

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX041724\  
 Data File : VX041148.D  
 Acq On : 18 Apr 2024 00:09  
 Operator : JC/MD  
 Sample : P2039-03MSD 10X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Apr 18 02:27:20 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML041724WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Apr 18 02:15:13 2024  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.763   | 114   | 283133   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.055  | 117   | 257960   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024  | 152   | 134455   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.368   | 65    | 94128    | 46.461   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 92.920%  |
| 7) Chloroethane-d5            | 1.648   | 69    | 46933    | 46.551   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 93.100%  |
| 11) 1,1-Dichloroethene-d2     | 2.294   | 65    | 40989    | 47.224   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 94.440%  |
| 21) 2-Butanone-d5             | 4.477   | 46    | 133689   | 115.593  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 115.590% |
| 24) Chloroform-d              | 5.056   | 84    | 194733   | 52.221   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 104.440% |
| 26) 1,2-Dichloroethane-d4     | 5.952   | 65    | 123334   | 52.047   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 104.100% |
| 32) Benzene-d6                | 5.970   | 84    | 382417   | 51.466   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 102.940% |
| 36) 1,2-Dichloropropane-d6    | 7.306   | 67    | 113854   | 52.936   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 105.880% |
| 41) Toluene-d8                | 8.647   | 98    | 345921   | 49.627   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 99.260%  |
| 43) trans-1,3-Dichloroprop... | 8.952   | 79    | 50713    | 52.707   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 105.420% |
| 47) 2-Hexanone-d5             | 9.391   | 63    | 101274   | 115.977  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 115.980% |
| 56) 1,1,2,2-Tetrachloroeth... | 11.189  | 84    | 172297   | 54.907   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 109.820% |
| 66) 1,2-Dichlorobenzene-d4    | 12.317  | 152   | 153085   | 52.943   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 105.880% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.166   | 85    | 77334    | 43.652   | ug/L   | 100      |
| 3) Chloromethane              | 1.301   | 50    | 88452    | 52.156   | ug/L   | 100      |
| 5) Vinyl chloride             | 1.374   | 62    | 92018    | 50.359   | ug/L   | 97       |
| 6) Bromomethane               | 1.599   | 94    | 48110    | 50.245   | ug/L   | 100      |
| 8) Chloroethane               | 1.666   | 64    | 30715    | 42.876   | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 1.861   | 101   | 127864   | 46.667   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.313   | 101   | 76524    | 41.233   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.306   | 96    | 78910    | 49.768   | ug/L   | 98       |
| 13) Acetone                   | 2.398   | 43    | 87794    | 94.639   | ug/L   | 99       |
| 14) Carbon disulfide          | 2.502   | 76    | 146005   | 45.358   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.709   | 43    | 106263   | 53.925   | ug/L   | 97       |
| 16) Methylene chloride        | 2.782   | 84    | 94307    | 53.008   | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 3.087   | 96    | 79434    | 49.578   | ug/L   | 99       |
| 18) Methyl tert-butyl Ether   | 3.123   | 73    | 295682   | 53.608   | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 3.605   | 63    | 159286   | 52.175   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 4.483   | 96    | 98417    | 51.527   | ug/L   | 99       |
| 22) 2-Butanone                | 4.574   | 43    | 145667   | 104.807  | ug/L   | 96       |
| 23) Bromochloromethane        | 4.904   | 128   | 53001    | 53.298   | ug/L   | 96       |
| 25) Chloroform                | 5.093   | 83    | 170107   | 51.865   | ug/L   | 99       |

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 Sample : P2039-03MSD 10X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 33 Sample Multiplier: 1

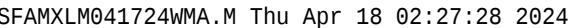
Instrument :  
 MSVOA\_X  
 ClientSampleId :

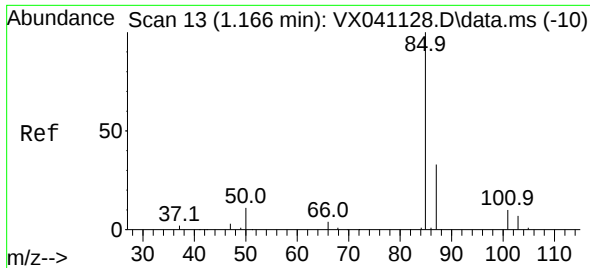
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 Quant Title : VOC Analysis  
 QLast Update : Thu Apr 18 02:15:13 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 6.086  | 62   | 135659   | 52.413  | ug/L  | 99       |
| 29) Cyclohexane               | 5.458  | 56   | 104389   | 40.226  | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane     | 5.379  | 97   | 139963   | 50.011  | ug/L  | 98       |
| 31) Carbon tetrachloride      | 5.678  | 117  | 115272   | 47.911  | ug/L  | 99       |
| 33) Benzene                   | 6.031  | 78   | 346704   | 51.530  | ug/L  | 100      |
| 34) Trichloroethene           | 7.123  | 95   | 89065    | 48.901  | ug/L  | 98       |
| 35) Methylcyclohexane         | 7.379  | 83   | 106529   | 38.483  | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 7.427  | 63   | 92798    | 53.188  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.824  | 83   | 117812   | 52.826  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 8.366  | 75   | 139655   | 52.561  | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone      | 8.580  | 43   | 291323   | 112.357 | ug/L  | 100      |
| 42) Toluene                   | 8.714  | 91   | 367842   | 50.695  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.976  | 75   | 126041   | 52.064  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 9.153  | 97   | 101420   | 53.933  | ug/L  | 99       |
| 46) Tetrachloroethene         | 9.275  | 164  | 79573    | 45.631  | ug/L  | 99       |
| 48) 2-Hexanone                | 9.433  | 43   | 204641   | 101.627 | ug/L  | 94       |
| 49) Dibromochloromethane      | 9.519  | 129  | 101247   | 53.005  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 9.610  | 107  | 106156   | 54.200  | ug/L  | 99       |
| 51) Chlorobenzene             | 10.079 | 112  | 253870   | 50.197  | ug/L  | 100      |
| 52) Ethylbenzene              | 10.195 | 91   | 390936   | 48.356  | ug/L  | 100      |
| 53) m,p-Xylene                | 10.299 | 106  | 158403   | 49.494  | ug/L  | 97       |
| 54) o-Xylene                  | 10.640 | 106  | 159897   | 49.886  | ug/L  | 100      |
| 55) Styrene                   | 10.653 | 104  | 272784   | 51.142  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 163172   | 54.347  | ug/L  | 100      |
| 59) Bromoform                 | 10.799 | 173  | 85817    | 56.513  | ug/L  | 99       |
| 60) Isopropylbenzene          | 10.963 | 105  | 396060   | 49.942  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 11.238 | 75   | 125257   | 56.508  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 323828   | 50.009  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 330424   | 51.303  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.969 | 146  | 206760   | 51.097  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 12.043 | 146  | 207549   | 50.281  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 12.335 | 146  | 222702   | 53.071  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.945 | 75   | 32695    | 57.800  | ug/L  | 96       |
| 69) 1,3,5-Trichlorobenzene    | 13.109 | 180  | 152390   | 48.361  | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.585 | 180  | 140545   | 49.460  | ug/L  | 99       |
| 71) Naphthalene               | 13.774 | 128  | 454272   | 55.698  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 154023   | 51.920  | ug/L  | 99       |

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

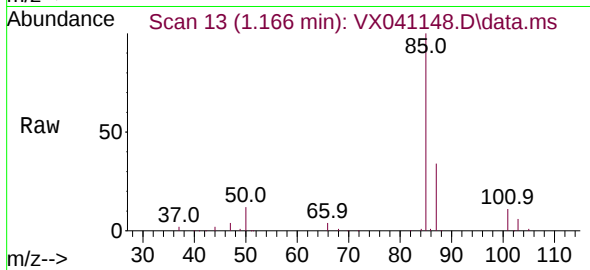
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML041724WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Apr 18 02:15:13 2024  
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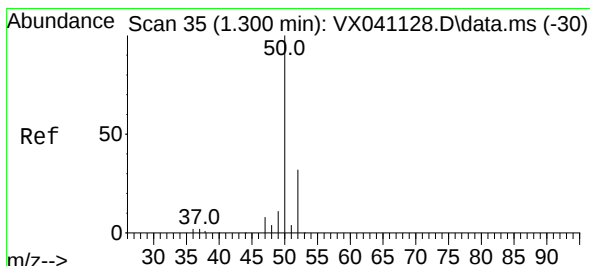
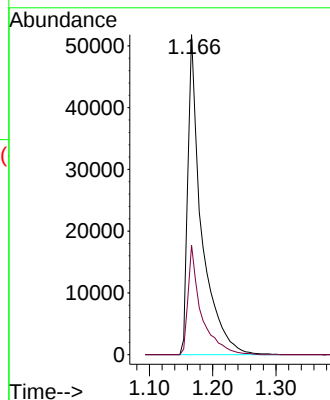
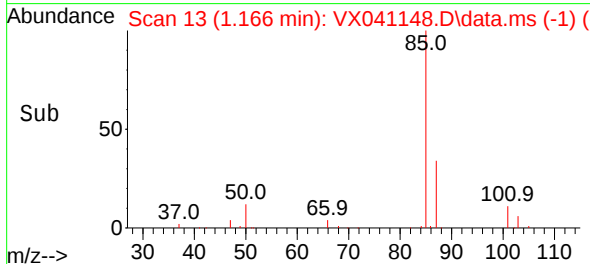


#2  
 Dichlorodifluoromethane  
 Concen: 43.652 ug/L  
 RT: 1.166 min Scan# 14  
 Delta R.T. 0.000 min  
 Lab File: VX041148.D  
 Acq: 18 Apr 2024 00:09

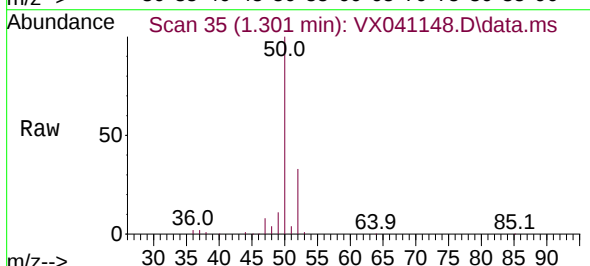
Instrument :  
 MSVOA\_X  
 ClientSampleId :



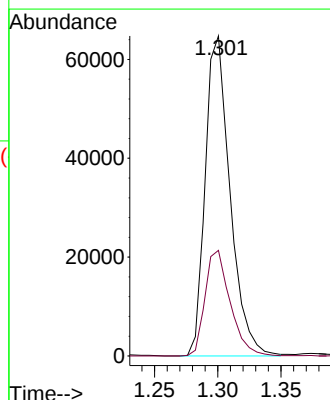
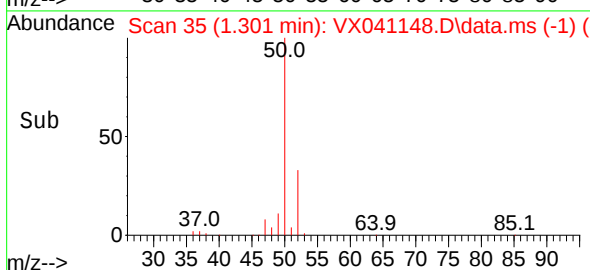
Tgt Ion: 85 Resp: 77334  
 Ion Ratio Lower Upper  
 85 100  
 87 33.0 26.2 39.2

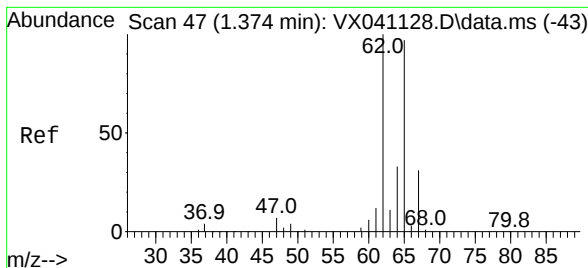


#3  
 Chloromethane  
 Concen: 52.156 ug/L  
 RT: 1.301 min Scan# 35  
 Delta R.T. 0.000 min  
 Lab File: VX041148.D  
 Acq: 18 Apr 2024 00:09



Tgt Ion: 50 Resp: 88452  
 Ion Ratio Lower Upper  
 50 100  
 52 33.0 23.2 43.2





#5

Vinyl chloride

Concen: 50.359 ug/L

RT: 1.374 min Scan# 41

Delta R.T. 0.000 min

Lab File: VX041148.D

Acq: 18 Apr 2024 00:09

Instrument :

MSVOA\_X

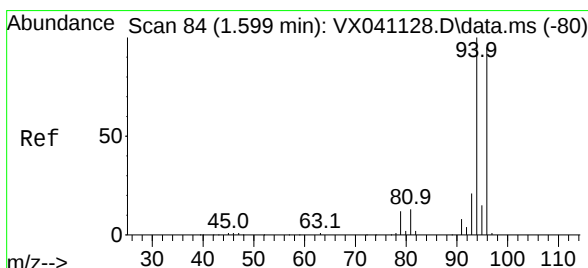
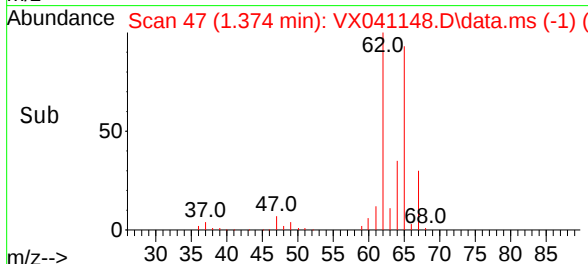
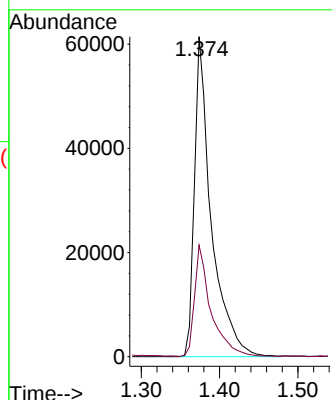
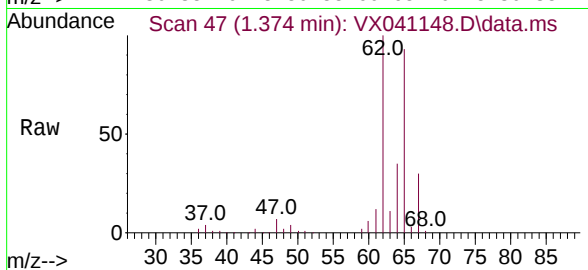
ClientSampleId :

Tgt Ion: 62 Resp: 92018

Ion Ratio Lower Upper

62 100

64 34.9 23.0 42.8



#6

Bromomethane

Concen: 50.245 ug/L

RT: 1.599 min Scan# 84

Delta R.T. 0.000 min

Lab File: VX041148.D

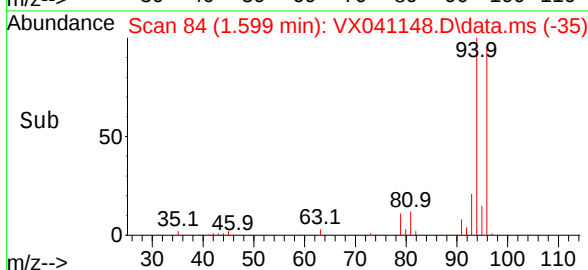
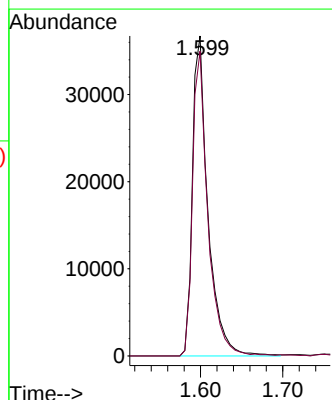
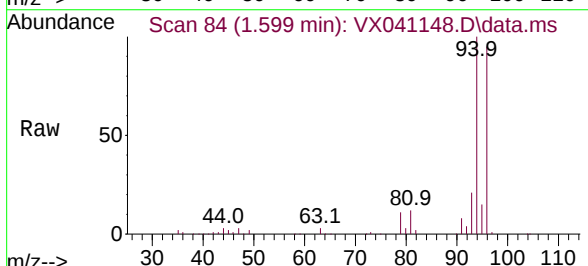
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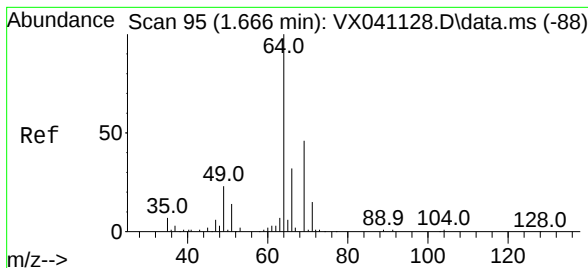
Tgt Ion: 94 Resp: 48110

