

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120523\  
 Data File : VX039074.D  
 Acq On : 05 Dec 2023 11:01  
 Operator : JC/MD  
 Sample : VSTD050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Dec 06 02:10:01 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML120523WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Dec 06 02:08:33 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Difluorobenzene        | 6.763  | 114  | 267376   | 50.000  | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 10.055 | 117  | 249992   | 50.000  | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.018 | 152  | 124585   | 50.000  | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 4) Vinyl Chloride-d3          | 1.368  | 65   | 102986   | 49.108  | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 1.666  | 69   | 76935    | 49.632  | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.306  | 65   | 45669    | 49.609  | ug/L  | 0.00     |
| 21) 2-Butanone-d5             | 4.446  | 46   | 190905   | 100.564 | ug/L  | 0.00     |
| 24) Chloroform-d              | 5.056  | 84   | 185372   | 49.933  | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.952  | 65   | 115472   | 48.027  | ug/L  | 0.00     |
| 32) Benzene-d6                | 5.970  | 84   | 382661   | 49.598  | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 7.306  | 67   | 121419   | 48.902  | ug/L  | 0.00     |
| 41) Toluene-d8                | 8.647  | 98   | 343685   | 49.155  | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 8.945  | 79   | 61962    | 49.039  | ug/L  | 0.00     |
| 47) 2-Hexanone-d5             | 9.378  | 63   | 149622   | 100.893 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 11.189 | 84   | 175483   | 49.821  | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 12.317 | 152  | 117478   | 49.887  | ug/L  | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.166  | 85   | 110030   | 51.602  | ug/L  | 100      |
| 3) Chloromethane              | 1.294  | 50   | 114396   | 51.329  | ug/L  | 100      |
| 5) Vinyl chloride             | 1.374  | 62   | 113963   | 51.883  | ug/L  | 100      |
| 6) Bromomethane               | 1.605  | 94   | 67009    | 56.518  | ug/L  | 100      |
| 8) Chloroethane               | 1.691  | 64   | 63858    | 51.424  | ug/L  | 100      |
| 9) Trichlorofluoromethane     | 1.892  | 101  | 149175   | 52.402  | ug/L  | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.331  | 101  | 96898    | 52.915  | ug/L  | 100      |
| 12) 1,1-Dichloroethene        | 2.319  | 96   | 90026    | 52.266  | ug/L  | 100      |
| 13) Acetone                   | 2.373  | 43   | 189033   | 103.655 | ug/L  | 100      |
| 14) Carbon disulfide          | 2.514  | 76   | 285198   | 52.033  | ug/L  | 100      |
| 15) Methyl Acetate            | 2.697  | 43   | 137664   | 52.812  | ug/L  | 100      |
| 16) Methylene chloride        | 2.788  | 84   | 102392   | 51.739  | ug/L  | 100      |
| 17) trans-1,2-Dichloroethene  | 3.093  | 96   | 95206    | 52.459  | ug/L  | 100      |
| 18) Methyl tert-butyl Ether   | 3.111  | 73   | 325489   | 51.524  | ug/L  | 100      |
| 19) 1,1-Dichloroethane        | 3.611  | 63   | 186969   | 52.102  | ug/L  | 100      |
| 20) cis-1,2-Dichloroethene    | 4.483  | 96   | 109998   | 52.255  | ug/L  | 100      |
| 22) 2-Butanone                | 4.550  | 43   | 235923   | 105.411 | ug/L  | 100      |
| 23) Bromochloromethane        | 4.897  | 128  | 51328    | 51.871  | ug/L  | 100      |
| 25) Chloroform                | 5.093  | 83   | 185569   | 51.846  | ug/L  | 100      |
| 27) 1,2-Dichloroethane        | 6.086  | 62   | 146366   | 51.811  | ug/L  | 100      |
| 29) Cyclohexane               | 5.470  | 56   | 181972   | 52.035  | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane     | 5.379  | 97   | 159158   | 52.472  | ug/L  | 100      |
| 31) Carbon tetrachloride      | 5.678  | 117  | 134165   | 53.016  | ug/L  | 100      |
| 33) Benzene                   | 6.037  | 78   | 415174   | 52.259  | ug/L  | 100      |
| 34) Trichloroethene           | 7.123  | 95   | 109949   | 52.368  | ug/L  | 100      |
| 35) Methylcyclohexane         | 7.379  | 83   | 183092   | 52.361  | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 7.427  | 63   | 115938   | 52.620  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.818  | 83   | 140760   | 52.525  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 8.366  | 75   | 184352   | 52.460  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 8.567  | 43   | 388832   | 105.296 | ug/L  | 100      |
| 42) Toluene                   | 8.714  | 91   | 439756   | 52.199  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 8.976  | 75   | 171183   | 52.493  | ug/L  | 100      |

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 Sample : VSTD050  
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 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Dec 06 02:10:01 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML120523WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Dec 06 02:08:33 2023  
 Response via : Initial Calibration

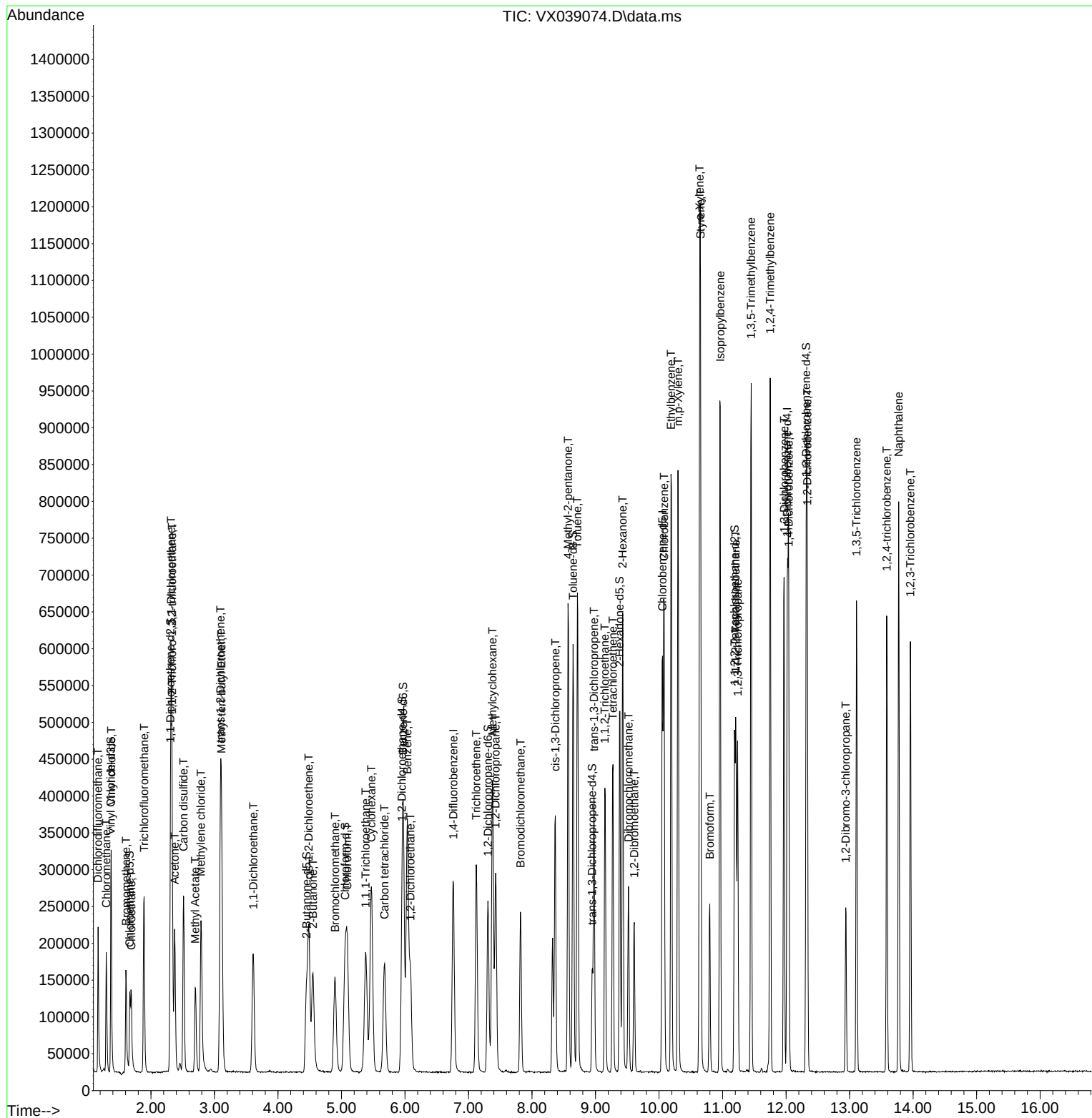
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| 45) 1,1,2-Trichloroethane     | 9.147  | 97   | 105269   | 52.135  | ug/L  | 100      |
| 46) Tetrachloroethene         | 9.275  | 164  | 72167    | 52.106  | ug/L  | 100      |
| 48) 2-Hexanone                | 9.427  | 43   | 328969   | 106.440 | ug/L  | 100      |
| 49) Dibromochloromethane      | 9.519  | 129  | 104135   | 52.938  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 9.610  | 107  | 113020   | 52.246  | ug/L  | 100      |
| 51) Chlorobenzene             | 10.079 | 112  | 271025   | 52.082  | ug/L  | 100      |
| 52) Ethylbenzene              | 10.189 | 91   | 493149   | 52.361  | ug/L  | 100      |
| 53) m,p-Xylene                | 10.299 | 106  | 184605   | 52.424  | ug/L  | 100      |
| 54) o-Xylene                  | 10.640 | 106  | 178304   | 52.769  | ug/L  | 100      |
| 55) Styrene                   | 10.652 | 104  | 306323   | 52.983  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 11.207 | 83   | 182786   | 51.871  | ug/L  | 100      |
| 59) Bromoform                 | 10.799 | 173  | 76462    | 52.221  | ug/L  | 100      |
| 60) Isopropylbenzene          | 10.963 | 105  | 482995   | 53.056  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 11.238 | 75   | 142924   | 52.369  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 405235   | 52.726  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 396177   | 52.570  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.969 | 146  | 205444   | 52.725  | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 12.042 | 146  | 203502   | 51.540  | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 12.335 | 146  | 194192   | 52.100  | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.939 | 75   | 44850    | 52.656  | ug/L  | 100      |
| 69) 1,3,5-Trichlorobenzene    | 13.109 | 180  | 136638   | 53.025  | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.585 | 180  | 126960   | 52.263  | ug/L  | 100      |
| 71) Naphthalene               | 13.774 | 128  | 440306   | 52.850  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 123641   | 52.565  | ug/L  | 100      |
| -----                         |        |      |          |         |       |          |

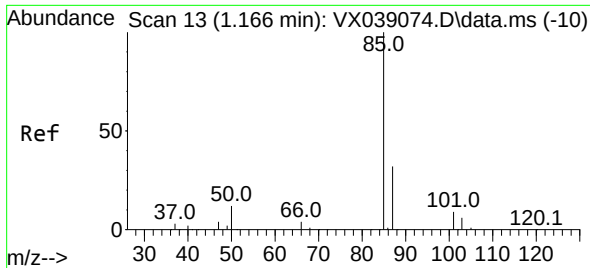
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 Quant Title : VOC Analysis  
 QLast Update : Wed Dec 06 02:08:33 2023  
 Response via : Initial Calibration

