# 1295

Delta R.T. 0.006 min

Lab File: VX040957.D

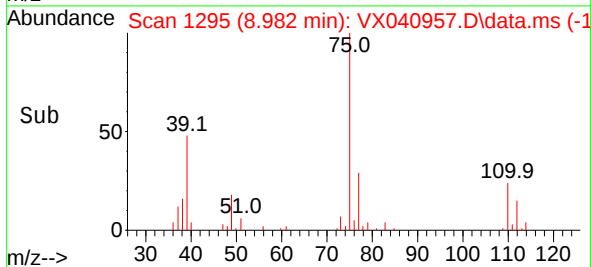
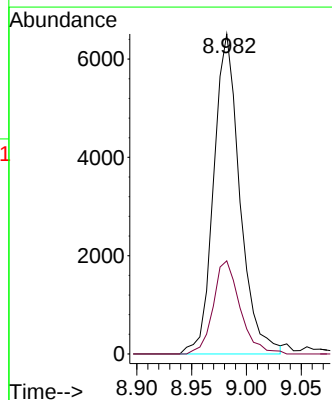
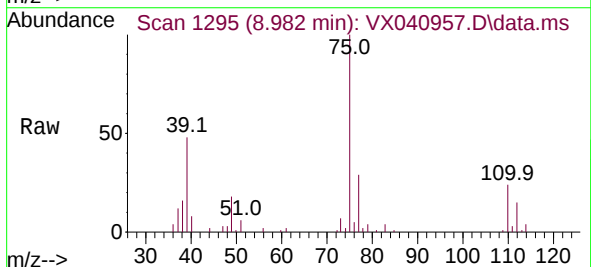
Acq: 10 Apr 2024 16:06

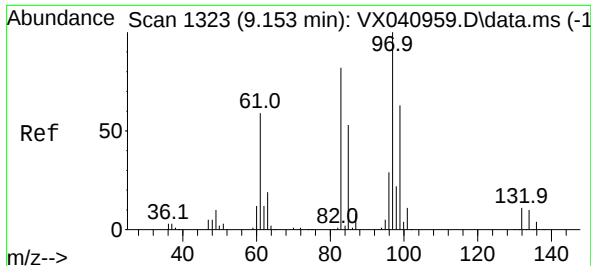
Tgt Ion: 75 Resp: 10832

Ion Ratio Lower Upper

75 100

77 29.1 22.2 41.2

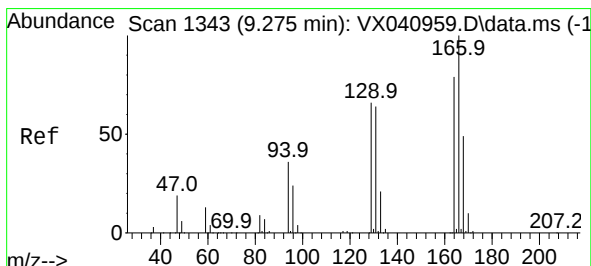
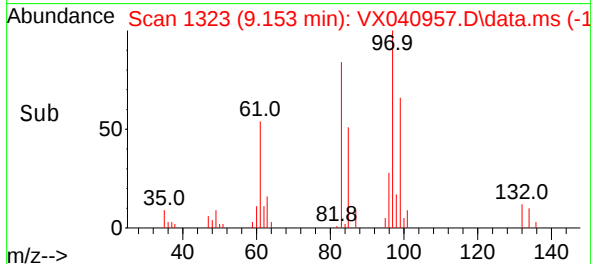
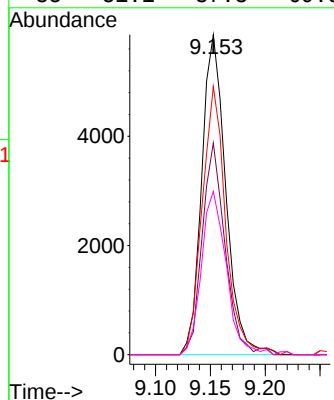
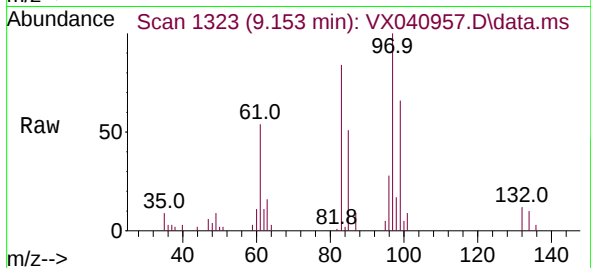




#45  
1,1,2-Trichloroethane  
Concen: 4.247 ug/L  
RT: 9.153 min Scan# 1323  
Delta R.T. -0.000 min  
Lab File: VX040957.D  
Acq: 10 Apr 2024 16:06

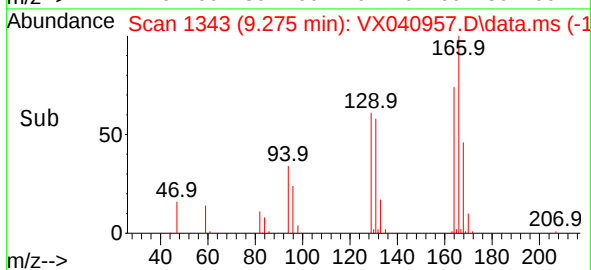
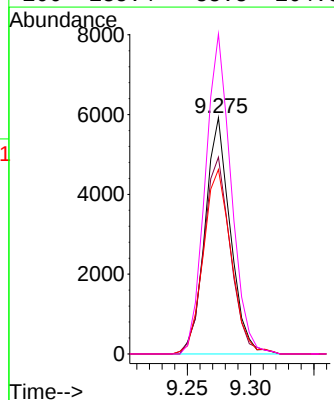
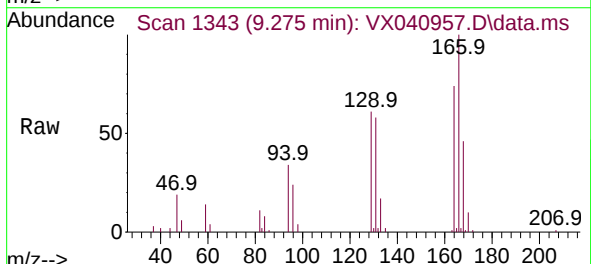
Instrument :  
MSVOA\_X  
ClientSampleId :

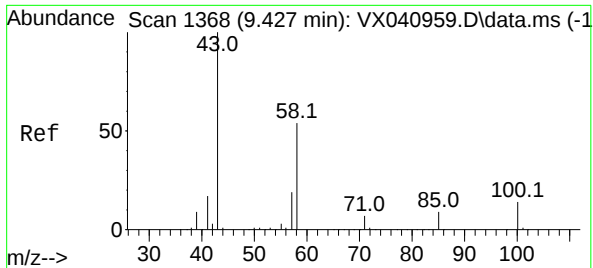
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 8980  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 66.1  | 44.1  | 81.9  |
| 83       | 83.8  | 57.2  | 106.2 |
| 85       | 51.1  | 37.3  | 69.3  |



#46  
Tetrachloroethene  
Concen: 4.053 ug/L  
RT: 9.275 min Scan# 1343  
Delta R.T. -0.000 min  
Lab File: VX040957.D  
Acq: 10 Apr 2024 16:06

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 8235  |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 83.2  | 58.9  | 109.5 |
| 131      | 78.0  | 56.6  | 105.2 |
| 166      | 135.4 | 88.8  | 164.8 |