Ion Ratio Lower Upper

94 100

96 95.3 66.5 123.5

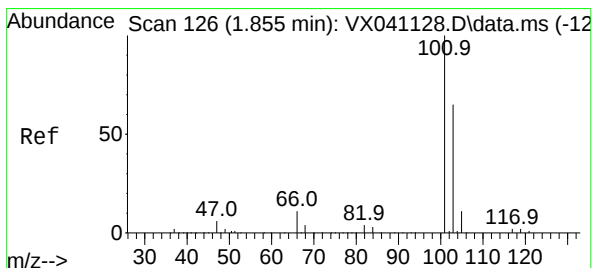
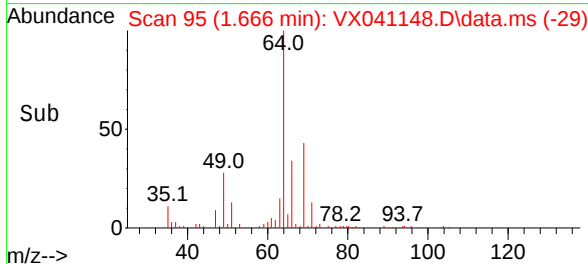
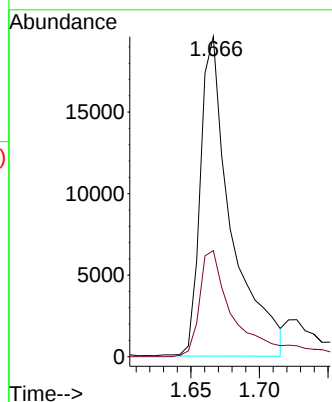
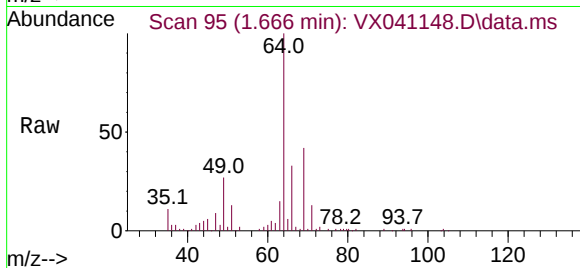




#8  
Chloroethane  
Concen: 42.876 ug/L  
RT: 1.666 min Scan# 95  
Delta R.T. 0.000 min  
Lab File: VX041148.D  
Acq: 18 Apr 2024 00:09

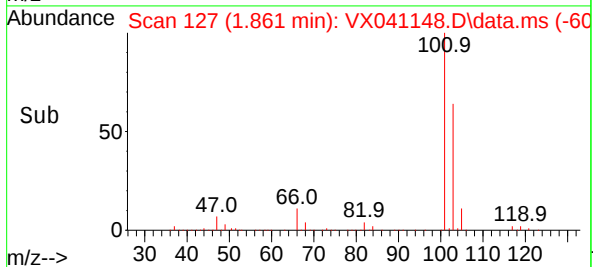
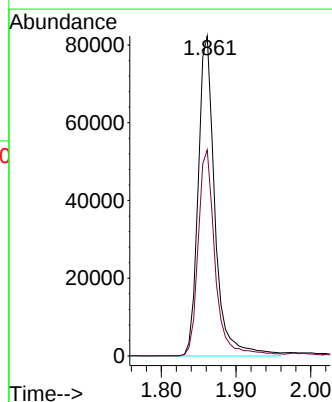
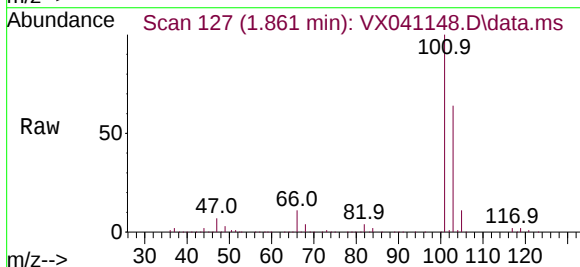
Instrument :  
MSVOA\_X  
ClientSampleId :

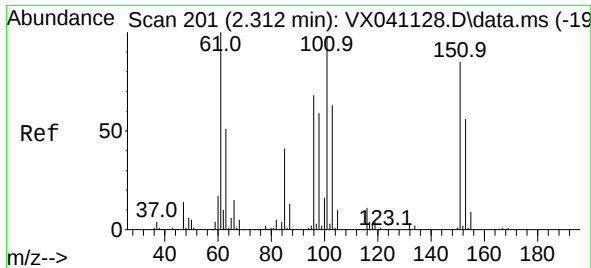
Tgt Ion: 64 Resp: 30715  
Ion Ratio Lower Upper  
64 100  
66 33.1 24.7 45.9



#9  
Trichlorofluoromethane  
Concen: 46.667 ug/L  
RT: 1.861 min Scan# 127  
Delta R.T. 0.006 min  
Lab File: VX041148.D  
Acq: 18 Apr 2024 00:09

Tgt Ion:101 Resp: 127864  
Ion Ratio Lower Upper  
101 100  
103 64.7 52.6 78.8





#10

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

Concen: 41.233 ug/L

RT: 2.313 min Scan# 201

Delta R.T. 0.000 min

Lab File: VX041148.D

Acq: 18 Apr 2024 00:09

Instrument :

MSVOA\_X

ClientSampleId :

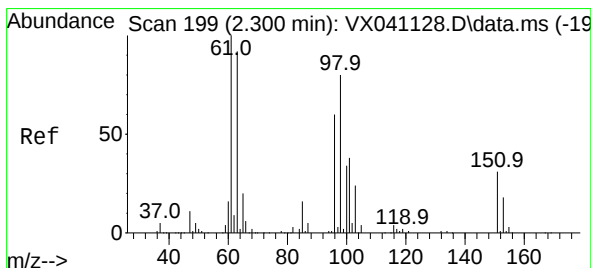
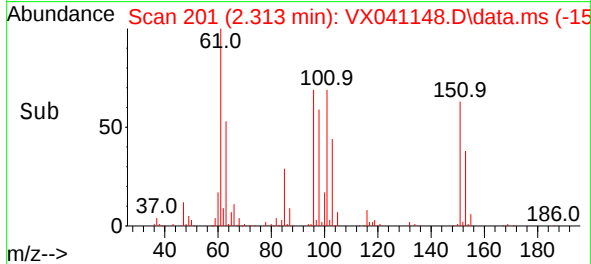
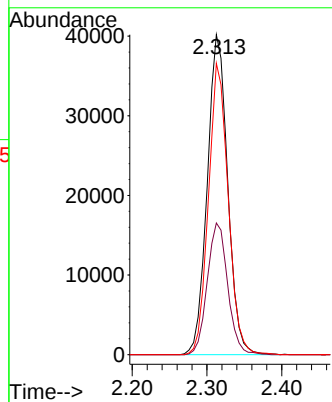
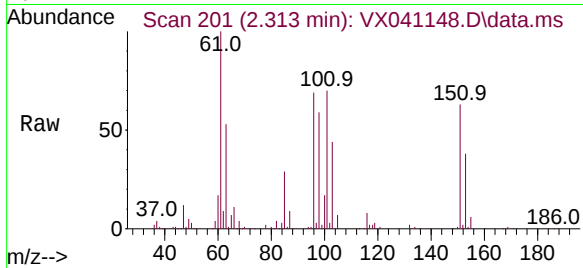
Tgt Ion:101 Resp: 76524

Ion Ratio Lower Upper

101 100

85 41.1 33.4 50.2

151 87.9 70.5 105.7



#12

1,1-Dichloroethene

Concen: 49.768 ug/L

RT: 2.306 min Scan# 200

Delta R.T. 0.006 min

Lab File: VX041148.D

Acq: 18 Apr 2024 00:09

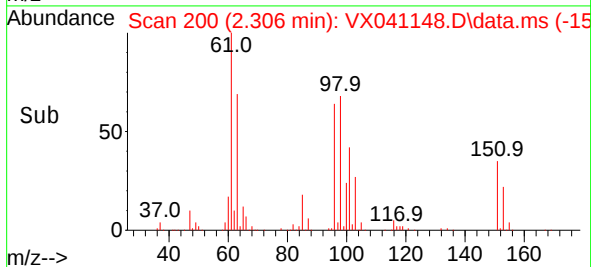
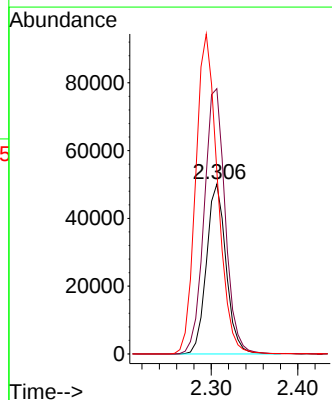
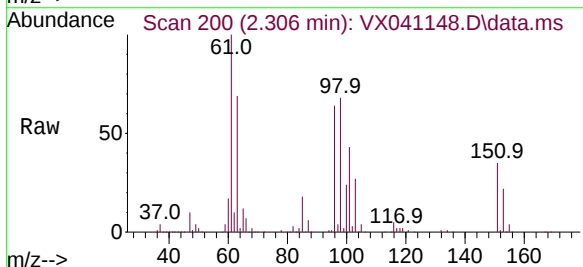
Tgt Ion: 96 Resp: 78910

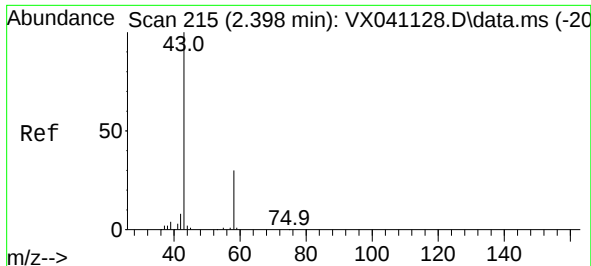
Ion Ratio Lower Upper

96 100

61 156.4 110.3 204.9

63 107.7 77.4 143.8





#13

Acetone

Concen: 94.639 ug/L

RT: 2.398 min Scan# 215

Delta R.T. 0.000 min

Lab File: VX041148.D

Acq: 18 Apr 2024 00:09

Instrument :

MSVOA\_X

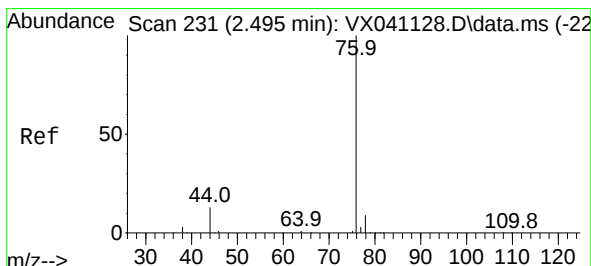
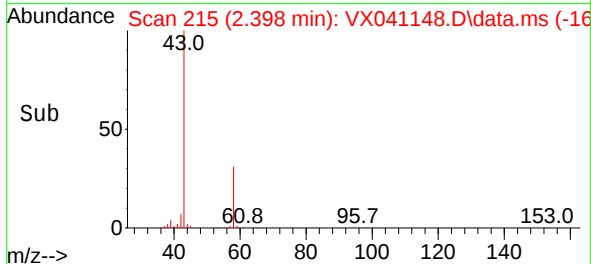
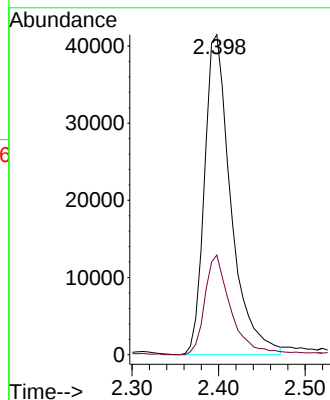
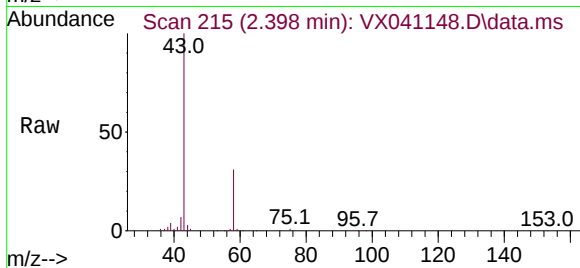
ClientSampleId :

Tgt Ion: 43 Resp: 87794

Ion Ratio Lower Upper

43 100

58 30.6 0.0 62.4



#14

Carbon disulfide

Concen: 45.358 ug/L

RT: 2.502 min Scan# 232

Delta R.T. 0.006 min

Lab File: VX041148.D

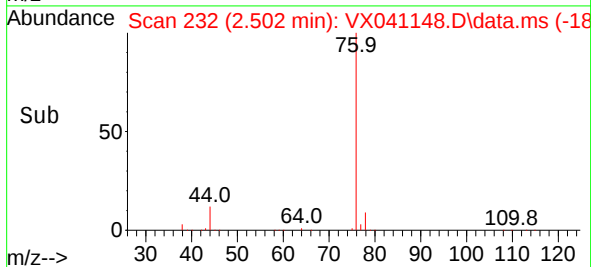
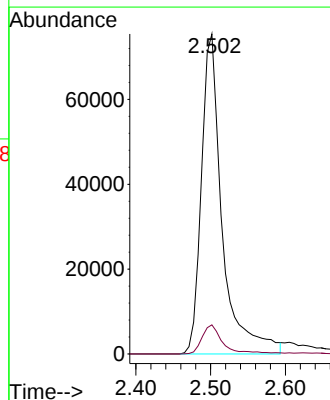
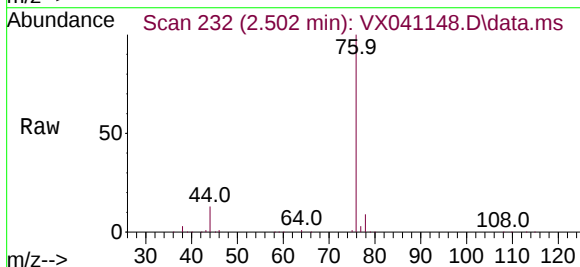
Acq: 18 Apr 2024 00:09

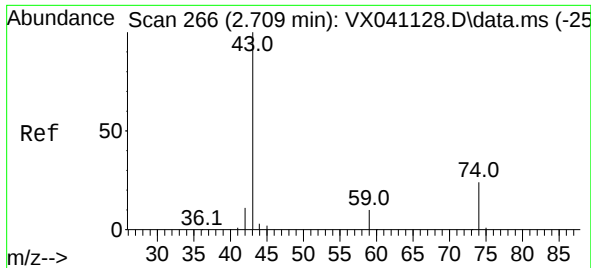
Tgt Ion: 76 Resp: 146005

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2





#15

Methyl Acetate

Concen: 53.925 ug/L

RT: 2.709 min Scan# 266

Delta R.T. 0.000 min

Lab File: VX041148.D

Acq: 18 Apr 2024 00:09

Instrument :

MSVOA\_X

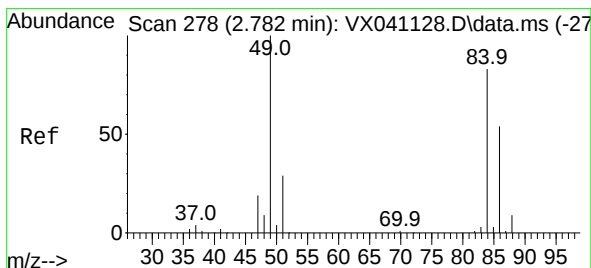
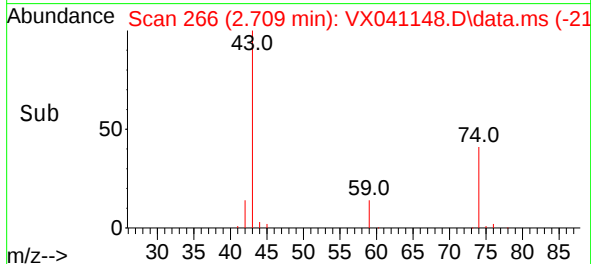
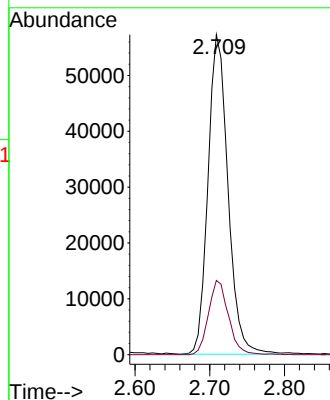
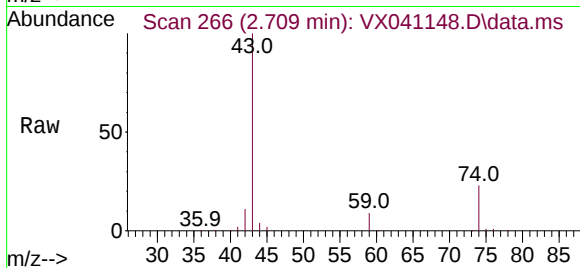
ClientSampleId :

Tgt Ion: 43 Resp: 106263

Ion Ratio Lower Upper

43 100

74 23.1 19.9 29.9



#16

Methylene chloride

Concen: 53.008 ug/L

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX041148.D

Acq: 18 Apr 2024 00:09

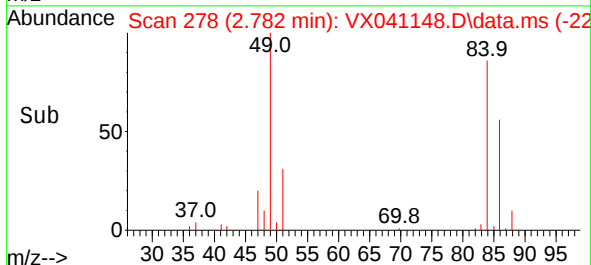
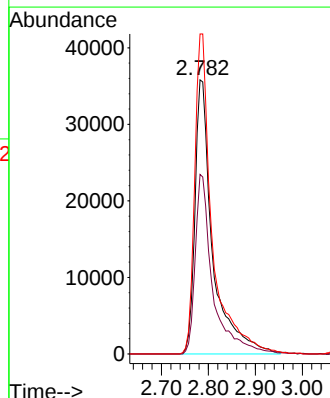
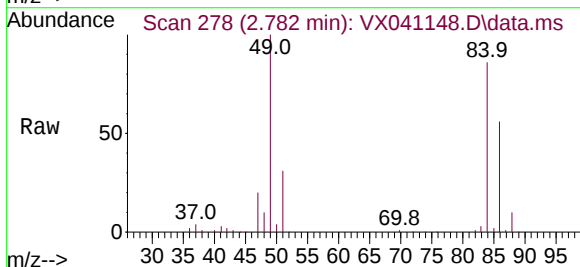
Tgt Ion: 84 Resp: 94307