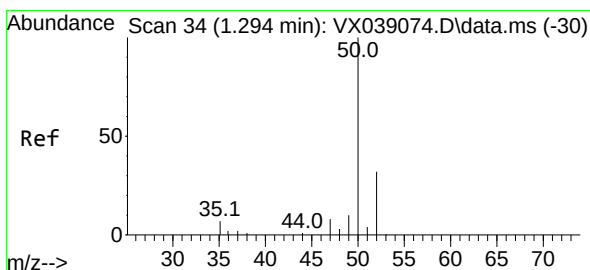
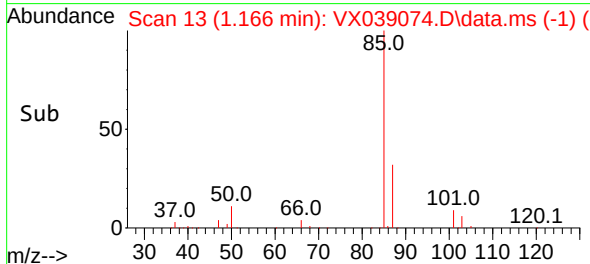
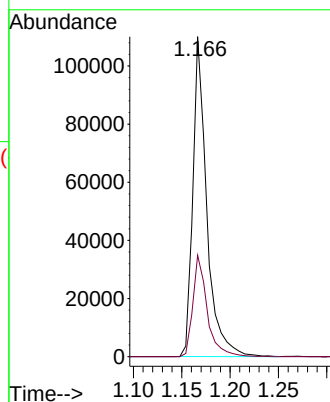
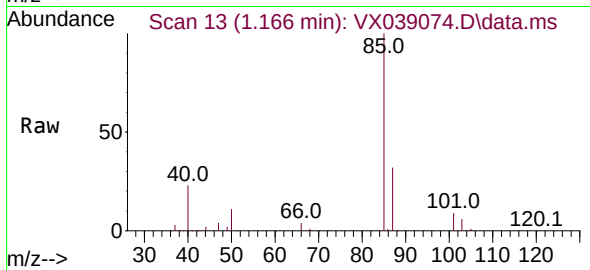




#2  
 Dichlorodifluoromethane  
 Concen: 51.602 ug/L  
 RT: 1.166 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX039074.D  
 Acq: 05 Dec 2023 11:01

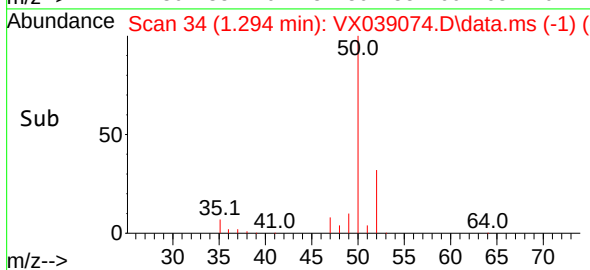
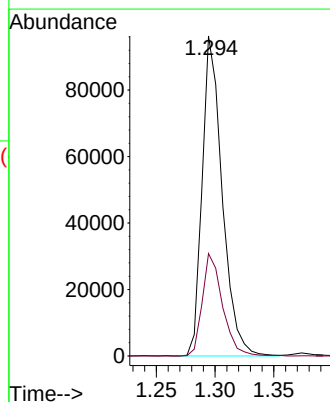
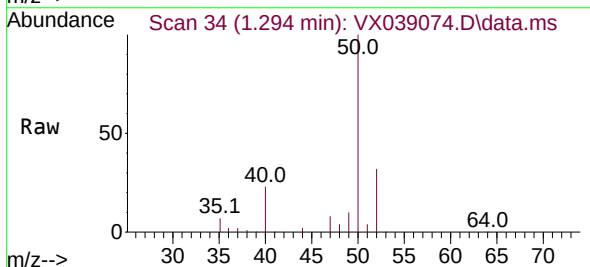
Instrument :  
 MSVOA\_X  
 ClientSampleId :

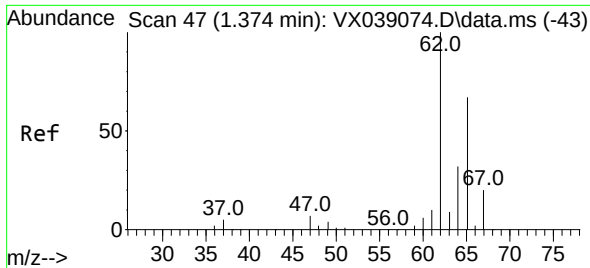
Tgt Ion: 85 Resp: 110030  
 Ion Ratio Lower Upper  
 85 100  
 87 32.8 26.2 39.4



#3  
 Chloromethane  
 Concen: 51.329 ug/L  
 RT: 1.294 min Scan# 34  
 Delta R.T. 0.000 min  
 Lab File: VX039074.D  
 Acq: 05 Dec 2023 11:01

Tgt Ion: 50 Resp: 114396  
 Ion Ratio Lower Upper  
 50 100  
 52 32.0 22.4 41.6

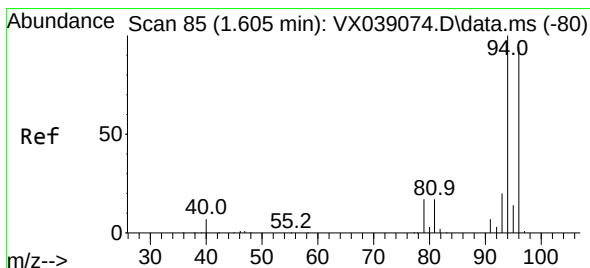
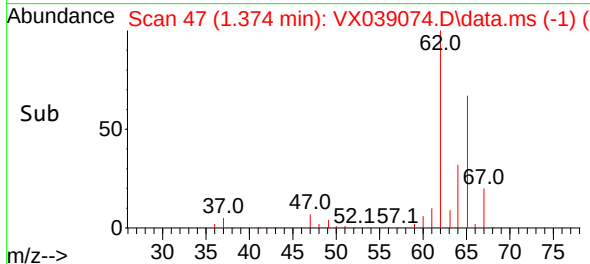
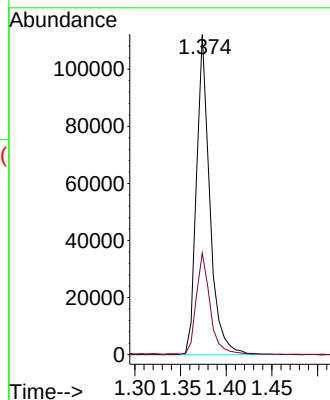
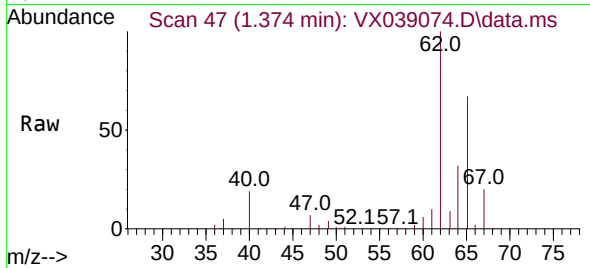




#5  
 Vinyl chloride  
 Concen: 51.883 ug/L  
 RT: 1.374 min Scan# 41  
 Delta R.T. 0.000 min  
 Lab File: VX039074.D  
 Acq: 05 Dec 2023 11:01

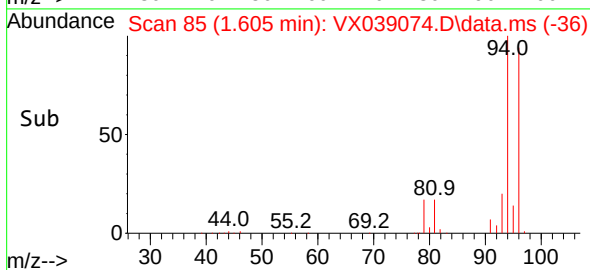
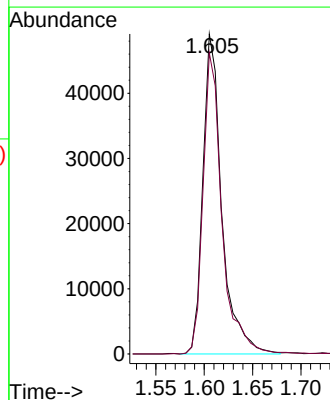
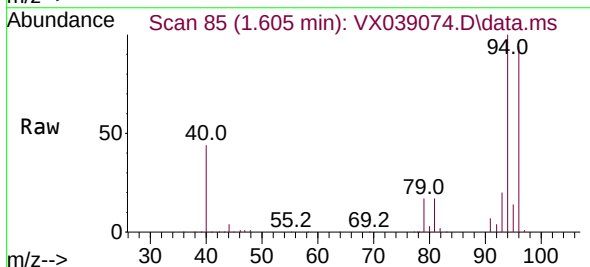
Instrument :  
 MSVOA\_X  
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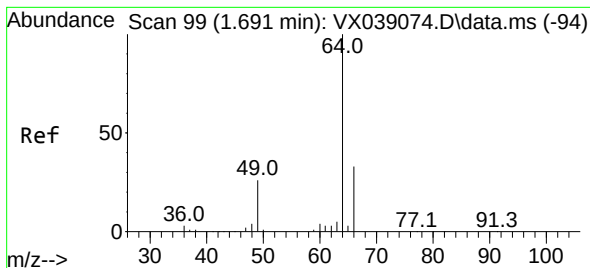
Tgt Ion: 62 Resp: 113963  
 Ion Ratio Lower Upper  
 62 100  
 64 31.8 22.3 41.3



#6  
 Bromomethane  
 Concen: 56.518 ug/L  
 RT: 1.605 min Scan# 85  
 Delta R.T. 0.000 min  
 Lab File: VX039074.D  
 Acq: 05 Dec 2023 11:01

Tgt Ion: 94 Resp: 67009  
 Ion Ratio Lower Upper  
 94 100  
 96 94.0 65.8 122.2





#8

Chloroethane

Concen: 51.424 ug/L

RT: 1.691 min Scan# 99

Delta R.T. 0.000 min

Lab File: VX039074.D

Acq: 05 Dec 2023 11:01

Instrument :