#48

2-Hexanone

Concen: 8.051 ug/L

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX040957.D

Acq: 10 Apr 2024 16:06

Instrument :

MSVOA\_X

ClientSampleId :

Tgt Ion: 43 Resp: 19176

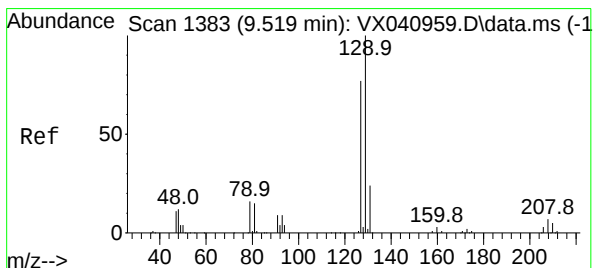
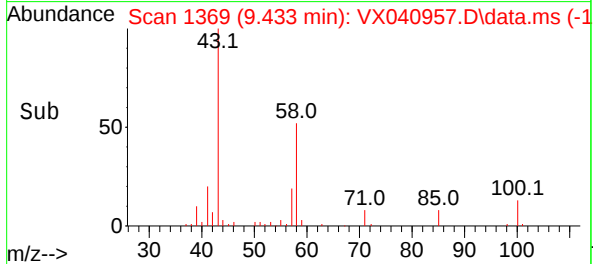
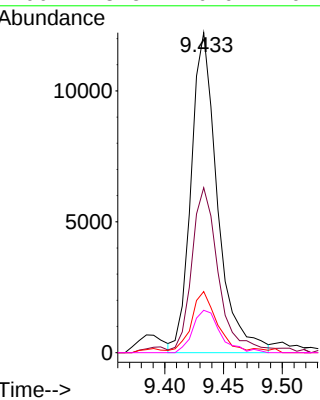
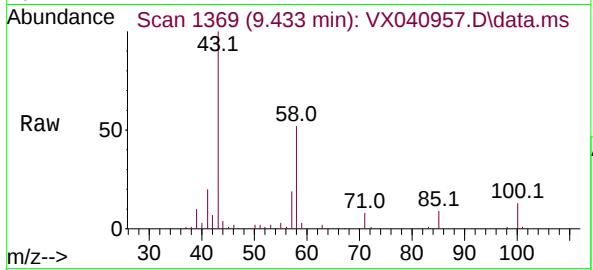
Ion Ratio Lower Upper

43 100

58 50.1 43.2 64.8

57 18.5 15.4 23.2

100 13.5 10.9 16.3



#49

Dibromochloromethane

Concen: 3.702 ug/L

RT: 9.518 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX040957.D

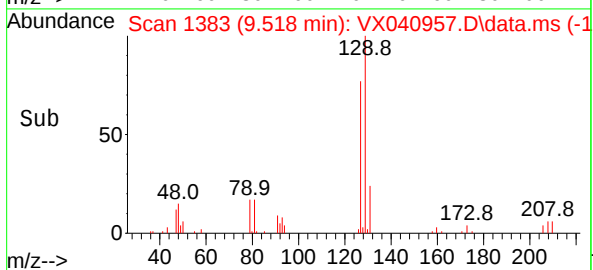
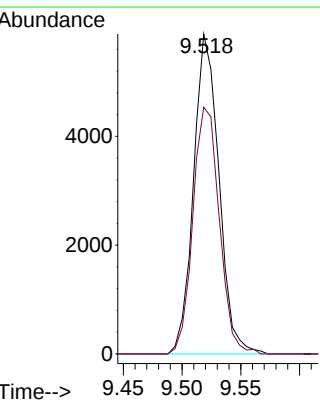
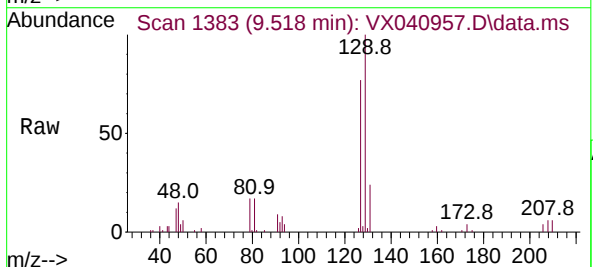
Acq: 10 Apr 2024 16:06

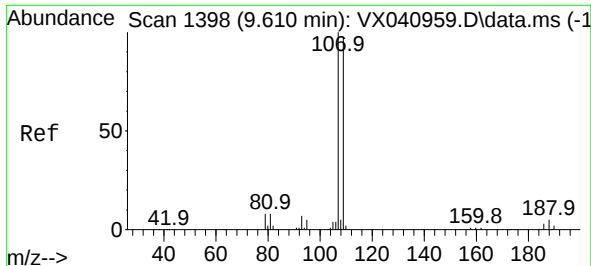
Tgt Ion: 129 Resp: 8829

Ion Ratio Lower Upper

129 100

127 77.1 54.0 100.2





#50

1,2-Dibromoethane

Concen: 4.072 ug/L

RT: 9.610 min Scan# 1398

Delta R.T. -0.000 min

Lab File: VX040957.D

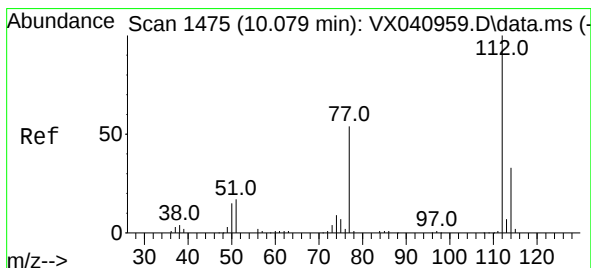
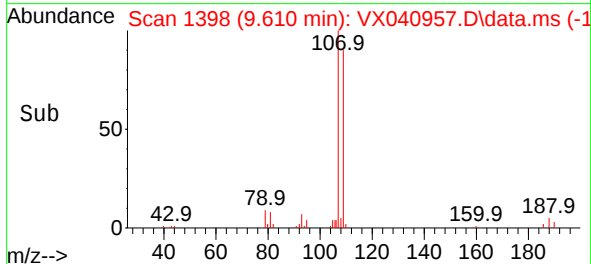
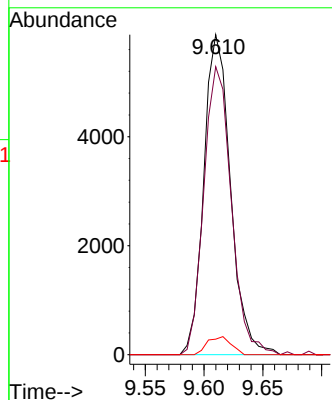
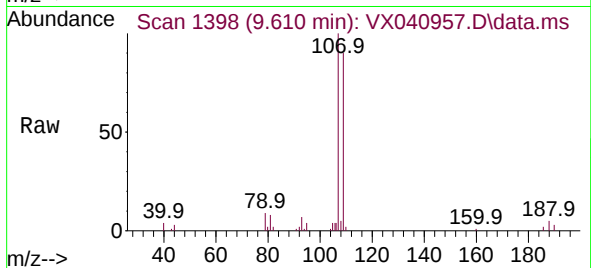
Acq: 10 Apr 2024 16:06

Instrument :

MSVOA\_X

ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:107 | Resp: | 9289        |
| Ion         | Ratio | Lower Upper |
| 107         | 100   |             |
| 109         | 90.0  | 67.7 125.7  |
| 188         | 4.8   | 3.8 5.6     |