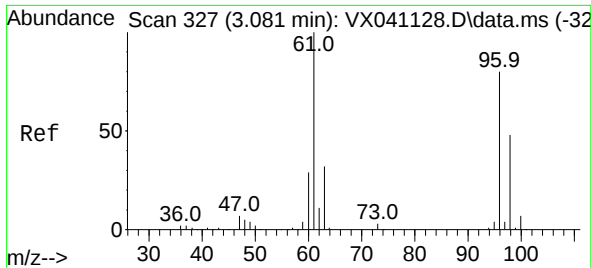
Ion Ratio Lower Upper

84 100

86 65.5 44.7 83.1

49 116.8 80.6 149.8





#17

trans-1,2-Dichloroethene

Concen: 49.578 ug/L

RT: 3.087 min Scan# 327

Delta R.T. 0.006 min

Lab File: VX041148.D

Acq: 18 Apr 2024 00:09

Instrument :

MSVOA\_X

ClientSampleId :

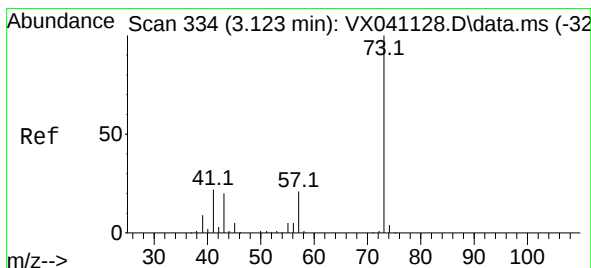
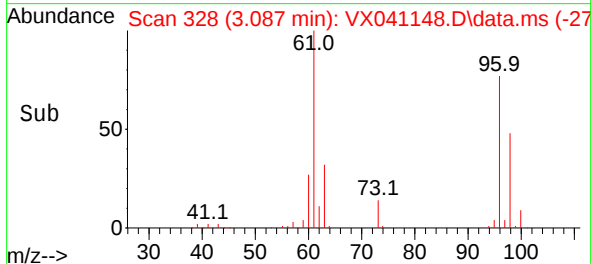
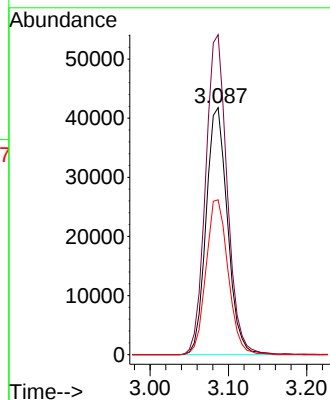
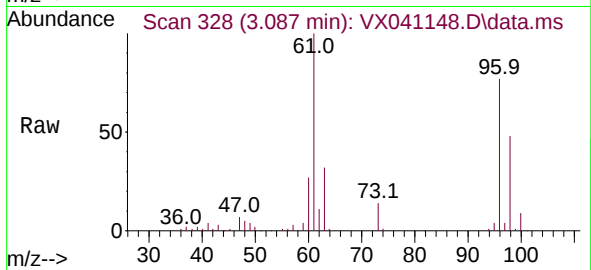
Tgt Ion: 96 Resp: 79434

Ion Ratio Lower Upper

96 100

61 129.5 89.6 166.4

98 62.7 43.4 80.6



#18

Methyl tert-butyl Ether

Concen: 53.608 ug/L

RT: 3.123 min Scan# 334

Delta R.T. 0.000 min

Lab File: VX041148.D

Acq: 18 Apr 2024 00:09

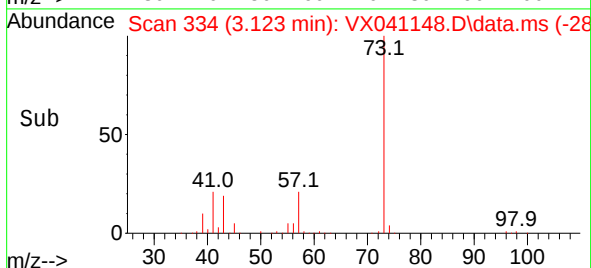
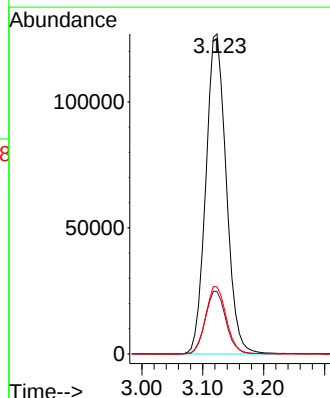
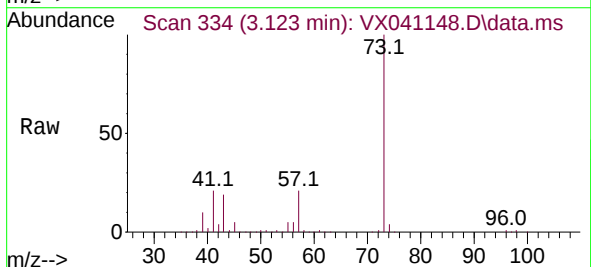
Tgt Ion: 73 Resp: 295682

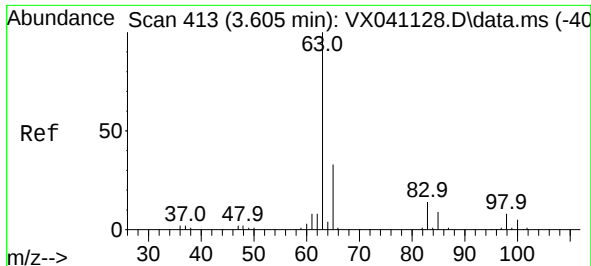
Ion Ratio Lower Upper

73 100

43 19.9 16.1 24.1

57 21.3 17.0 25.4





#19

1,1-Dichloroethane

Concen: 52.175 ug/L

RT: 3.605 min Scan# 41

Delta R.T. 0.000 min

Lab File: VX041148.D

Acq: 18 Apr 2024 00:09

Instrument :

MSVOA\_X

ClientSampleId :

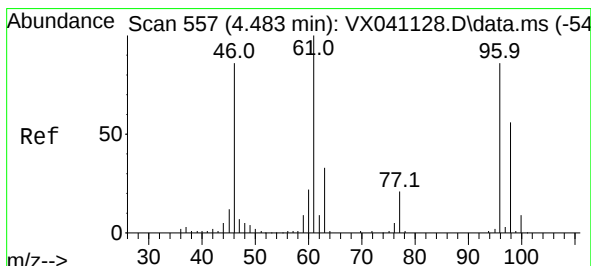
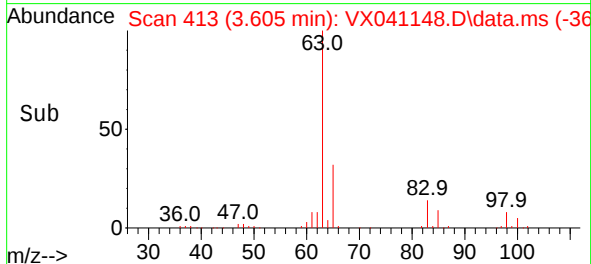
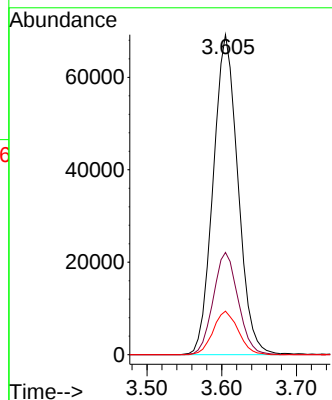
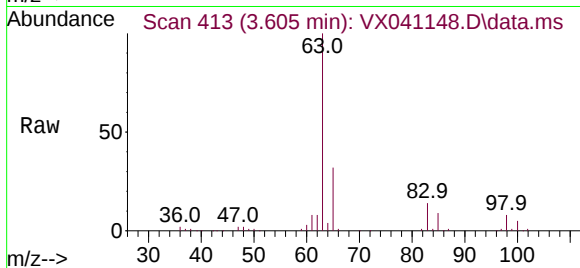
Tgt Ion: 63 Resp: 159286

Ion Ratio Lower Upper

63 100

65 31.9 22.3 41.3

83 13.6 10.1 18.9



#20

cis-1,2-Dichloroethene

Concen: 51.527 ug/L

RT: 4.483 min Scan# 557

Delta R.T. 0.000 min

Lab File: VX041148.D

Acq: 18 Apr 2024 00:09

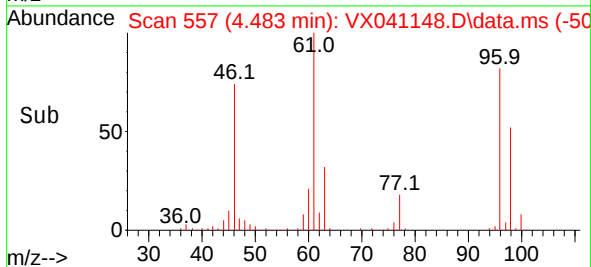
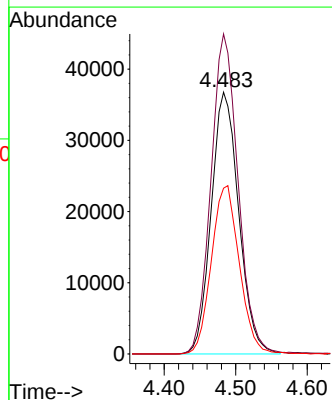
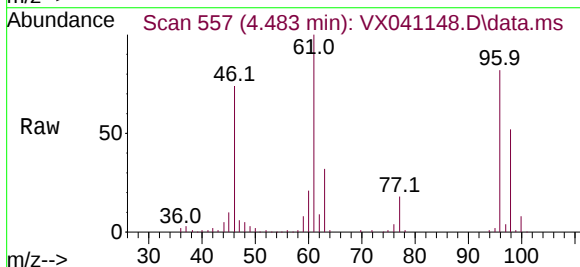
Tgt Ion: 96 Resp: 98417

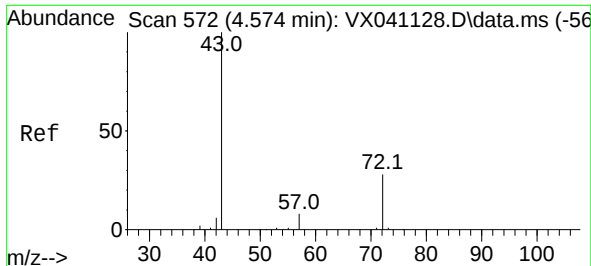
Ion Ratio Lower Upper

96 100

61 122.2 86.5 160.7

98 63.4 45.4 84.2





#22

2-Butanone

Concen: 104.807 ug/L

RT: 4.574 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX041148.D

Acq: 18 Apr 2024 00:09

Instrument :

MSVOA\_X

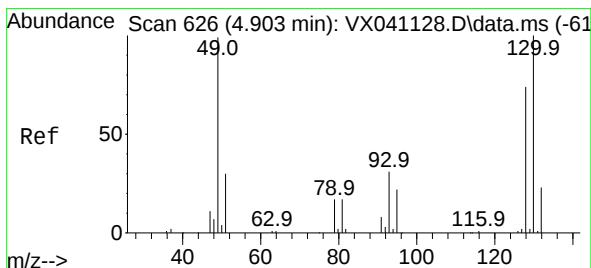
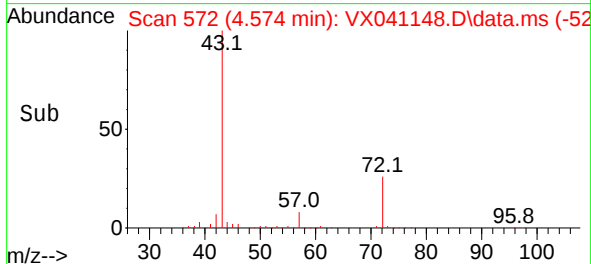
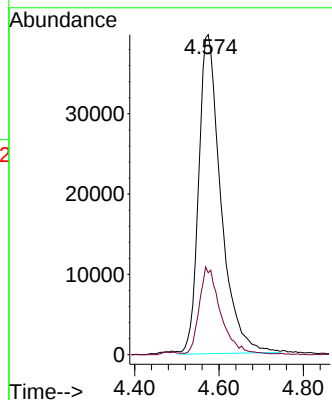
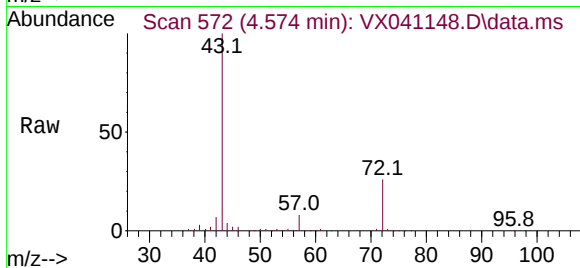
ClientSampleId :

Tgt Ion: 43 Resp: 145667

Ion Ratio Lower Upper

43 100

72 26.8 12.5 37.5



#23

Bromochloromethane

Concen: 53.298 ug/L

RT: 4.904 min Scan# 626

Delta R.T. 0.000 min

Lab File: VX041148.D

Acq: 18 Apr 2024 00:09

Tgt Ion: 128 Resp: 53001

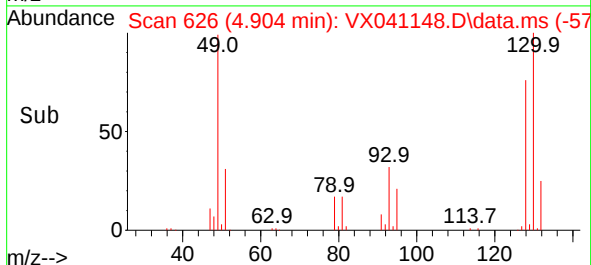
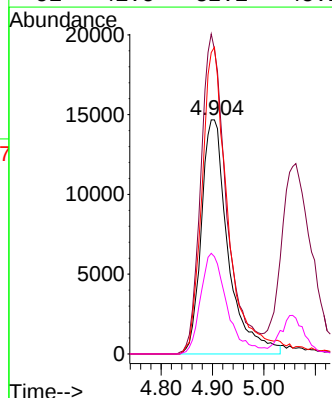
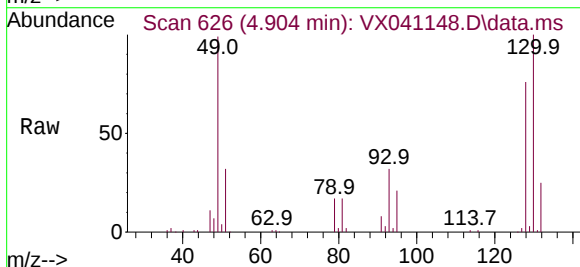
Ion Ratio Lower Upper

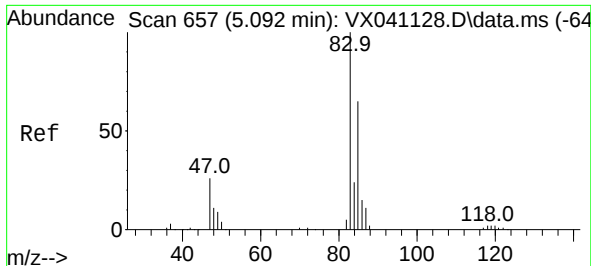
128 100

49 130.1 97.2 180.6

130 131.0 90.6 168.2

51 41.5 32.1 48.1





#25

Chloroform

Concen: 51.865 ug/L

RT: 5.093 min Scan# 61

Delta R.T. 0.000 min

Lab File: VX041148.D

Acq: 18 Apr 2024 00:09

Instrument :

MSVOA\_X

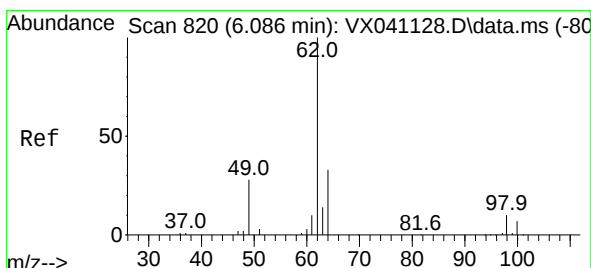
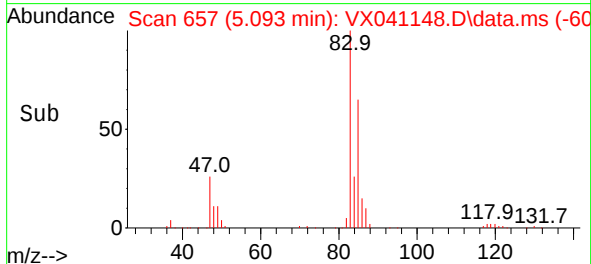
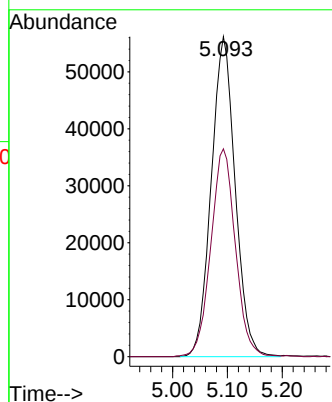
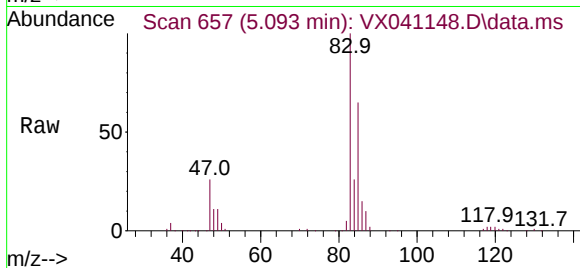
ClientSampleId :