MSVOA\_X

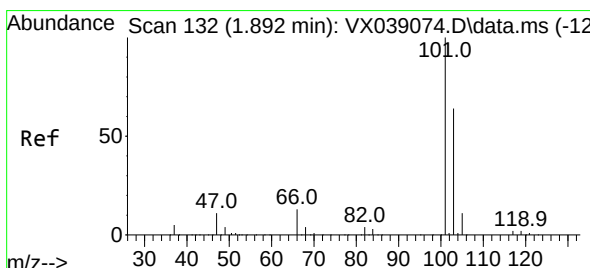
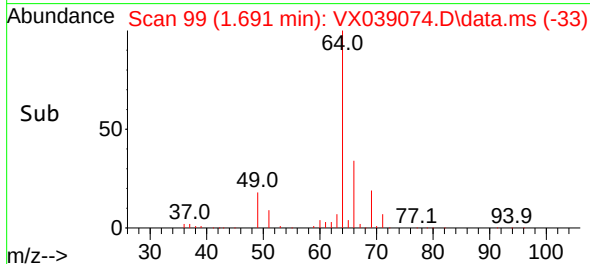
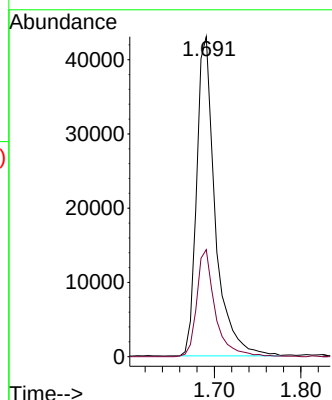
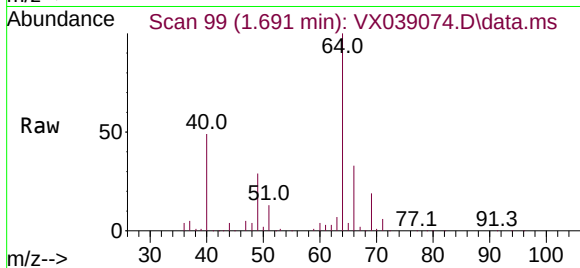
ClientSampleId :

Tgt Ion: 64 Resp: 63858

Ion Ratio Lower Upper

64 100

66 33.5 23.4 43.6



#9

Trichlorofluoromethane

Concen: 52.402 ug/L

RT: 1.892 min Scan# 132

Delta R.T. 0.000 min

Lab File: VX039074.D

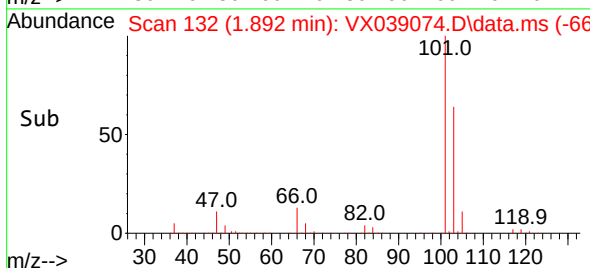
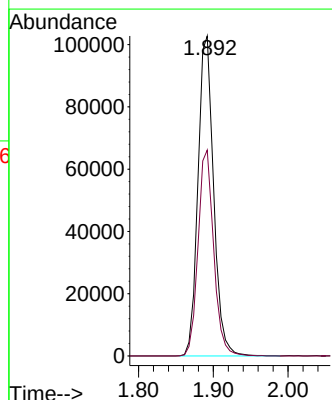
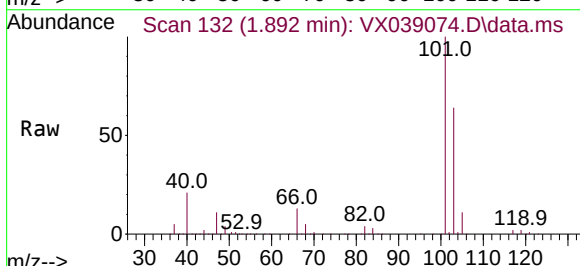
Acq: 05 Dec 2023 11:01

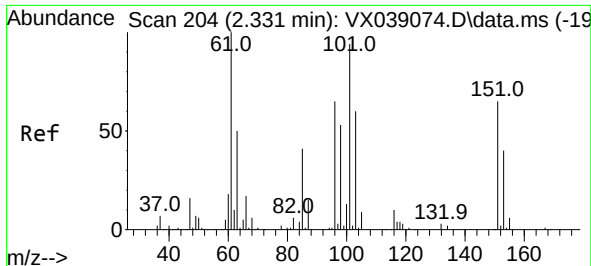
Tgt Ion:101 Resp: 149175

Ion Ratio Lower Upper

101 100

103 64.3 51.4 77.2

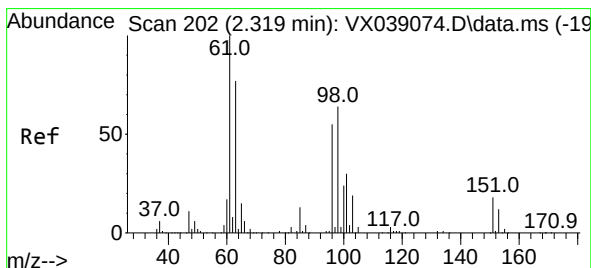
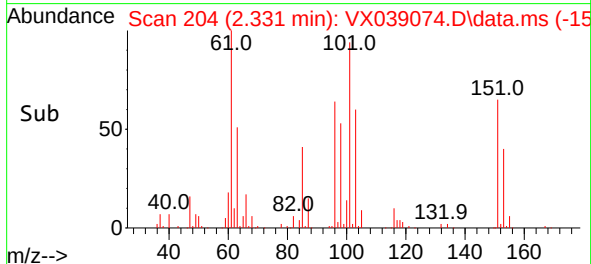
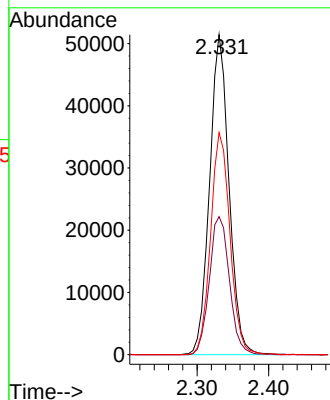
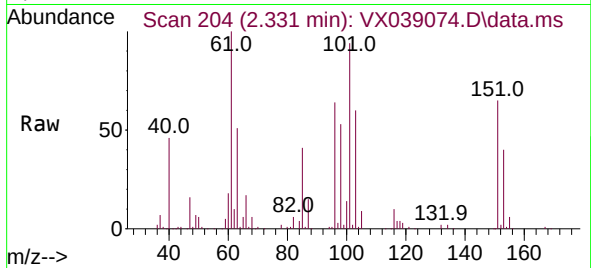




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 52.915 ug/L  
 RT: 2.331 min Scan# 204  
 Delta R.T. 0.000 min  
 Lab File: VX039074.D  
 Acq: 05 Dec 2023 11:01

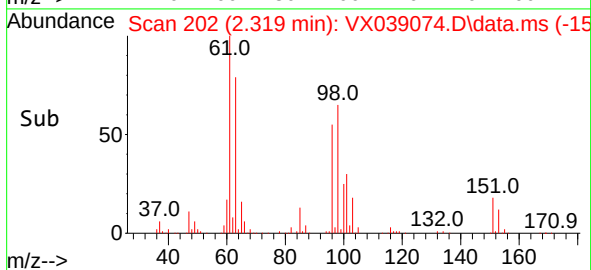
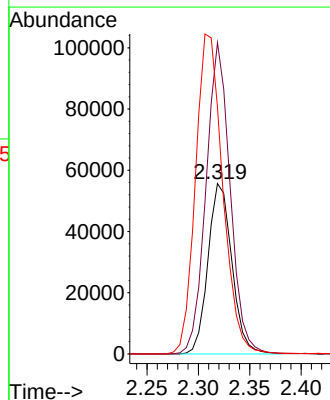
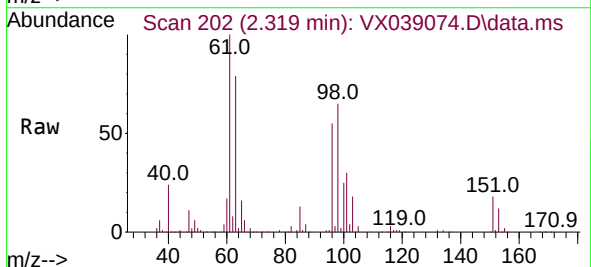
Instrument :  
 MSVOA\_X  
 ClientSampleId :

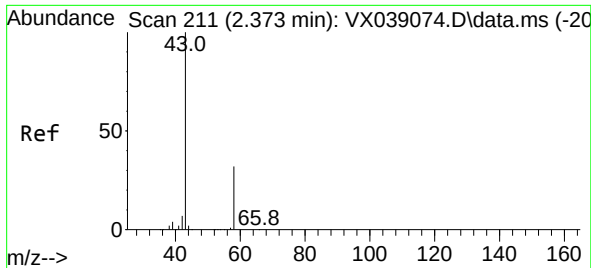
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|----------|-------|-------|-------|
| Tgt Ion: | 101   | Resp: | 96898 |
| Ion      | Ratio | Lower | Upper |
| 101      | 100   |       |       |
| 85       | 44.7  | 35.8  | 53.6  |
| 151      | 69.3  | 55.4  | 83.2  |



#12  
 1,1-Dichloroethene  
 Concen: 52.266 ug/L  
 RT: 2.319 min Scan# 202  
 Delta R.T. 0.000 min  
 Lab File: VX039074.D  
 Acq: 05 Dec 2023 11:01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 90026 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 182.8 | 128.0 | 237.6 |
| 63       | 145.0 | 101.5 | 188.5 |

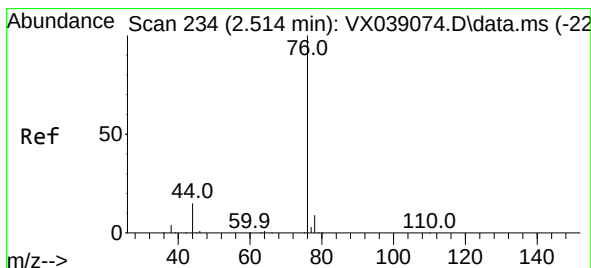
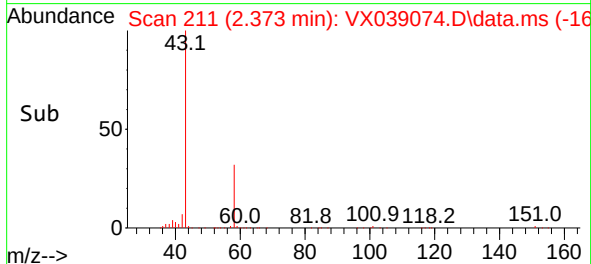
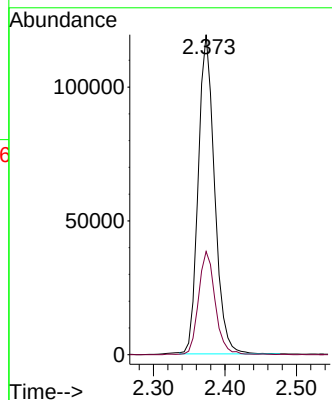
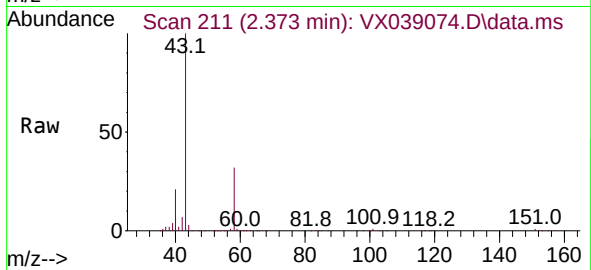




#13  
Acetone  
Concen: 103.655 ug/L  
RT: 2.373 min Scan# 211  
Delta R.T. 0.000 min  
Lab File: VX039074.D  
Acq: 05 Dec 2023 11:01

