

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102224\  
 Data File : VX043474.D  
 Acq On : 22 Oct 2024 09:39  
 Operator : JC/MD  
 Sample : VSTD050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Oct 23 01:44:34 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML102224WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Oct 23 01:43:03 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Difluorobenzene        | 6.763  | 114  | 132724   | 50.000  | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 10.055 | 117  | 117103   | 50.000  | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024 | 152  | 54458    | 50.000  | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 4) Vinyl Chloride-d3          | 1.374  | 65   | 36598    | 49.126  | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 1.654  | 69   | 16973    | 47.049  | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.301  | 65   | 17413    | 50.096  | ug/L  | 0.00     |
| 21) 2-Butanone-d5             | 4.477  | 46   | 46963    | 98.118  | ug/L  | 0.00     |
| 24) Chloroform-d              | 5.056  | 84   | 92657    | 50.264  | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.958  | 65   | 58781    | 50.142  | ug/L  | 0.00     |
| 32) Benzene-d6                | 5.971  | 84   | 168135   | 51.539  | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 7.306  | 67   | 52083    | 51.781  | ug/L  | 0.00     |
| 41) Toluene-d8                | 8.647  | 98   | 154050   | 51.913  | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 8.952  | 79   | 21940    | 50.315  | ug/L  | 0.00     |
| 47) 2-Hexanone-d5             | 9.391  | 63   | 32638    | 104.220 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 11.195 | 84   | 57991    | 51.726  | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 12.323 | 152  | 53569    | 51.099  | ug/L  | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.173  | 85   | 54702    | 53.100  | ug/L  | 100      |
| 3) Chloromethane              | 1.295  | 50   | 52715    | 51.066  | ug/L  | 100      |
| 5) Vinyl chloride             | 1.380  | 62   | 49335    | 51.554  | ug/L  | 100      |
| 6) Bromomethane               | 1.599  | 94   | 19264    | 48.249  | ug/L  | 100      |
| 8) Chloroethane               | 1.673  | 64   | 16031    | 43.517  | ug/L  | 100      |
| 9) Trichlorofluoromethane     | 1.868  | 101  | 67081    | 51.638  | ug/L  | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.319  | 101  | 39056    | 51.230  | ug/L  | 100      |
| 12) 1,1-Dichloroethene        | 2.313  | 96   | 35764    | 50.789  | ug/L  | 100      |
| 13) Acetone                   | 2.398  | 43   | 44047    | 93.062  | ug/L  | 100      |
| 14) Carbon disulfide          | 2.508  | 76   | 77502    | 49.325  | ug/L  | 100      |
| 15) Methyl Acetate            | 2.715  | 43   | 40212    | 48.620  | ug/L  | 100      |
| 16) Methylene chloride        | 2.788  | 84   | 43723    | 49.949  | ug/L  | 100      |
| 17) trans-1,2-Dichloroethene  | 3.087  | 96   | 39891    | 51.087  | ug/L  | 100      |
| 18) Methyl tert-butyl Ether   | 3.124  | 73   | 137495   | 50.874  | ug/L  | 100      |
| 19) 1,1-Dichloroethane        | 3.605  | 63   | 81821    | 51.336  | ug/L  | 100      |
| 20) cis-1,2-Dichloroethene    | 4.483  | 96   | 49065    | 51.112  | ug/L  | 100      |
| 22) 2-Butanone                | 4.574  | 43   | 56539    | 98.861  | ug/L  | 100      |
| 23) Bromochloromethane        | 4.898  | 128  | 23488    | 51.895  | ug/L  | 100      |
| 25) Chloroform                | 5.093  | 83   | 90775    | 51.665  | ug/L  | 100      |
| 27) 1,2-Dichloroethane        | 6.086  | 62   | 67641    | 50.040  | ug/L  | 100      |
| 29) Cyclohexane               | 5.465  | 56   | 66077    | 52.214  | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane     | 5.379  | 97   | 73726    | 52.501  | ug/L  | 100      |
| 31) Carbon tetrachloride      | 5.678  | 117  | 58155    | 52.136  | ug/L  | 100      |
| 33) Benzene                   | 6.038  | 78   | 178460   | 53.394  | ug/L  | 100      |
| 34) Trichloroethene           | 7.123  | 95   | 46646    | 52.516  | ug/L  | 100      |
| 35) Methylcyclohexane         | 7.379  | 83   | 64646    | 53.051  | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 7.434  | 63   | 46436    | 53.442  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.824  | 83   | 57624    | 51.807  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 8.367  | 75   | 71986    | 54.124  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 8.580  | 43   | 107218   | 106.595 | ug/L  | 100      |
| 42) Toluene                   | 8.720  | 91   | 181758   | 52.676  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 8.982  | 75   | 61670    | 53.907  | ug/L  | 100      |

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 Sample : VSTD050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Oct 23 01:44:34 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML102224WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Oct 23 01:43:03 2024  
 Response via : Initial Calibration

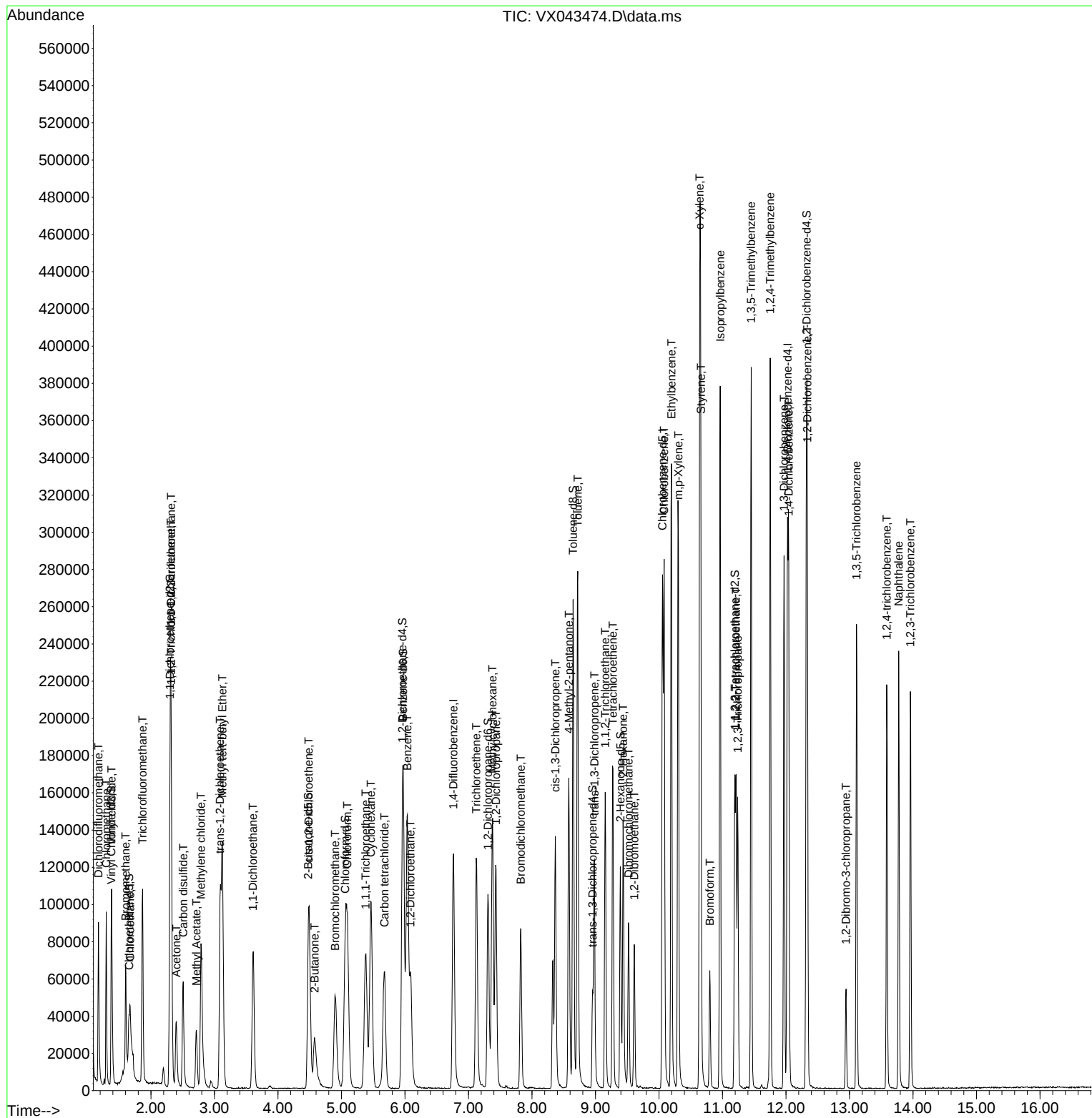
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 45) 1,1,2-Trichloroethane     | 9.153  | 97   | 41969    | 53.187 | ug/L  | 100      |
| 46) Tetrachloroethene         | 9.275  | 164  | 32855    | 54.694 | ug/L  | 100      |
| 48) 2-Hexanone                | 9.433  | 43   | 77092    | 98.243 | ug/L  | 100      |
| 49) Dibromochloromethane      | 9.519  | 129  | 37380    | 50.755 | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 9.610  | 107  | 42904    | 52.756 | ug/L  | 100      |
| 51) Chlorobenzene             | 10.080 | 112  | 120400   | 52.924 | ug/L  | 100      |
| 52) Ethylbenzene              | 10.195 | 91   | 200133   | 53.379 | ug/L  | 100      |
| 53) m,p-Xylene                | 10.305 | 106  | 75626    | 53.827 | ug/L  | 100      |
| 54) o-Xylene                  | 10.640 | 106  | 78085    | 54.277 | ug/L  | 100      |
| 55) Styrene                   | 10.659 | 104  | 126595   | 52.979 | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 11.214 | 83   | 58773    | 52.393 | ug/L  | 100      |
| 59) Bromoform                 | 10.799 | 173  | 21952    | 50.848 | ug/L  | 100      |
| 60) Isopropylbenzene          | 10.964 | 105  | 190875   | 53.159 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 11.238 | 75   | 48033    | 52.586 | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 165331   | 53.875 | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 165917   | 53.186 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.970 | 146  | 87256    | 53.257 | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 12.043 | 146  | 87723    | 52.197 | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 12.335 | 146  | 86413    | 52.922 | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.945 | 75   | 10326    | 49.448 | ug/L  | 100      |
| 69) 1,3,5-Trichlorobenzene    | 13.110 | 180  | 57471    | 53.967 | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.585 | 180  | 47414    | 53.235 | ug/L  | 100      |
| 71) Naphthalene               | 13.774 | 128  | 138788   | 52.975 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 47631    | 53.187 | ug/L  | 100      |

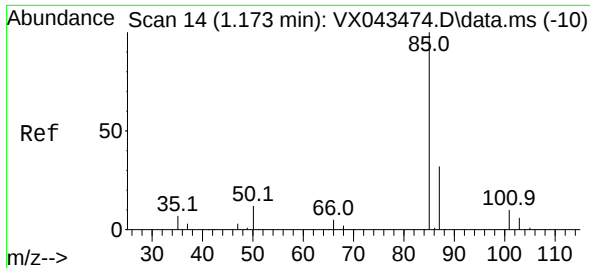
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM102224WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Oct 23 01:43:03 2024  
Response via : Initial Calibration

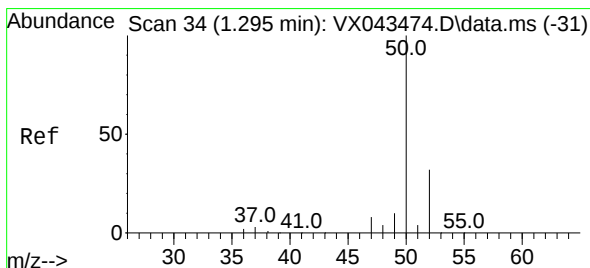
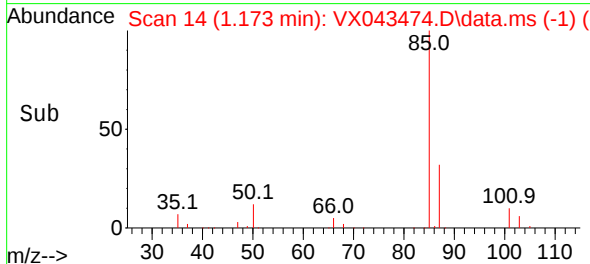
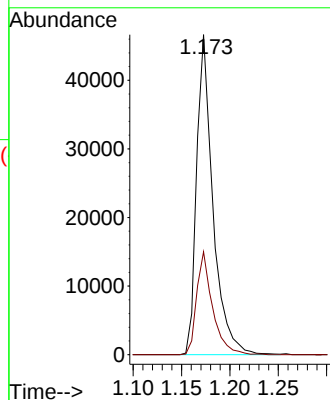
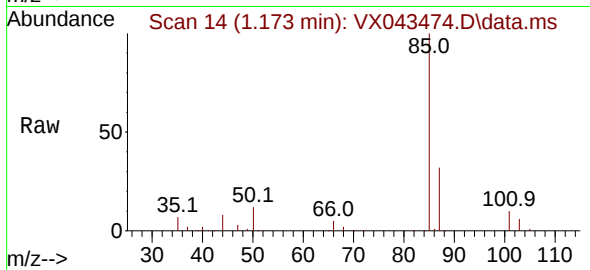




#2  
Dichlorodifluoromethane  
Concen: 53.100 ug/L  
RT: 1.173 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VX043474.D  
Acq: 22 Oct 2024 09:39

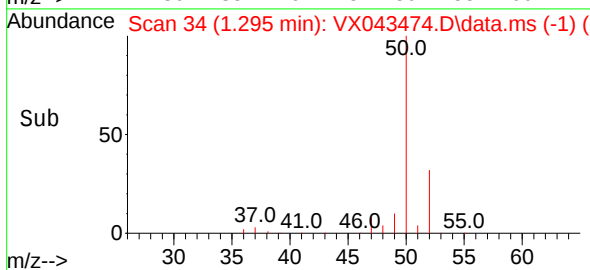
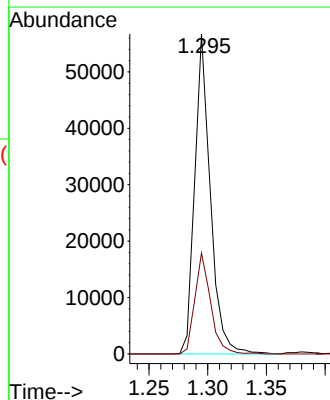
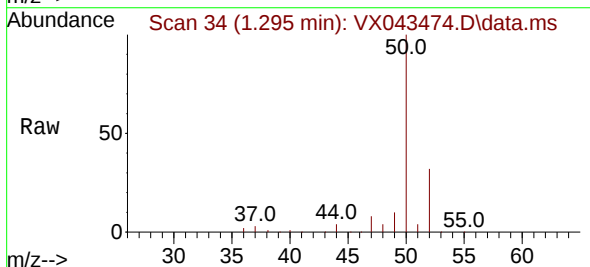
Instrument :  
MSVOA\_X  
ClientSampleId :

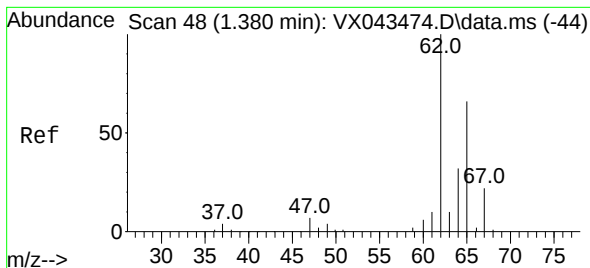
Tgt Ion: 85 Resp: 54702  
Ion Ratio Lower Upper  
85 100  
87 31.3 25.0 37.6



#3  
Chloromethane  
Concen: 51.066 ug/L  
RT: 1.295 min Scan# 34  
Delta R.T. 0.000 min  
Lab File: VX043474.D  
Acq: 22 Oct 2024 09:39

Tgt Ion: 50 Resp: 52715  
Ion Ratio Lower Upper  
50 100  
52 31.5 22.0 41.0





#5

Vinyl chloride

Concen: 51.554 ug/L

RT: 1.380 min Scan# 48

Delta R.T. 0.000 min

Lab File: VX043474.D

Acq: 22 Oct 2024 09:39

Instrument :

MSVOA\_X

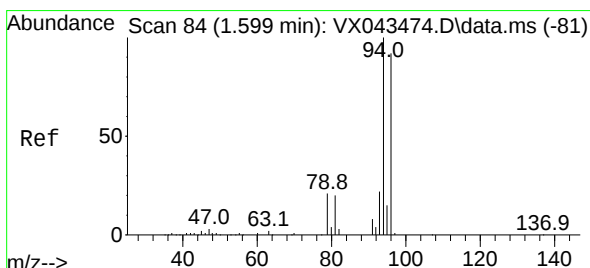
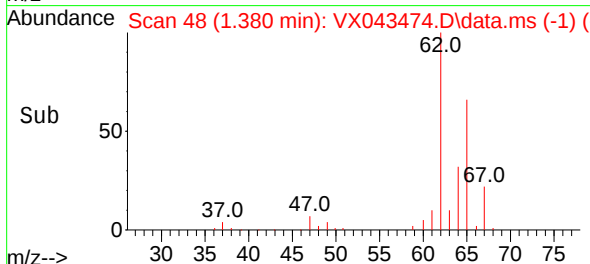
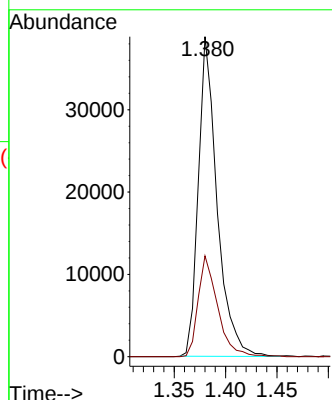
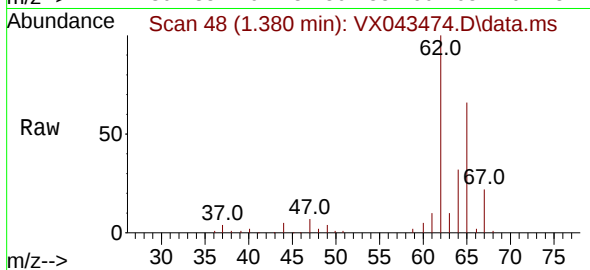
ClientSampleId :