Tgt Ion: 83 Resp: 170107

Ion Ratio Lower Upper

83 100

85 65.0 45.9 85.3



#27

1,2-Dichloroethane

Concen: 52.413 ug/L

RT: 6.086 min Scan# 820

Delta R.T. 0.000 min

Lab File: VX041148.D

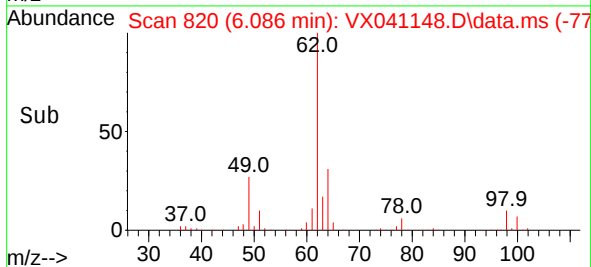
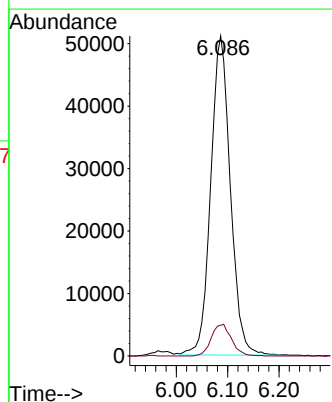
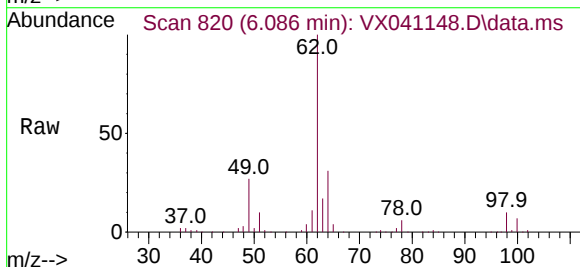
Acq: 18 Apr 2024 00:09

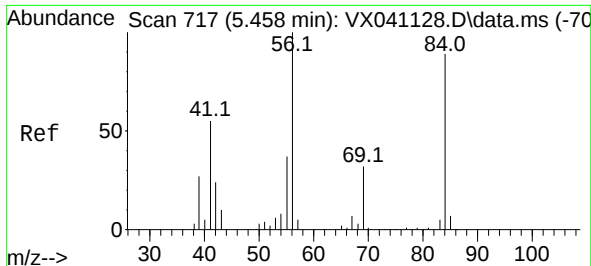
Tgt Ion: 62 Resp: 135659

Ion Ratio Lower Upper

62 100

98 9.6 7.9 11.9





#29

Cyclohexane

Concen: 40.226 ug/L

RT: 5.458 min Scan# 717

Delta R.T. 0.000 min

Lab File: VX041148.D

Acq: 18 Apr 2024 00:09

Instrument :

MSVOA\_X

ClientSampleId :

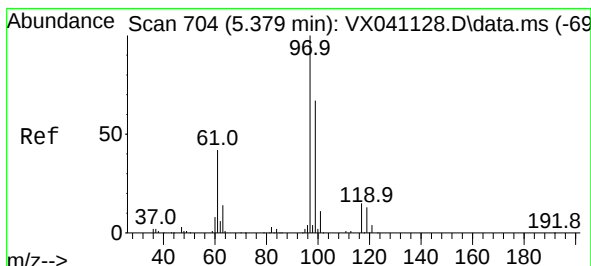
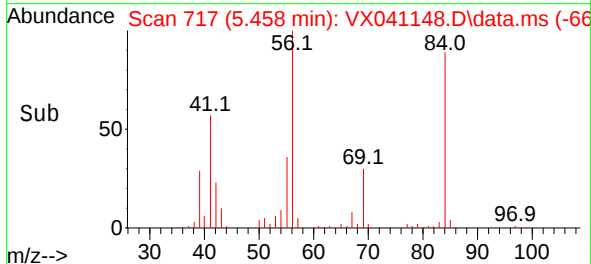
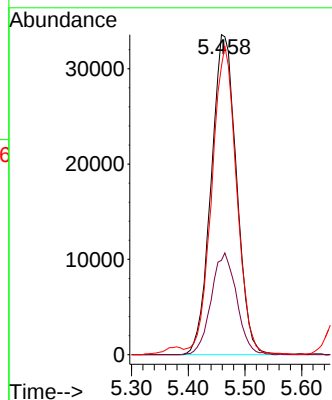
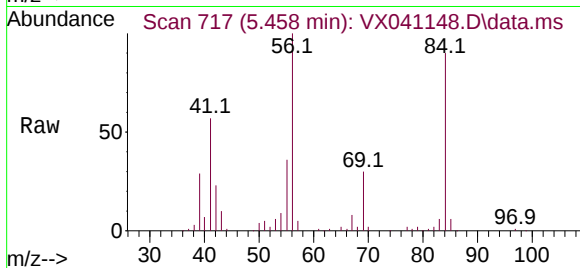
Tgt Ion: 56 Resp: 104389

Ion Ratio Lower Upper

56 100

69 31.8 25.1 37.7

84 93.6 75.0 112.6



#30

1,1,1-Trichloroethane

Concen: 50.011 ug/L

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX041148.D

Acq: 18 Apr 2024 00:09

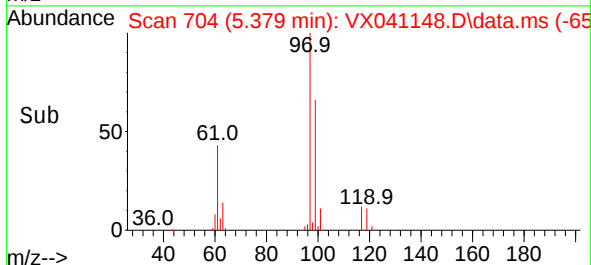
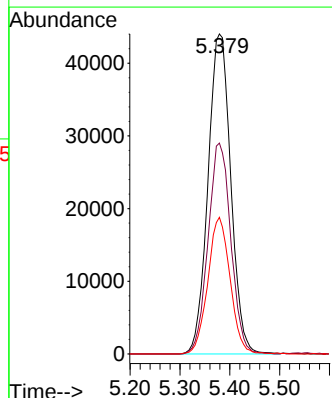
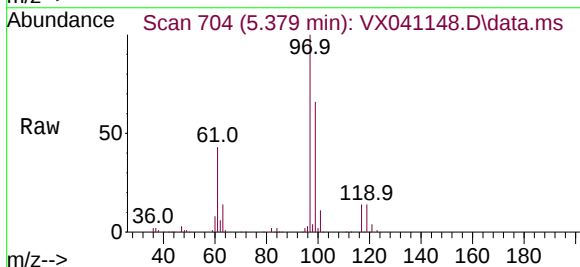
Tgt Ion: 97 Resp: 139963

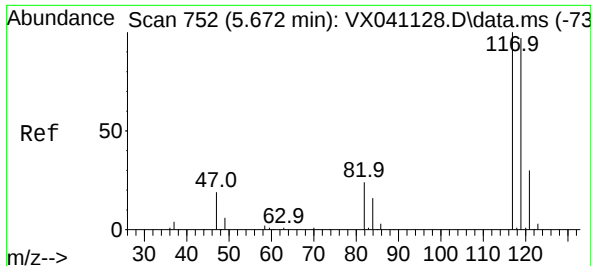
Ion Ratio Lower Upper

97 100

99 65.7 51.4 77.2

61 41.6 33.9 50.9

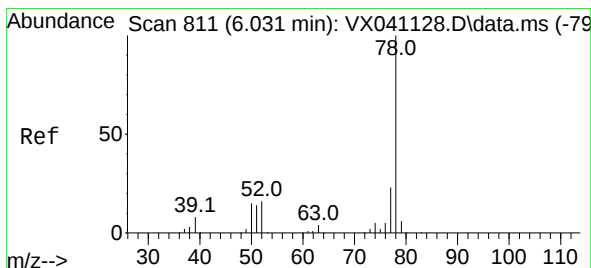
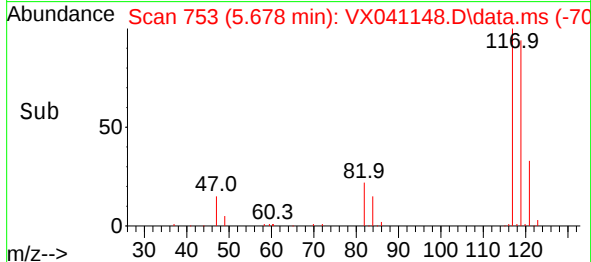
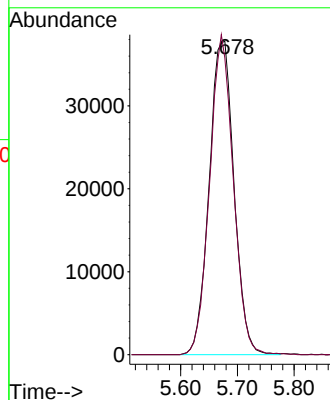
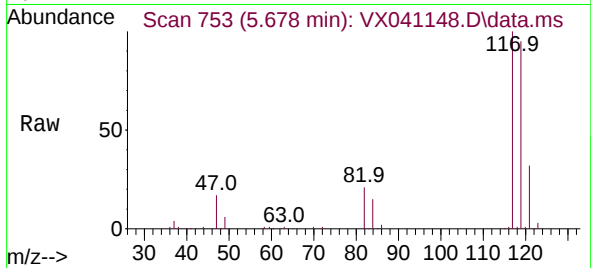




#31  
Carbon tetrachloride  
Concen: 47.911 ug/L  
RT: 5.678 min Scan# 752  
Delta R.T. 0.006 min  
Lab File: VX041148.D  
Acq: 18 Apr 2024 00:09

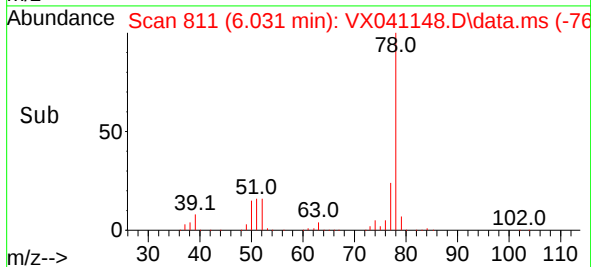
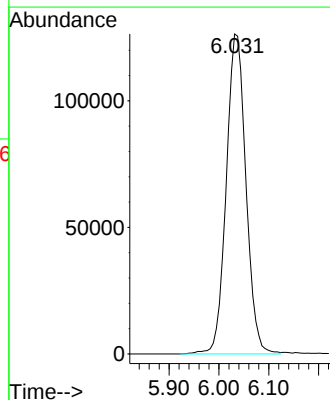
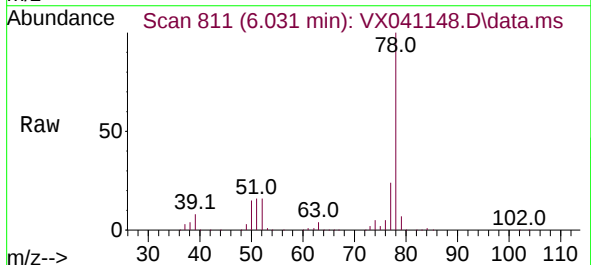
Instrument :  
MSVOA\_X  
ClientSampleId :

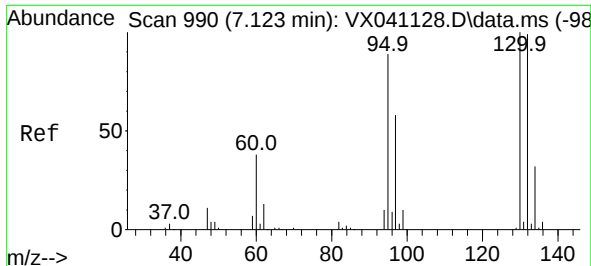
Tgt Ion:117 Resp: 115272  
Ion Ratio Lower Upper  
117 100  
119 96.7 78.1 117.1



#33  
Benzene  
Concen: 51.530 ug/L  
RT: 6.031 min Scan# 811  
Delta R.T. 0.000 min  
Lab File: VX041148.D  
Acq: 18 Apr 2024 00:09

Tgt Ion: 78 Resp: 346704





#34

Trichloroethene

Concen: 48.901 ug/L

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

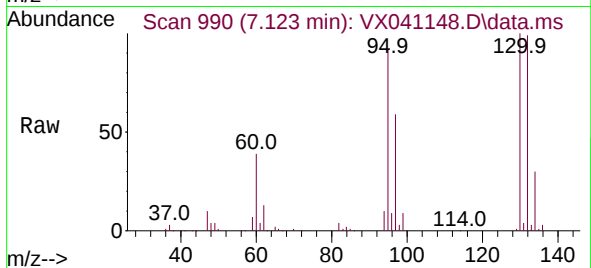
Lab File: VX041148.D

Acq: 18 Apr 2024 00:09

Instrument :

MSVOA\_X

ClientSampleId :



Tgt Ion: 95 Resp: 89065

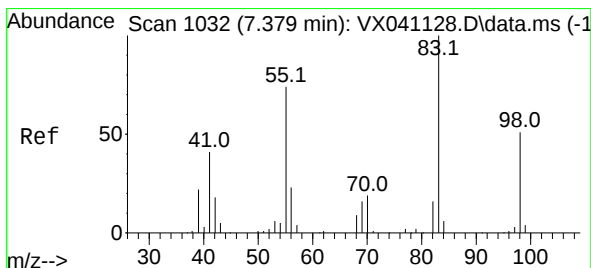
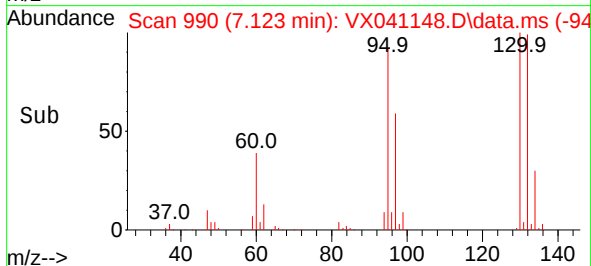
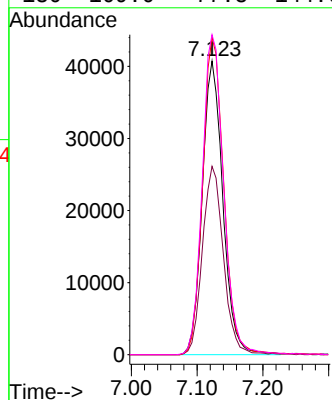
Ion Ratio Lower Upper

95 100

97 64.2 44.1 81.9

132 108.1 74.6 138.6

130 109.0 77.8 144.6



#35

Methylcyclohexane

Concen: 38.483 ug/L

RT: 7.379 min Scan# 1032

Delta R.T. 0.000 min

Lab File: VX041148.D

Acq: 18 Apr 2024 00:09

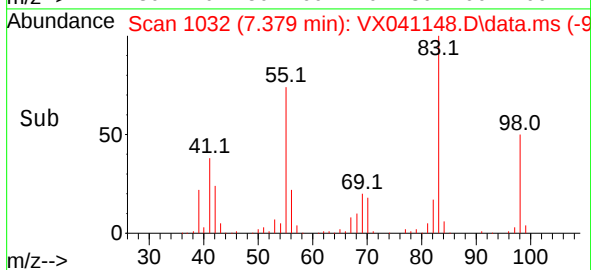
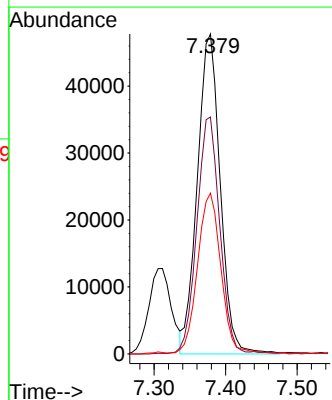
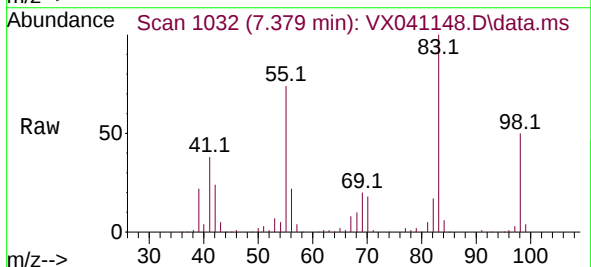
Tgt Ion: 83 Resp: 106529