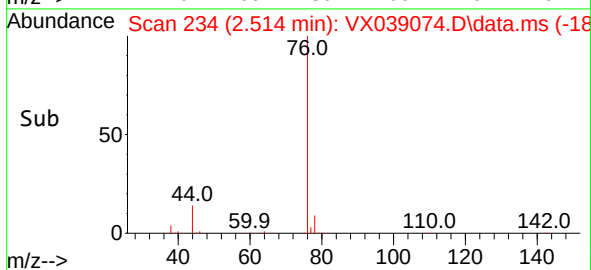
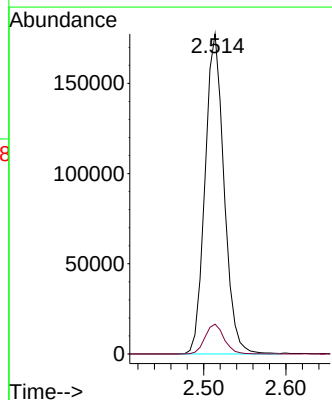
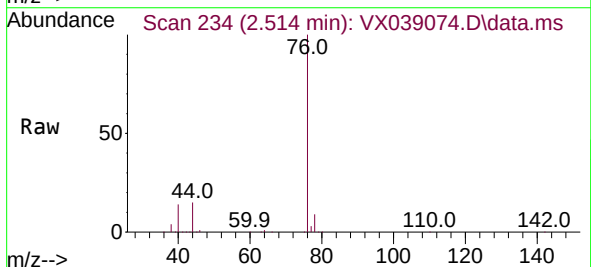
Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion: 43 Resp: 189033  
Ion Ratio Lower Upper  
43 100  
58 32.9 0.0 65.8

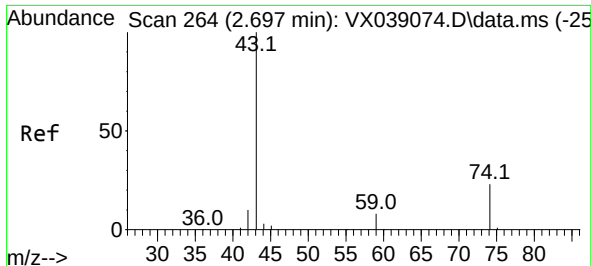


#14  
Carbon disulfide  
Concen: 52.033 ug/L  
RT: 2.514 min Scan# 234  
Delta R.T. 0.000 min  
Lab File: VX039074.D  
Acq: 05 Dec 2023 11:01

Tgt Ion: 76 Resp: 285198  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.4 11.2



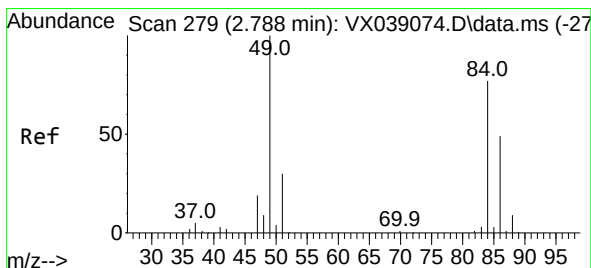
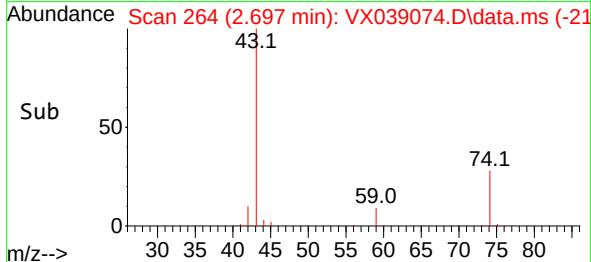
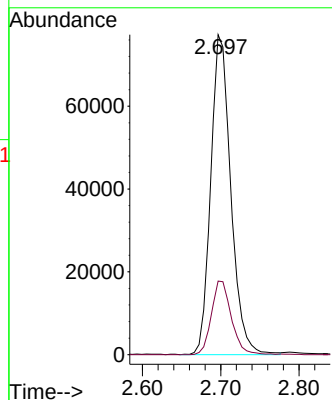
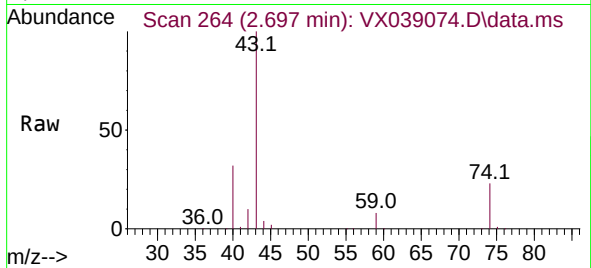




#15  
Methyl Acetate  
Concen: 52.812 ug/L  
RT: 2.697 min Scan# 264  
Delta R.T. 0.000 min  
Lab File: VX039074.D  
Acq: 05 Dec 2023 11:01

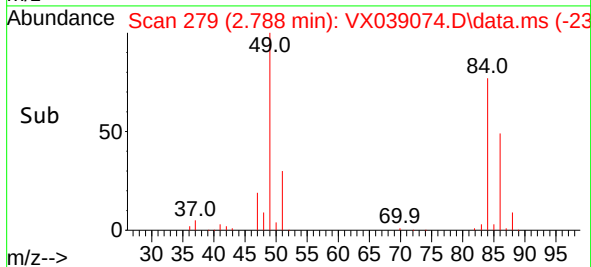
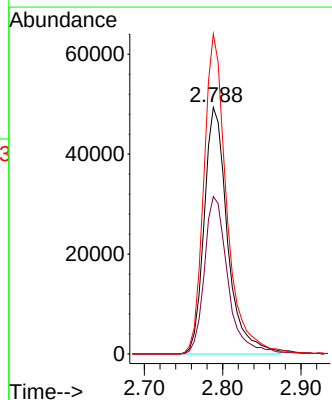
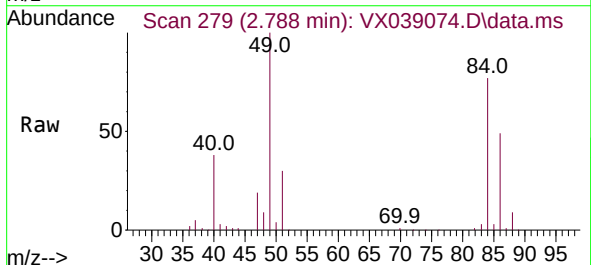
Instrument :  
MSVOA\_X  
ClientSampleId :

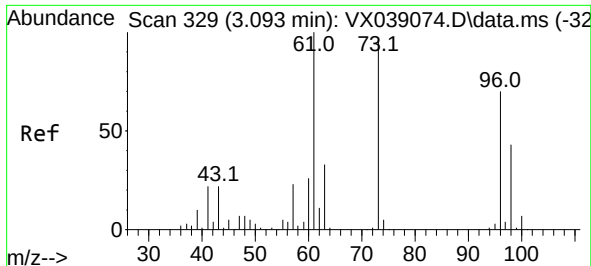
Tgt Ion: 43 Resp: 137664  
Ion Ratio Lower Upper  
43 100  
74 22.8 18.2 27.4



#16  
Methylene chloride  
Concen: 51.739 ug/L  
RT: 2.788 min Scan# 279  
Delta R.T. 0.000 min  
Lab File: VX039074.D  
Acq: 05 Dec 2023 11:01

Tgt Ion: 84 Resp: 102392  
Ion Ratio Lower Upper  
84 100  
86 63.8 44.7 82.9  
49 129.8 90.9 168.7





#17

trans-1,2-Dichloroethene

Concen: 52.459 ug/L

RT: 3.093 min Scan# 329

Delta R.T. 0.000 min

Lab File: VX039074.D

Acq: 05 Dec 2023 11:01

Instrument :

MSVOA\_X

ClientSampleId :

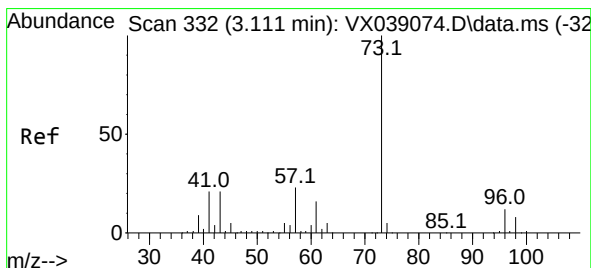
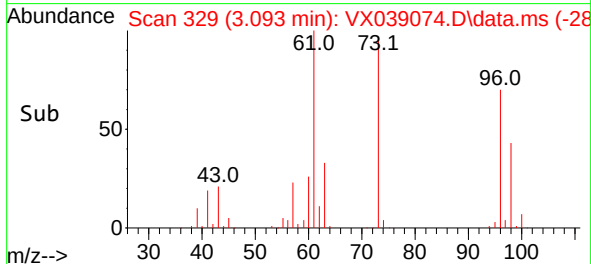
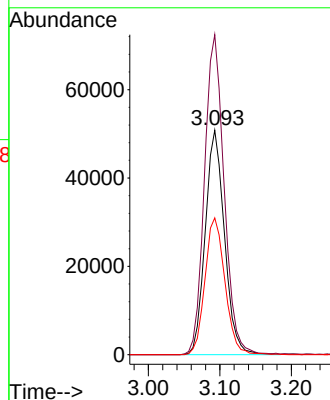
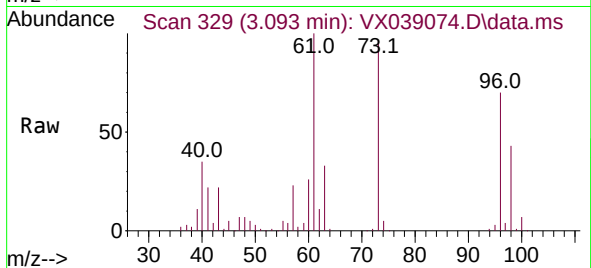
Tgt Ion: 96 Resp: 95206

Ion Ratio Lower Upper

96 100

61 142.5 99.8 185.3

98 60.9 42.6 79.2



#18

Methyl tert-butyl Ether

Concen: 51.524 ug/L

RT: 3.111 min Scan# 332

Delta R.T. 0.000 min

Lab File: VX039074.D

Acq: 05 Dec 2023 11:01

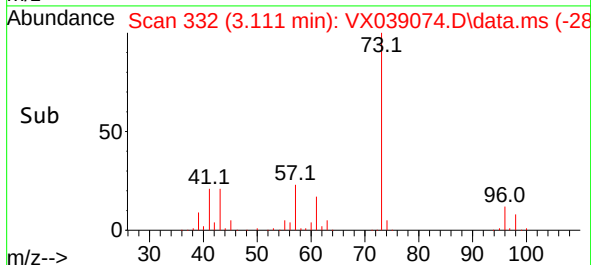
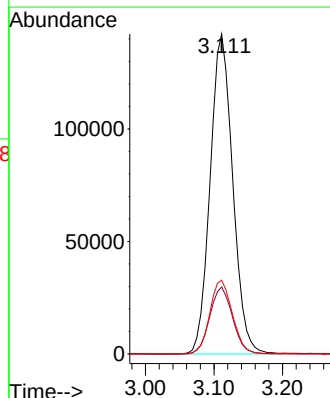
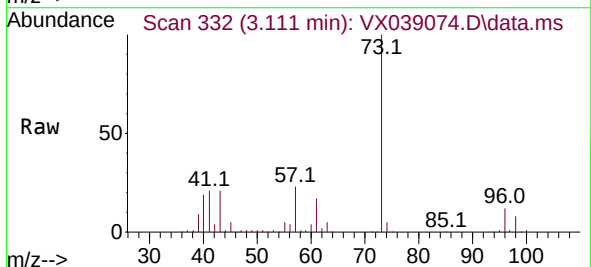
Tgt Ion: 73 Resp: 325489