Tgt Ion: 62 Resp: 49335

Ion Ratio Lower Upper

62 100

64 31.5 22.0 41.0



#6

Bromomethane

Concen: 48.249 ug/L

RT: 1.599 min Scan# 84

Delta R.T. 0.000 min

Lab File: VX043474.D

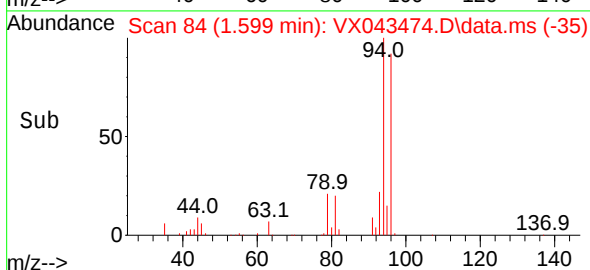
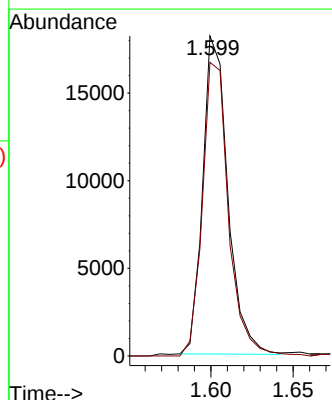
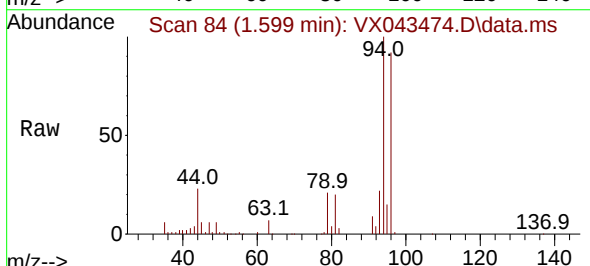
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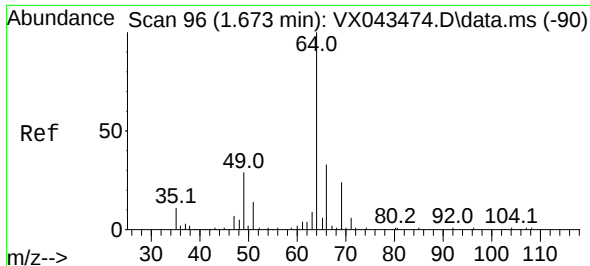
Tgt Ion: 94 Resp: 19264

Ion Ratio Lower Upper

94 100

96 91.8 64.3 119.3

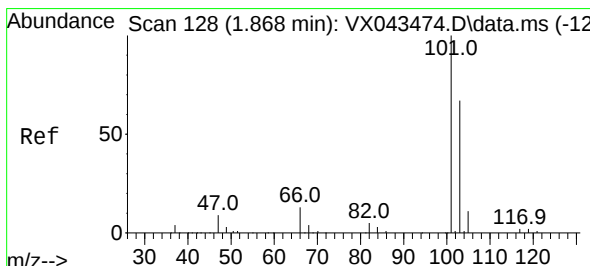
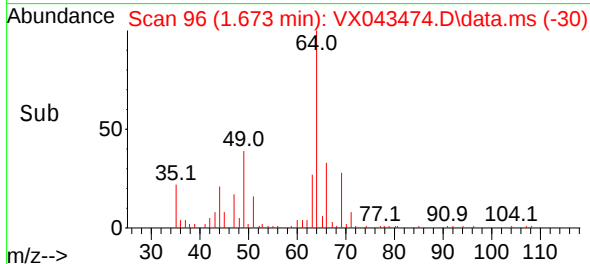
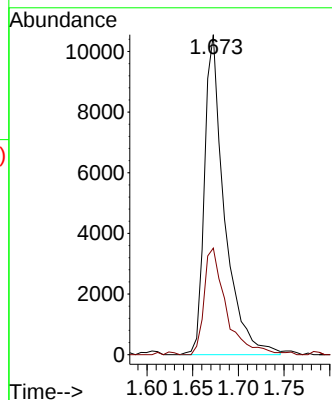
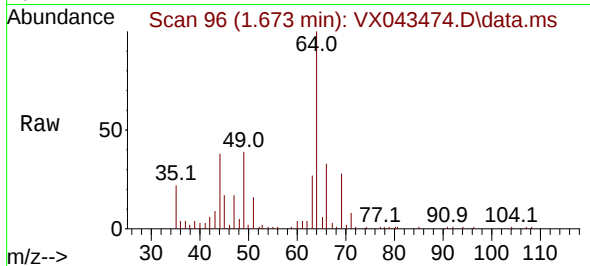




#8  
Chloroethane  
Concen: 43.517 ug/L  
RT: 1.673 min Scan# 96  
Delta R.T. 0.000 min  
Lab File: VX043474.D  
Acq: 22 Oct 2024 09:39

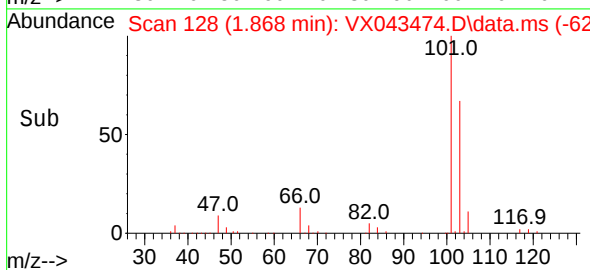
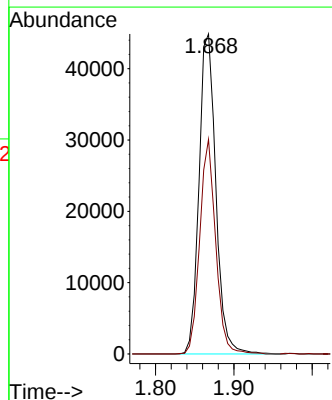
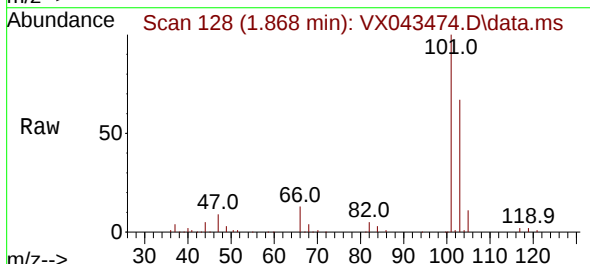
Instrument :  
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ClientSampleId :

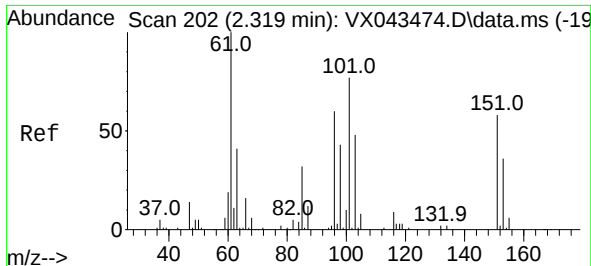
Tgt Ion: 64 Resp: 16031  
Ion Ratio Lower Upper  
64 100  
66 33.3 23.3 43.3



#9  
Trichlorofluoromethane  
Concen: 51.638 ug/L  
RT: 1.868 min Scan# 128  
Delta R.T. 0.000 min  
Lab File: VX043474.D  
Acq: 22 Oct 2024 09:39

Tgt Ion:101 Resp: 67081  
Ion Ratio Lower Upper  
101 100  
103 63.4 50.7 76.1

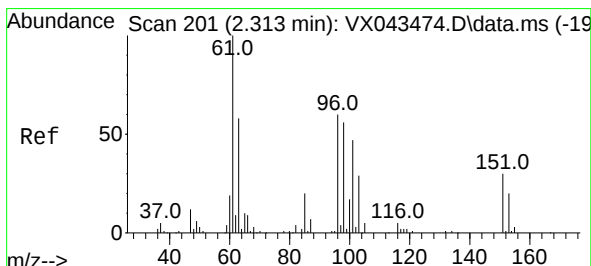
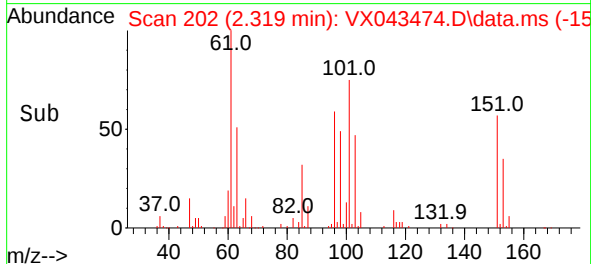
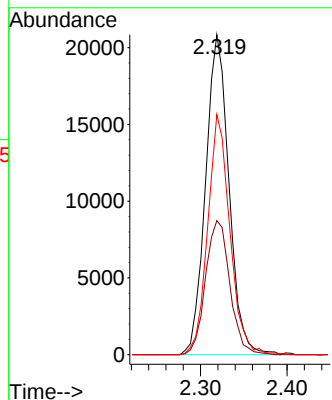
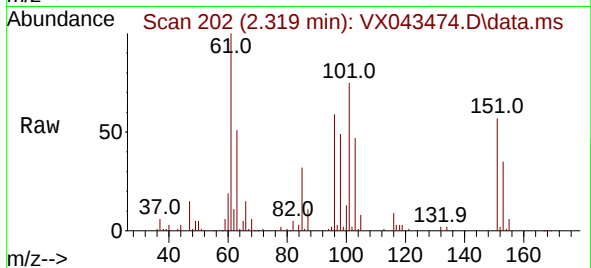




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 51.230 ug/L  
RT: 2.319 min Scan# 202  
Delta R.T. 0.000 min  
Lab File: VX043474.D  
Acq: 22 Oct 2024 09:39

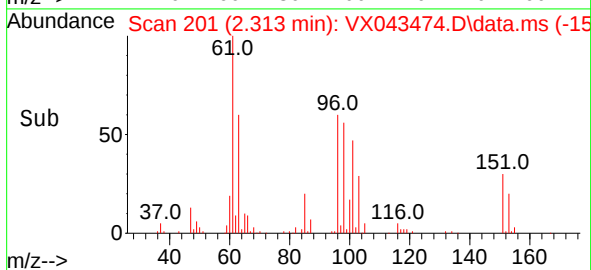
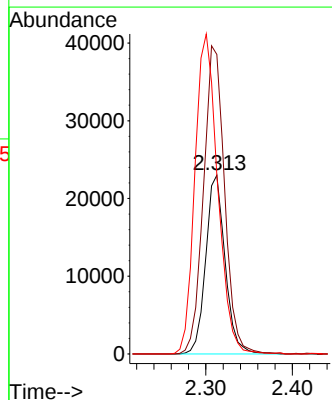
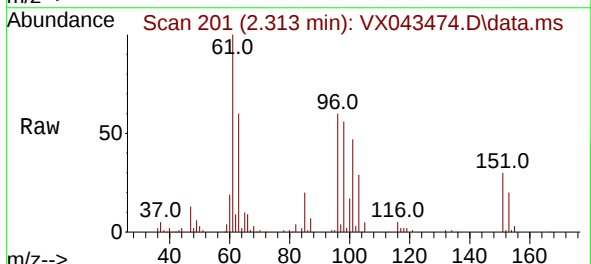
Instrument :  
MSVOA\_X  
ClientSampleId :

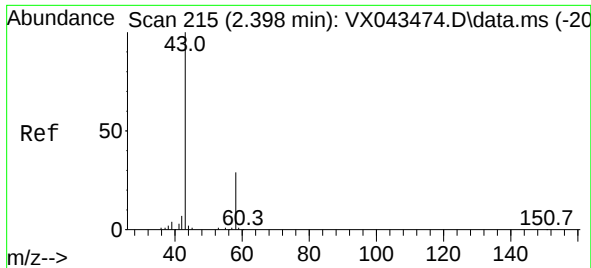
Tgt Ion:101 Resp: 39056  
Ion Ratio Lower Upper  
101 100  
85 43.6 34.9 52.3  
151 71.3 57.0 85.6



#12  
1,1-Dichloroethene  
Concen: 50.789 ug/L  
RT: 2.313 min Scan# 201  
Delta R.T. 0.000 min  
Lab File: VX043474.D  
Acq: 22 Oct 2024 09:39

Tgt Ion: 96 Resp: 35764  
Ion Ratio Lower Upper  
96 100  
61 167.7 117.4 218.0  
63 100.2 70.1 130.3





#13

Acetone

Concen: 93.062 ug/L

RT: 2.398 min Scan# 215

Delta R.T. 0.000 min

Lab File: VX043474.D

Acq: 22 Oct 2024 09:39

Instrument :

MSVOA\_X

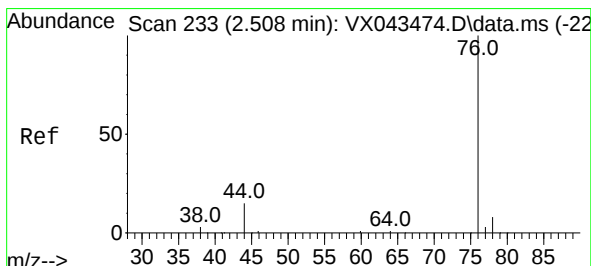
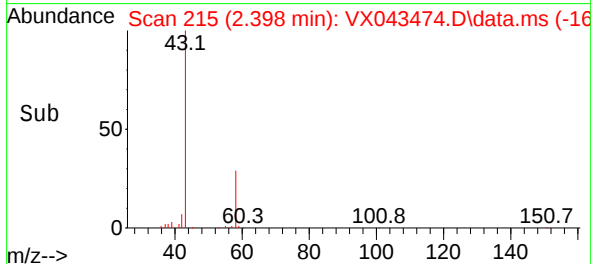
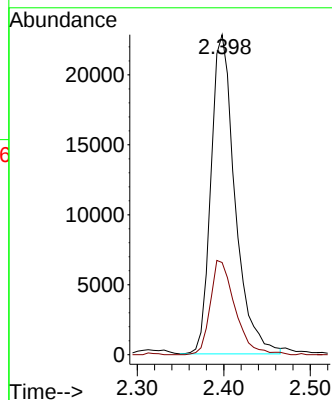
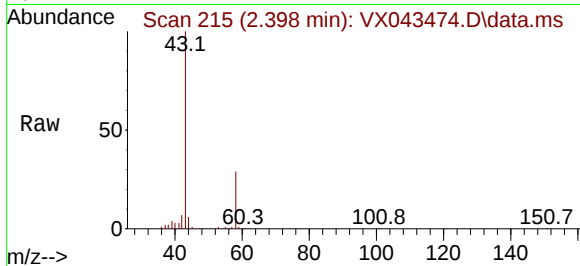
ClientSampleId :

Tgt Ion: 43 Resp: 44047

Ion Ratio Lower Upper

43 100

58 30.0 0.0 60.0



#14

Carbon disulfide

Concen: 49.325 ug/L

RT: 2.508 min Scan# 233

Delta R.T. 0.000 min

Lab File: VX043474.D

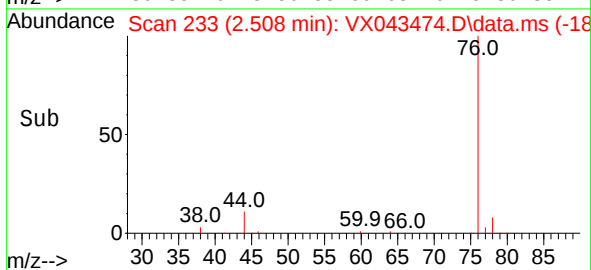
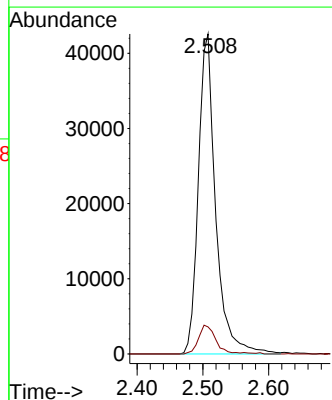
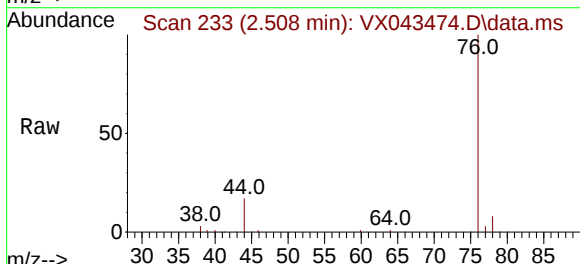
Acq: 22 Oct 2024 09:39

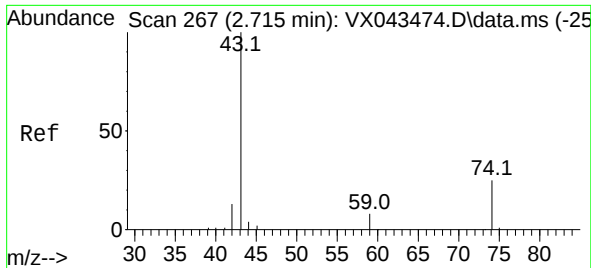
Tgt Ion: 76 Resp: 77502

Ion Ratio Lower Upper

76 100

78 8.5 6.8 10.2

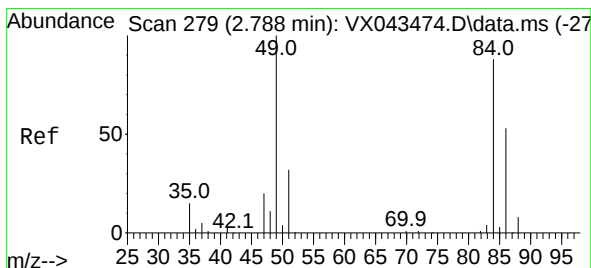
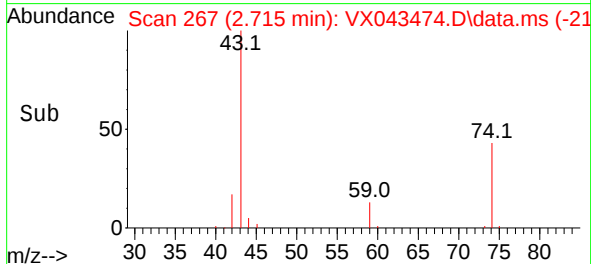
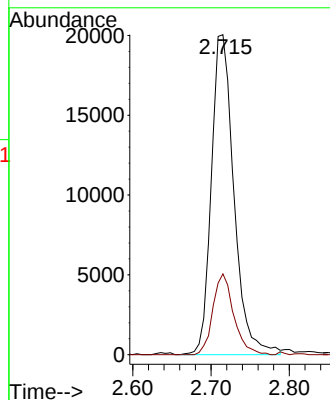
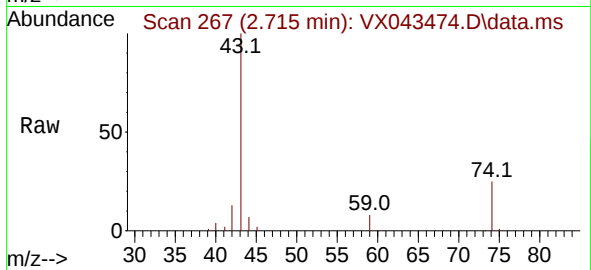