#51

Chlorobenzene

Concen: 4.215 ug/L

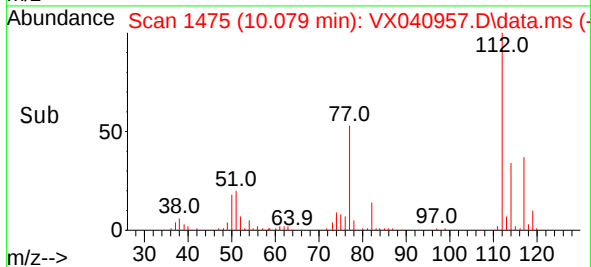
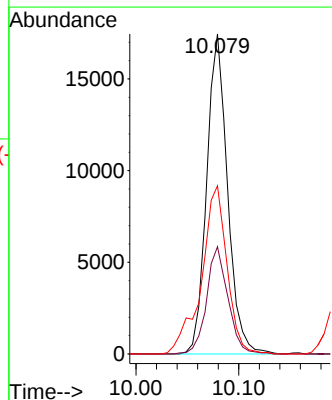
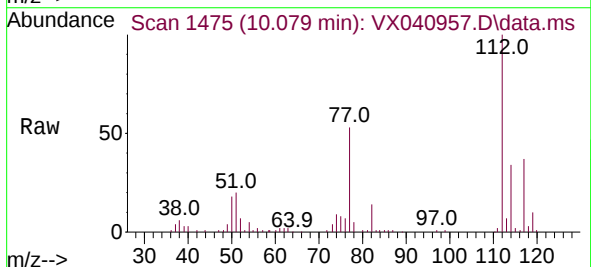
RT: 10.079 min Scan# 1475

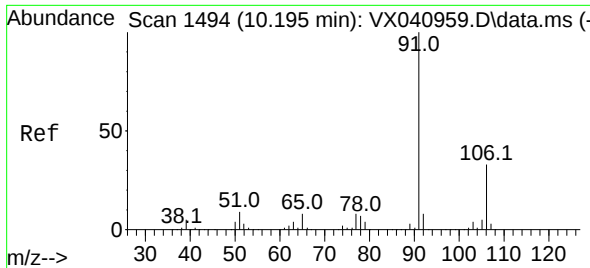
Delta R.T. -0.000 min

Lab File: VX040957.D

Acq: 10 Apr 2024 16:06

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:112 | Resp: | 24601       |
| Ion         | Ratio | Lower Upper |
| 112         | 100   |             |
| 114         | 33.5  | 23.0 42.8   |
| 77          | 52.5  | 43.4 65.0   |

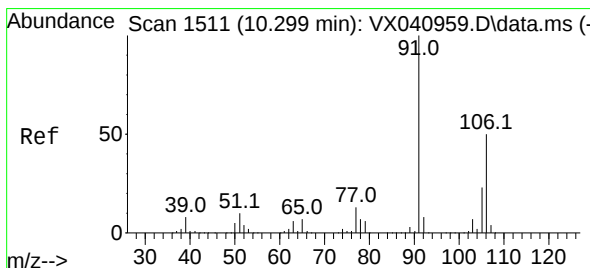
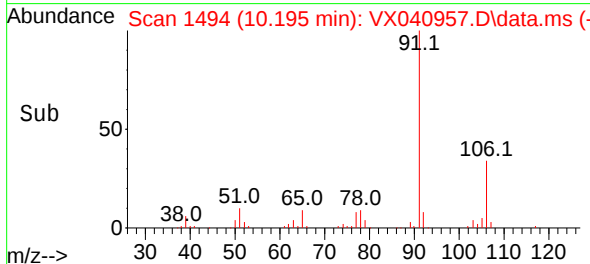
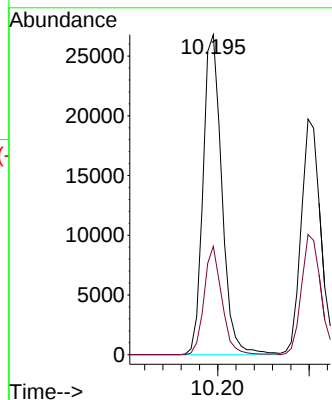
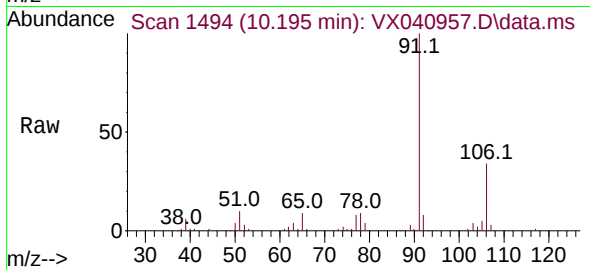




#52  
Ethylbenzene  
Concen: 4.040 ug/L  
RT: 10.195 min Scan# 1494  
Delta R.T. -0.000 min  
Lab File: VX040957.D  
Acq: 10 Apr 2024 16:06

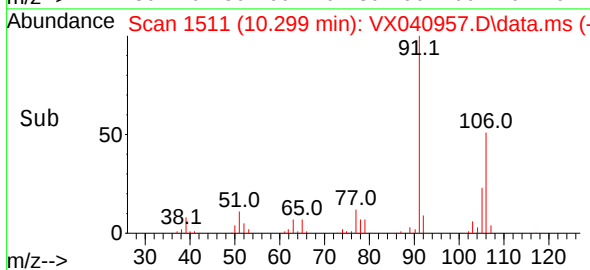
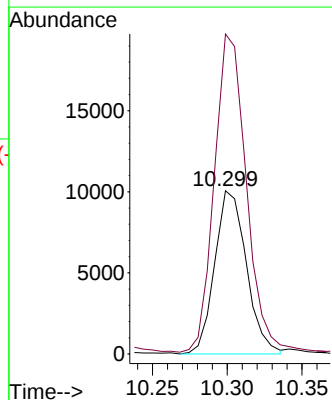
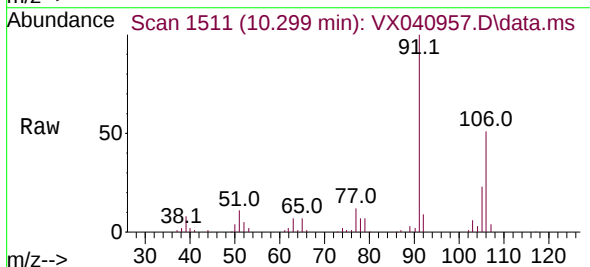
Instrument :  
MSVOA\_X  
ClientSampleId :

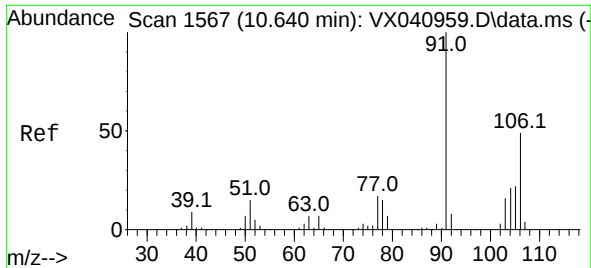
Tgt Ion: 91 Resp: 38177  
Ion Ratio Lower Upper  
91 100  
106 33.8 23.0 42.8



#53  
m,p-Xylene  
Concen: 3.939 ug/L  
RT: 10.299 min Scan# 1511  
Delta R.T. -0.000 min  
Lab File: VX040957.D  
Acq: 10 Apr 2024 16:06

Tgt Ion: 106 Resp: 14843  
Ion Ratio Lower Upper  
106 100  
91 196.1 140.4 260.8