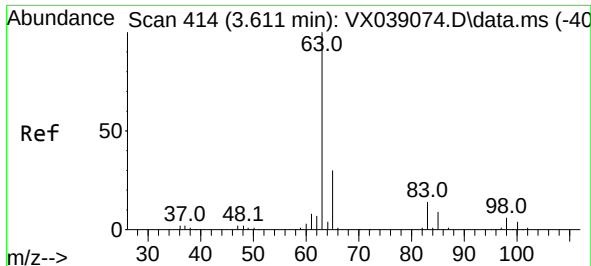
Ion Ratio Lower Upper

73 100

43 21.1 16.9 25.3

57 23.1 18.5 27.7





#19

1,1-Dichloroethane

Concen: 52.102 ug/L

RT: 3.611 min Scan# 414

Delta R.T. 0.000 min

Lab File: VX039074.D

Acq: 05 Dec 2023 11:01

Instrument :

MSVOA\_X

ClientSampleId :

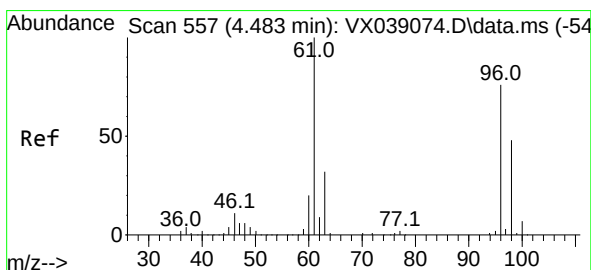
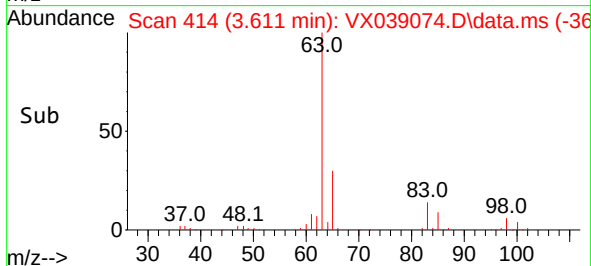
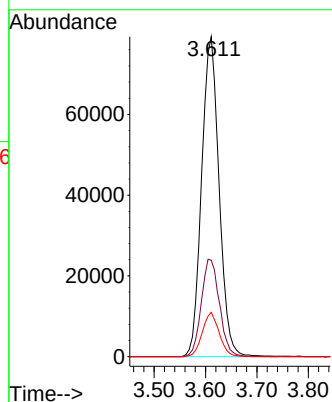
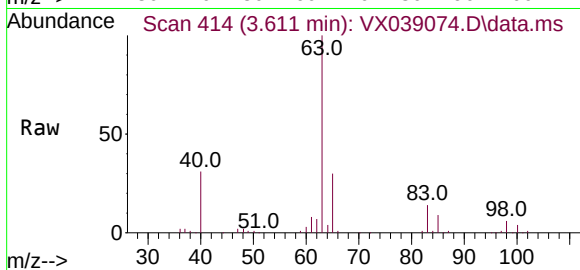
Tgt Ion: 63 Resp: 186969

Ion Ratio Lower Upper

63 100

65 30.2 21.1 39.3

83 13.8 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 52.255 ug/L

RT: 4.483 min Scan# 557

Delta R.T. 0.000 min

Lab File: VX039074.D

Acq: 05 Dec 2023 11:01

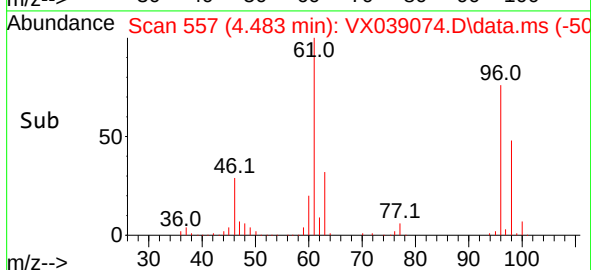
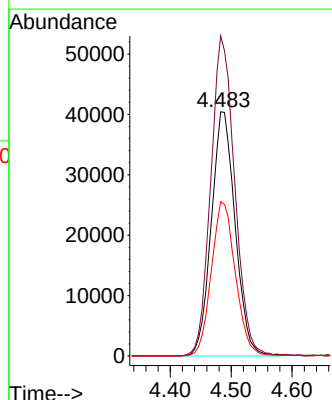
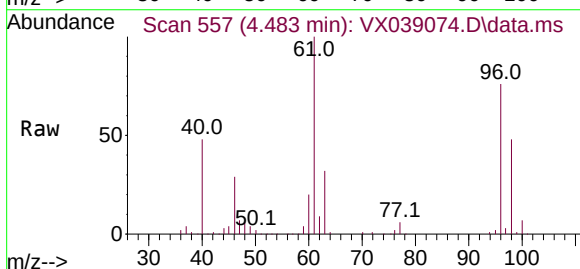
Tgt Ion: 96 Resp: 109998

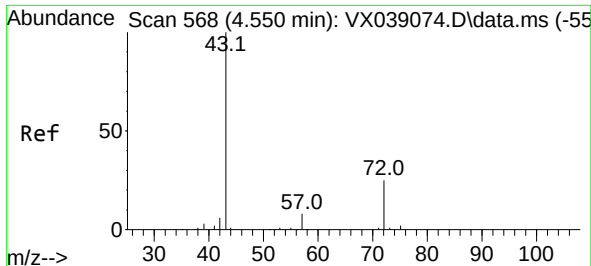
Ion Ratio Lower Upper

96 100

61 131.0 91.7 170.3

98 63.2 44.2 82.2

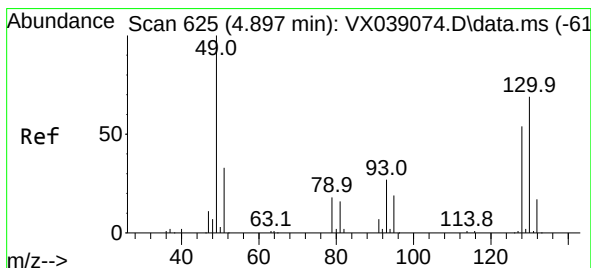
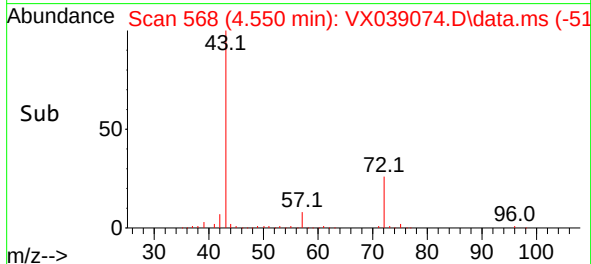
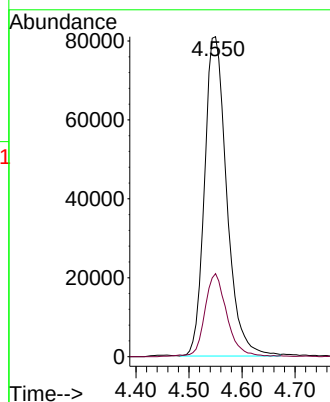
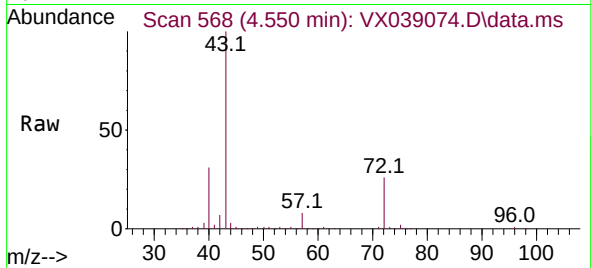




#22  
2-Butanone  
Concen: 105.411 ug/L  
RT: 4.550 min Scan# 568  
Delta R.T. 0.000 min  
Lab File: VX039074.D  
Acq: 05 Dec 2023 11:01

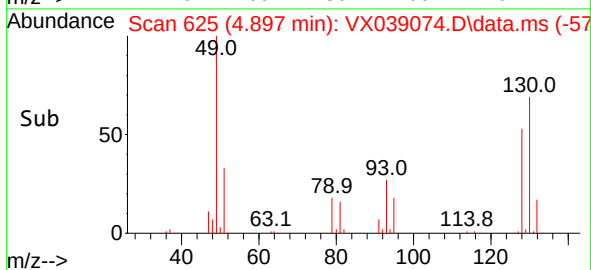
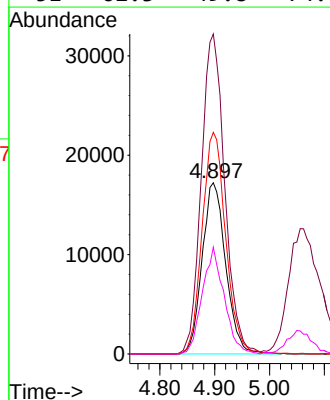
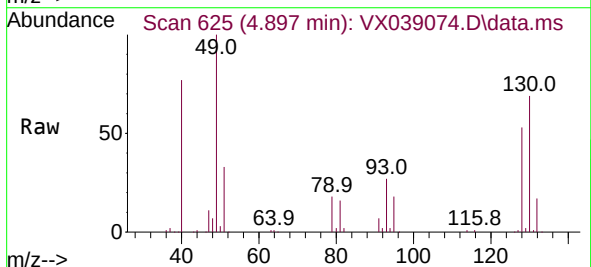
Instrument :  
MSVOA\_X  
ClientSampleId :

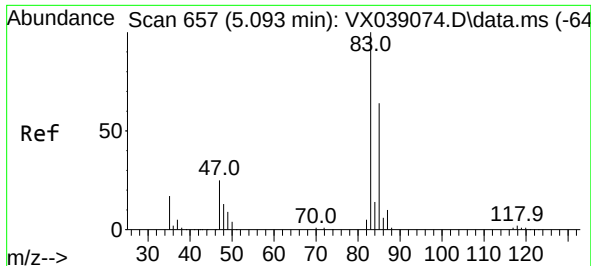
Tgt Ion: 43 Resp: 235923  
Ion Ratio Lower Upper  
43 100  
72 25.1 12.6 37.6



#23  
Bromochloromethane  
Concen: 51.871 ug/L  
RT: 4.897 min Scan# 625  
Delta R.T. 0.000 min  
Lab File: VX039074.D  
Acq: 05 Dec 2023 11:01