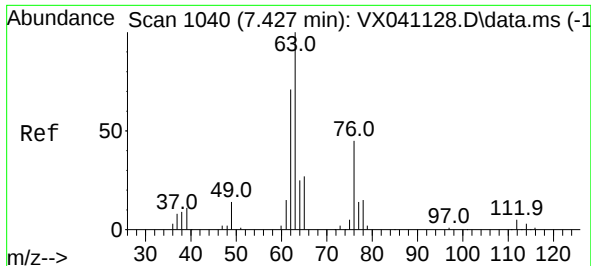
Ion Ratio Lower Upper

83 100

55 73.6 58.7 88.1

98 51.2 40.5 60.7

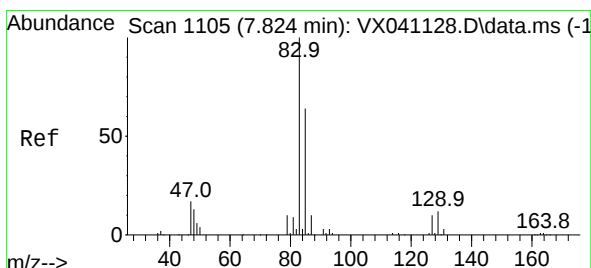
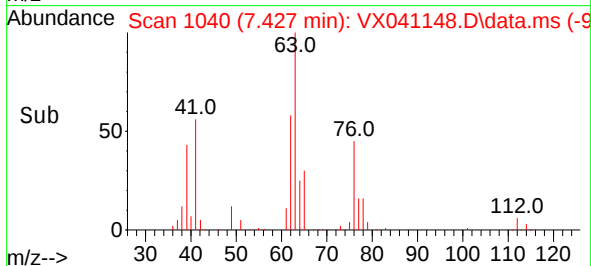
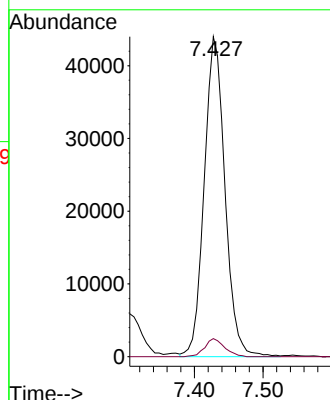
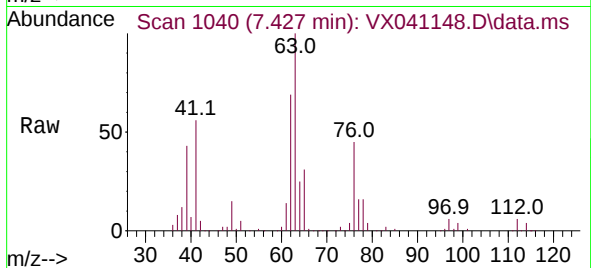




#37  
1,2-Dichloropropane  
Concen: 53.188 ug/L  
RT: 7.427 min Scan# 1104  
Delta R.T. 0.000 min  
Lab File: VX041148.D  
Acq: 18 Apr 2024 00:09

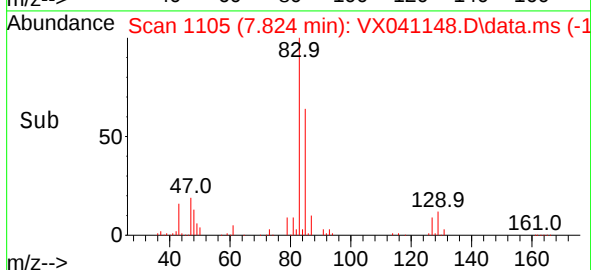
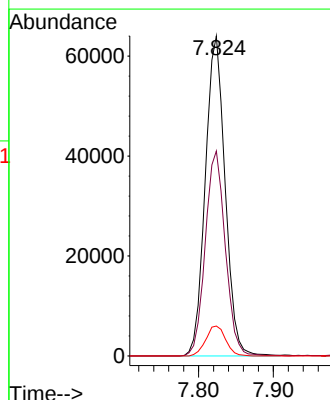
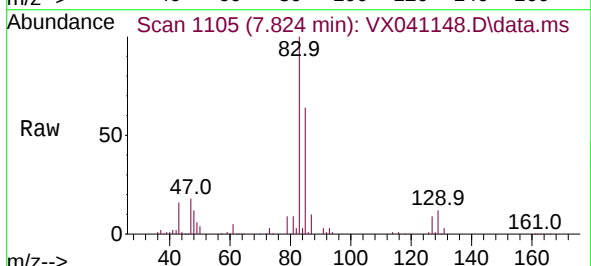
Instrument :  
MSVOA\_X  
ClientSampleId :

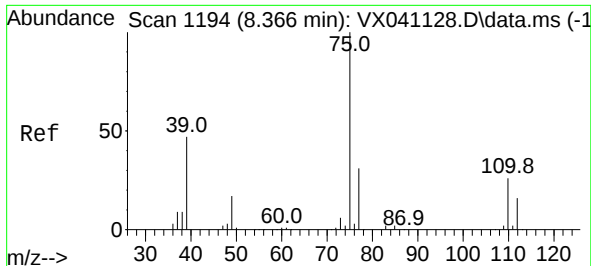
Tgt Ion: 63 Resp: 92798  
Ion Ratio Lower Upper  
63 100  
112 5.4 4.2 6.4



#38  
Bromodichloromethane  
Concen: 52.826 ug/L  
RT: 7.824 min Scan# 1105  
Delta R.T. 0.000 min  
Lab File: VX041148.D  
Acq: 18 Apr 2024 00:09

Tgt Ion: 83 Resp: 117812  
Ion Ratio Lower Upper  
83 100  
85 64.1 45.6 84.8  
127 9.4 7.8 11.8





#39

cis-1,3-Dichloropropene

Concen: 52.561 ug/L

RT: 8.366 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX041148.D

Acq: 18 Apr 2024 00:09

Instrument :

MSVOA\_X

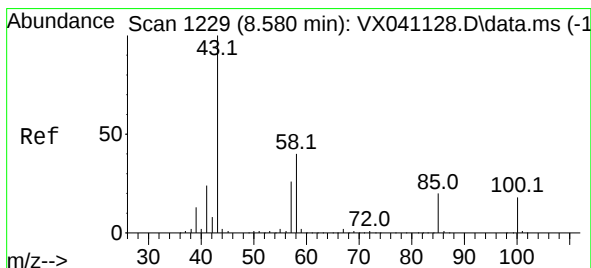
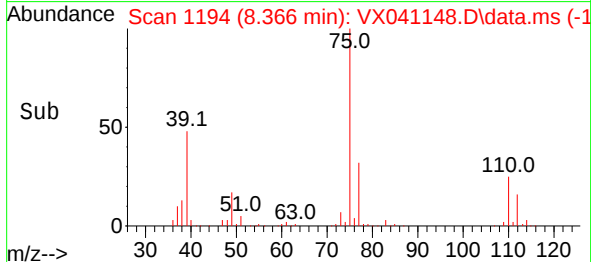
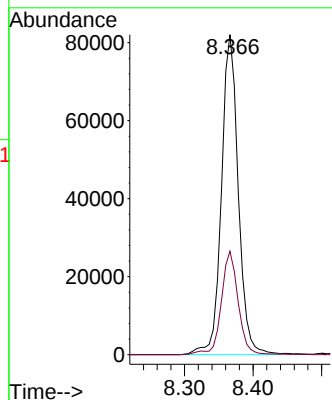
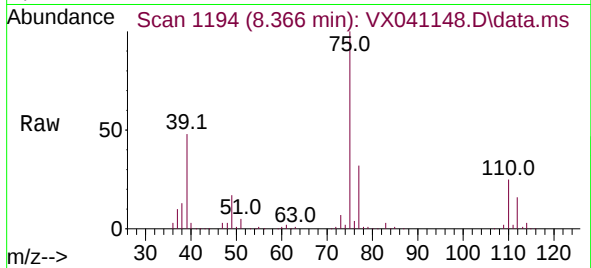
ClientSampleId :

Tgt Ion: 75 Resp: 139655

Ion Ratio Lower Upper

75 100

77 32.3 21.6 40.0



#40

4-Methyl-2-pentanone

Concen: 112.357 ug/L

RT: 8.580 min Scan# 1229

Delta R.T. 0.000 min

Lab File: VX041148.D

Acq: 18 Apr 2024 00:09

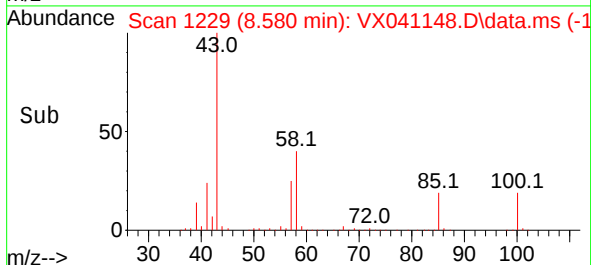
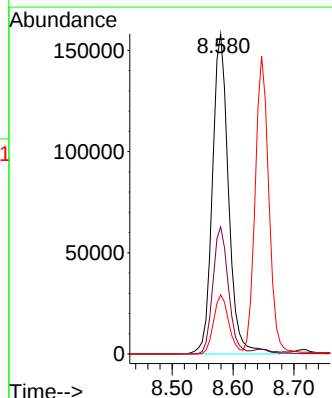
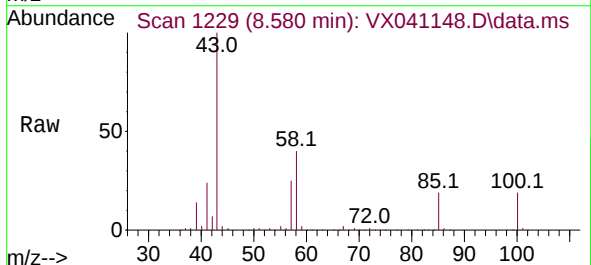
Tgt Ion: 43 Resp: 291323

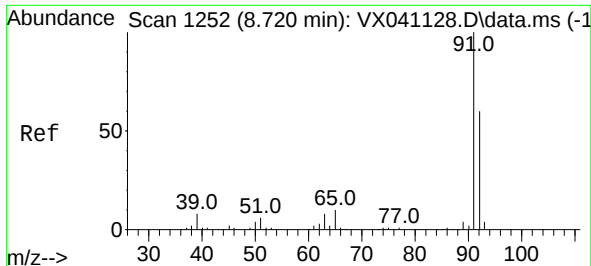
Ion Ratio Lower Upper

43 100

58 38.1 30.6 46.0

100 17.4 13.8 20.6





#42

Toluene

Concen: 50.695 ug/L

RT: 8.714 min Scan# 1251

Delta R.T. -0.006 min

Lab File: VX041148.D

Acq: 18 Apr 2024 00:09

Instrument :

MSVOA\_X

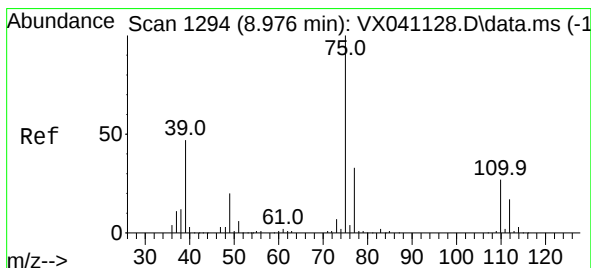
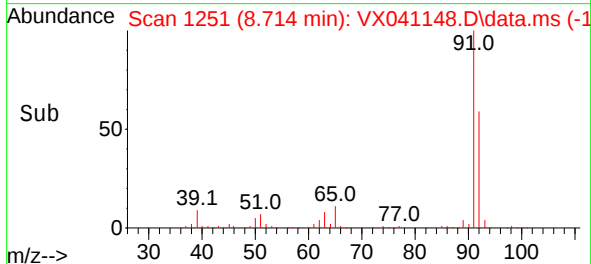
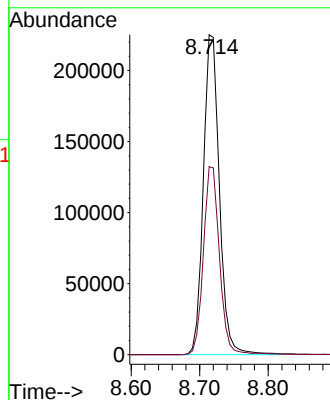
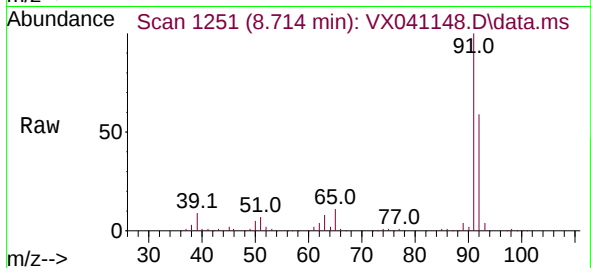
ClientSampleId :

Tgt Ion: 91 Resp: 367842

Ion Ratio Lower Upper

91 100

92 58.8 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 52.064 ug/L

RT: 8.976 min Scan# 1294

Delta R.T. 0.000 min

Lab File: VX041148.D

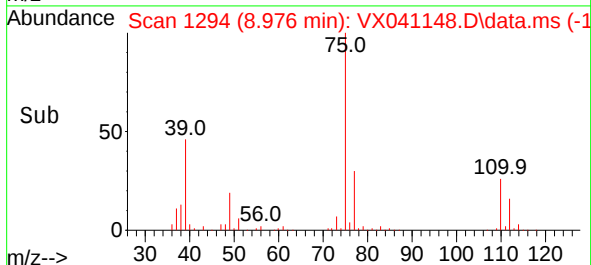
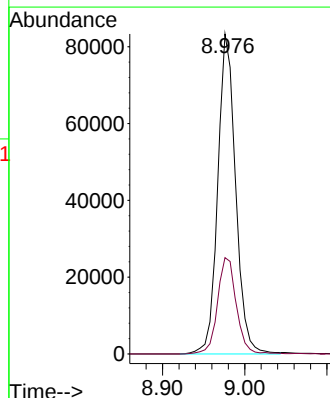
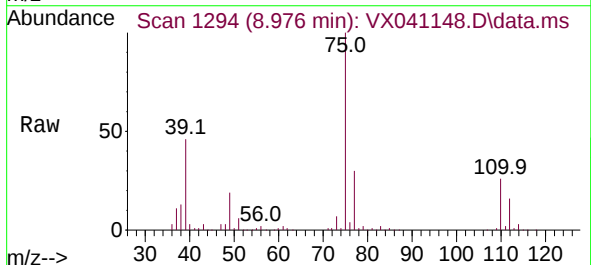
Acq: 18 Apr 2024 00:09

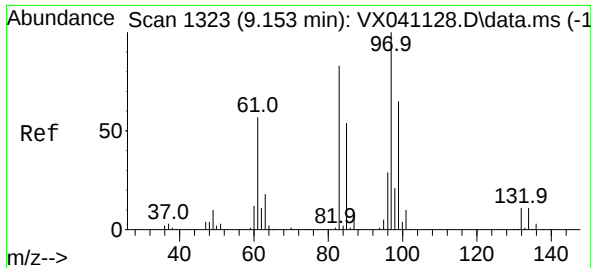
Tgt Ion: 75 Resp: 126041

Ion Ratio Lower Upper

75 100

77 30.1 21.8 40.6

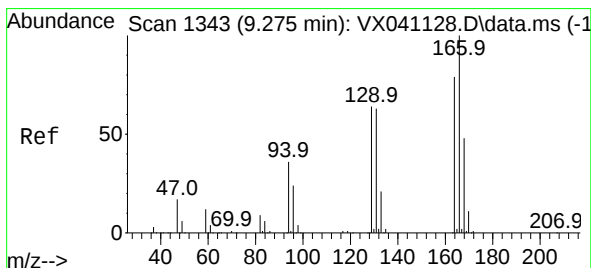
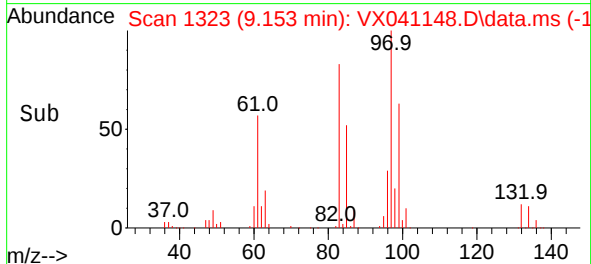
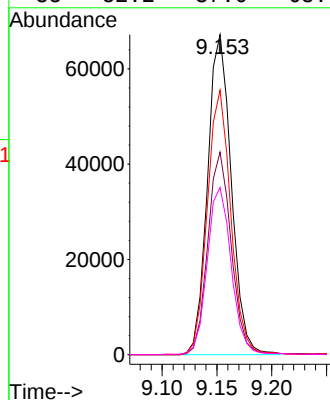
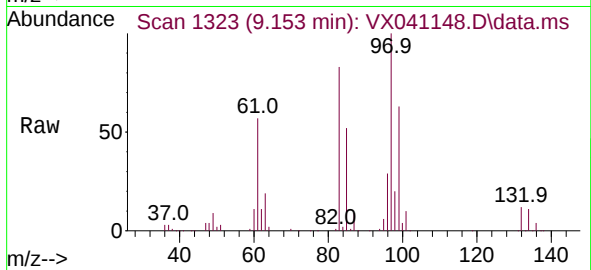




#45  
1,1,2-Trichloroethane  
Concen: 53.933 ug/L  
RT: 9.153 min Scan# 1323  
Delta R.T. 0.000 min  
Lab File: VX041148.D  
Acq: 18 Apr 2024 00:09