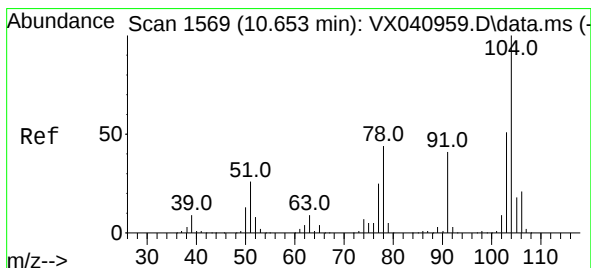
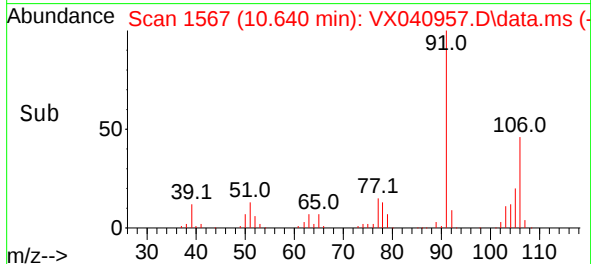
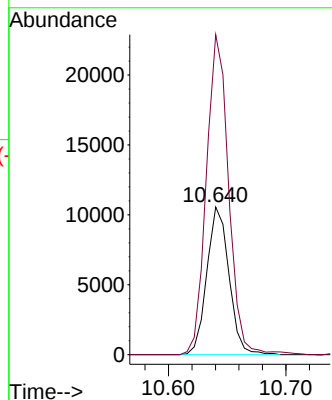
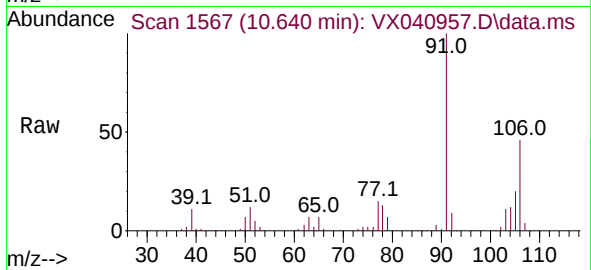




#54  
o-Xylene  
Concen: 3.812 ug/L  
RT: 10.640 min Scan# 1567  
Delta R.T. -0.000 min  
Lab File: VX040957.D  
Acq: 10 Apr 2024 16:06

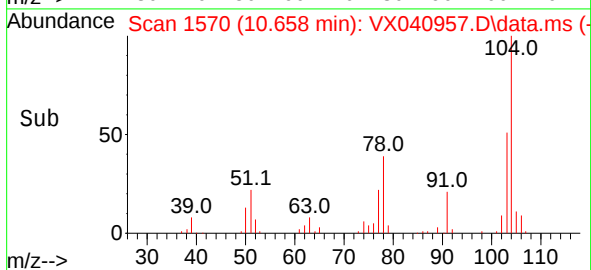
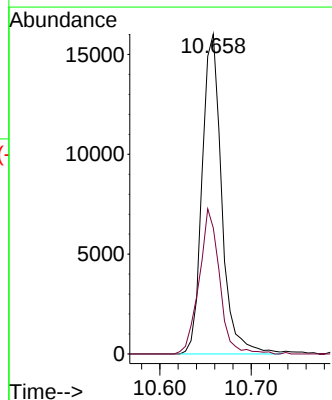
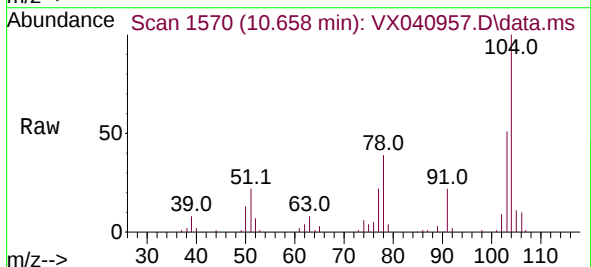
Instrument :  
MSVOA\_X  
ClientSampleId :

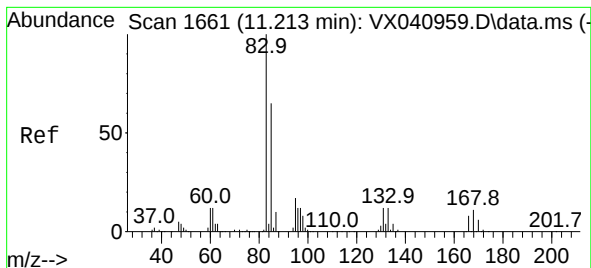
Tgt Ion:106 Resp: 13852  
Ion Ratio Lower Upper  
106 100  
91 216.7 144.0 267.4



#55  
Styrene  
Concen: 3.814 ug/L  
RT: 10.658 min Scan# 1570  
Delta R.T. 0.006 min  
Lab File: VX040957.D  
Acq: 10 Apr 2024 16:06

Tgt Ion:104 Resp: 23827  
Ion Ratio Lower Upper  
104 100  
78 39.4 30.7 56.9

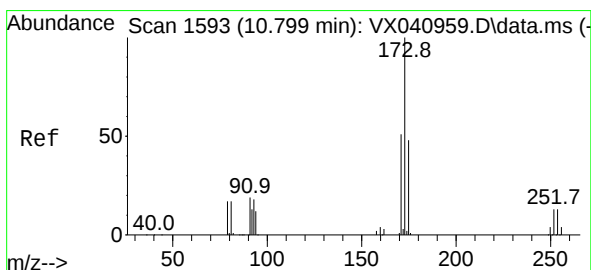
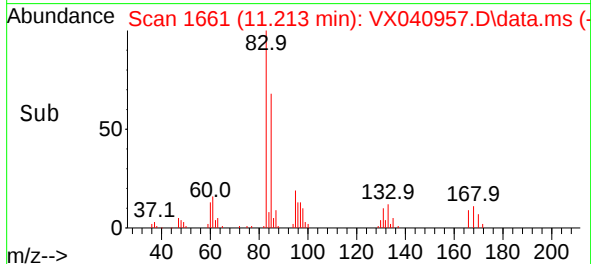
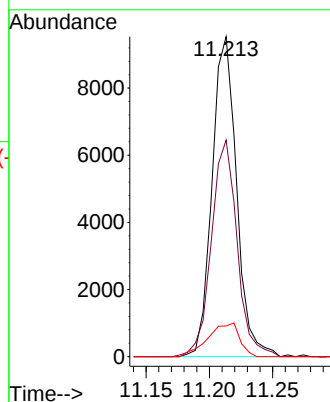
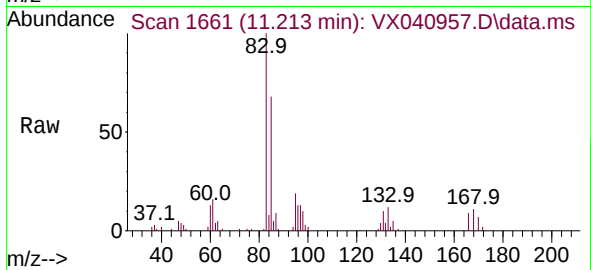




#57  
1,1,2,2-Tetrachloroethane  
Concen: 3.920 ug/L  
RT: 11.213 min Scan# 1661  
Delta R.T. -0.000 min  
Lab File: VX040957.D  
Acq: 10 Apr 2024 16:06