#15  
Methyl Acetate  
Concen: 48.620 ug/L  
RT: 2.715 min Scan# 267  
Delta R.T. 0.000 min  
Lab File: VX043474.D  
Acq: 22 Oct 2024 09:39

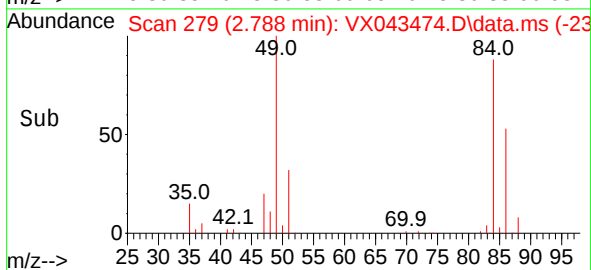
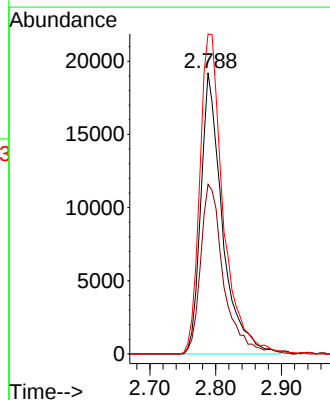
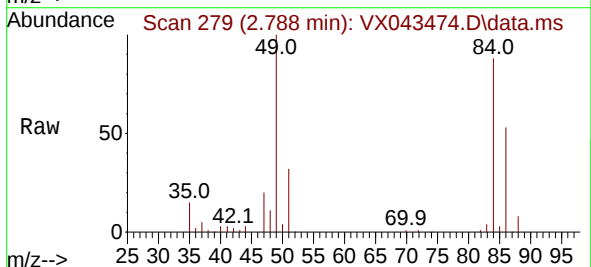
Instrument :  
MSVOA\_X  
ClientSampleId :

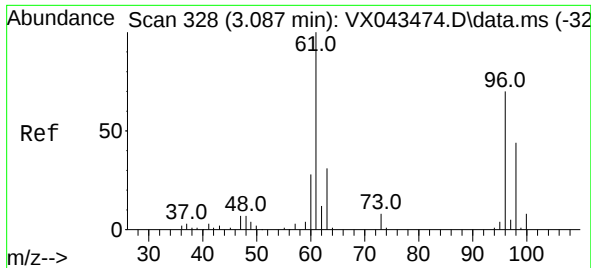
Tgt Ion: 43 Resp: 40212  
Ion Ratio Lower Upper  
43 100  
74 23.3 18.6 28.0



#16  
Methylene chloride  
Concen: 49.949 ug/L  
RT: 2.788 min Scan# 279  
Delta R.T. 0.000 min  
Lab File: VX043474.D  
Acq: 22 Oct 2024 09:39

Tgt Ion: 84 Resp: 43723  
Ion Ratio Lower Upper  
84 100  
86 60.3 42.2 78.4  
49 113.8 79.7 147.9

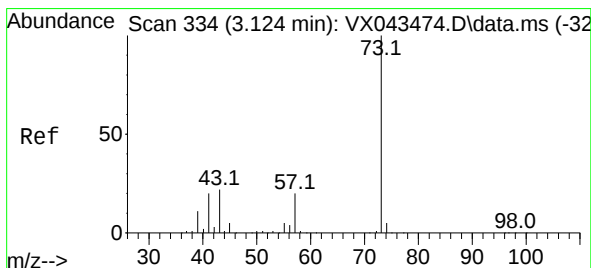
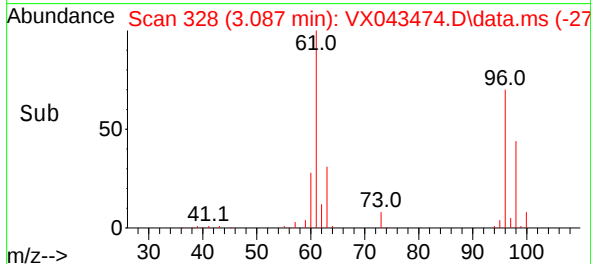
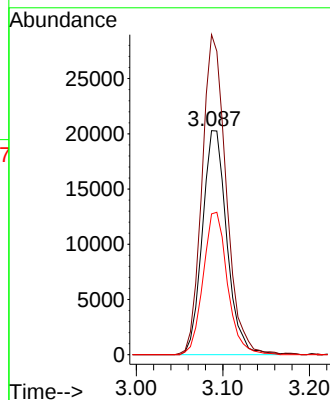
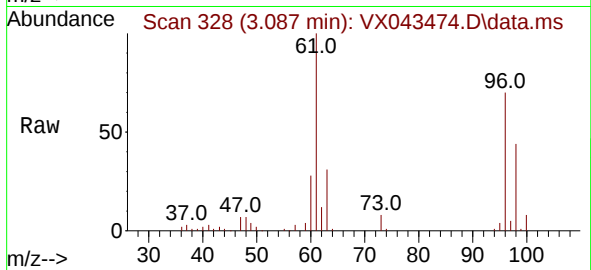




#17  
trans-1,2-Dichloroethene  
Concen: 51.087 ug/L  
RT: 3.087 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VX043474.D  
Acq: 22 Oct 2024 09:39

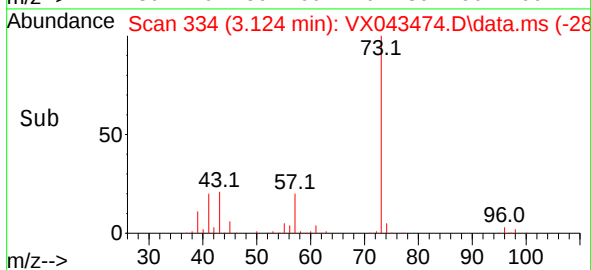
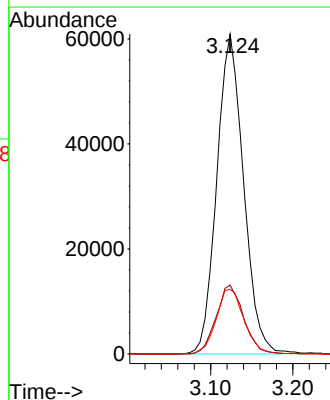
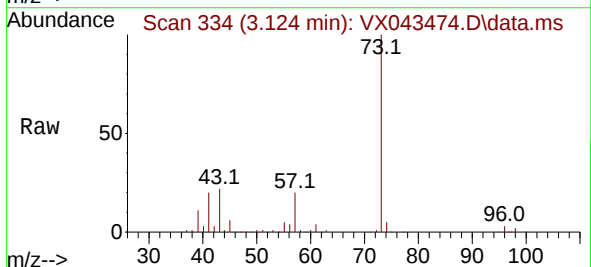
Instrument :  
MSVOA\_X  
ClientSampleId :

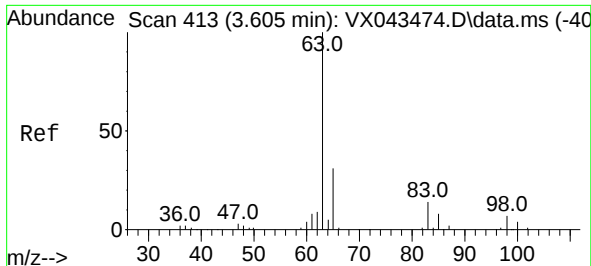
Tgt Ion: 96 Resp: 39891  
Ion Ratio Lower Upper  
96 100  
61 142.9 100.0 185.8  
98 62.9 44.0 81.8



#18  
Methyl tert-butyl Ether  
Concen: 50.874 ug/L  
RT: 3.124 min Scan# 334  
Delta R.T. 0.000 min  
Lab File: VX043474.D  
Acq: 22 Oct 2024 09:39

Tgt Ion: 73 Resp: 137495  
Ion Ratio Lower Upper  
73 100  
43 22.0 17.6 26.4  
57 21.2 17.0 25.4





#19

1,1-Dichloroethane

Concen: 51.336 ug/L

RT: 3.605 min Scan# 413

Delta R.T. 0.000 min

Lab File: VX043474.D

Acq: 22 Oct 2024 09:39

Instrument :

MSVOA\_X

ClientSampleId :

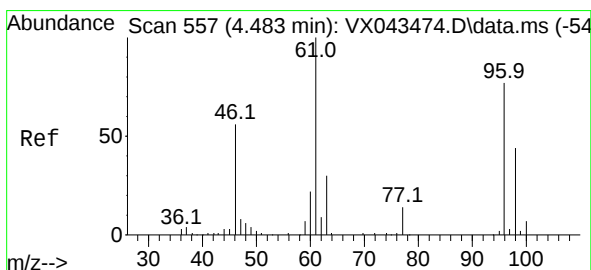
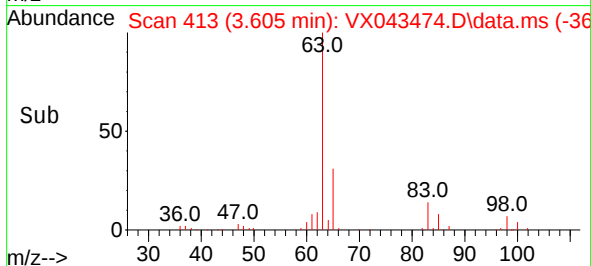
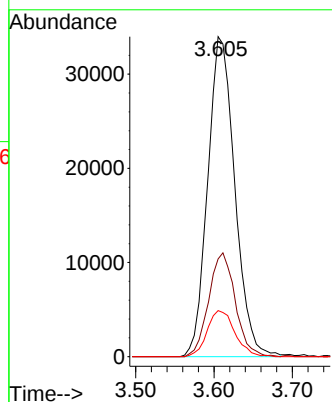
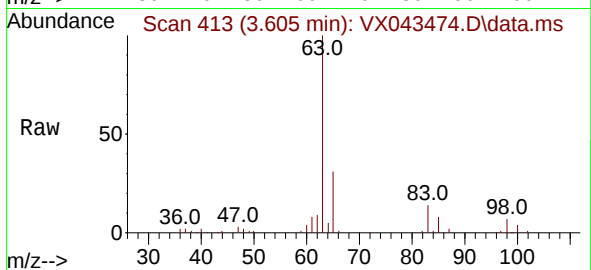
Tgt Ion: 63 Resp: 81821

Ion Ratio Lower Upper

63 100

65 30.5 21.3 39.6

83 14.4 10.1 18.7



#20

cis-1,2-Dichloroethene

Concen: 51.112 ug/L

RT: 4.483 min Scan# 557

Delta R.T. 0.000 min

Lab File: VX043474.D

Acq: 22 Oct 2024 09:39

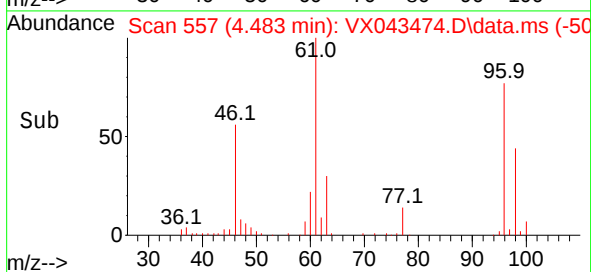
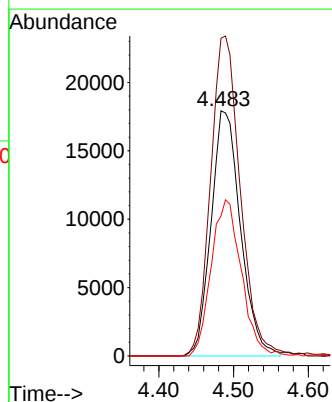
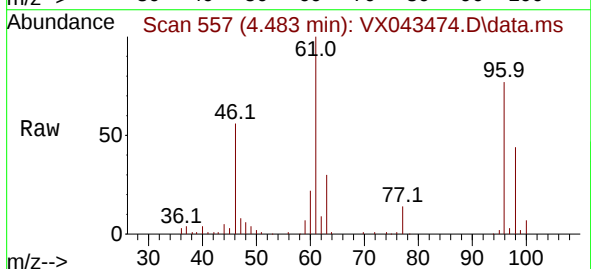
Tgt Ion: 96 Resp: 49065

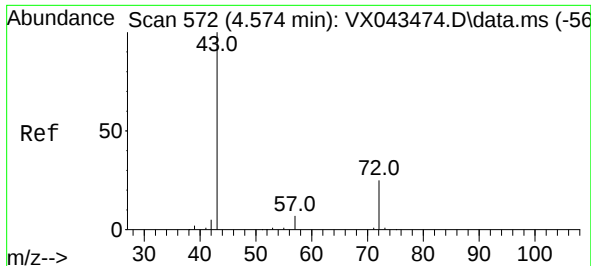
Ion Ratio Lower Upper

96 100

61 129.6 90.7 168.5

98 57.1 40.0 74.2

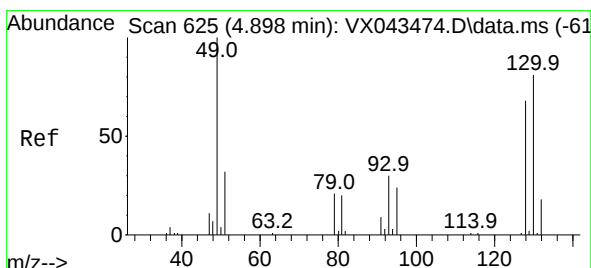
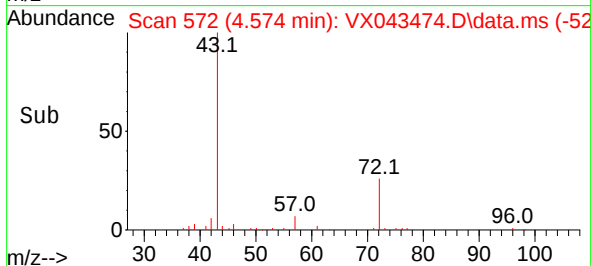
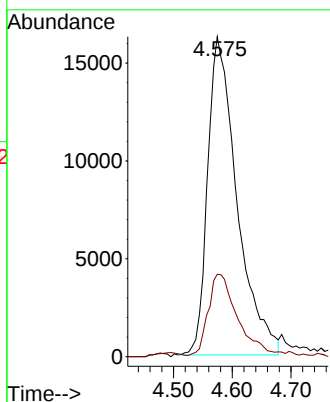
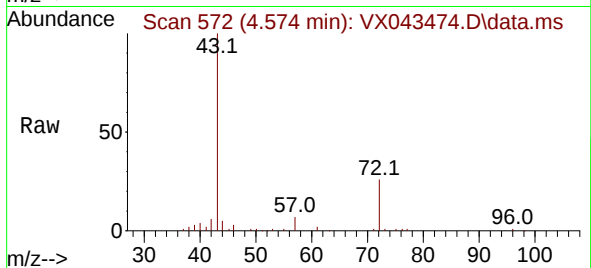




#22  
2-Butanone  
Concen: 98.861 ug/L  
RT: 4.574 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VX043474.D  
Acq: 22 Oct 2024 09:39

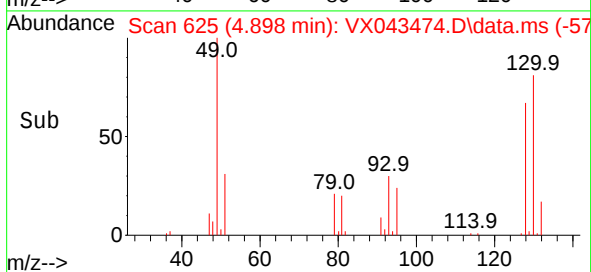
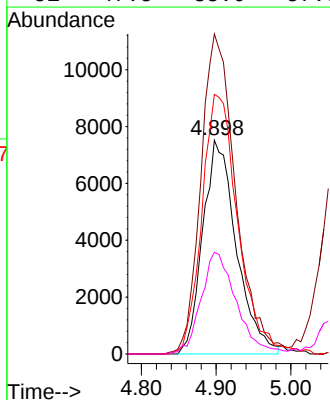
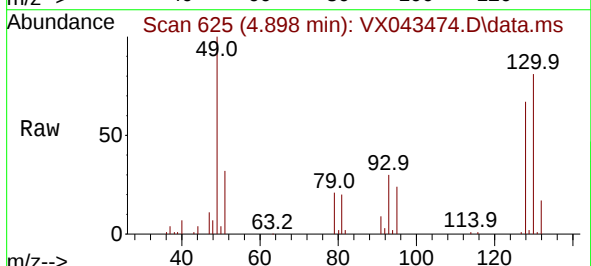
Instrument :  
MSVOA\_X  
ClientSampleId :

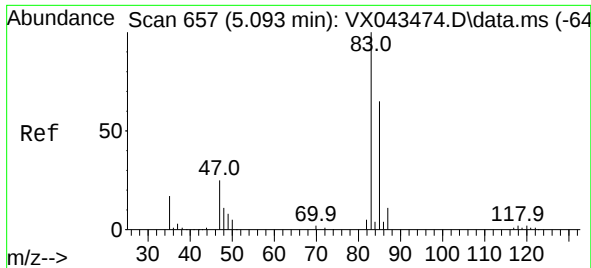
Tgt Ion: 43 Resp: 56539  
Ion Ratio Lower Upper  
43 100  
72 26.0 13.0 39.0