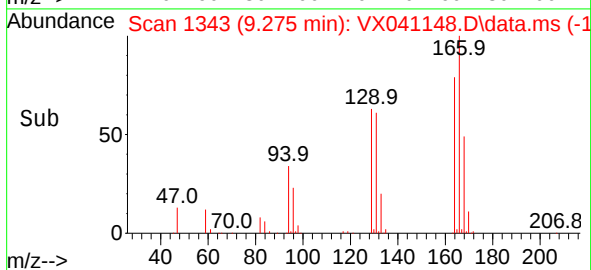
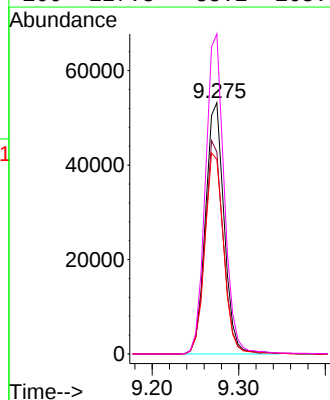
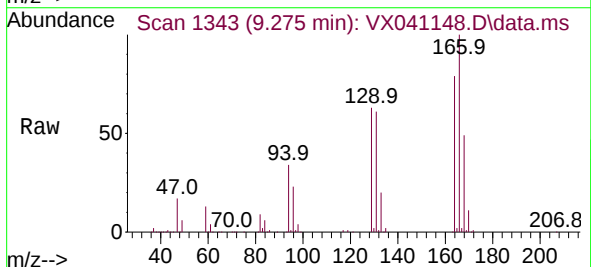
Instrument :  
MSVOA\_X  
ClientSampleId :

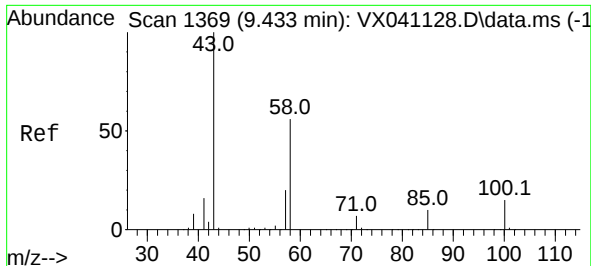
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 101420 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 63.3  | 44.4  | 82.4   |
| 83       | 82.6  | 57.3  | 106.5  |
| 85       | 52.2  | 37.0  | 68.6   |



#46  
Tetrachloroethene  
Concen: 45.631 ug/L  
RT: 9.275 min Scan# 1343  
Delta R.T. 0.000 min  
Lab File: VX041148.D  
Acq: 18 Apr 2024 00:09

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 79573 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 80.4  | 56.5  | 104.9 |
| 131      | 77.4  | 55.2  | 102.4 |
| 166      | 127.3 | 88.2  | 163.8 |





#48

2-Hexanone

Concen: 101.627 ug/L

RT: 9.433 min Scan# 1369

Delta R.T. 0.000 min

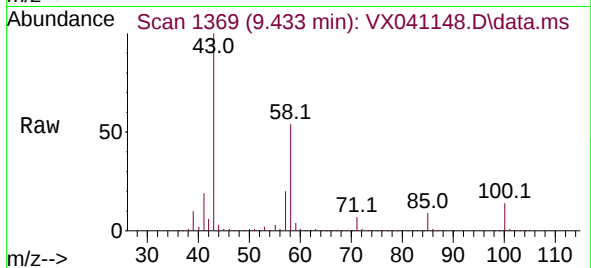
Lab File: VX041148.D

Acq: 18 Apr 2024 00:09

Instrument :

MSVOA\_X

ClientSampleId :



Tgt Ion: 43 Resp: 204641

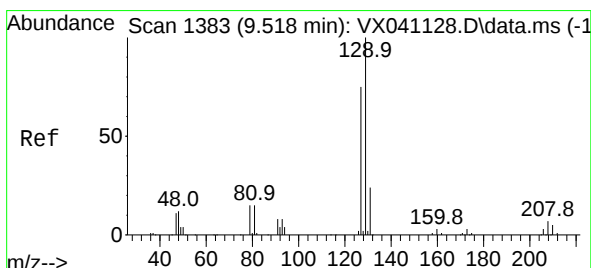
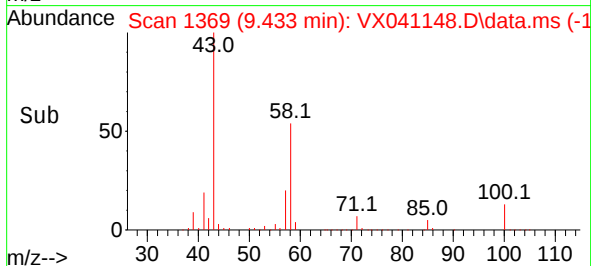
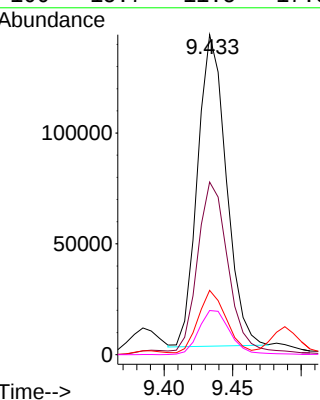
Ion Ratio Lower Upper

43 100

58 60.4 43.8 65.8

57 20.4 15.0 22.6

100 15.7 11.5 17.3



#49

Dibromochloromethane

Concen: 53.005 ug/L

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX041148.D

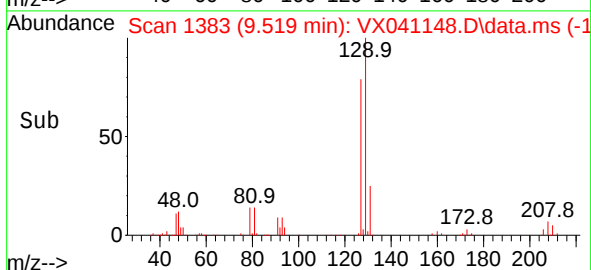
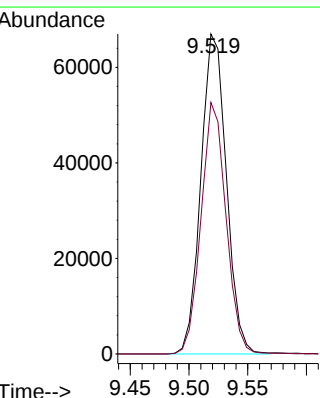
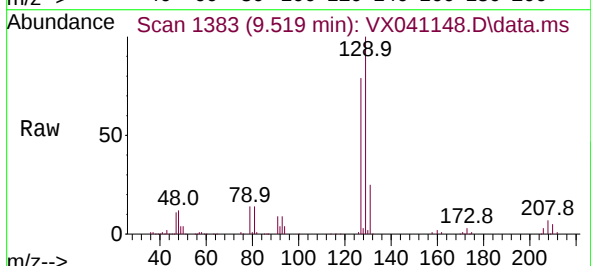
Acq: 18 Apr 2024 00:09

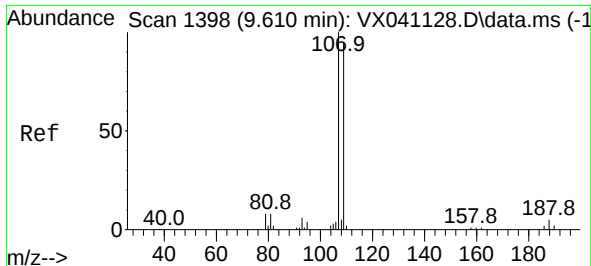
Tgt Ion: 129 Resp: 101247

Ion Ratio Lower Upper

129 100

127 78.6 53.9 100.1





#50

1,2-Dibromoethane

Concen: 54.200 ug/L

RT: 9.610 min Scan# 1398

Delta R.T. 0.000 min

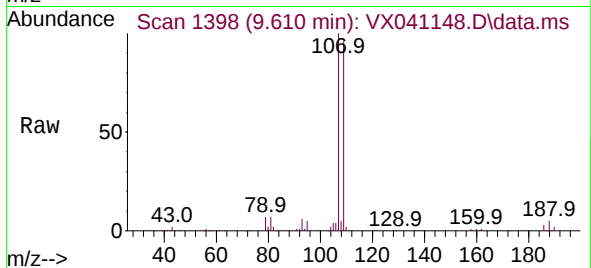
Lab File: VX041148.D

Acq: 18 Apr 2024 00:09

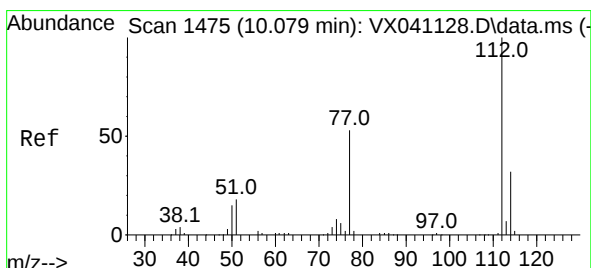
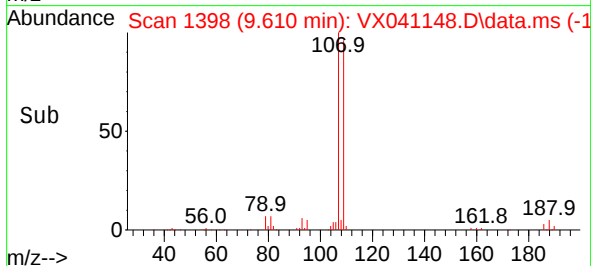
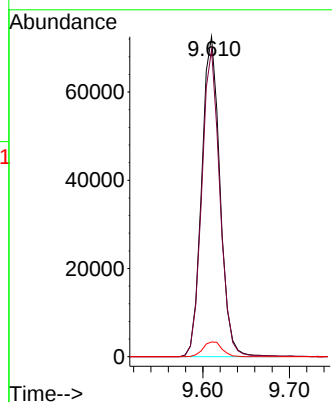
Instrument :

MSVOA\_X

ClientSampleId :



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 107   | Resp: | 106156 |
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 109       | 96.0  | 66.6  | 123.6  |
| 188       | 4.6   | 3.8   | 5.8    |



#51

Chlorobenzene

Concen: 50.197 ug/L

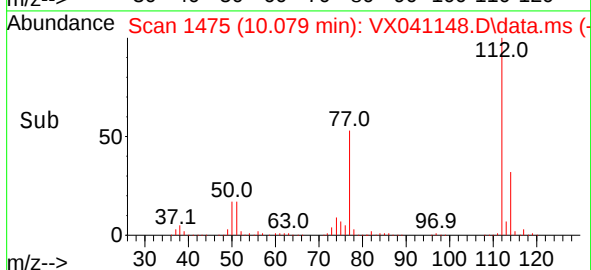
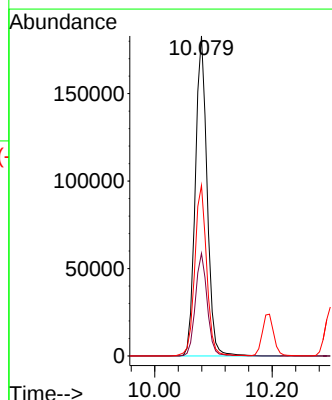
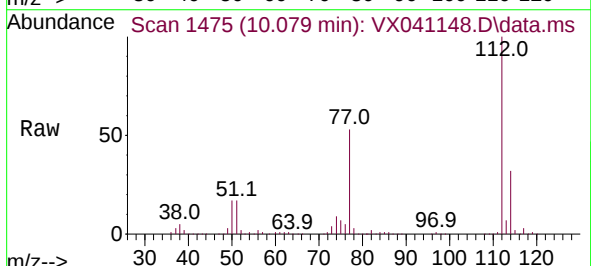
RT: 10.079 min Scan# 1475

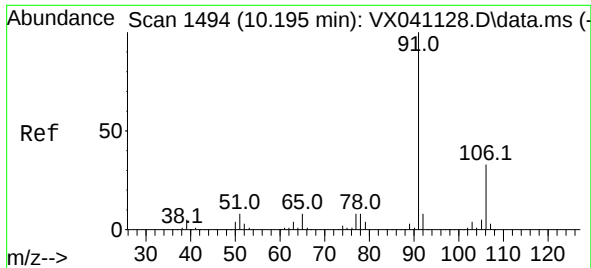
Delta R.T. 0.000 min

Lab File: VX041148.D

Acq: 18 Apr 2024 00:09

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 112   | Resp: | 253870 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 114       | 32.1  | 22.5  | 41.9   |
| 77        | 53.3  | 42.6  | 64.0   |





#52

Ethylbenzene

Concen: 48.356 ug/L

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX041148.D

Acq: 18 Apr 2024 00:09

Instrument :

MSVOA\_X

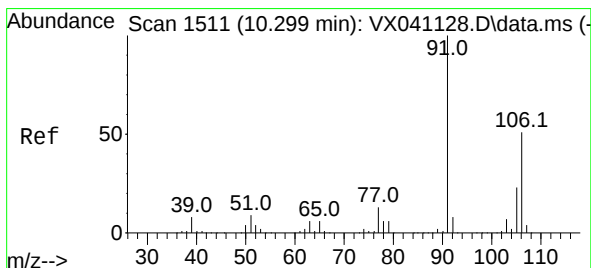
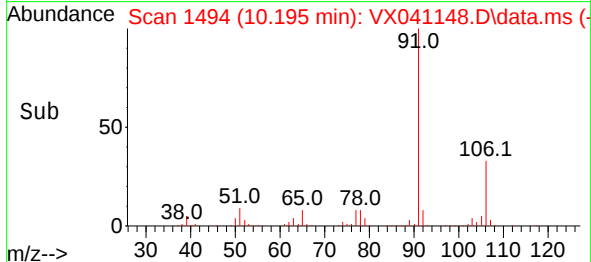
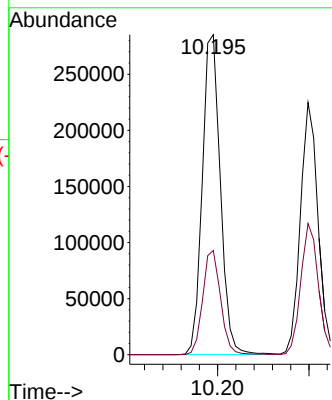
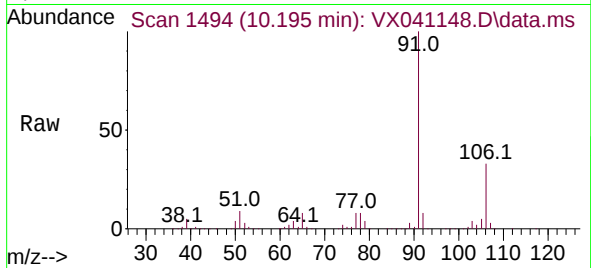
ClientSampleId :

Tgt Ion: 91 Resp: 390936

Ion Ratio Lower Upper

91 100

106 32.5 22.7 42.3



#53

m,p-Xylene

Concen: 49.494 ug/L

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX041148.D

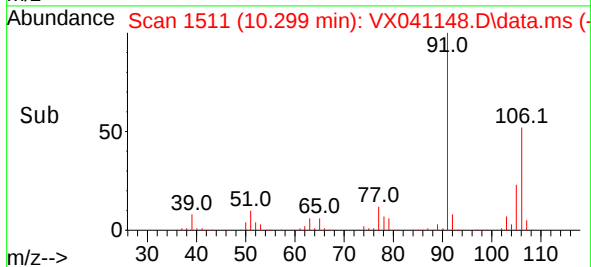
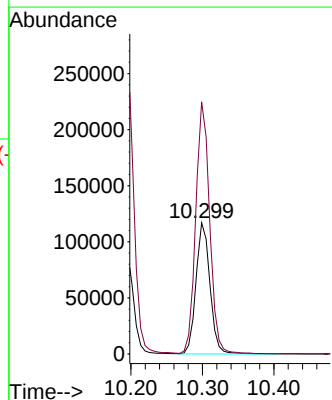
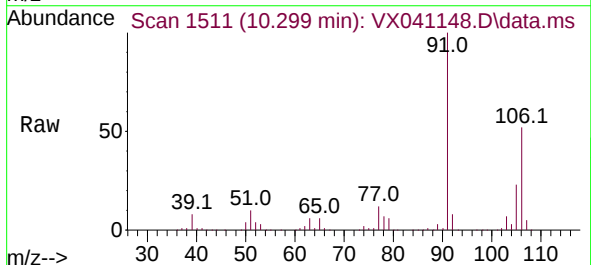
Acq: 18 Apr 2024 00:09

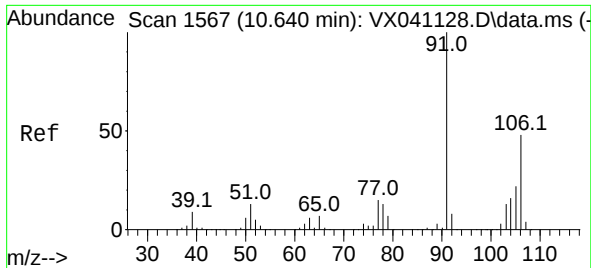
Tgt Ion:106 Resp: 158403

Ion Ratio Lower Upper

106 100

91 192.2 137.2 254.8

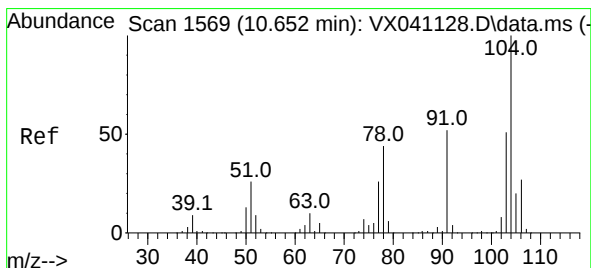
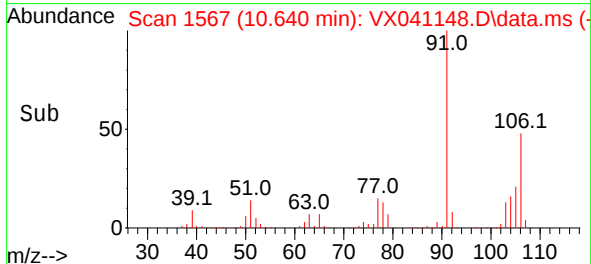
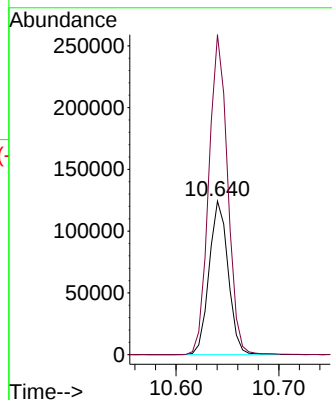
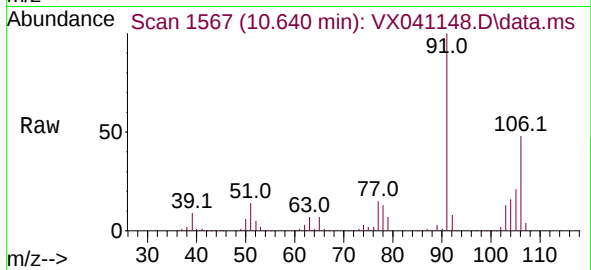