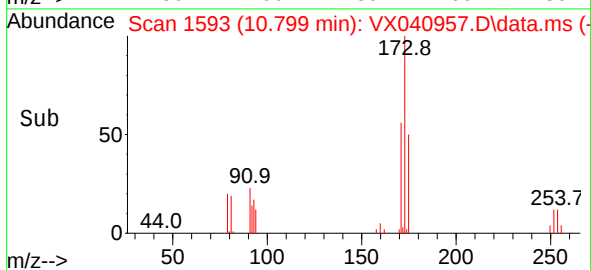
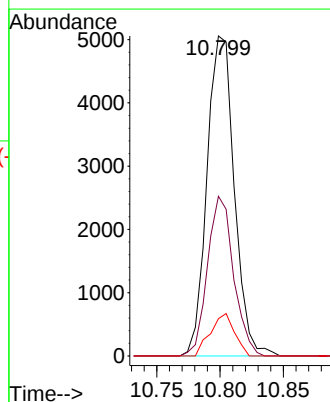
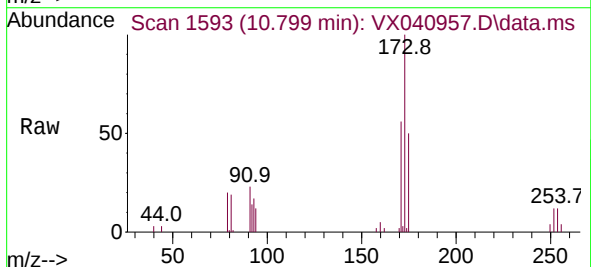
Instrument :  
MSVOA\_X  
ClientSampleId :

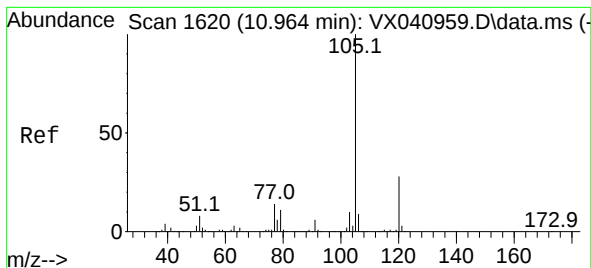
Tgt Ion: 83 Resp: 12843  
Ion Ratio Lower Upper  
83 100  
85 67.7 45.8 85.0  
131 9.6 9.4 14.2



#59  
Bromoform  
Concen: 3.904 ug/L  
RT: 10.799 min Scan# 1593  
Delta R.T. -0.000 min  
Lab File: VX040957.D  
Acq: 10 Apr 2024 16:06

Tgt Ion:173 Resp: 7607  
Ion Ratio Lower Upper  
173 100  
175 47.6 39.0 58.4  
254 11.7 10.4 15.6





#60

Isopropylbenzene

Concen: 4.141 ug/L

RT: 10.963 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX040957.D

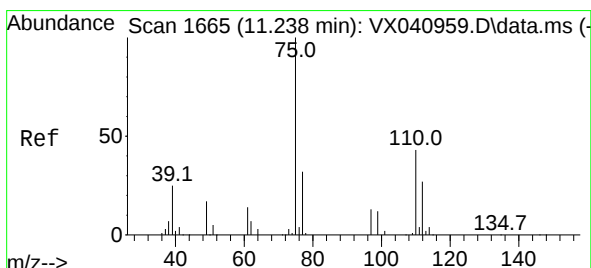
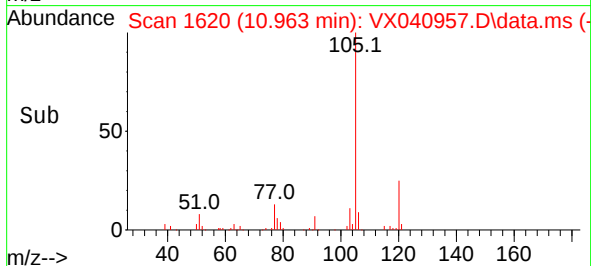
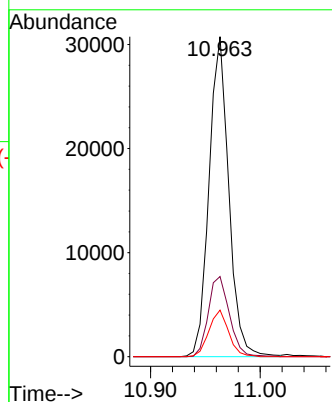
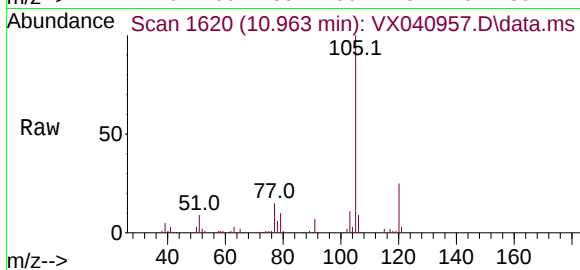
Acq: 10 Apr 2024 16:06

Instrument :

MSVOA\_X

ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:105 | Resp: | 38440     |
| Ion Ratio   | Lower | Upper     |
| 105         | 100   |           |
| 120         | 26.8  | 21.9 32.9 |
| 77          | 14.6  | 11.8 17.8 |



#61

1,2,3-Trichloropropane

Concen: 4.251 ug/L

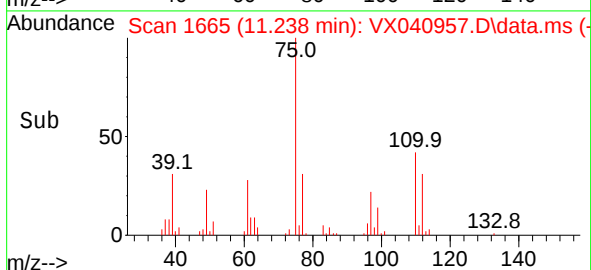
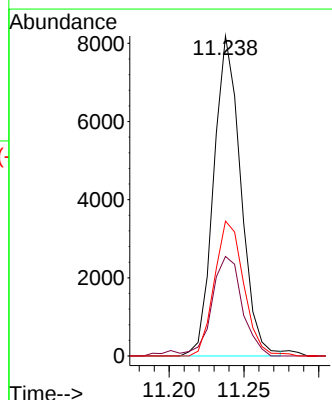
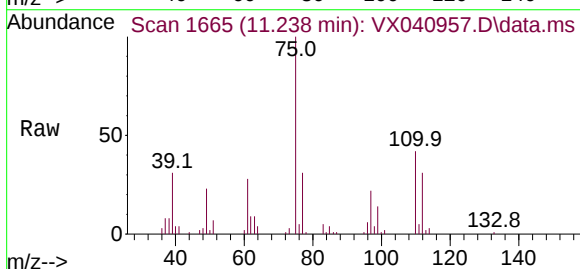
RT: 11.238 min Scan# 1665

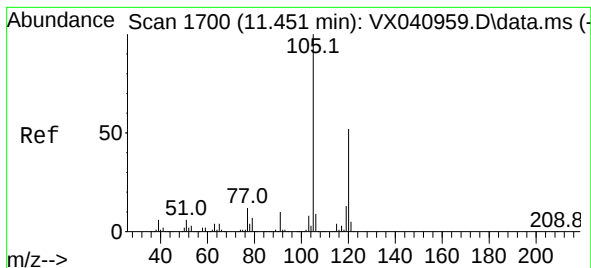
Delta R.T. -0.000 min

Lab File: VX040957.D

Acq: 10 Apr 2024 16:06

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 75 | Resp: | 10307     |
| Ion Ratio   | Lower | Upper     |
| 75          | 100   |           |
| 77          | 34.4  | 25.8 38.8 |
| 110         | 45.3  | 35.2 52.8 |





#62

1,3,5-Trimethylbenzene

Concen: 3.944 ug/L

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX040957.D

Acq: 10 Apr 2024 16:06

Instrument :