#23  
Bromochloromethane  
Concen: 51.895 ug/L  
RT: 4.898 min Scan# 625  
Delta R.T. 0.000 min  
Lab File: VX043474.D  
Acq: 22 Oct 2024 09:39

Tgt Ion: 128 Resp: 23488  
Ion Ratio Lower Upper  
128 100  
49 149.6 104.7 194.5  
130 121.4 85.0 157.8  
51 47.5 38.0 57.0





#25

Chloroform

Concen: 51.665 ug/L

RT: 5.093 min Scan# 61

Delta R.T. 0.000 min

Lab File: VX043474.D

Acq: 22 Oct 2024 09:39

Instrument :

MSVOA\_X

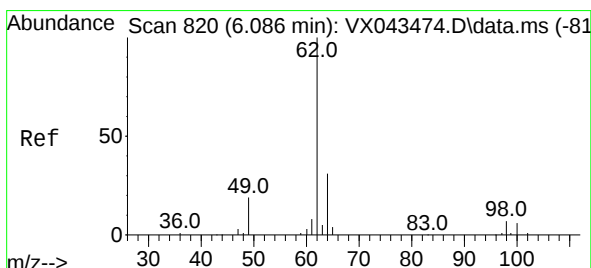
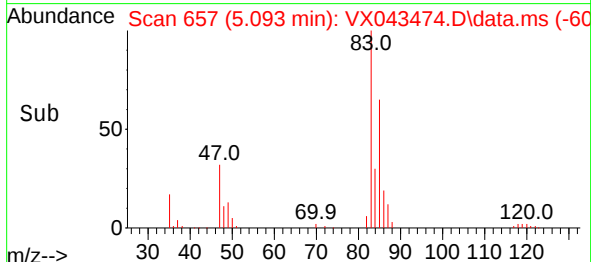
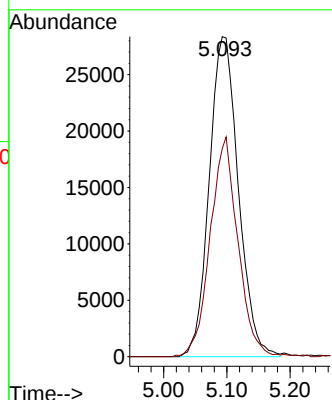
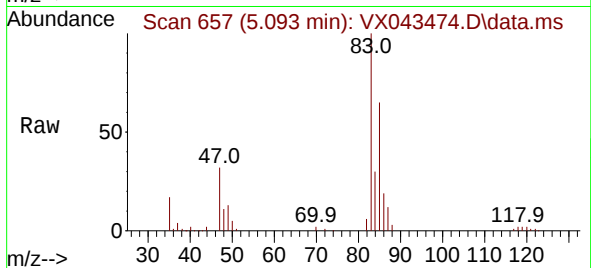
ClientSampleId :

Tgt Ion: 83 Resp: 90775

Ion Ratio Lower Upper

83 100

85 65.0 45.5 84.5



#27

1,2-Dichloroethane

Concen: 50.040 ug/L

RT: 6.086 min Scan# 820

Delta R.T. 0.000 min

Lab File: VX043474.D

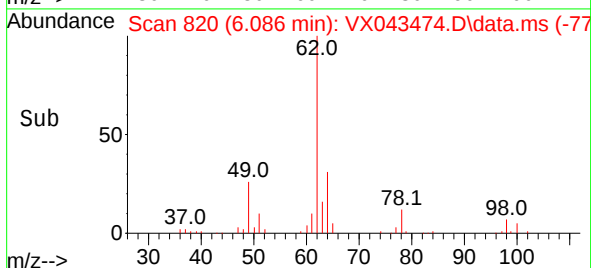
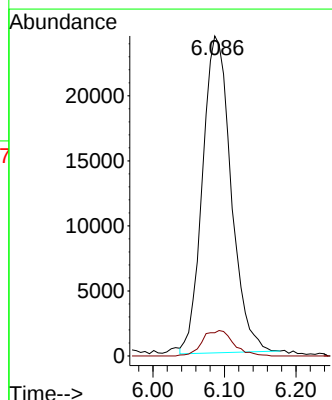
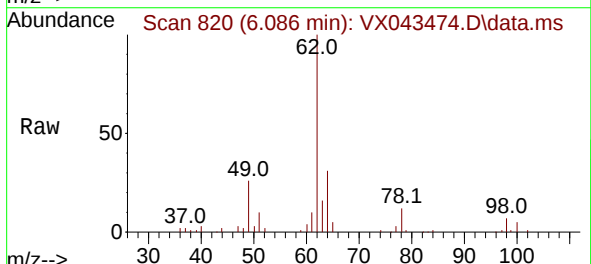
Acq: 22 Oct 2024 09:39

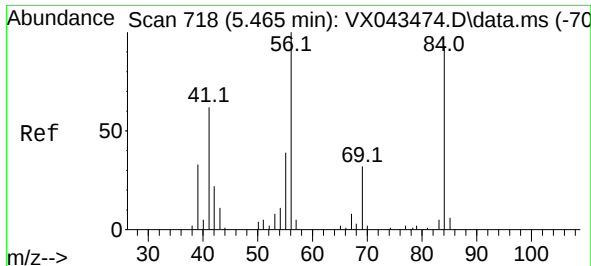
Tgt Ion: 62 Resp: 67641

Ion Ratio Lower Upper

62 100

98 7.2 5.8 8.6





#29

Cyclohexane

Concen: 52.214 ug/L

RT: 5.465 min Scan# 718

Delta R.T. 0.000 min

Lab File: VX043474.D

Acq: 22 Oct 2024 09:39

Instrument :

MSVOA\_X

ClientSampleId :

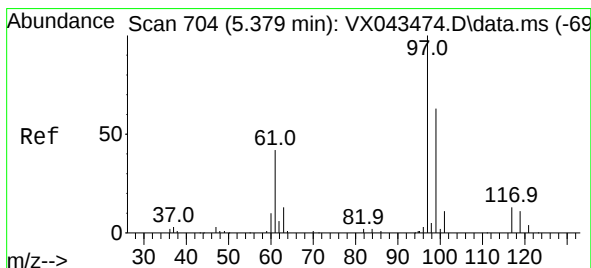
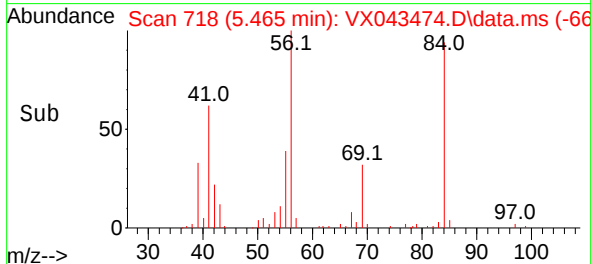
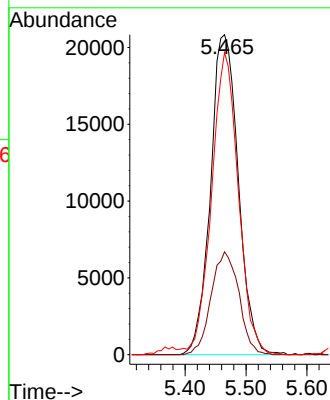
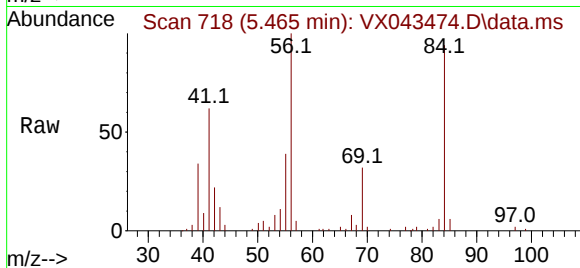
Tgt Ion: 56 Resp: 66077

Ion Ratio Lower Upper

56 100

69 32.0 25.6 38.4

84 90.5 72.4 108.6



#30

1,1,1-Trichloroethane

Concen: 52.501 ug/L

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX043474.D

Acq: 22 Oct 2024 09:39

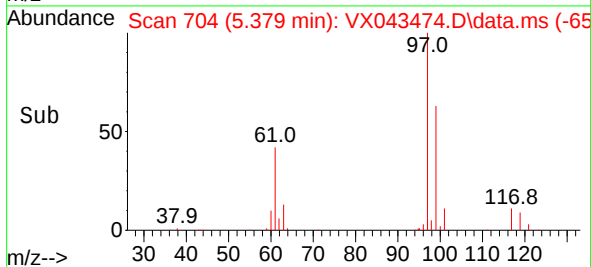
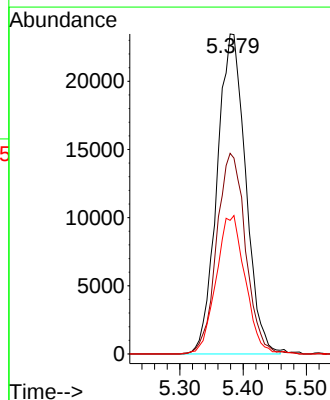
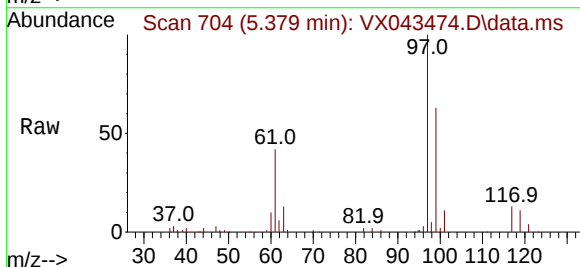
Tgt Ion: 97 Resp: 73726

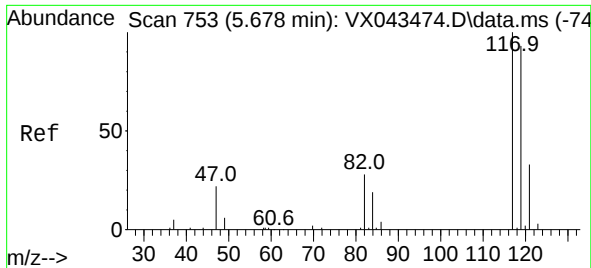
Ion Ratio Lower Upper

97 100

99 63.1 50.5 75.7

61 43.9 35.1 52.7

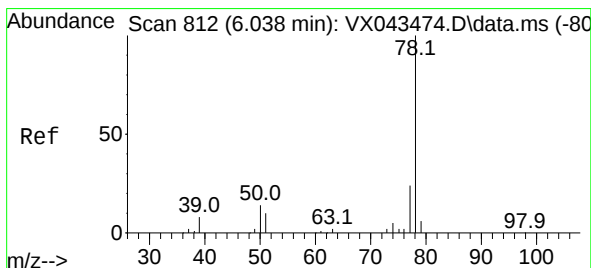
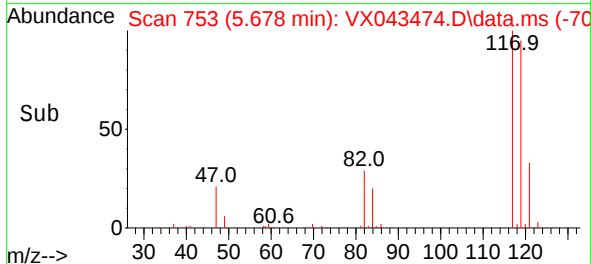
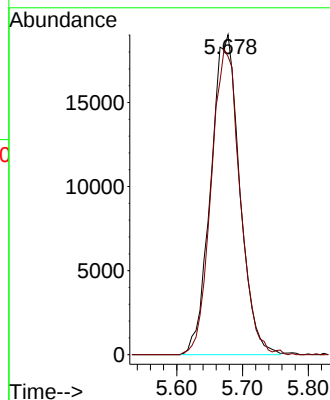
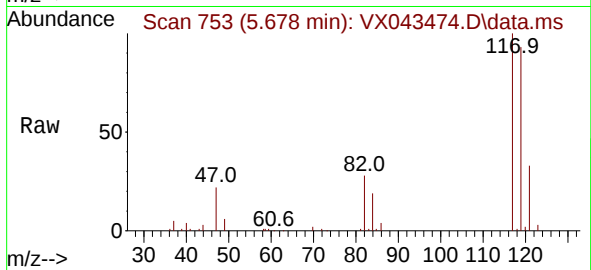




#31  
Carbon tetrachloride  
Concen: 52.136 ug/L  
RT: 5.678 min Scan# 753  
Delta R.T. 0.000 min  
Lab File: VX043474.D  
Acq: 22 Oct 2024 09:39

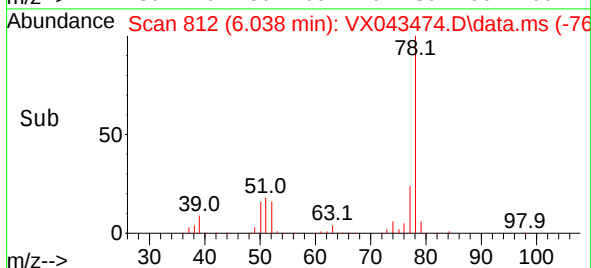
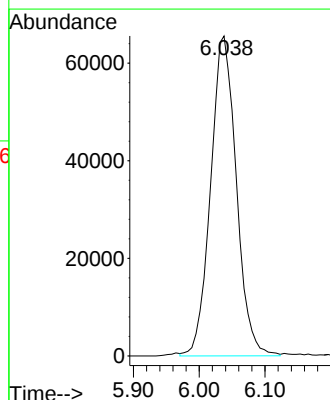
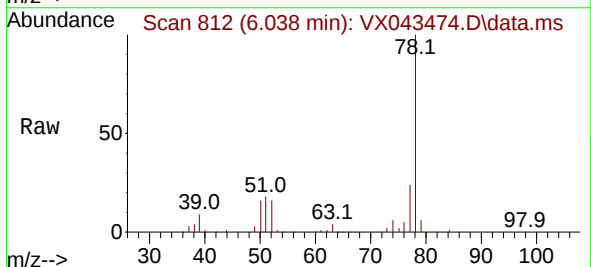
Instrument :  
MSVOA\_X  
ClientSampleId :

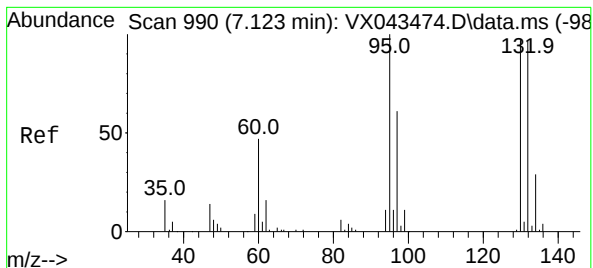
Tgt Ion:117 Resp: 58155  
Ion Ratio Lower Upper  
117 100  
119 95.1 76.1 114.1



#33  
Benzene  
Concen: 53.394 ug/L  
RT: 6.038 min Scan# 812  
Delta R.T. 0.000 min  
Lab File: VX043474.D  
Acq: 22 Oct 2024 09:39

Tgt Ion: 78 Resp: 178460





#34

Trichloroethene

Concen: 52.516 ug/L

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX043474.D

Acq: 22 Oct 2024 09:39

Instrument :

MSVOA\_X

ClientSampleId :

Tgt Ion: 95 Resp: 46646

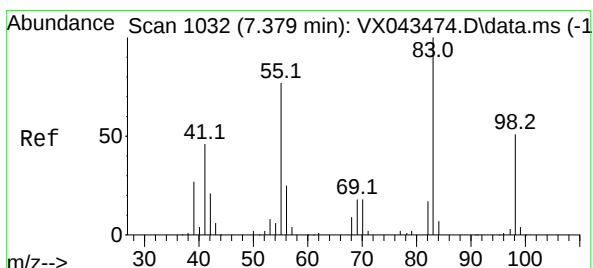
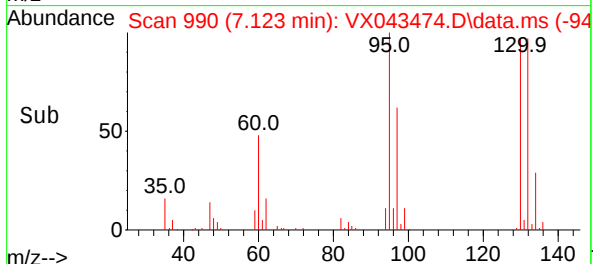
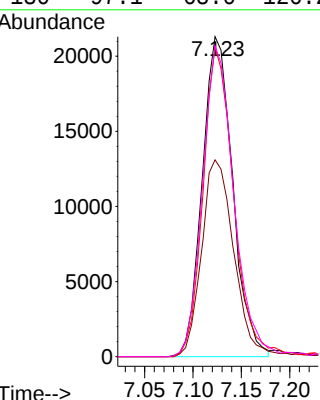
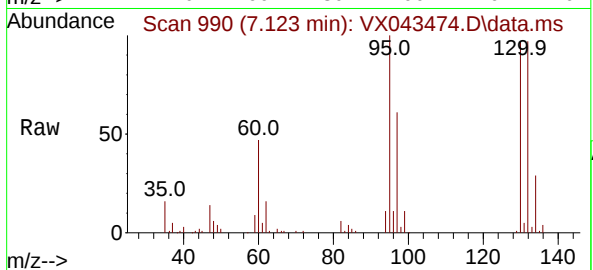
Ion Ratio Lower Upper