Tgt Ion:128 Resp: 51328  
Ion Ratio Lower Upper  
128 100  
49 186.9 130.8 243.0  
130 129.5 90.6 168.3  
51 62.3 49.8 74.8





#25

Chloroform

Concen: 51.846 ug/L

RT: 5.093 min Scan# 61

Delta R.T. 0.000 min

Lab File: VX039074.D

Acq: 05 Dec 2023 11:01

Instrument :

MSVOA\_X

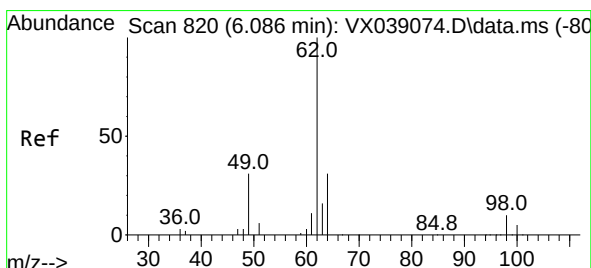
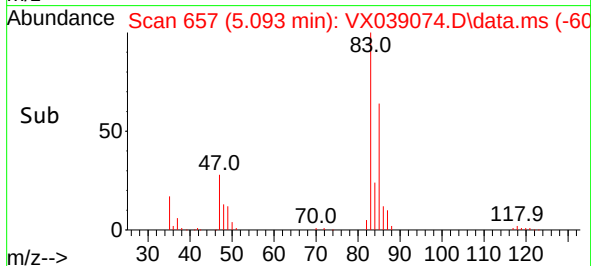
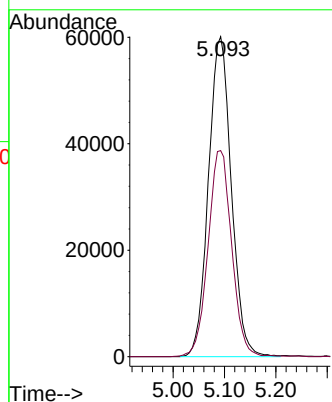
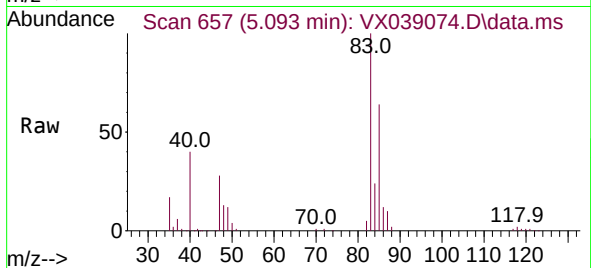
ClientSampleId :

Tgt Ion: 83 Resp: 185569

Ion Ratio Lower Upper

83 100

85 64.4 45.1 83.7



#27

1,2-Dichloroethane

Concen: 51.811 ug/L

RT: 6.086 min Scan# 820

Delta R.T. 0.000 min

Lab File: VX039074.D

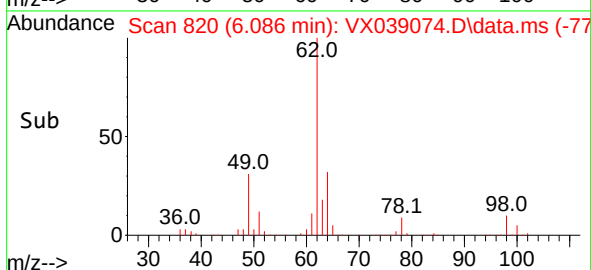
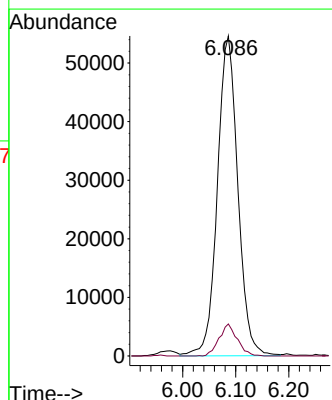
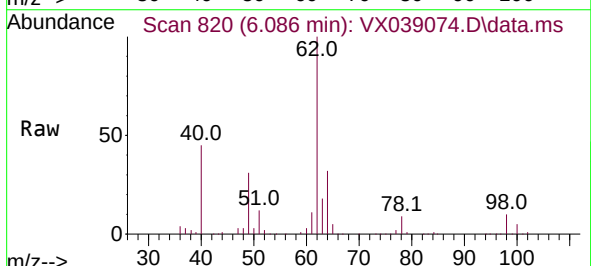
Acq: 05 Dec 2023 11:01

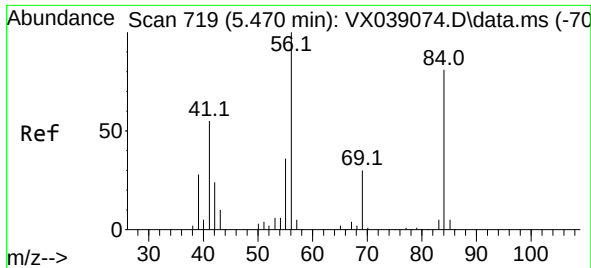
Tgt Ion: 62 Resp: 146366

Ion Ratio Lower Upper

62 100

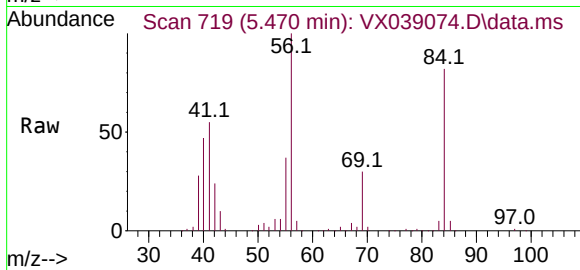
98 10.0 8.0 12.0





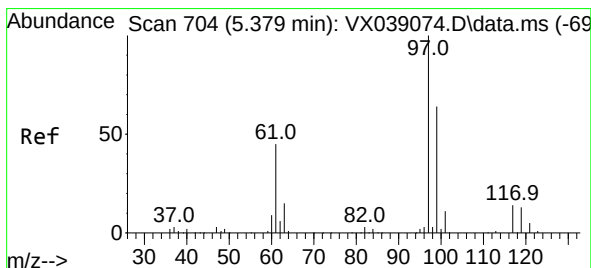
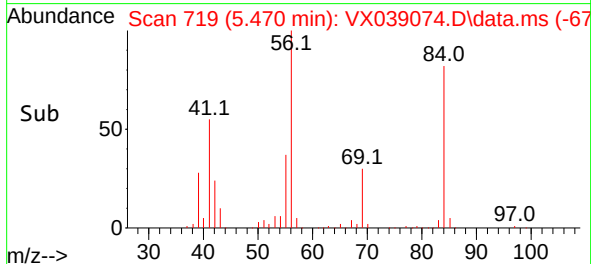
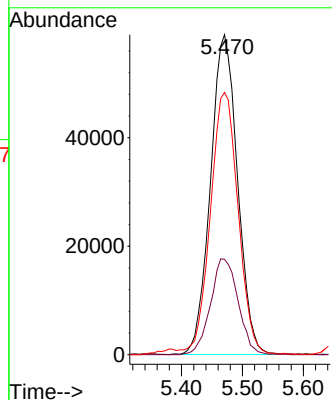
#29  
Cyclohexane  
Concen: 52.035 ug/L  
RT: 5.470 min Scan# 719  
Delta R.T. 0.000 min  
Lab File: VX039074.D  
Acq: 05 Dec 2023 11:01

Instrument :  
MSVOA\_X  
ClientSampleId :



Tgt Ion: 56 Resp: 181972

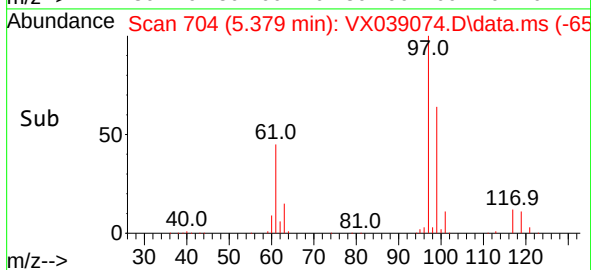
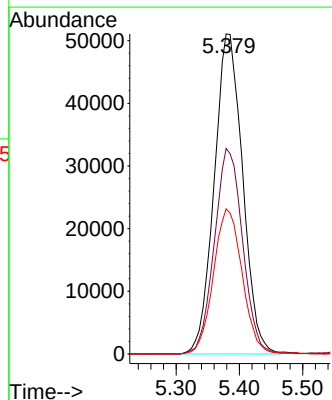
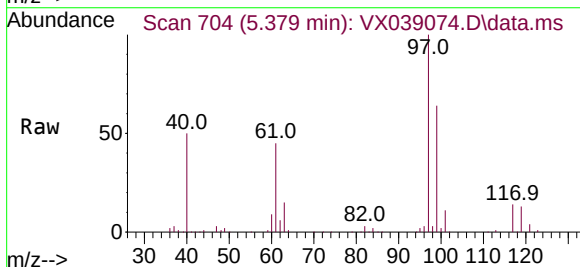
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 30.6  | 24.5  | 36.7  |
| 84  | 83.7  | 67.0  | 100.4 |

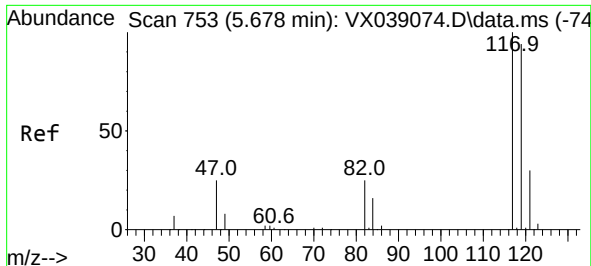


#30  
1,1,1-Trichloroethane  
Concen: 52.472 ug/L  
RT: 5.379 min Scan# 704  
Delta R.T. 0.000 min  
Lab File: VX039074.D  
Acq: 05 Dec 2023 11:01

Tgt Ion: 97 Resp: 159158

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 63.7  | 51.0  | 76.4  |
| 61  | 45.9  | 36.7  | 55.1  |

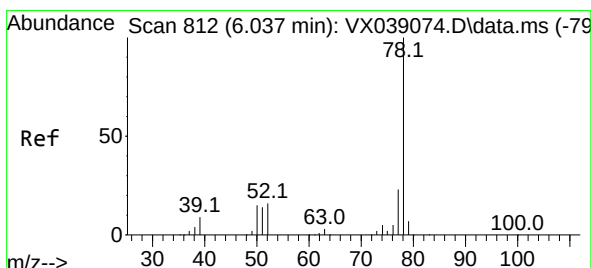
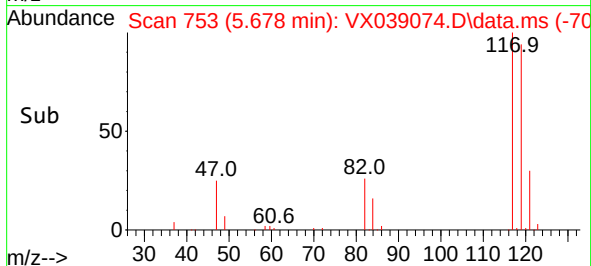
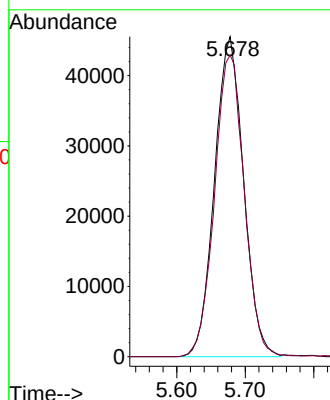
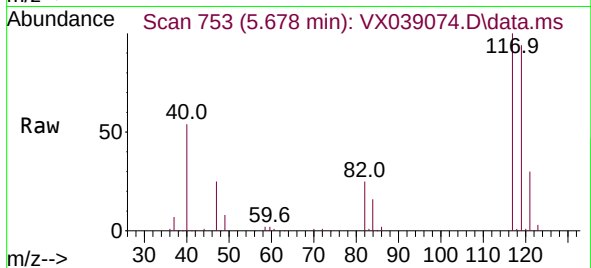