#54  
o-Xylene  
Concen: 49.886 ug/L  
RT: 10.640 min Scan# 1567  
Delta R.T. 0.000 min  
Lab File: VX041148.D  
Acq: 18 Apr 2024 00:09

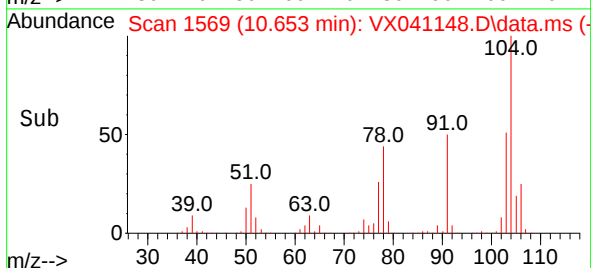
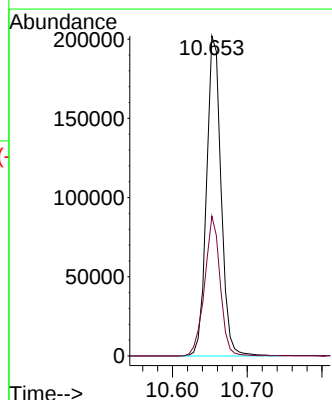
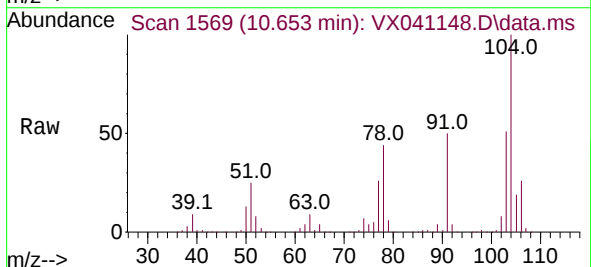
Instrument :  
MSVOA\_X  
ClientSampleId :

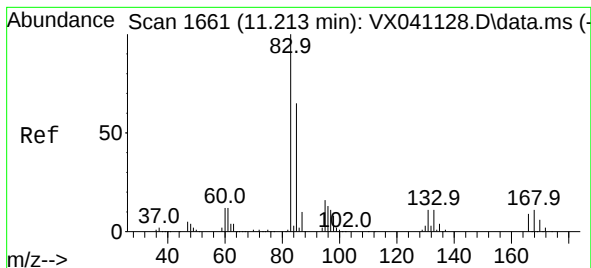
Tgt Ion:106 Resp: 159897  
Ion Ratio Lower Upper  
106 100  
91 208.4 145.4 270.0



#55  
Styrene  
Concen: 51.142 ug/L  
RT: 10.653 min Scan# 1569  
Delta R.T. 0.000 min  
Lab File: VX041148.D  
Acq: 18 Apr 2024 00:09

Tgt Ion:104 Resp: 272784  
Ion Ratio Lower Upper  
104 100  
78 43.7 30.4 56.5





#57

1,1,2,2-Tetrachloroethane

Concen: 54.347 ug/L

RT: 11.213 min Scan# 1661

Delta R.T. 0.000 min

Lab File: VX041148.D

Acq: 18 Apr 2024 00:09

Instrument :

MSVOA\_X

ClientSampleId :

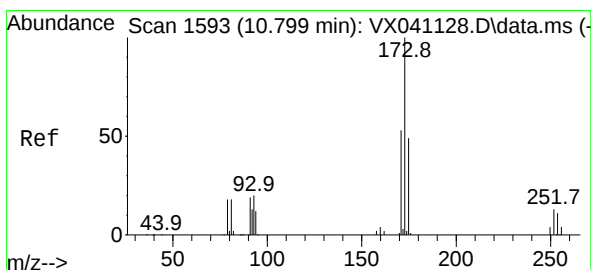
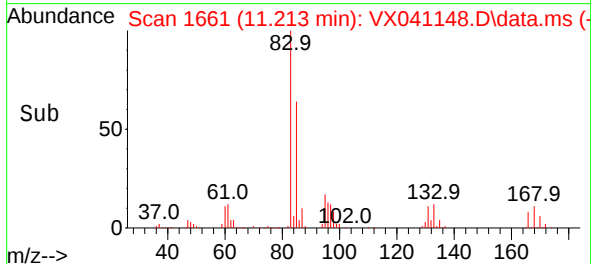
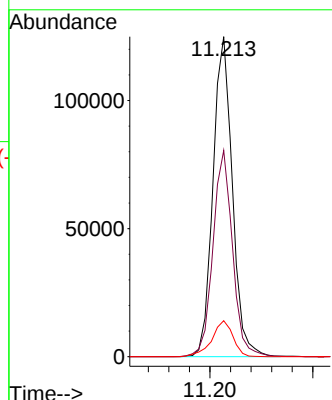
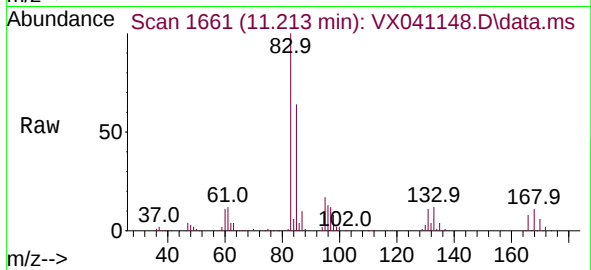
Tgt Ion: 83 Resp: 163172

Ion Ratio Lower Upper

83 100

85 64.4 45.0 83.6

131 11.2 9.0 13.4



#59

Bromoform

Concen: 56.513 ug/L

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX041148.D

Acq: 18 Apr 2024 00:09

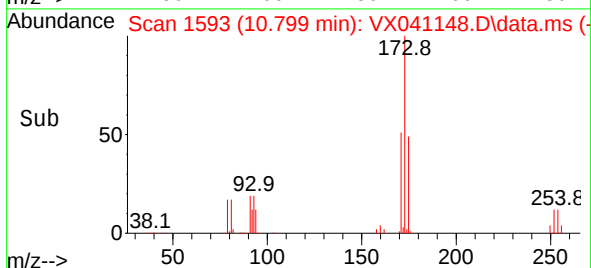
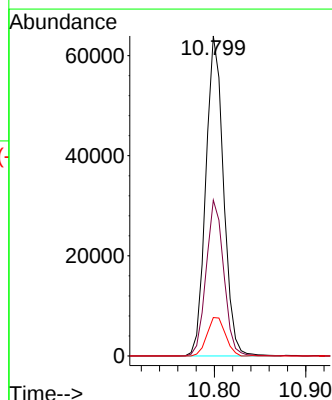
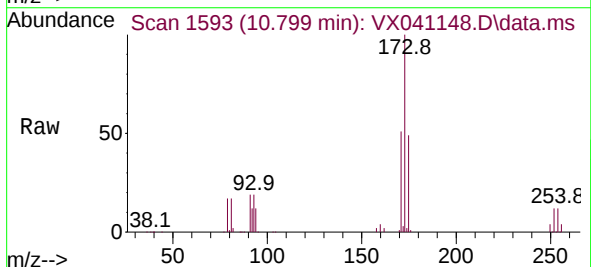
Tgt Ion:173 Resp: 85817

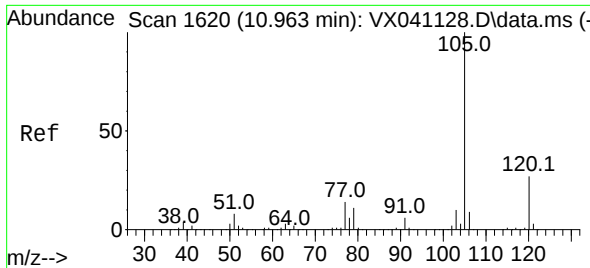
Ion Ratio Lower Upper

173 100

175 48.4 39.4 59.2

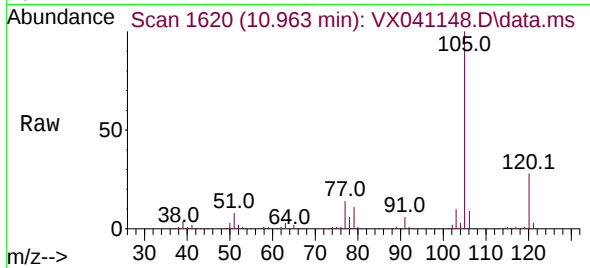
254 12.5 10.5 15.7



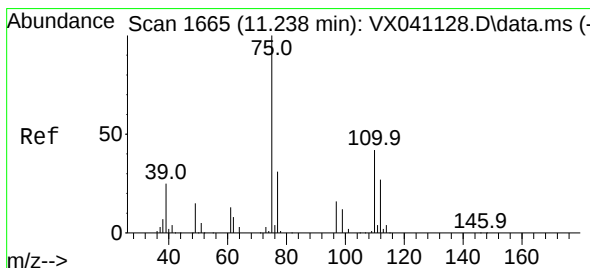
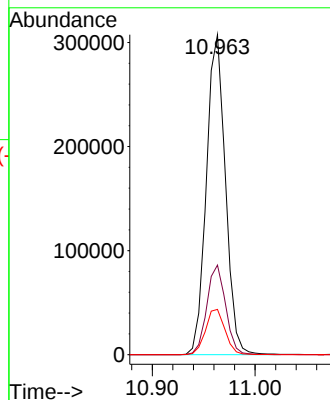
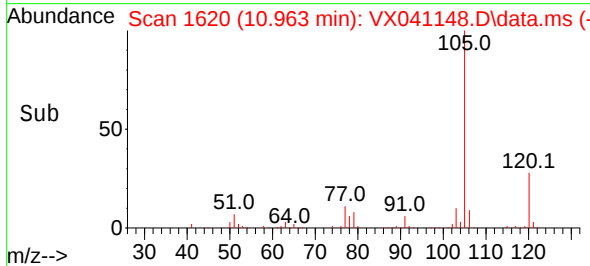


#60  
Isopropylbenzene  
Concen: 49.942 ug/L  
RT: 10.963 min Scan# 1620  
Delta R.T. 0.000 min  
Lab File: VX041148.D  
Acq: 18 Apr 2024 00:09

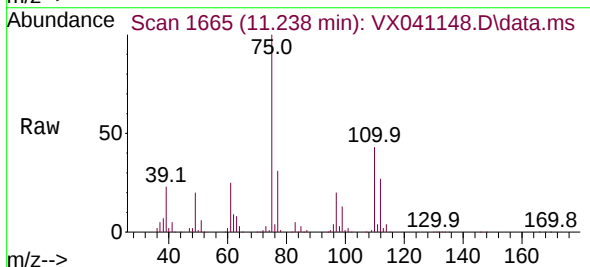
Instrument :  
MSVOA\_X  
ClientSampleId :



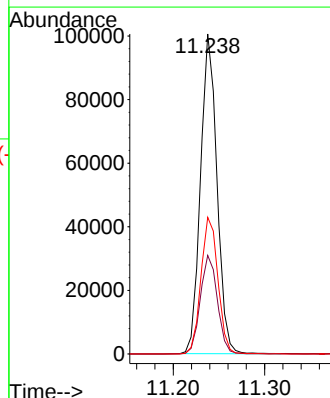
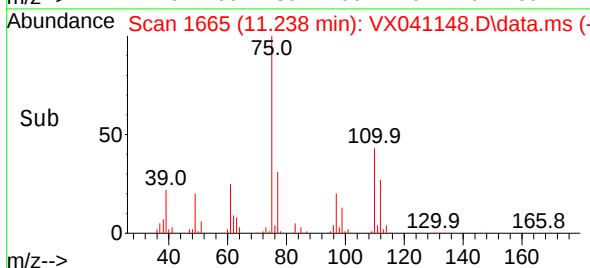
Tgt Ion:105 Resp: 396060  
Ion Ratio Lower Upper  
105 100  
120 27.7 21.8 32.8  
77 14.6 11.7 17.5

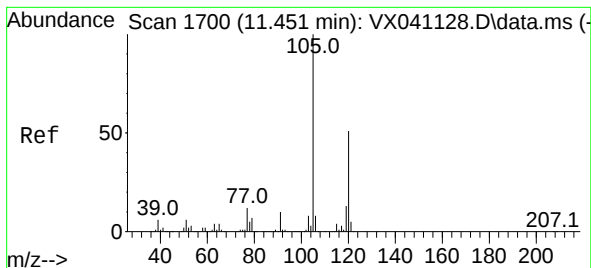


#61  
1,2,3-Trichloropropane  
Concen: 56.508 ug/L  
RT: 11.238 min Scan# 1665  
Delta R.T. 0.000 min  
Lab File: VX041148.D  
Acq: 18 Apr 2024 00:09



Tgt Ion: 75 Resp: 125257  
Ion Ratio Lower Upper  
75 100  
77 31.8 25.5 38.3  
110 44.1 35.0 52.6





#62

1,3,5-Trimethylbenzene

Concen: 50.009 ug/L

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX041148.D

Acq: 18 Apr 2024 00:09

Instrument :

MSVOA\_X

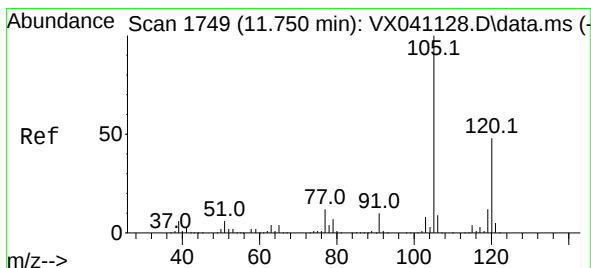
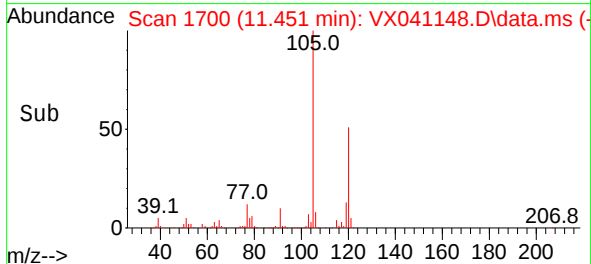
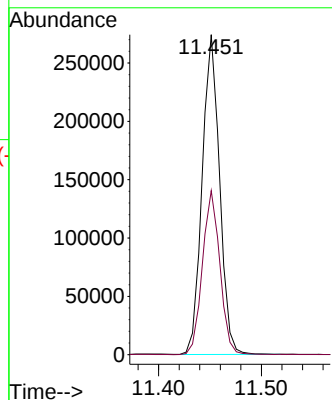
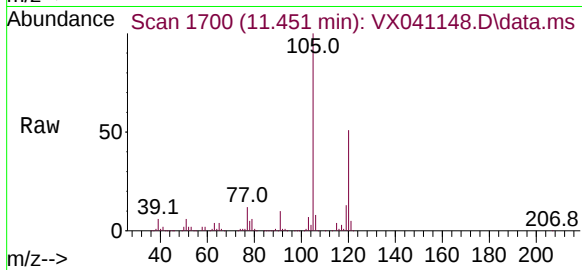
ClientSampleId :

Tgt Ion:105 Resp: 323828

Ion Ratio Lower Upper

105 100

120 51.2 41.2 61.8



#63

1,2,4-Trimethylbenzene

Concen: 51.303 ug/L

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX041148.D

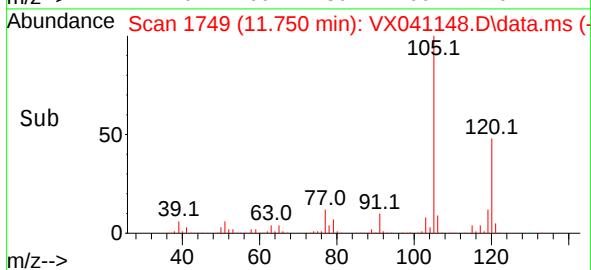
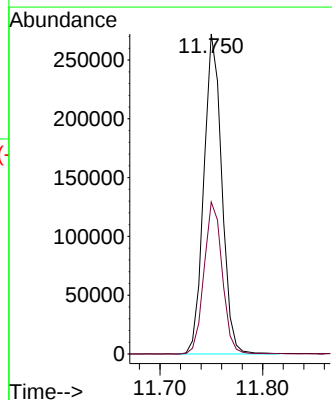
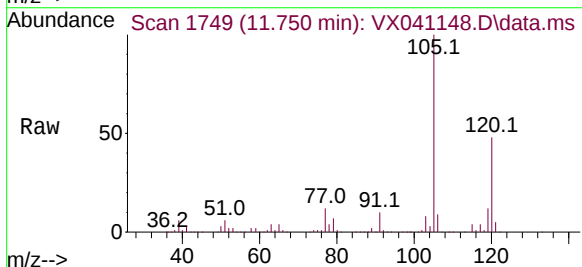
Acq: 18 Apr 2024 00:09