95 100

97 61.5 43.0 80.0

132 96.8 67.8 125.8

130 97.1 68.0 126.2



#35

Methylcyclohexane

Concen: 53.051 ug/L

RT: 7.379 min Scan# 1032

Delta R.T. 0.000 min

Lab File: VX043474.D

Acq: 22 Oct 2024 09:39

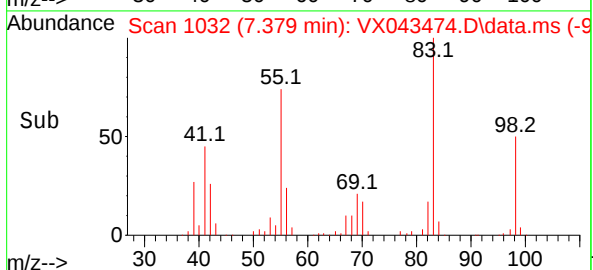
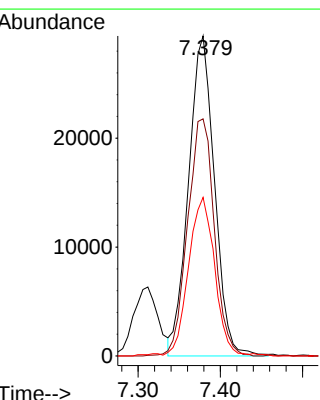
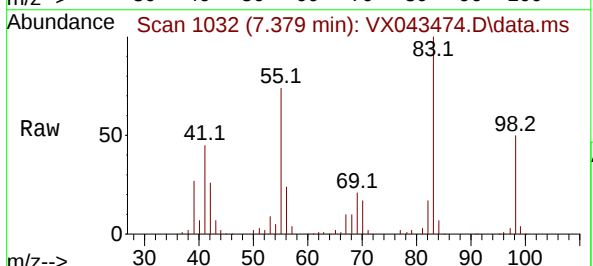
Tgt Ion: 83 Resp: 64646

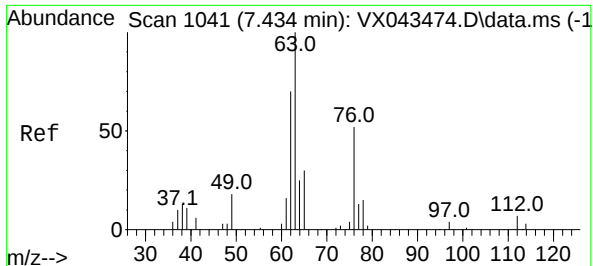
Ion Ratio Lower Upper

83 100

55 76.1 60.9 91.3

98 49.1 39.3 58.9

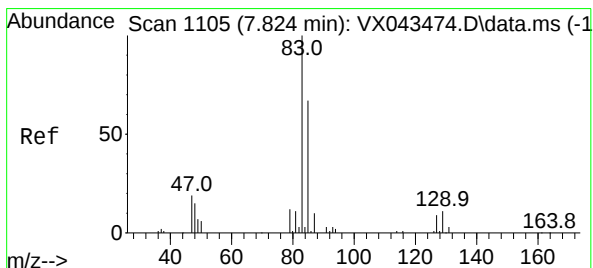
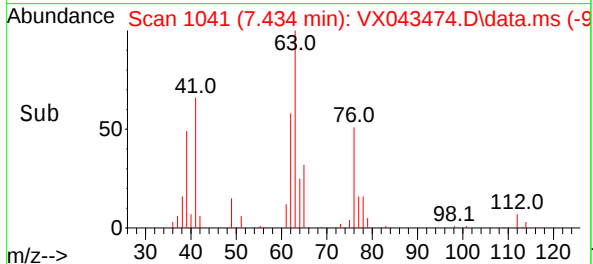
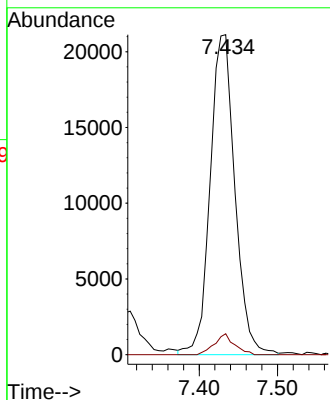
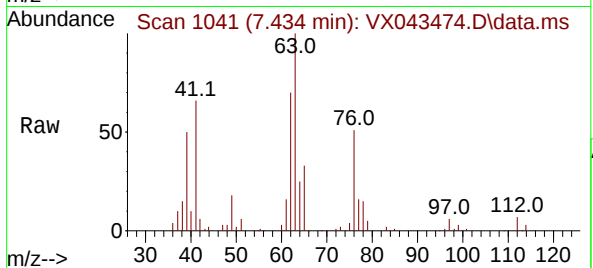




#37  
1,2-Dichloropropane  
Concen: 53.442 ug/L  
RT: 7.434 min Scan# 1041  
Delta R.T. 0.000 min  
Lab File: VX043474.D  
Acq: 22 Oct 2024 09:39

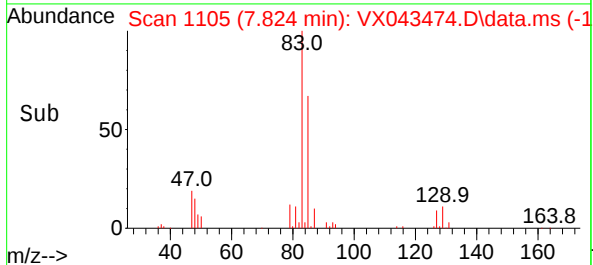
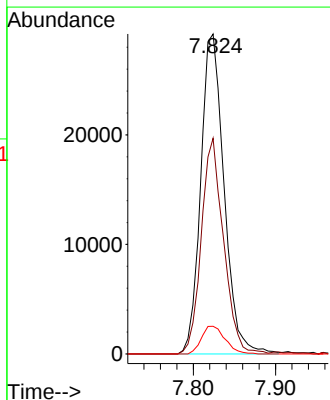
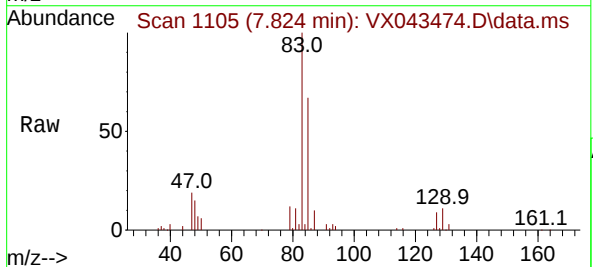
Instrument :  
MSVOA\_X  
ClientSampleId :

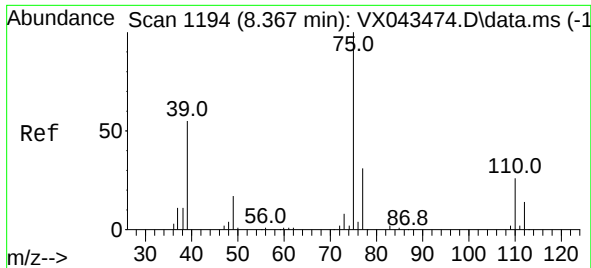
Tgt Ion: 63 Resp: 46436  
Ion Ratio Lower Upper  
63 100  
112 5.2 4.2 6.2



#38  
Bromodichloromethane  
Concen: 51.807 ug/L  
RT: 7.824 min Scan# 1105  
Delta R.T. 0.000 min  
Lab File: VX043474.D  
Acq: 22 Oct 2024 09:39

Tgt Ion: 83 Resp: 57624  
Ion Ratio Lower Upper  
83 100  
85 67.4 47.2 87.6  
127 8.7 7.0 10.4

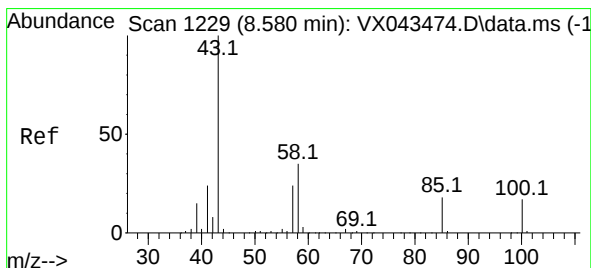
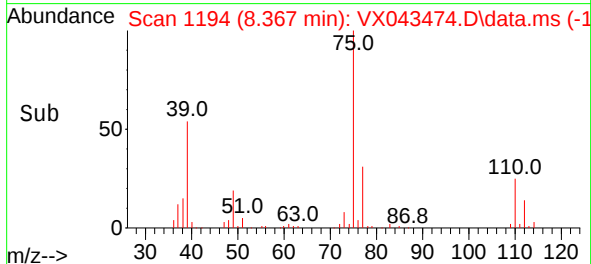
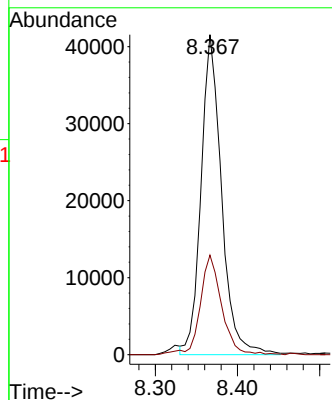
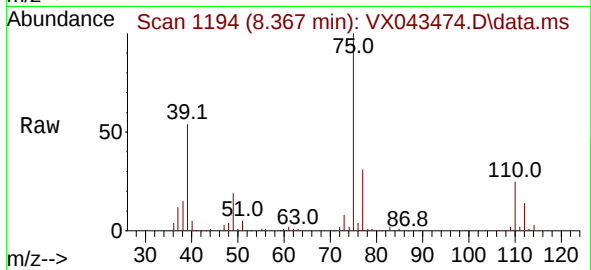




#39  
 cis-1,3-Dichloropropene  
 Concen: 54.124 ug/L  
 RT: 8.367 min Scan# 1194  
 Delta R.T. 0.000 min  
 Lab File: VX043474.D  
 Acq: 22 Oct 2024 09:39

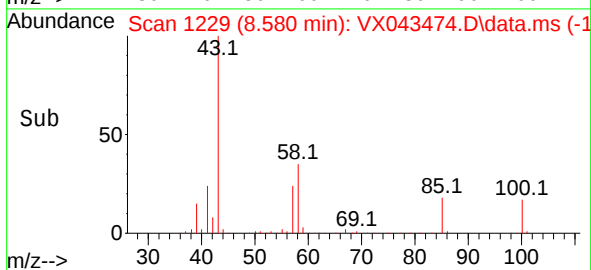
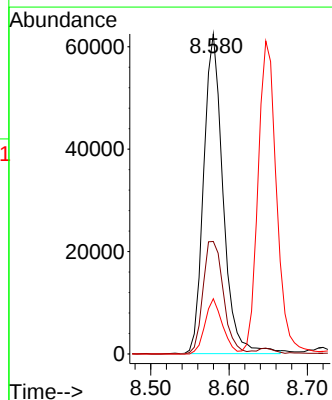
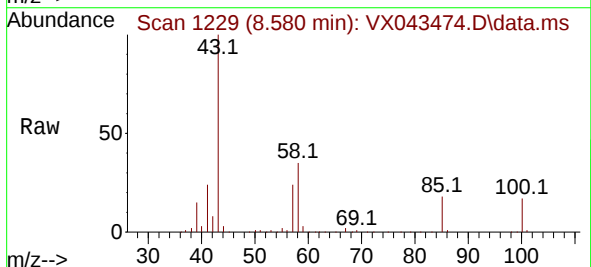
Instrument :  
 MSVOA\_X  
 ClientSampleId :

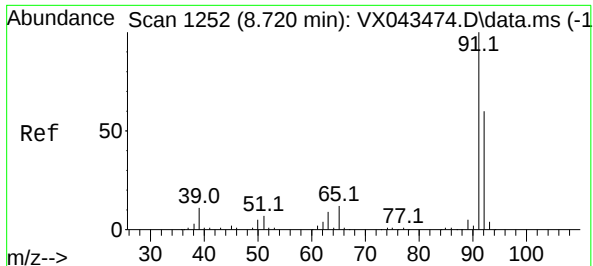
Tgt Ion: 75 Resp: 71986  
 Ion Ratio Lower Upper  
 75 100  
 77 31.1 21.8 40.4



#40  
 4-Methyl-2-pentanone  
 Concen: 106.595 ug/L  
 RT: 8.580 min Scan# 1229  
 Delta R.T. 0.000 min  
 Lab File: VX043474.D  
 Acq: 22 Oct 2024 09:39

Tgt Ion: 43 Resp: 107218  
 Ion Ratio Lower Upper  
 43 100  
 58 37.2 29.8 44.6  
 100 15.6 12.5 18.7





#42

Toluene

Concen: 52.676 ug/L

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX043474.D

Acq: 22 Oct 2024 09:39

Instrument :

MSVOA\_X

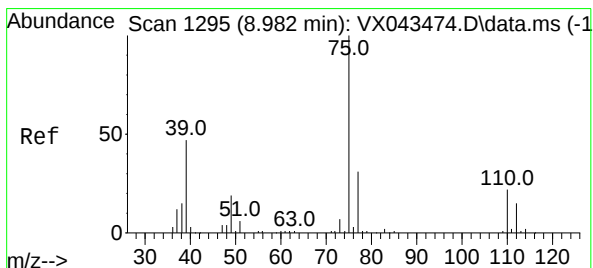
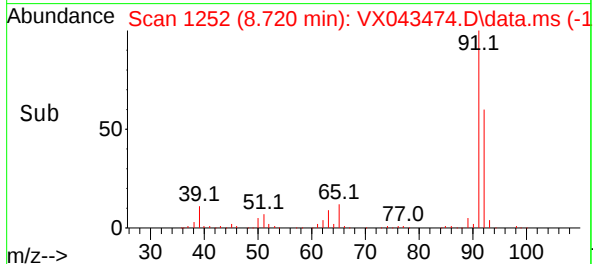
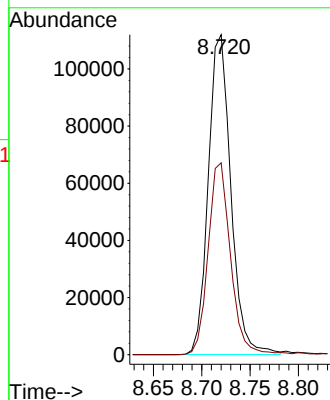
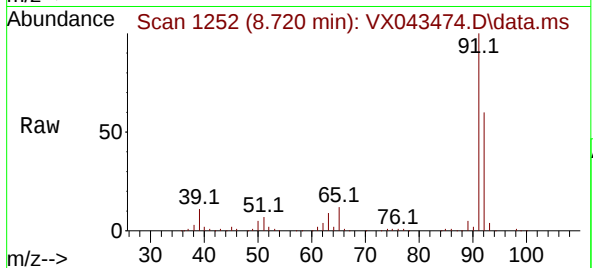
ClientSampleId :

Tgt Ion: 91 Resp: 181758

Ion Ratio Lower Upper

91 100

92 60.0 42.0 78.0



#44

trans-1,3-Dichloropropene

Concen: 53.907 ug/L

RT: 8.982 min Scan# 1295

Delta R.T. 0.000 min

Lab File: VX043474.D

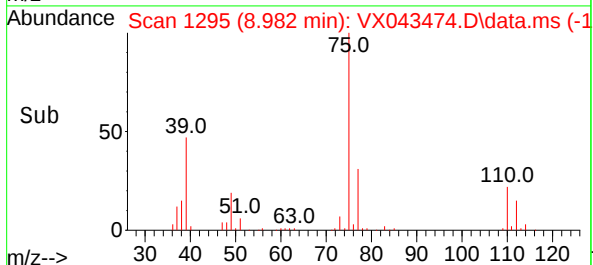
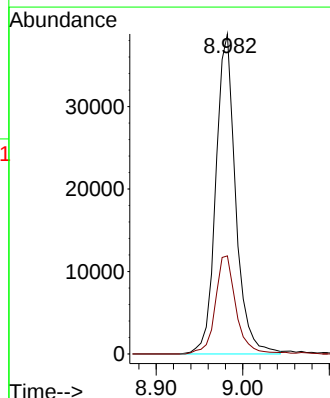
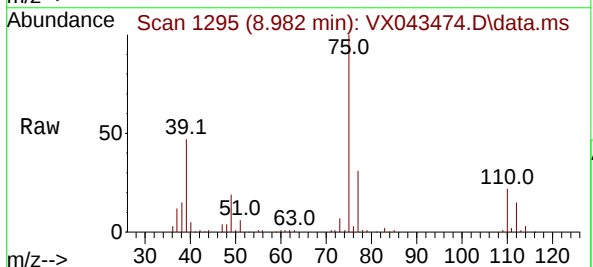
Acq: 22 Oct 2024 09:39

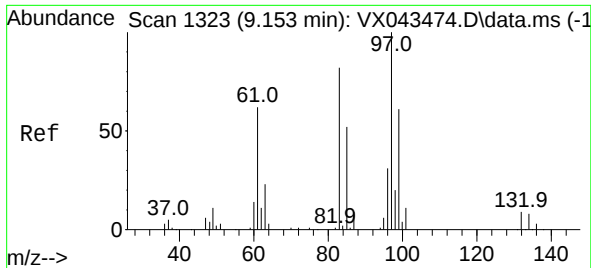
Tgt Ion: 75 Resp: 61670

Ion Ratio Lower Upper

75 100

77 30.7 21.5 39.9

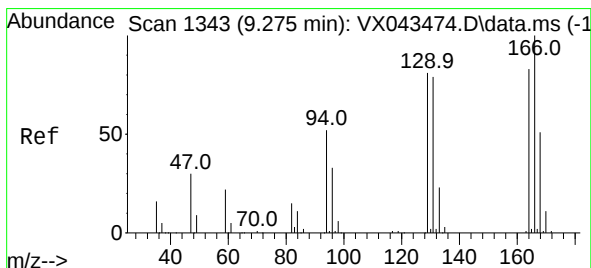
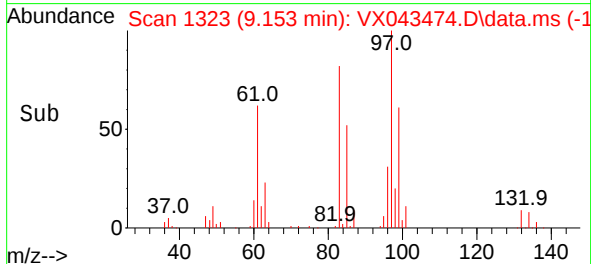
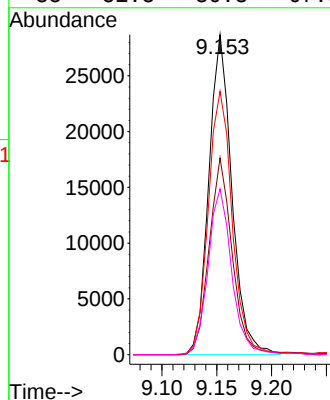
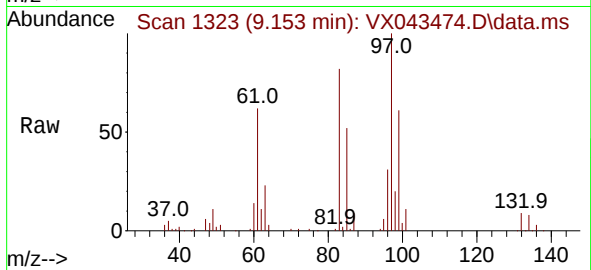