MSVOA\_X

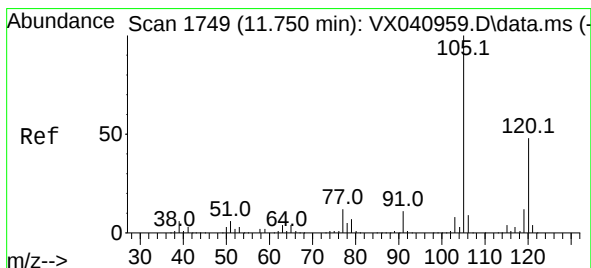
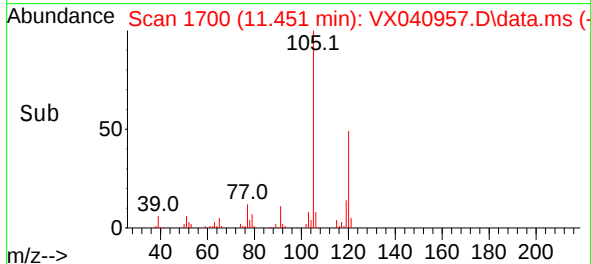
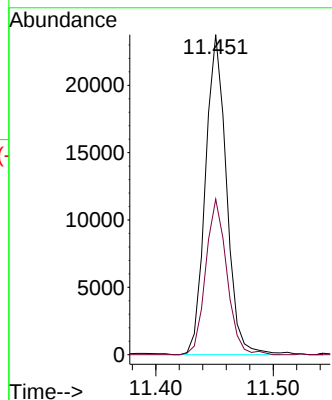
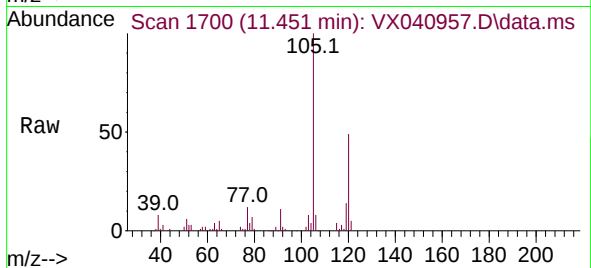
ClientSampleId :

Tgt Ion:105 Resp: 29512

Ion Ratio Lower Upper

105 100

120 48.3 41.0 61.4



#63

1,2,4-Trimethylbenzene

Concen: 3.896 ug/L

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX040957.D

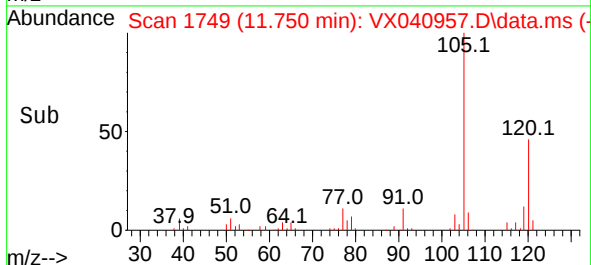
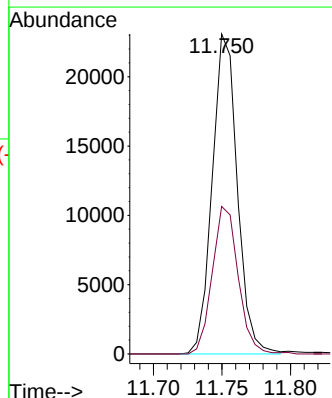
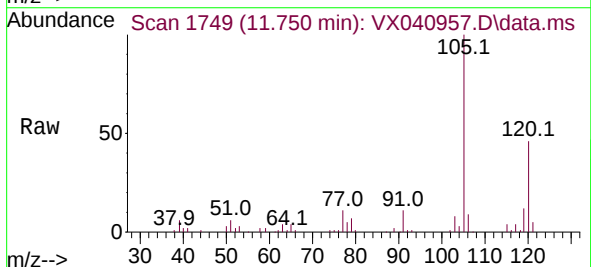
Acq: 10 Apr 2024 16:06

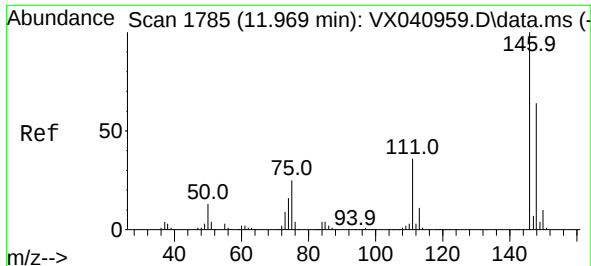
Tgt Ion:105 Resp: 29346

Ion Ratio Lower Upper

105 100

120 47.4 37.8 56.6





#64

1,3-Dichlorobenzene

Concen: 4.153 ug/L

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX040957.D

Acq: 10 Apr 2024 16:06

Instrument :

MSVOA\_X

ClientSampleId :

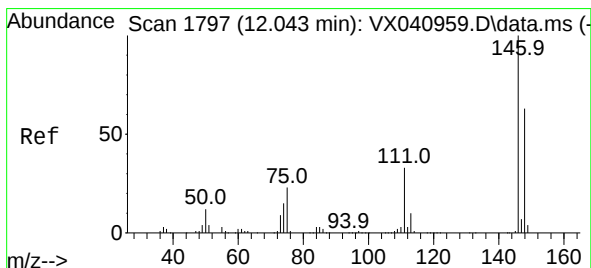
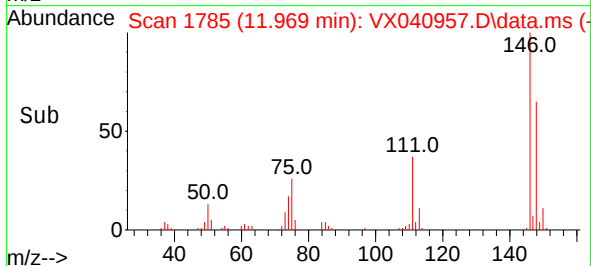
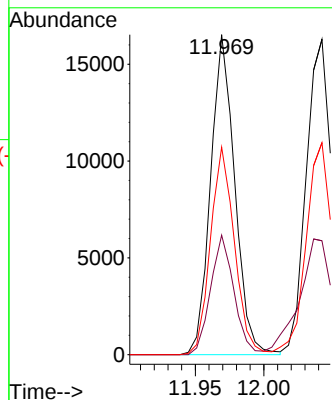
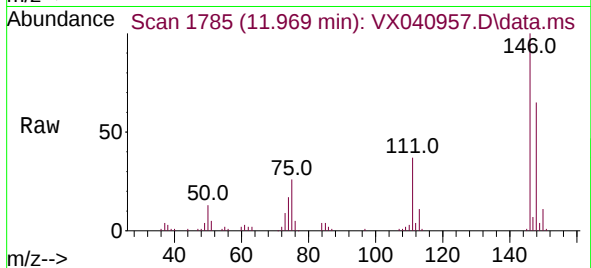
Tgt Ion:146 Resp: 20230