#31  
Carbon tetrachloride  
Concen: 53.016 ug/L  
RT: 5.678 min Scan# 753  
Delta R.T. 0.000 min  
Lab File: VX039074.D  
Acq: 05 Dec 2023 11:01

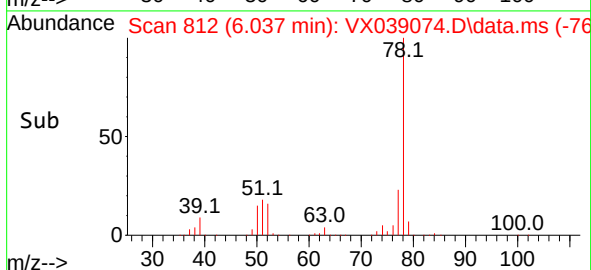
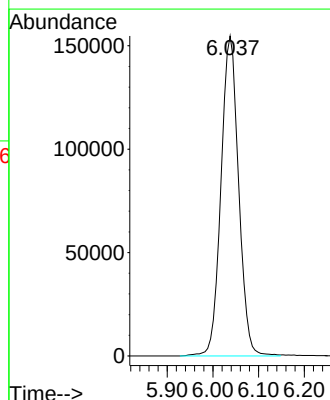
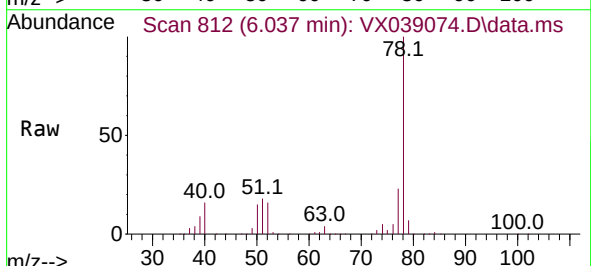
Instrument :  
MSVOA\_X  
ClientSampleId :

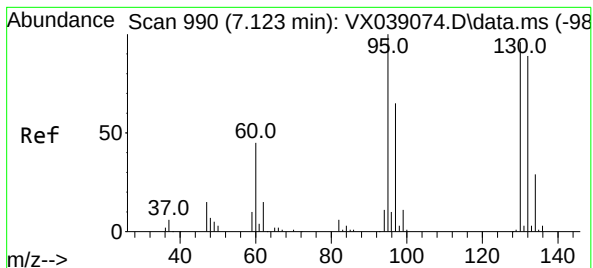
Tgt Ion:117 Resp: 134165  
Ion Ratio Lower Upper  
117 100  
119 96.2 77.0 115.4



#33  
Benzene  
Concen: 52.259 ug/L  
RT: 6.037 min Scan# 812  
Delta R.T. 0.000 min  
Lab File: VX039074.D  
Acq: 05 Dec 2023 11:01

Tgt Ion: 78 Resp: 415174





#34

Trichloroethene

Concen: 52.368 ug/L

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX039074.D

Acq: 05 Dec 2023 11:01

Instrument :

MSVOA\_X

ClientSampleId :

Tgt Ion: 95 Resp: 109949

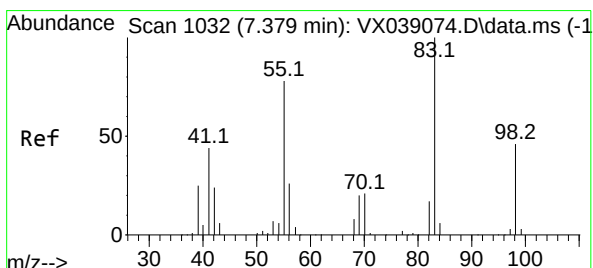
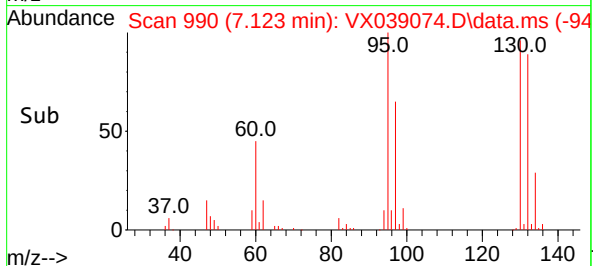
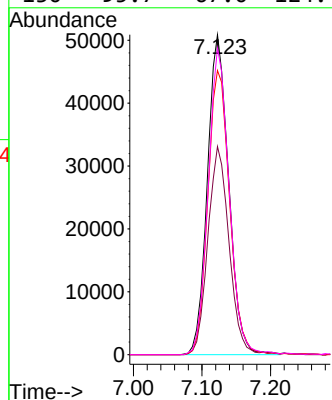
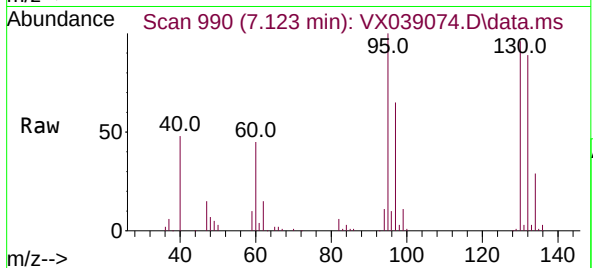
Ion Ratio Lower Upper

95 100

97 65.0 45.5 84.5

132 88.8 62.2 115.4

130 95.7 67.0 124.4



#35

Methylcyclohexane

Concen: 52.361 ug/L

RT: 7.379 min Scan# 1032

Delta R.T. 0.000 min

Lab File: VX039074.D

Acq: 05 Dec 2023 11:01

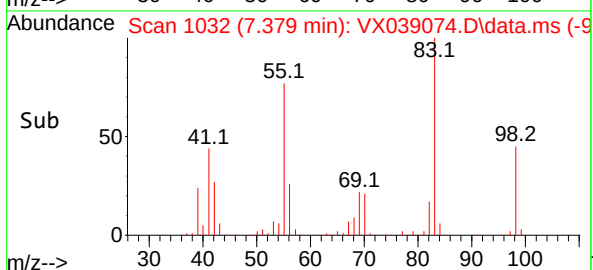
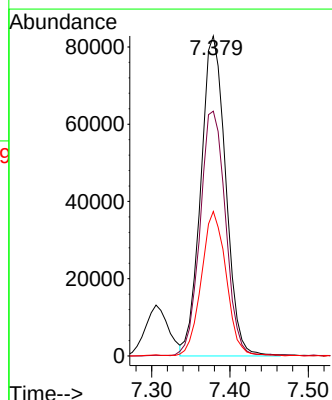
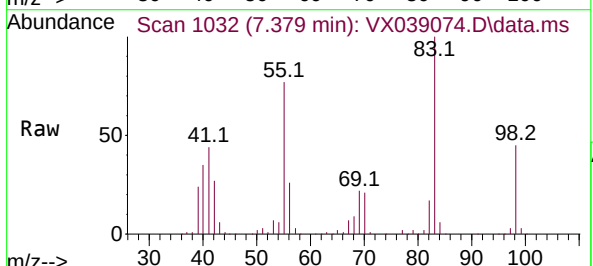
Tgt Ion: 83 Resp: 183092

Ion Ratio Lower Upper

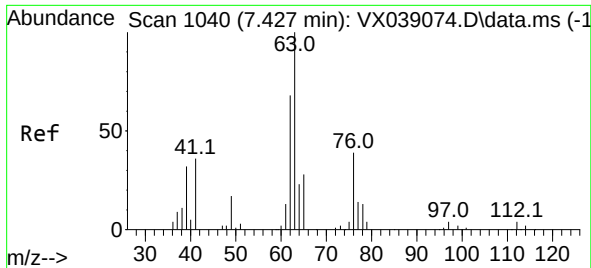
83 100

55 78.1 62.5 93.7

98 45.1 36.1 54.1







#37

1,2-Dichloropropane

Concen: 52.620 ug/L

RT: 7.427 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX039074.D

Acq: 05 Dec 2023 11:01

Instrument :

MSVOA\_X

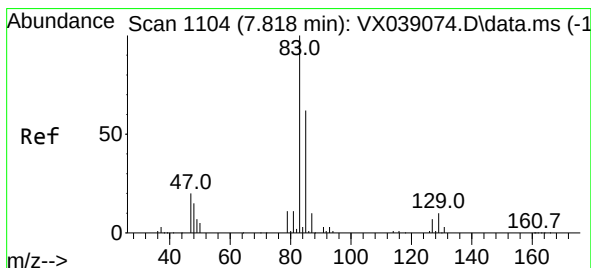
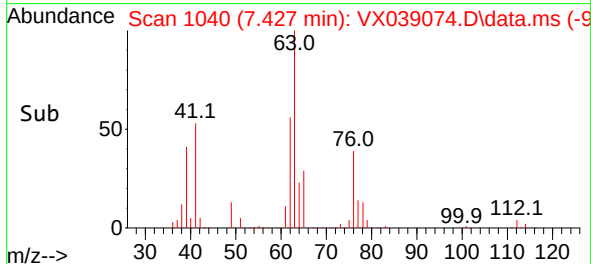
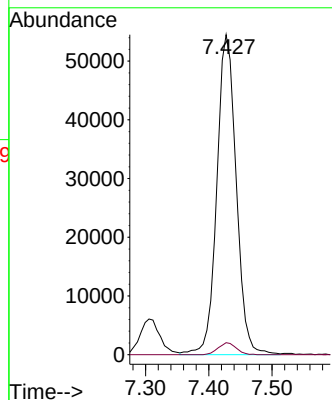
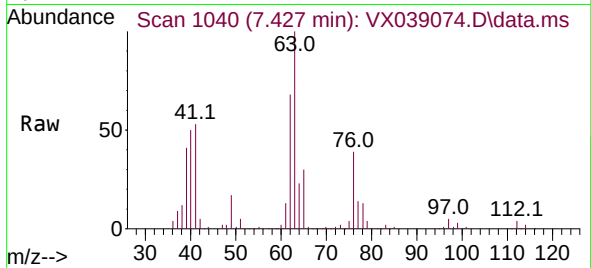
ClientSampleId :