#45  
1,1,2-Trichloroethane  
Concen: 53.187 ug/L  
RT: 9.153 min Scan# 1323  
Delta R.T. 0.000 min  
Lab File: VX043474.D  
Acq: 22 Oct 2024 09:39

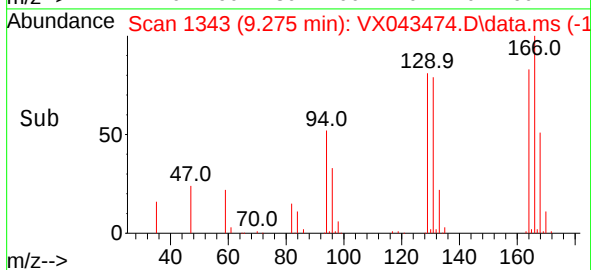
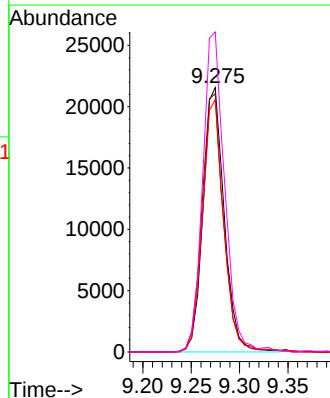
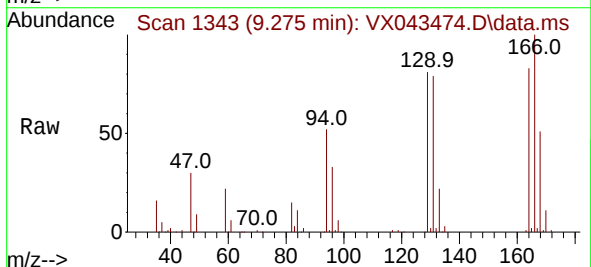
Instrument :  
MSVOA\_X  
ClientSampleId :

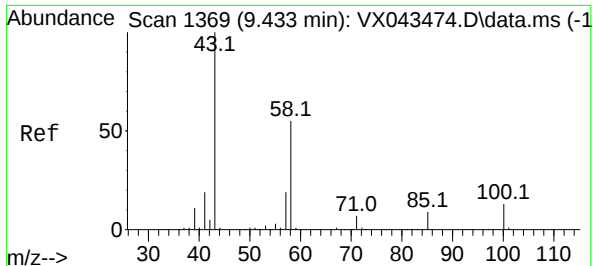
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 41969 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 61.5     | 43.0 80.0   |
| 83 82.3     | 57.6 107.0  |
| 85 51.8     | 36.3 67.3   |



#46  
Tetrachloroethene  
Concen: 54.694 ug/L  
RT: 9.275 min Scan# 1343  
Delta R.T. 0.000 min  
Lab File: VX043474.D  
Acq: 22 Oct 2024 09:39

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:164 | Resp: | 32855 |
| Ion | Ratio   | Lower | Upper |
| 164 | 100     |       |       |
| 129 | 97.7    | 68.4  | 127.0 |
| 131 | 95.4    | 66.8  | 124.0 |
| 166 | 121.0   | 84.7  | 157.3 |

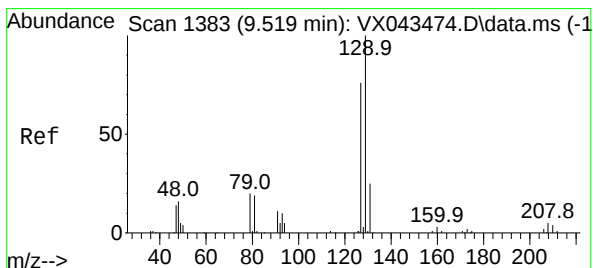
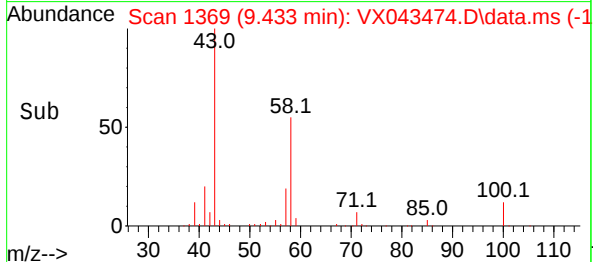
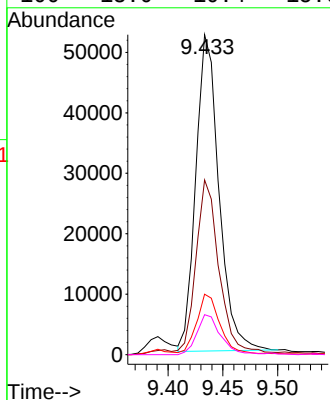
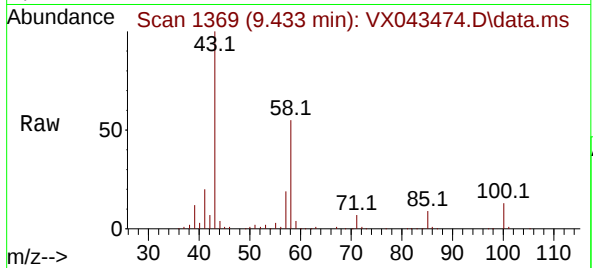




#48  
2-Hexanone  
Concen: 98.243 ug/L  
RT: 9.433 min Scan# 1369  
Delta R.T. 0.000 min  
Lab File: VX043474.D  
Acq: 22 Oct 2024 09:39

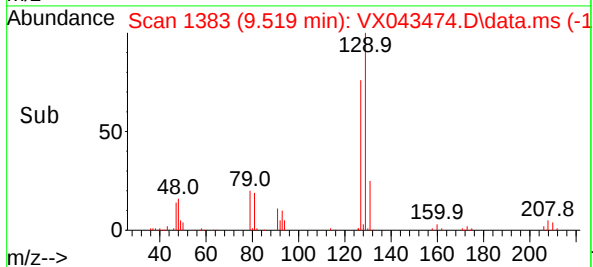
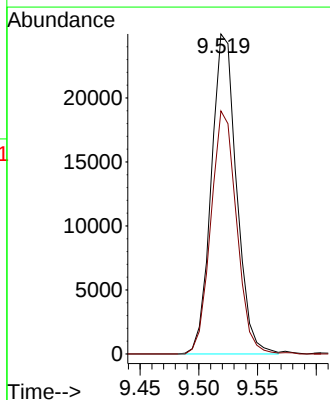
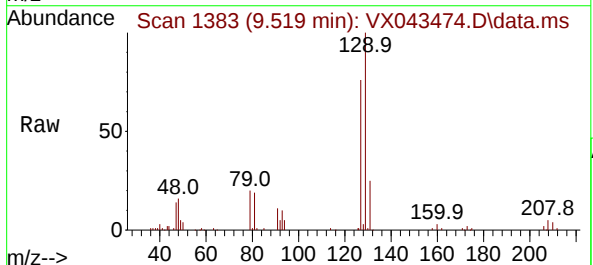
Instrument :  
MSVOA\_X  
ClientSampleId :

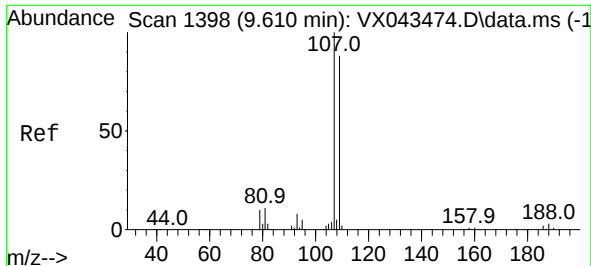
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 77092 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 55.0  | 44.0  | 66.0  |
| 57       | 20.0  | 16.0  | 24.0  |
| 100      | 13.0  | 10.4  | 15.6  |



#49  
Dibromochloromethane  
Concen: 50.755 ug/L  
RT: 9.519 min Scan# 1383  
Delta R.T. 0.000 min  
Lab File: VX043474.D  
Acq: 22 Oct 2024 09:39

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 37380 |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 76.0  | 53.2  | 98.8  |

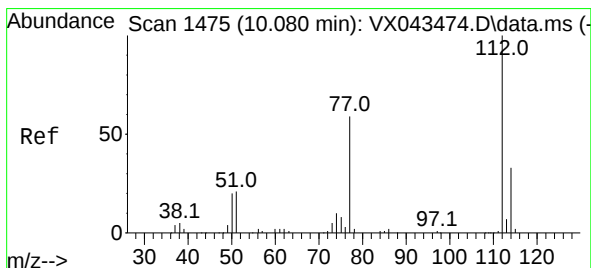
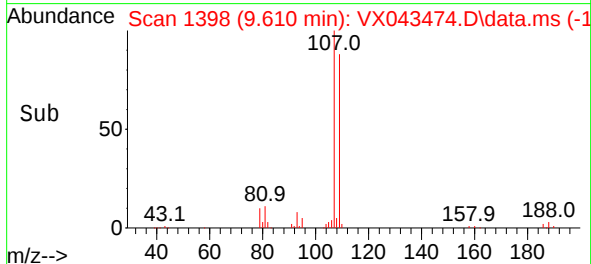
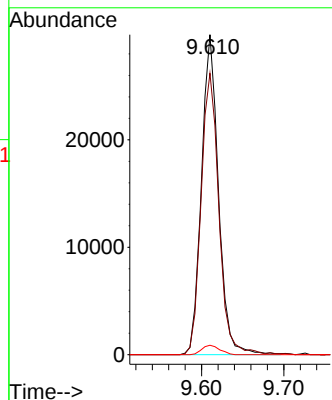
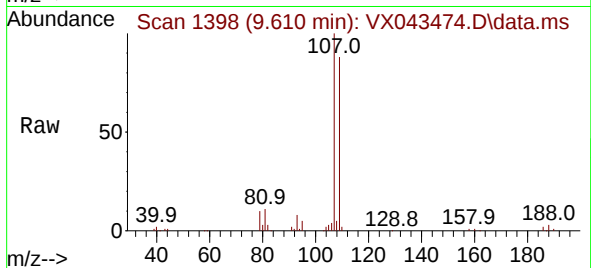




#50  
1,2-Dibromoethane  
Concen: 52.756 ug/L  
RT: 9.610 min Scan# 1398  
Delta R.T. 0.000 min  
Lab File: VX043474.D  
Acq: 22 Oct 2024 09:39

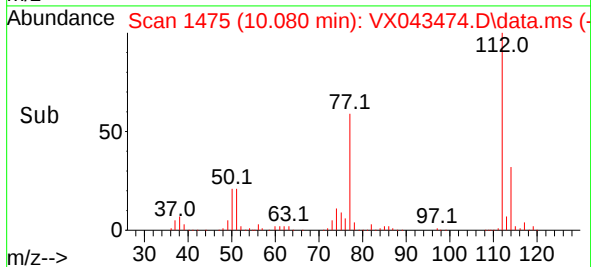
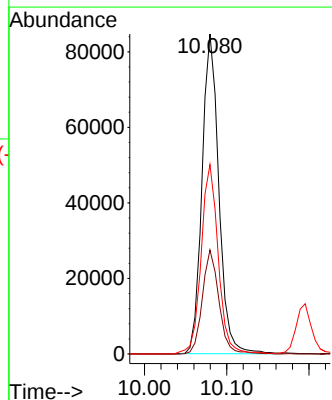
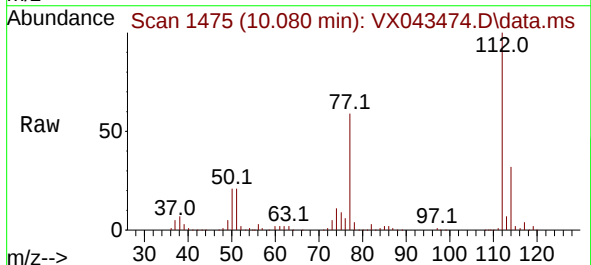
Instrument :  
MSVOA\_X  
ClientSampleId :

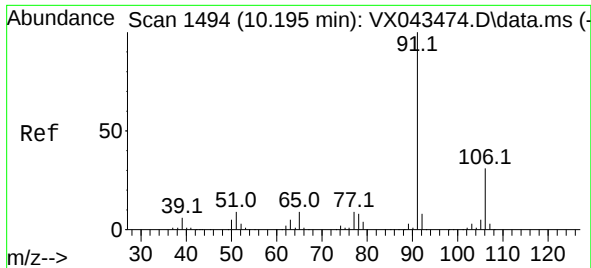
Tgt Ion:107 Resp: 42904  
Ion Ratio Lower Upper  
107 100  
109 88.0 61.6 114.4  
188 3.0 2.4 3.6



#51  
Chlorobenzene  
Concen: 52.924 ug/L  
RT: 10.080 min Scan# 1475  
Delta R.T. 0.000 min  
Lab File: VX043474.D  
Acq: 22 Oct 2024 09:39

Tgt Ion:112 Resp: 120400  
Ion Ratio Lower Upper  
112 100  
114 32.5 22.7 42.3  
77 59.2 47.4 71.0

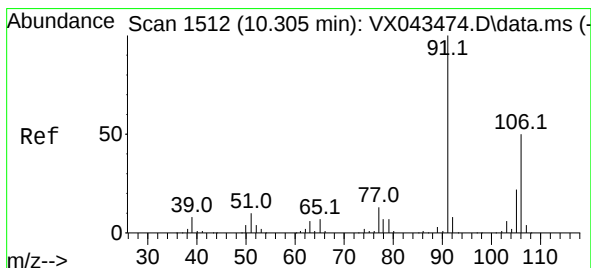
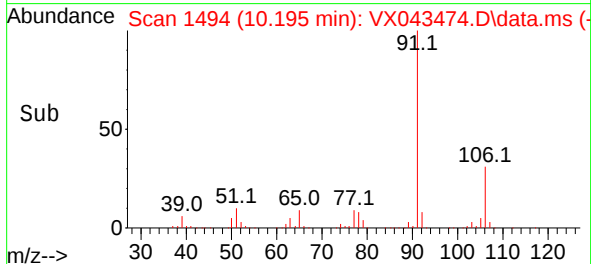
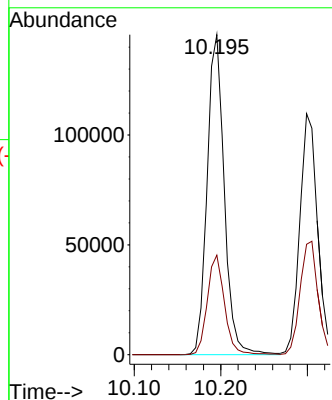
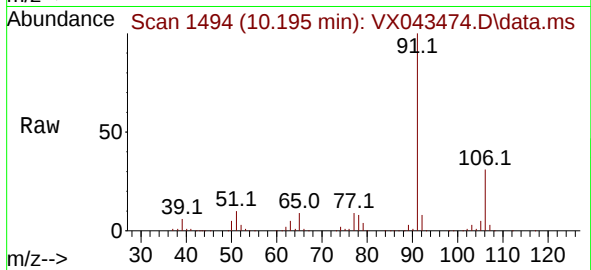




#52  
Ethylbenzene  
Concen: 53.379 ug/L  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.000 min  
Lab File: VX043474.D  
Acq: 22 Oct 2024 09:39

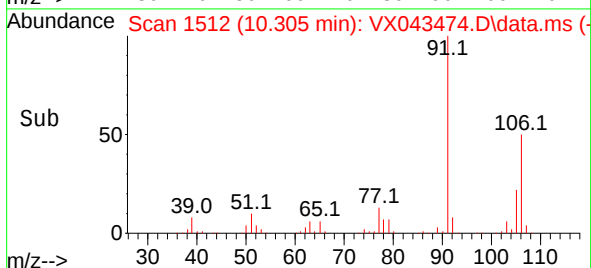
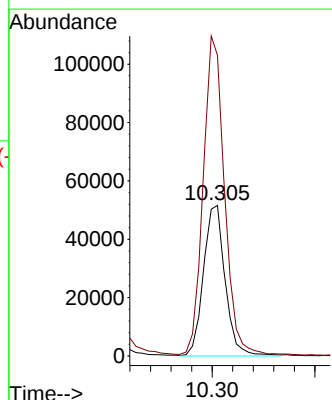
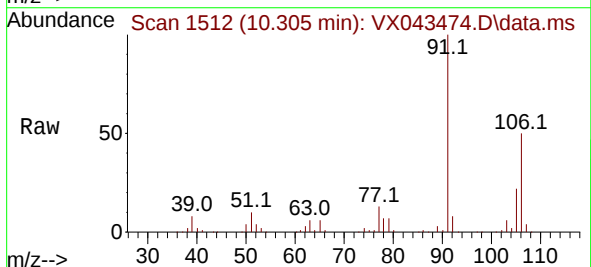
Instrument :  
MSVOA\_X  
ClientSampleId :

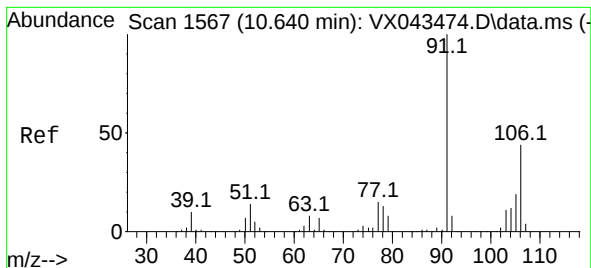
Tgt Ion: 91 Resp: 200133  
Ion Ratio Lower Upper  
91 100  
106 31.1 21.8 40.4



#53  
m,p-Xylene  
Concen: 53.827 ug/L  
RT: 10.305 min Scan# 1512  
Delta R.T. 0.000 min  
Lab File: VX043474.D  
Acq: 22 Oct 2024 09:39

Tgt Ion: 106 Resp: 75626  
Ion Ratio Lower Upper  
106 100  
91 199.6 139.7 259.5