Ion Ratio Lower Upper

146 100

111 37.4 25.3 47.1

148 64.8 44.7 82.9



#65

1,4-Dichlorobenzene

Concen: 4.326 ug/L

RT: 12.042 min Scan# 1797

Delta R.T. -0.000 min

Lab File: VX040957.D

Acq: 10 Apr 2024 16:06

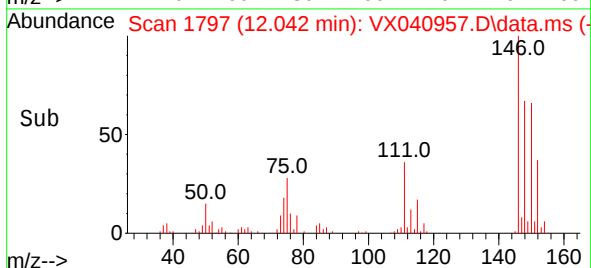
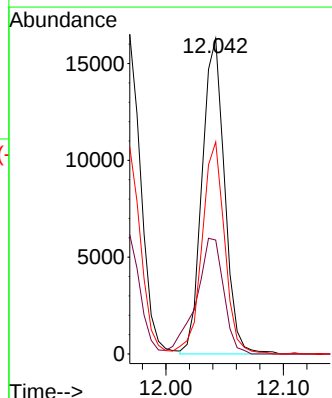
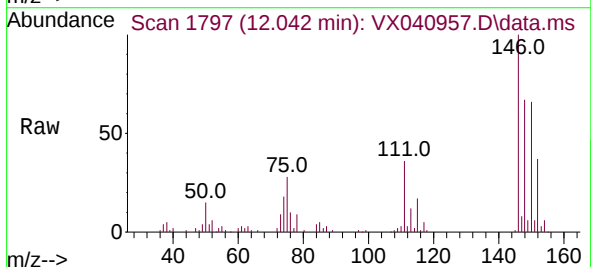
Tgt Ion:146 Resp: 21634

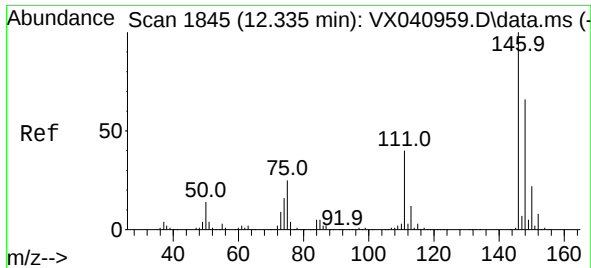
Ion Ratio Lower Upper

146 100

111 36.1 23.4 43.6

148 67.2 44.2 82.0

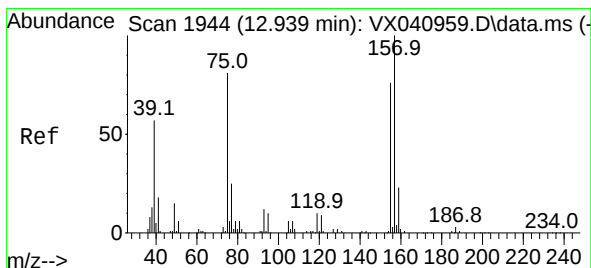
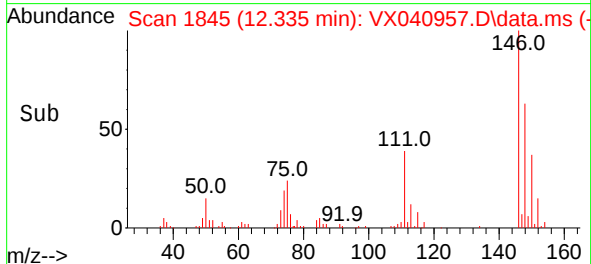
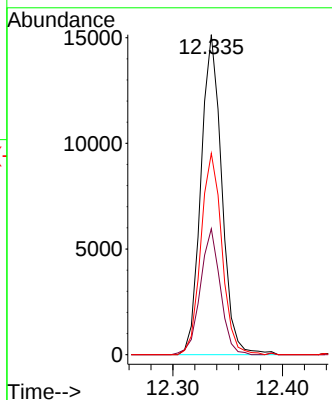
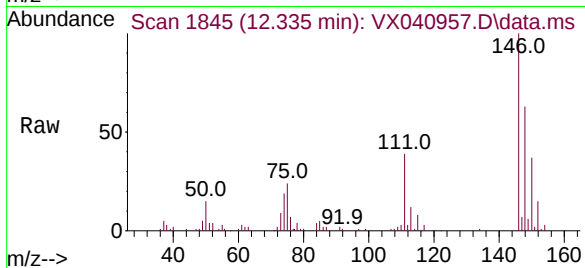




#67  
1,2-Dichlorobenzene  
Concen: 4.225 ug/L  
RT: 12.335 min Scan# 1845  
Delta R.T. -0.000 min  
Lab File: VX040957.D  
Acq: 10 Apr 2024 16:06

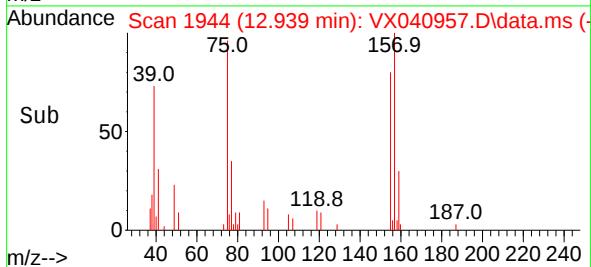
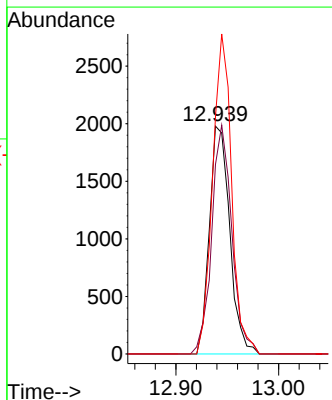
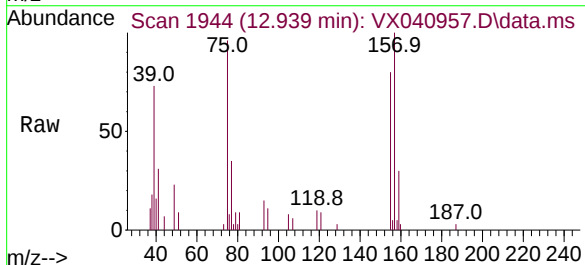
Instrument :  
MSVOA\_X  
ClientSampleId :

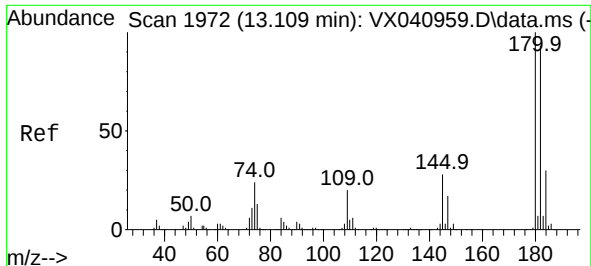
Tgt Ion:146 Resp: 19966  
Ion Ratio Lower Upper  
146 100  
111 39.3 31.8 47.8  
148 62.9 53.2 79.8



#68  
1,2-Dibromo-3-chloropropane  
Concen: 3.911 ug/L  
RT: 12.939 min Scan# 1944  
Delta R.T. -0.000 min  
Lab File: VX040957.D  
Acq: 10 Apr 2024 16:06

Tgt Ion: 75 Resp: 2712  
Ion Ratio Lower Upper  
75 100  
155 83.2 75.6 113.4  
157 104.1 99.1 148.7