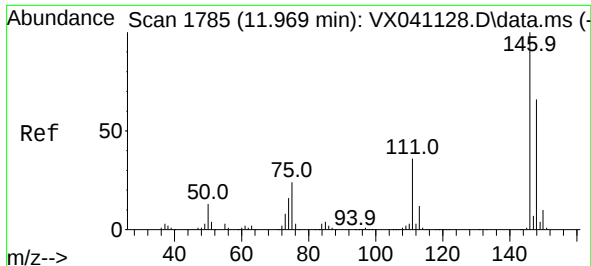
Tgt Ion:105 Resp: 330424

Ion Ratio Lower Upper

105 100

120 48.0 38.2 57.2





#64

1,3-Dichlorobenzene

Concen: 51.097 ug/L

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX041148.D

Acq: 18 Apr 2024 00:09

Instrument :

MSVOA\_X

ClientSampleId :

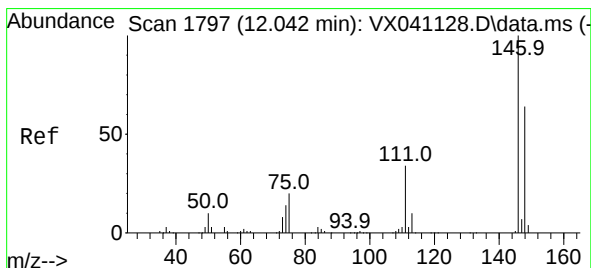
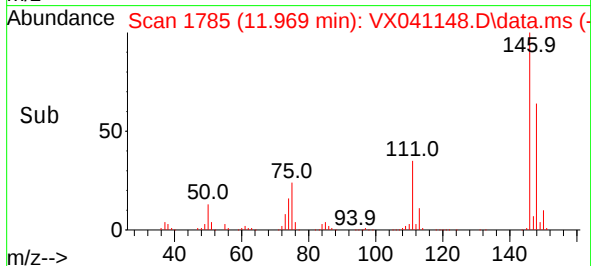
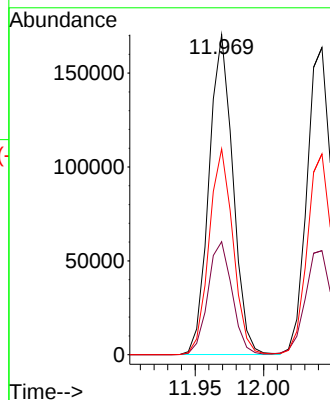
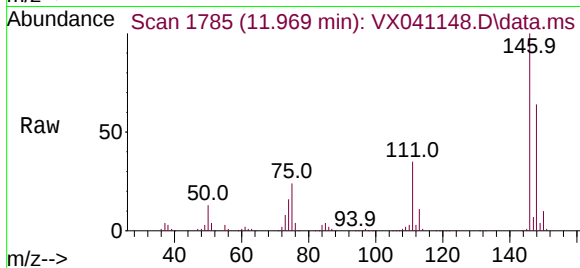
Tgt Ion:146 Resp: 206760

Ion Ratio Lower Upper

146 100

111 35.3 25.6 47.4

148 64.3 45.2 84.0



#65

1,4-Dichlorobenzene

Concen: 50.281 ug/L

RT: 12.043 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VX041148.D

Acq: 18 Apr 2024 00:09

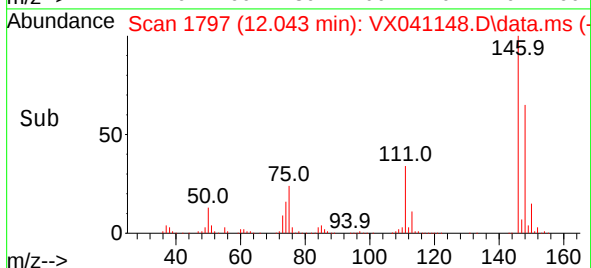
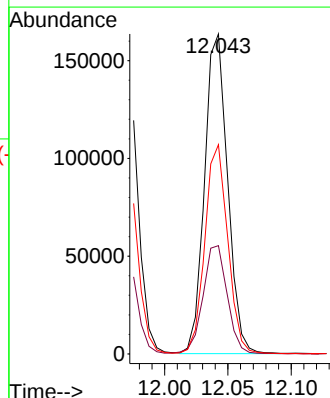
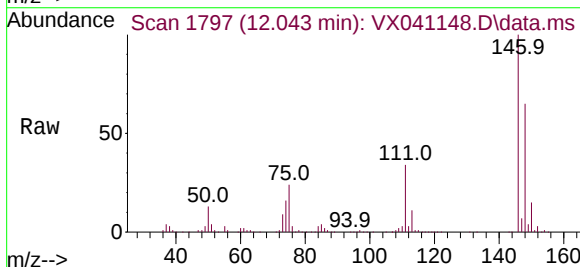
Tgt Ion:146 Resp: 207549

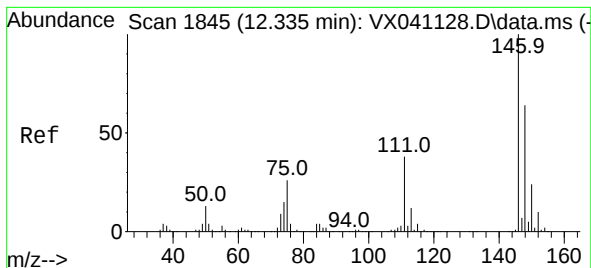
Ion Ratio Lower Upper

146 100

111 33.9 23.9 44.5

148 65.4 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 53.071 ug/L

RT: 12.335 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX041148.D

Acq: 18 Apr 2024 00:09

Instrument :

MSVOA\_X

ClientSampleId :

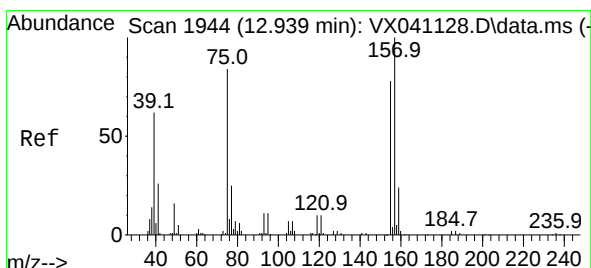
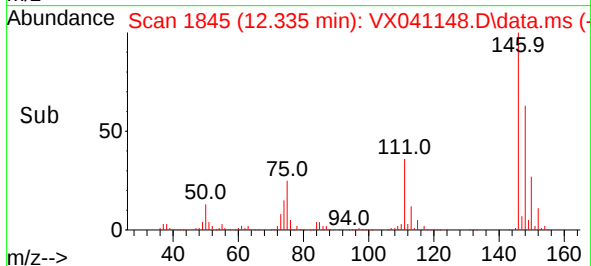
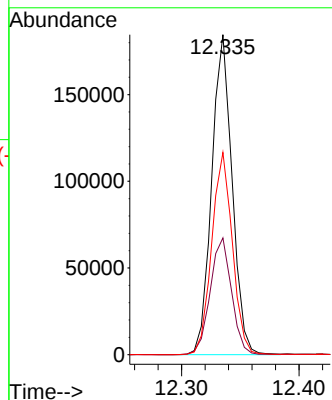
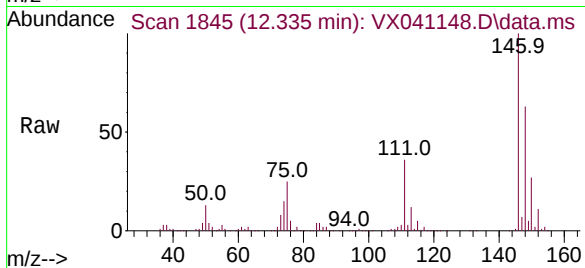
Tgt Ion:146 Resp: 222702

Ion Ratio Lower Upper

146 100

111 36.5 30.0 45.0

148 63.2 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 57.800 ug/L

RT: 12.945 min Scan# 1945

Delta R.T. 0.006 min

Lab File: VX041148.D

Acq: 18 Apr 2024 00:09

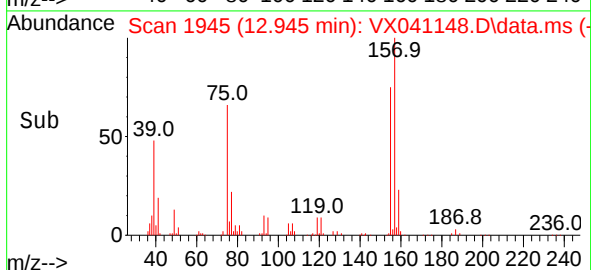
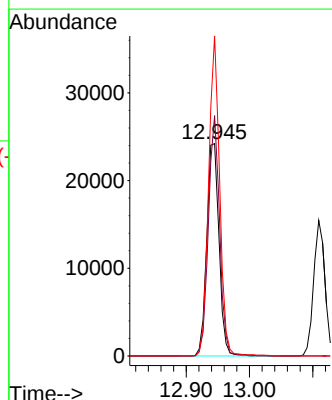
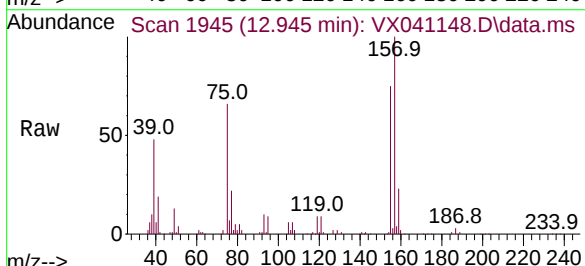
Tgt Ion: 75 Resp: 32695

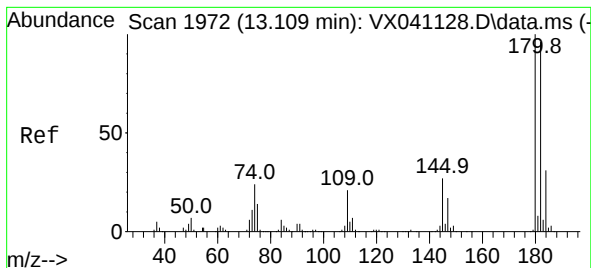
Ion Ratio Lower Upper

75 100

155 113.2 89.0 133.6

157 150.7 115.1 172.7





#69

1,3,5-Trichlorobenzene

Concen: 48.361 ug/L

RT: 13.109 min Scan# 1772

Delta R.T. 0.000 min

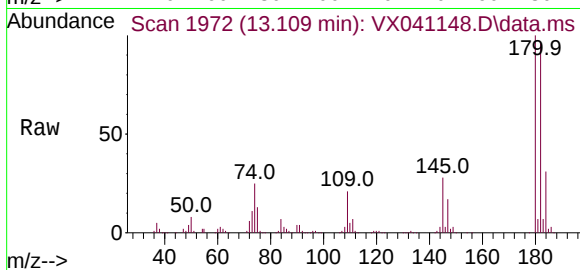
Lab File: VX041148.D

Acq: 18 Apr 2024 00:09

Instrument :

MSVOA\_X

ClientSampleId :



Tgt Ion:180 Resp: 152390

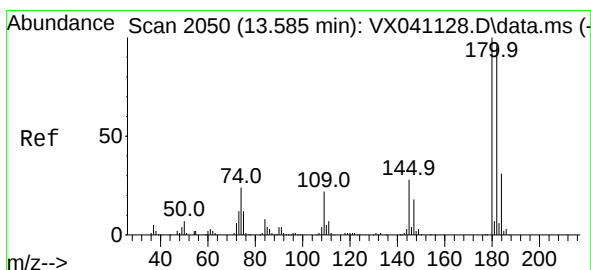
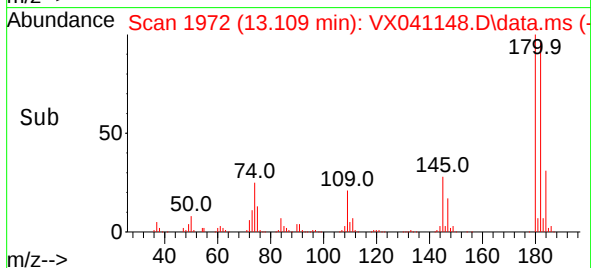
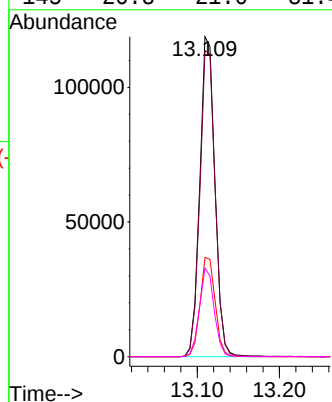
Ion Ratio Lower Upper

180 100

182 96.1 76.8 115.2

184 30.8 24.3 36.5

145 26.8 21.0 31.4



#70

1,2,4-trichlorobenzene

Concen: 49.460 ug/L

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX041148.D

Acq: 18 Apr 2024 00:09

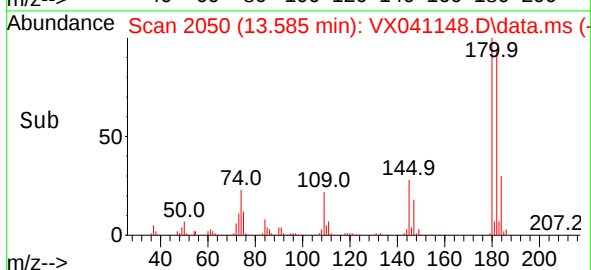
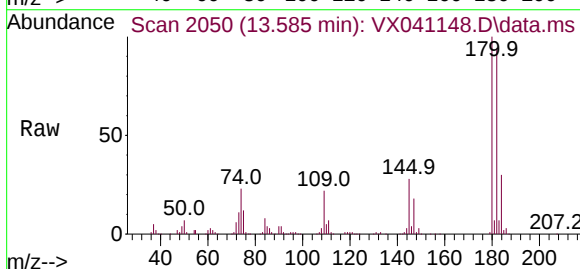
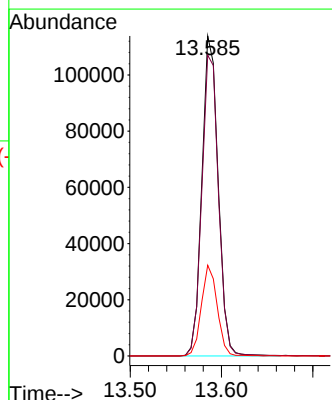
Tgt Ion:180 Resp: 140545

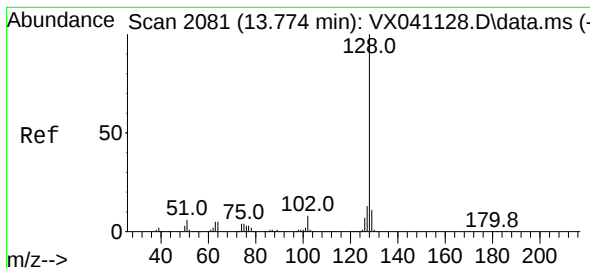
Ion Ratio Lower Upper

180 100

182 96.4 76.2 114.4

145 27.6 21.8 32.6





#71

Naphthalene

Concen: 55.698 ug/L

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX041148.D

Acq: 18 Apr 2024 00:09

Instrument :

MSVOA\_X

ClientSampleId :

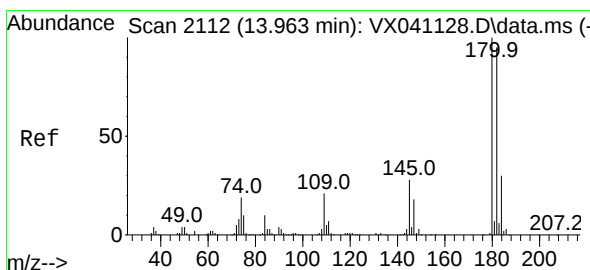
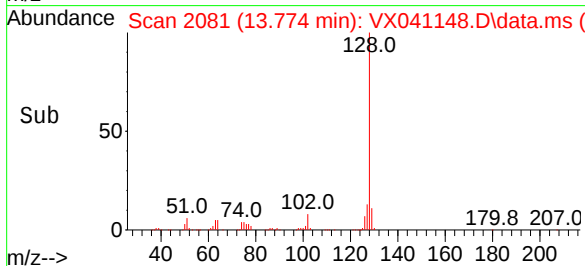
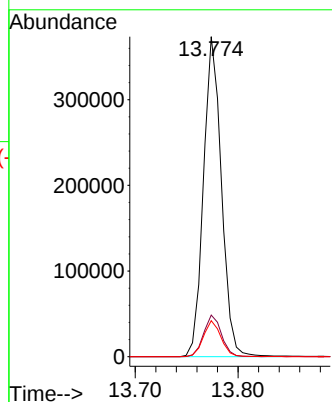
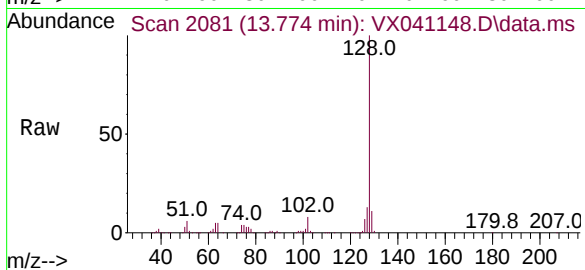
Tgt Ion:128 Resp: 454272

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 11.1 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 51.920 ug/L

RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX041148.D

Acq: 18 Apr 2024 00:09

Tgt Ion:180 Resp: 154023

Ion Ratio Lower Upper

180 100

182 96.2 76.5 114.7

145 29.8 23.1 34.7