#54

o-Xylene

Concen: 54.277 ug/L

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX043474.D

Acq: 22 Oct 2024 09:39

Instrument :

MSVOA\_X

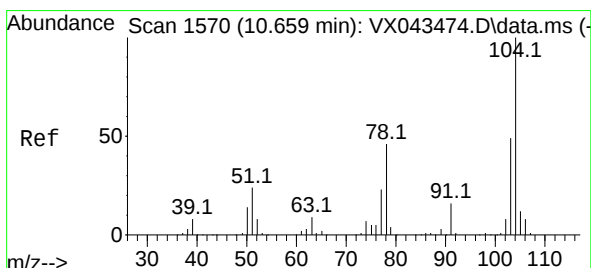
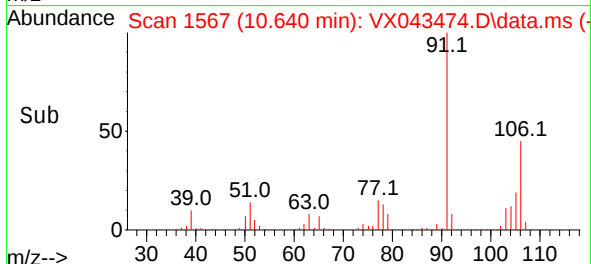
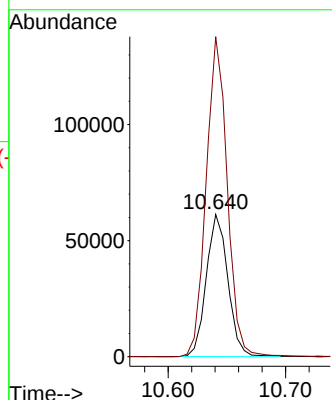
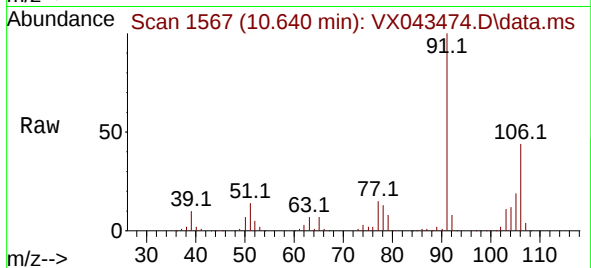
ClientSampleId :

Tgt Ion:106 Resp: 78085

Ion Ratio Lower Upper

106 100

91 224.9 157.4 292.4



#55

Styrene

Concen: 52.979 ug/L

RT: 10.659 min Scan# 1570

Delta R.T. 0.000 min

Lab File: VX043474.D

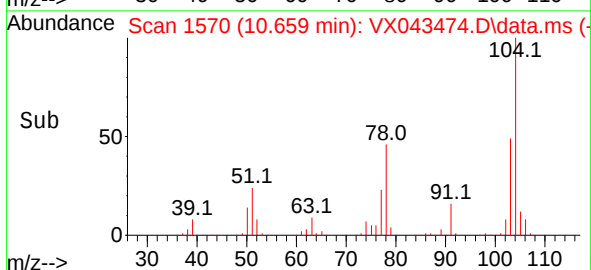
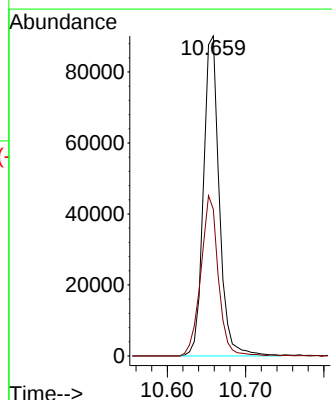
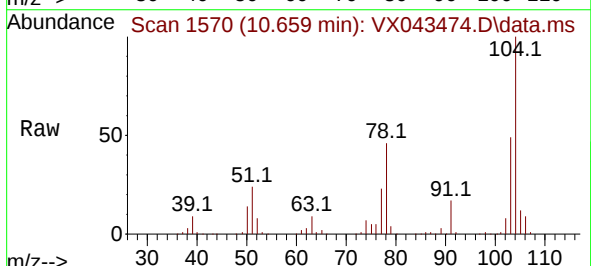
Acq: 22 Oct 2024 09:39

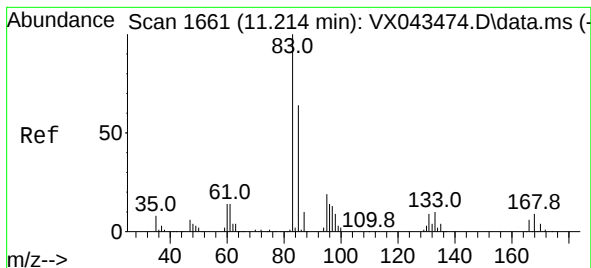
Tgt Ion:104 Resp: 126595

Ion Ratio Lower Upper

104 100

78 45.9 32.1 59.7





#57

1,1,2,2-Tetrachloroethane

Concen: 52.393 ug/L

RT: 11.214 min Scan# 1661

Delta R.T. 0.000 min

Lab File: VX043474.D

Acq: 22 Oct 2024 09:39

Instrument :

MSVOA\_X

ClientSampleId :

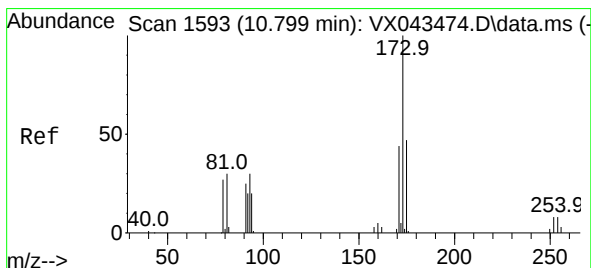
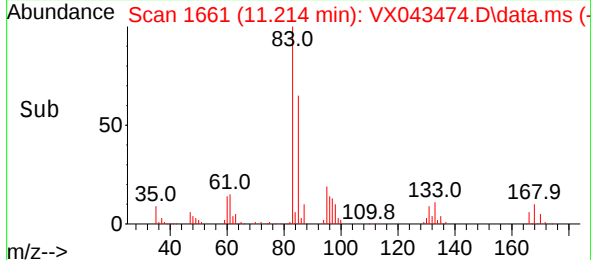
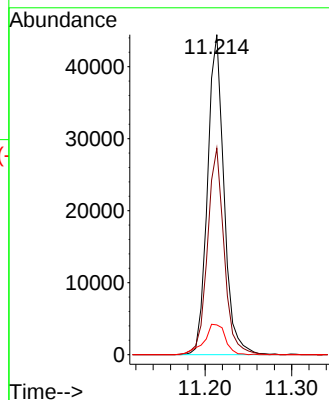
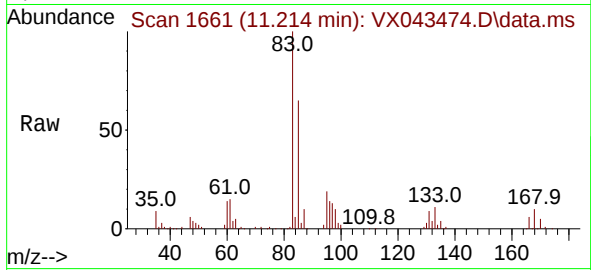
Tgt Ion: 83 Resp: 58773

Ion Ratio Lower Upper

83 100

85 64.5 45.1 83.9

131 9.3 7.4 11.2



#59

Bromoform

Concen: 50.848 ug/L

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX043474.D

Acq: 22 Oct 2024 09:39

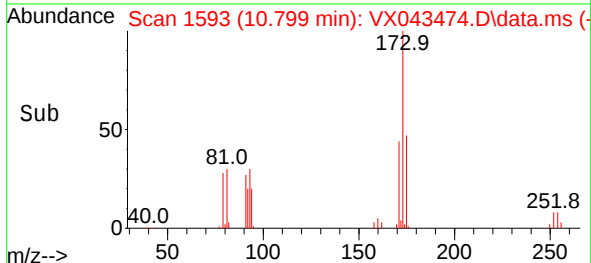
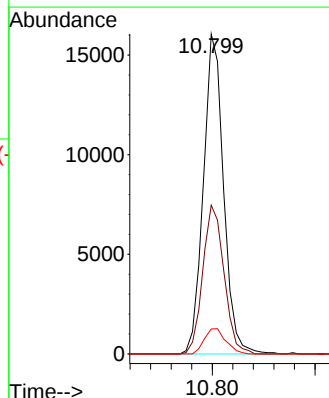
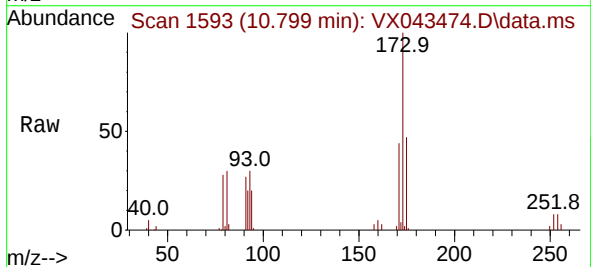
Tgt Ion:173 Resp: 21952

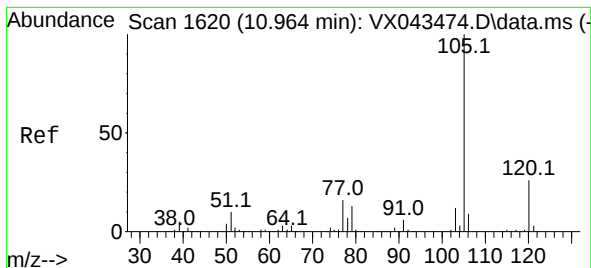
Ion Ratio Lower Upper

173 100

175 48.9 39.1 58.7

254 8.4 6.7 10.1





#60

Isopropylbenzene

Concen: 53.159 ug/L

RT: 10.964 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX043474.D

Acq: 22 Oct 2024 09:39

Instrument :

MSVOA\_X

ClientSampleId :

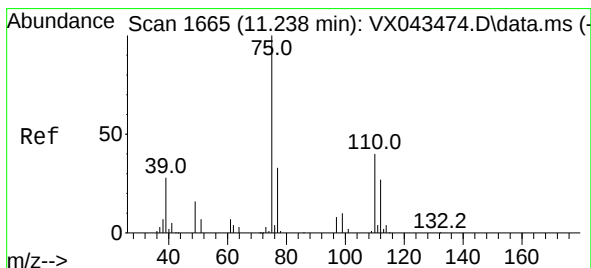
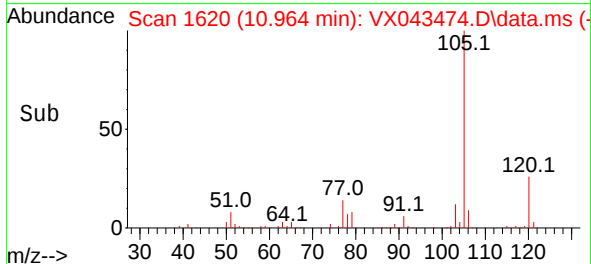
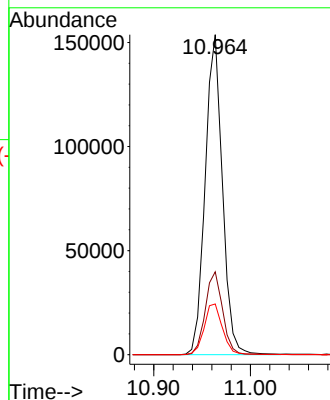
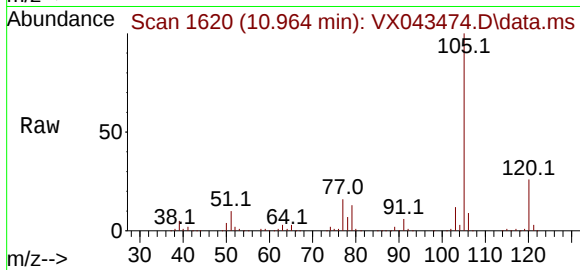
Tgt Ion:105 Resp: 190875

Ion Ratio Lower Upper

105 100

120 26.1 20.9 31.3

77 16.8 13.4 20.2



#61

1,2,3-Trichloropropane

Concen: 52.586 ug/L

RT: 11.238 min Scan# 1665

Delta R.T. 0.000 min

Lab File: VX043474.D

Acq: 22 Oct 2024 09:39

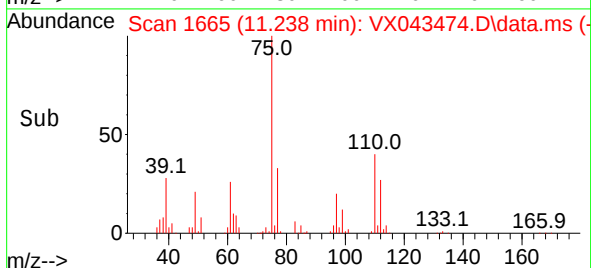
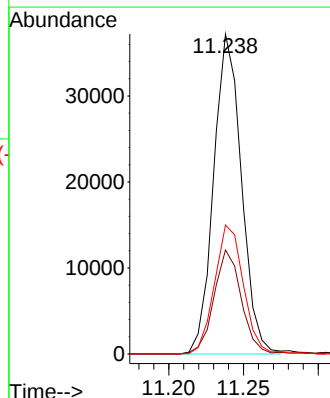
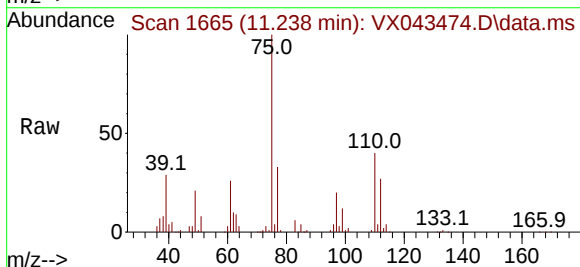
Tgt Ion: 75 Resp: 48033

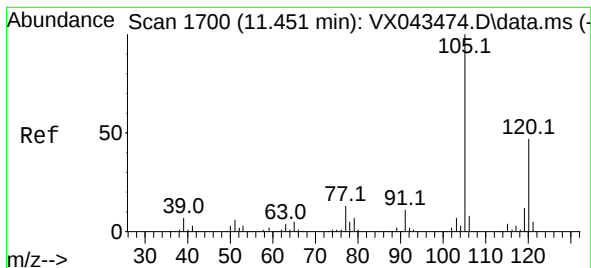
Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2

110 41.9 33.5 50.3





#62

1,3,5-Trimethylbenzene

Concen: 53.875 ug/L

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX043474.D

Acq: 22 Oct 2024 09:39

Instrument :

MSVOA\_X

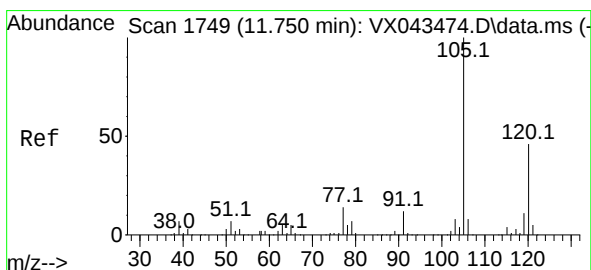
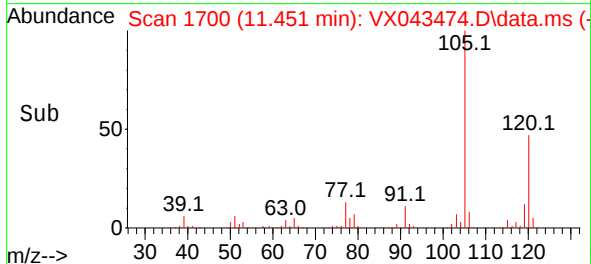
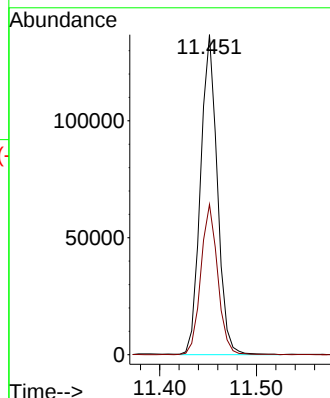
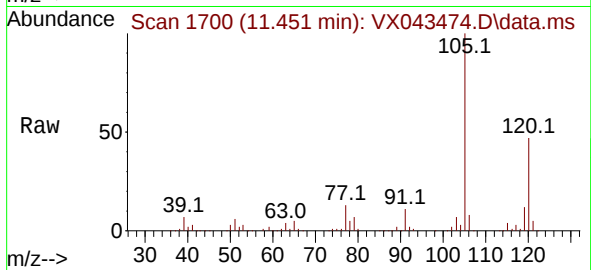
ClientSampleId :

Tgt Ion:105 Resp: 165331

Ion Ratio Lower Upper

105 100

120 47.3 37.8 56.8



#63

1,2,4-Trimethylbenzene

Concen: 53.186 ug/L

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX043474.D

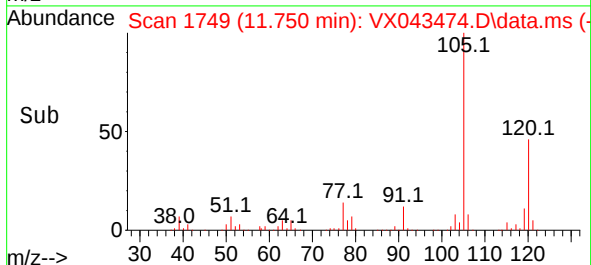
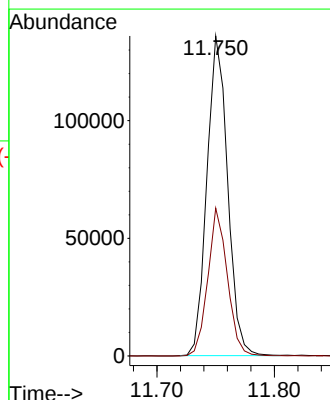
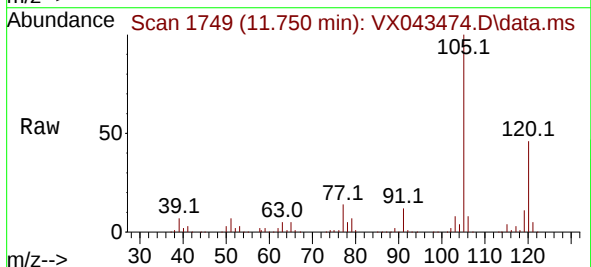
Acq: 22 Oct 2024 09:39