#69

1,3,5-Trichlorobenzene

Concen: 4.035 ug/L

RT: 13.115 min Scan# 1973

Delta R.T. 0.006 min

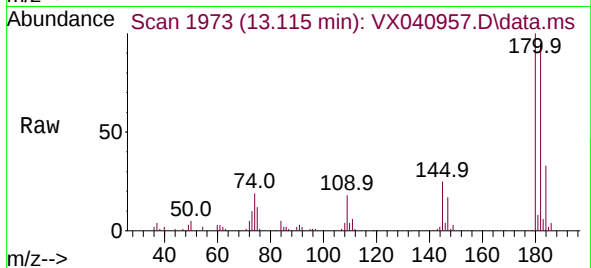
Lab File: VX040957.D

Acq: 10 Apr 2024 16:06

Instrument :

MSVOA\_X

ClientSampleId :



Tgt Ion:180 Resp: 15051

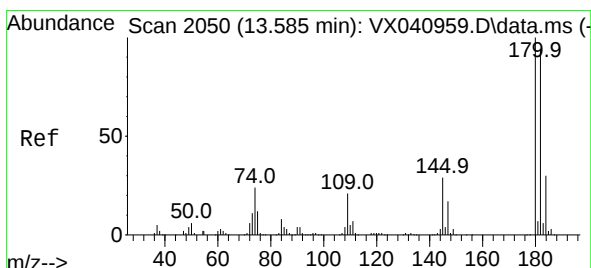
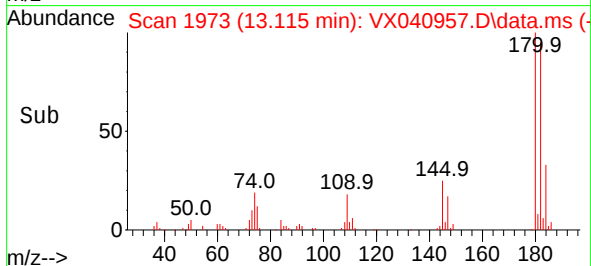
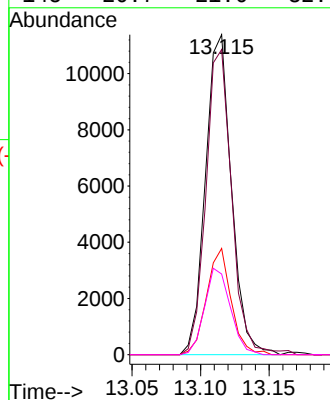
Ion Ratio Lower Upper

180 100

182 94.0 75.8 113.6

184 31.4 24.4 36.6

145 26.7 21.6 32.4



#70

1,2,4-trichlorobenzene

Concen: 4.030 ug/L

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX040957.D

Acq: 10 Apr 2024 16:06

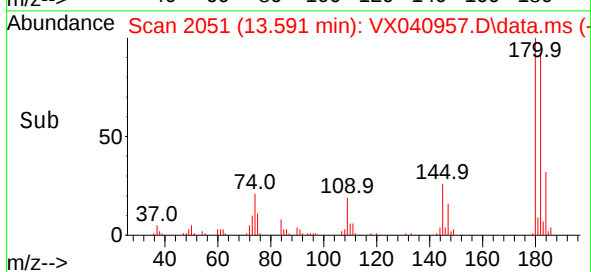
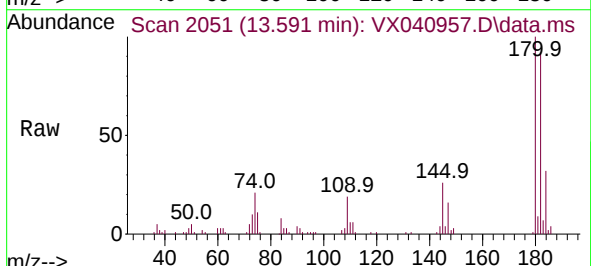
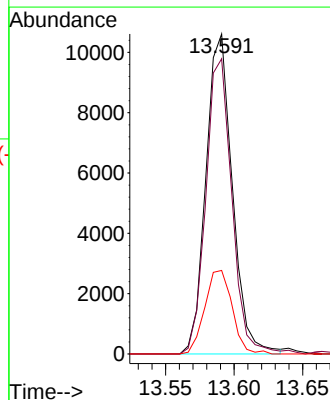
Tgt Ion:180 Resp: 14245

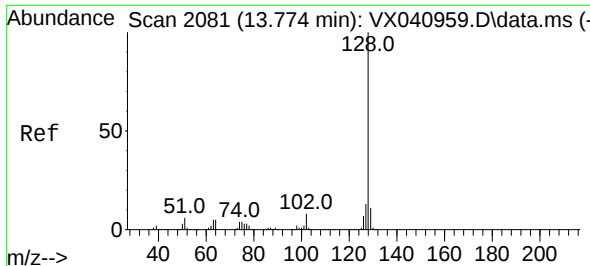
Ion Ratio Lower Upper

180 100

182 90.5 76.8 115.2

145 26.7 22.3 33.5

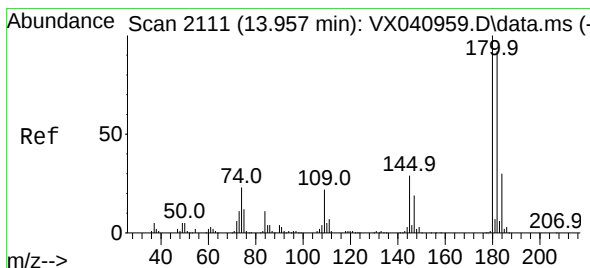
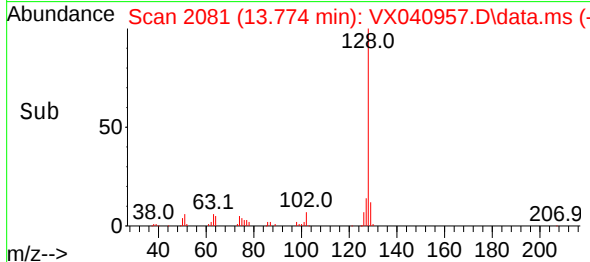
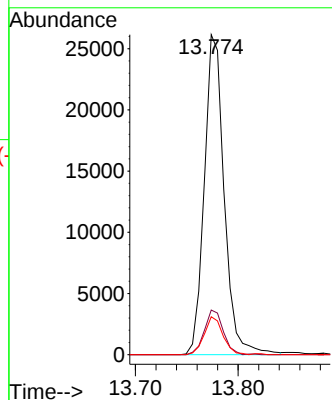
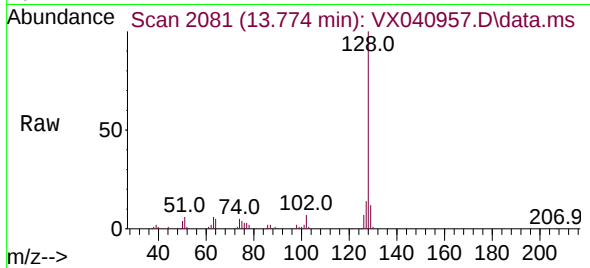




#71  
Naphthalene  
Concen: 3.637 ug/L  
RT: 13.774 min Scan# 2081  
Delta R.T. -0.000 min  
Lab File: VX040957.D  
Acq: 10 Apr 2024 16:06

Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion:128 Resp: 35229  
Ion Ratio Lower Upper  
128 100  
127 13.2 10.4 15.6  
129 11.1 8.6 13.0



#72  
1,2,3-Trichlorobenzene  
Concen: 4.061 ug/L  
RT: 13.963 min Scan# 2112  
Delta R.T. 0.006 min  
Lab File: VX040957.D  
Acq: 10 Apr 2024 16:06

Tgt Ion:180 Resp: 14078  
Ion Ratio Lower Upper  
180 100  
182 95.9 77.0 115.6  
145 27.7 23.4 35.2