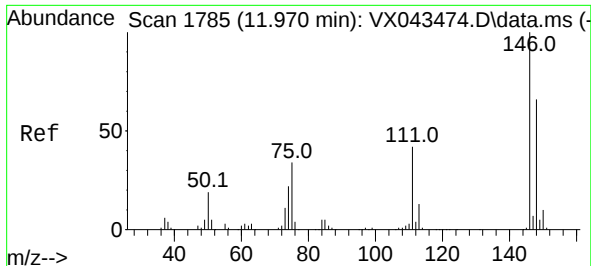
Tgt Ion:105 Resp: 165917

Ion Ratio Lower Upper

105 100

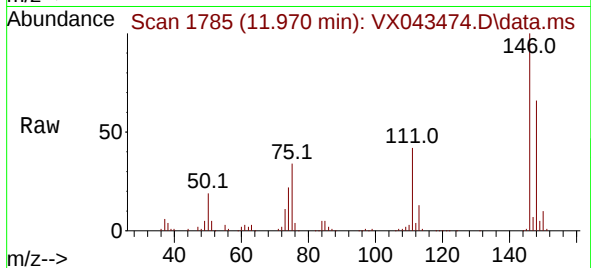
120 43.7 35.0 52.4



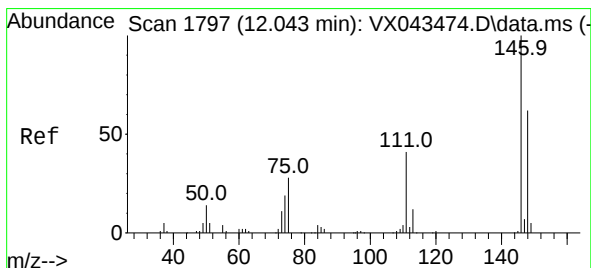
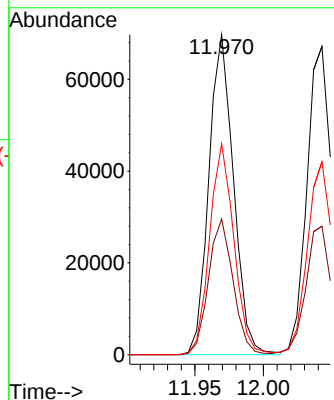
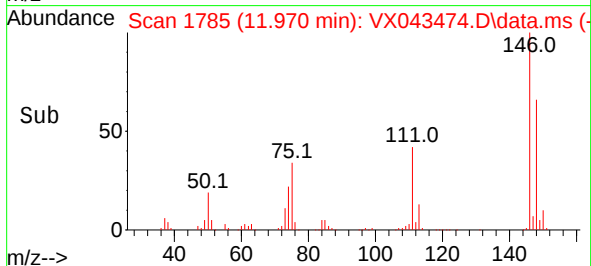


#64  
1,3-Dichlorobenzene  
Concen: 53.257 ug/L  
RT: 11.970 min Scan# 1785  
Delta R.T. 0.000 min  
Lab File: VX043474.D  
Acq: 22 Oct 2024 09:39

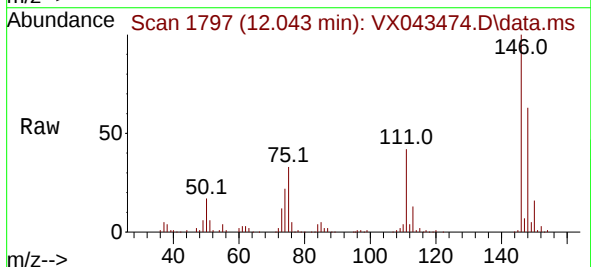
Instrument :  
MSVOA\_X  
ClientSampleId :



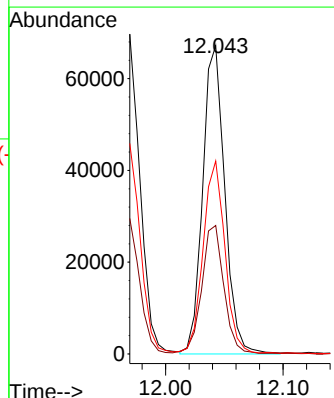
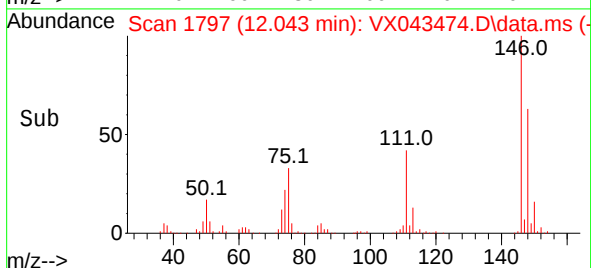
Tgt Ion:146 Resp: 87256  
Ion Ratio Lower Upper  
146 100  
111 42.4 29.7 55.1  
148 65.9 46.1 85.7

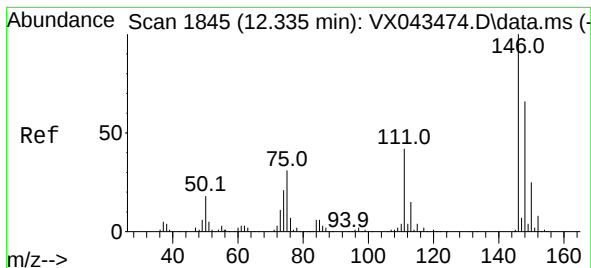


#65  
1,4-Dichlorobenzene  
Concen: 52.197 ug/L  
RT: 12.043 min Scan# 1797  
Delta R.T. 0.000 min  
Lab File: VX043474.D  
Acq: 22 Oct 2024 09:39



Tgt Ion:146 Resp: 87723  
Ion Ratio Lower Upper  
146 100  
111 41.7 29.2 54.2  
148 62.6 43.8 81.4





#67

1,2-Dichlorobenzene

Concen: 52.922 ug/L

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX043474.D

Acq: 22 Oct 2024 09:39

Instrument :

MSVOA\_X

ClientSampleId :

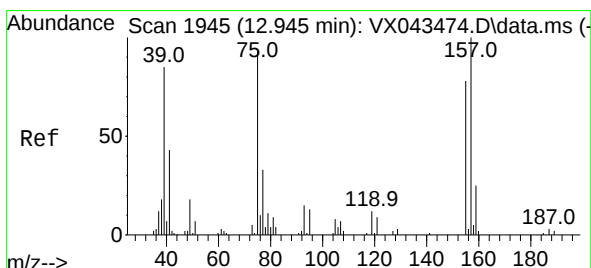
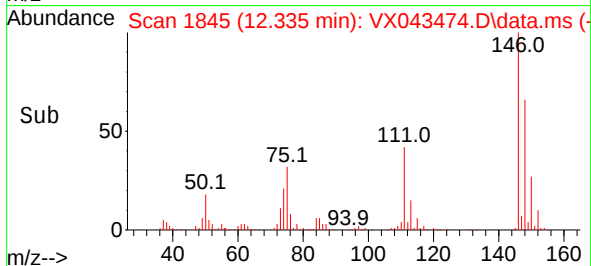
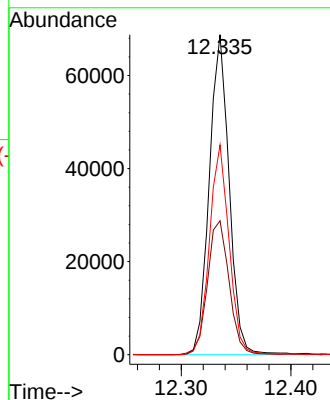
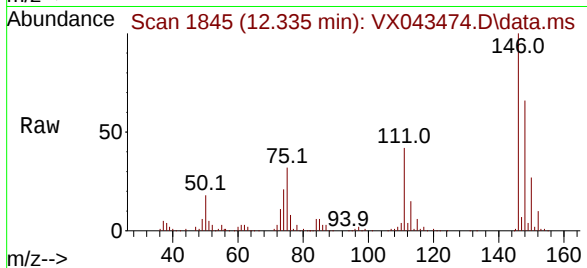
Tgt Ion:146 Resp: 86413

Ion Ratio Lower Upper

146 100

111 41.8 33.4 50.2

148 65.6 52.5 78.7



#68

1,2-Dibromo-3-chloropropane

Concen: 49.448 ug/L

RT: 12.945 min Scan# 1945

Delta R.T. 0.000 min

Lab File: VX043474.D

Acq: 22 Oct 2024 09:39

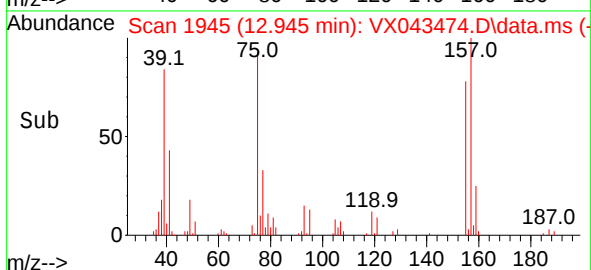
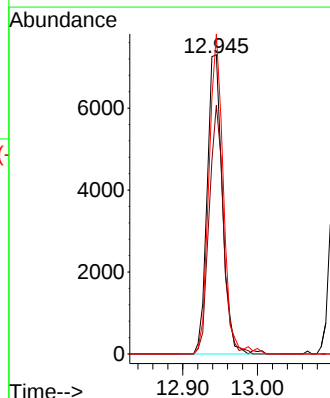
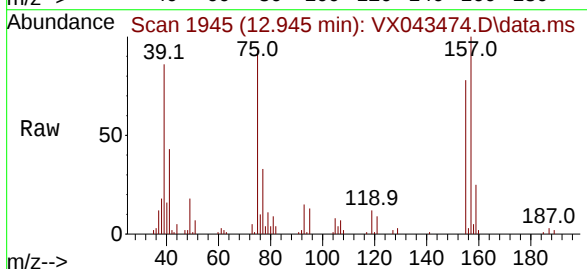
Tgt Ion: 75 Resp: 10326

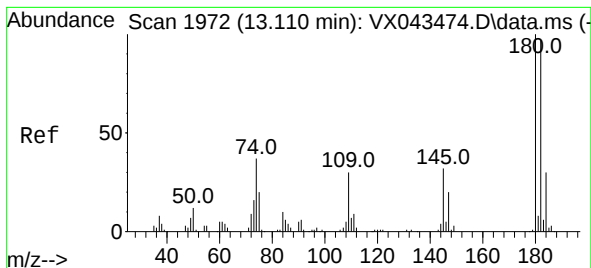
Ion Ratio Lower Upper

75 100

155 83.2 66.6 99.8

157 107.0 85.6 128.4





#69

1,3,5-Trichlorobenzene

Concen: 53.967 ug/L

RT: 13.110 min Scan# 1972

Delta R.T. 0.000 min

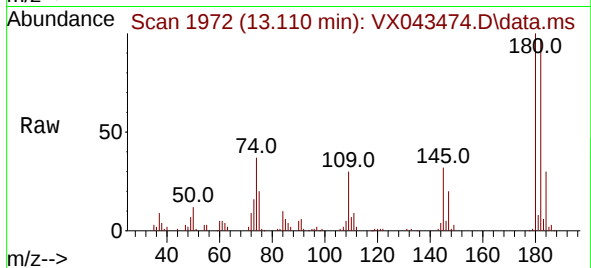
Lab File: VX043474.D

Acq: 22 Oct 2024 09:39

Instrument :

MSVOA\_X

ClientSampleId :



Tgt Ion:180 Resp: 57471

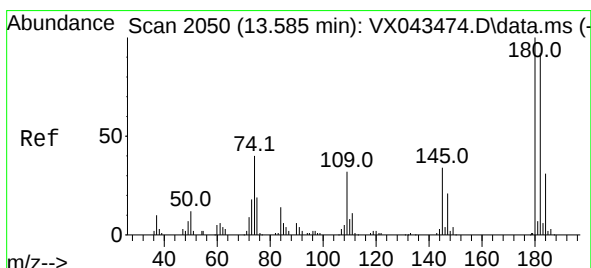
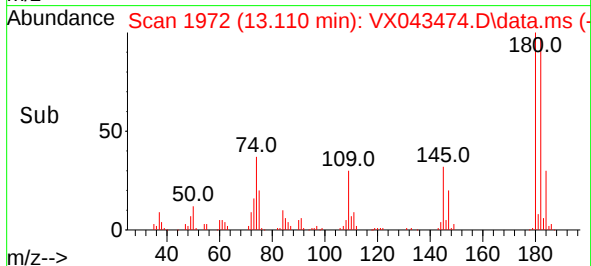
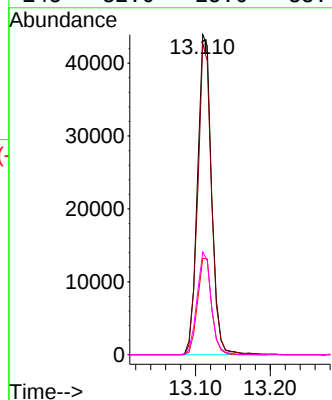
Ion Ratio Lower Upper

180 100

182 94.3 75.4 113.2

184 29.8 23.8 35.8

145 32.0 25.6 38.4



#70

1,2,4-trichlorobenzene

Concen: 53.235 ug/L

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX043474.D

Acq: 22 Oct 2024 09:39

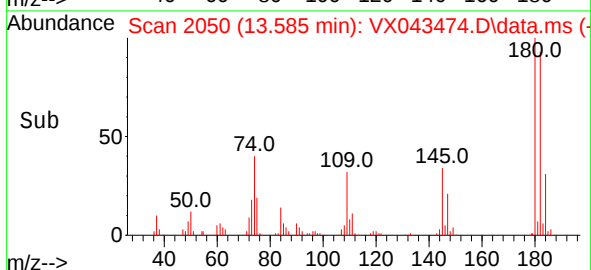
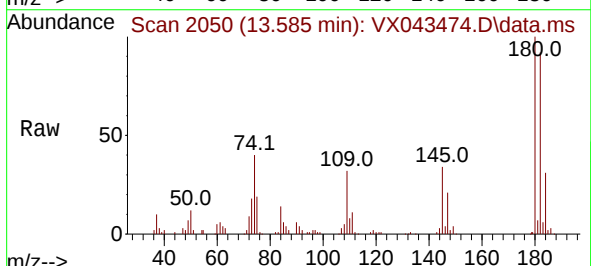
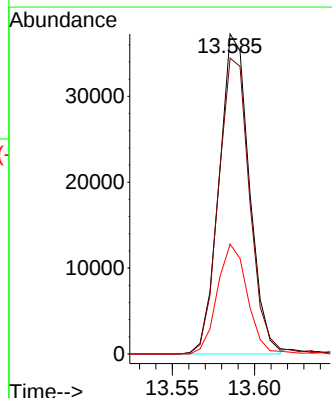
Tgt Ion:180 Resp: 47414

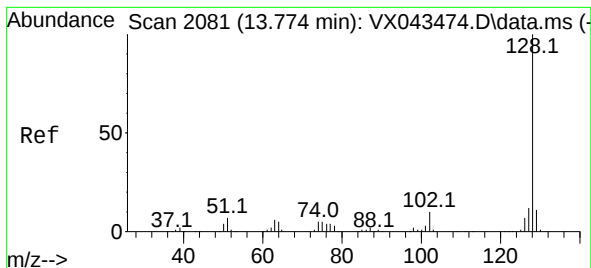
Ion Ratio Lower Upper

180 100

182 96.3 77.0 115.6

145 34.1 27.3 40.9





#71

Naphthalene

Concen: 52.975 ug/L

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX043474.D

Acq: 22 Oct 2024 09:39

Instrument :

MSVOA\_X

ClientSampleId :

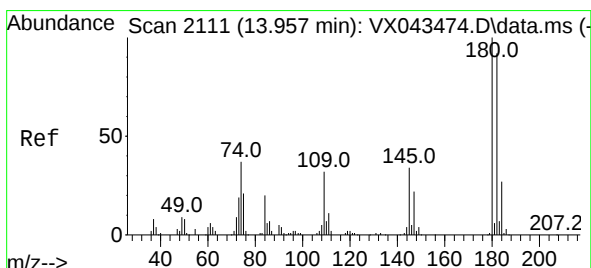
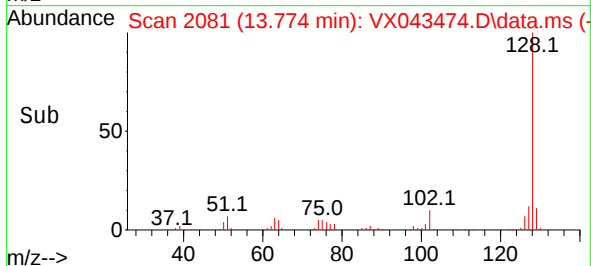
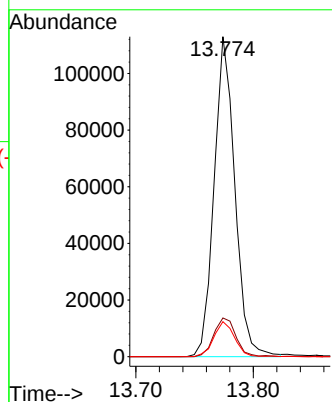
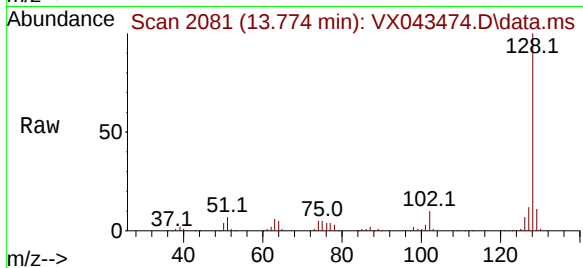
Tgt Ion:128 Resp: 138788

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

129 11.0 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 53.187 ug/L

RT: 13.957 min Scan# 2111

Delta R.T. 0.000 min

Lab File: VX043474.D

Acq: 22 Oct 2024 09:39

Tgt Ion:180 Resp: 47631

Ion Ratio Lower Upper

180 100

182 95.7 76.6 114.8

145 34.8 27.8 41.8