Tgt Ion: 63 Resp: 115938

Ion Ratio Lower Upper

63 100

112 3.5 2.8 4.2



#38

Bromodichloromethane

Concen: 52.525 ug/L

RT: 7.818 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX039074.D

Acq: 05 Dec 2023 11:01

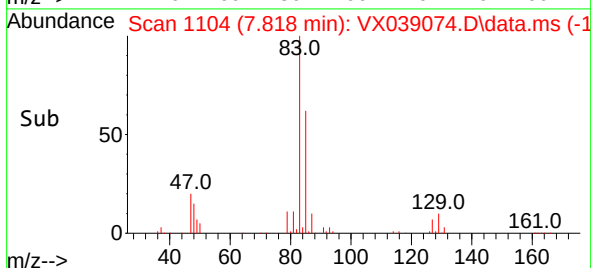
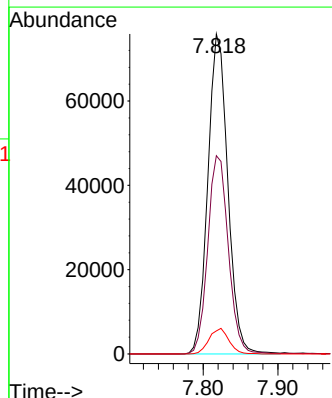
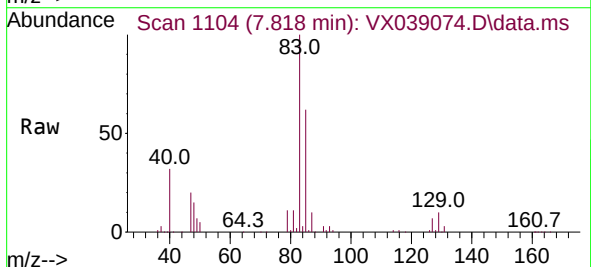
Tgt Ion: 83 Resp: 140760

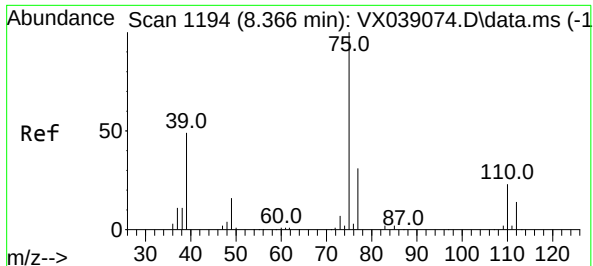
Ion Ratio Lower Upper

83 100

85 61.9 43.3 80.5

127 7.2 5.8 8.6





#39

cis-1,3-Dichloropropene

Concen: 52.460 ug/L

RT: 8.366 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX039074.D

Acq: 05 Dec 2023 11:01

Instrument :

MSVOA\_X

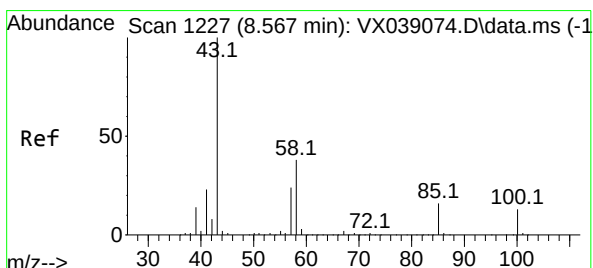
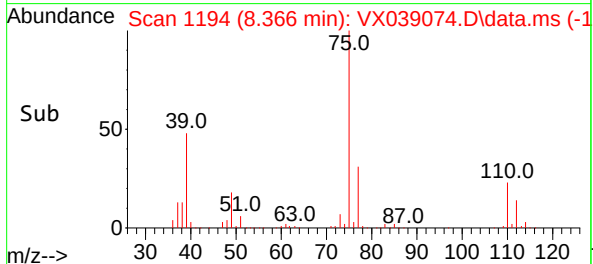
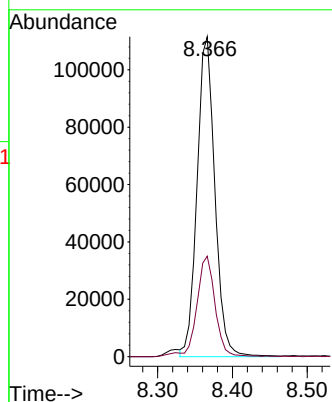
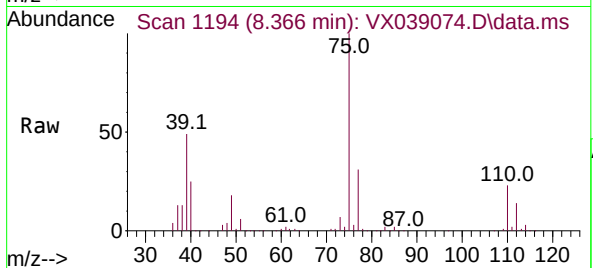
ClientSampleId :

Tgt Ion: 75 Resp: 184352

Ion Ratio Lower Upper

75 100

77 31.4 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 105.296 ug/L

RT: 8.567 min Scan# 1227

Delta R.T. 0.000 min

Lab File: VX039074.D

Acq: 05 Dec 2023 11:01

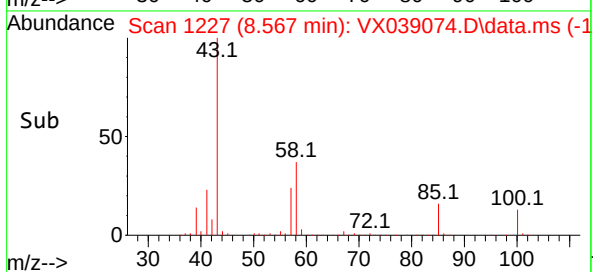
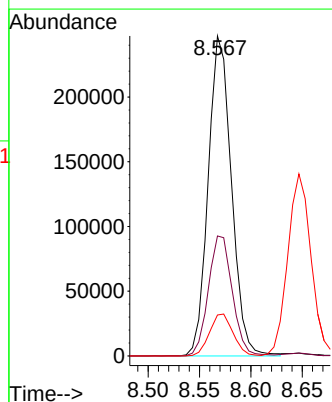
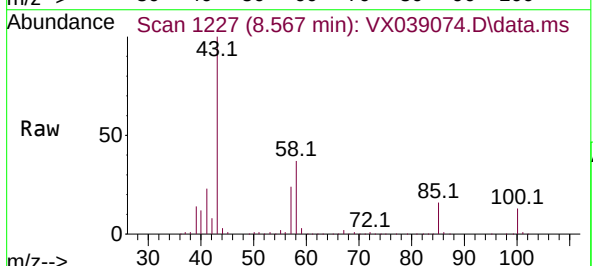
Tgt Ion: 43 Resp: 388832

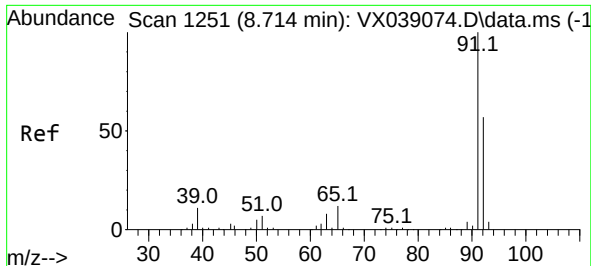
Ion Ratio Lower Upper

43 100

58 38.6 30.9 46.3

100 13.3 10.6 16.0





#42

Toluene

Concen: 52.199 ug/L

RT: 8.714 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VX039074.D

Acq: 05 Dec 2023 11:01

Instrument :

MSVOA\_X

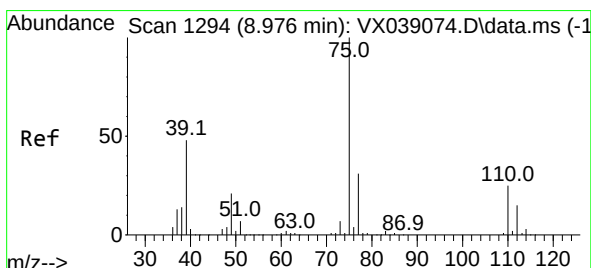
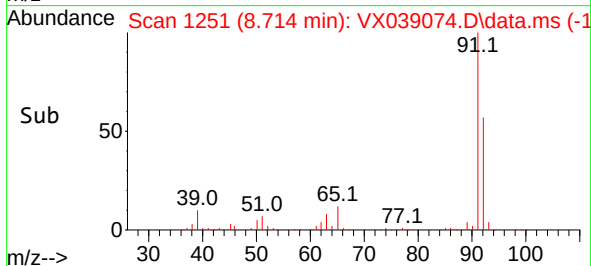
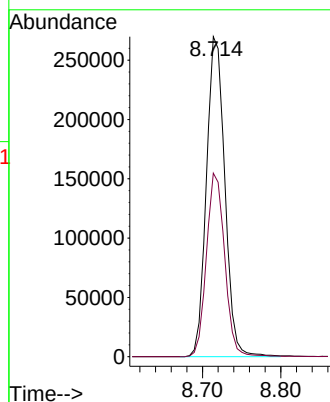
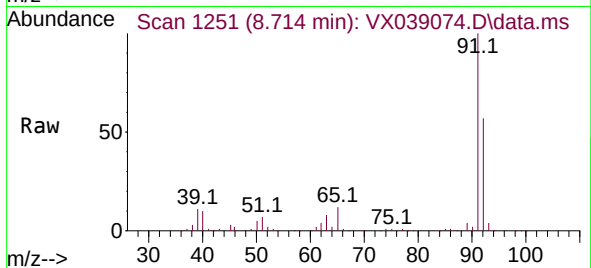
ClientSampleId :

Tgt Ion: 91 Resp: 439756

Ion Ratio Lower Upper

91 100

92 57.4 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 52.493 ug/L

RT: 8.976 min Scan# 1294

Delta R.T. 0.000 min

Lab File: VX039074.D

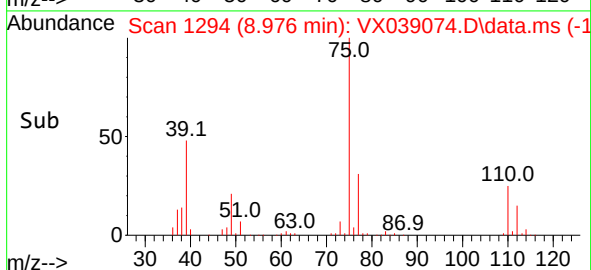
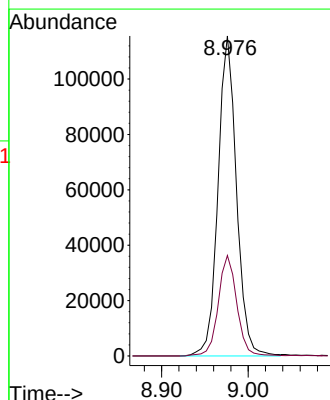
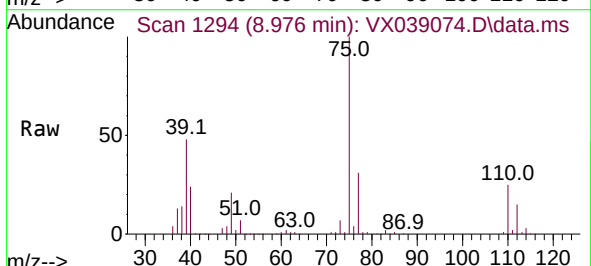
Acq: 05 Dec 2023 11:01

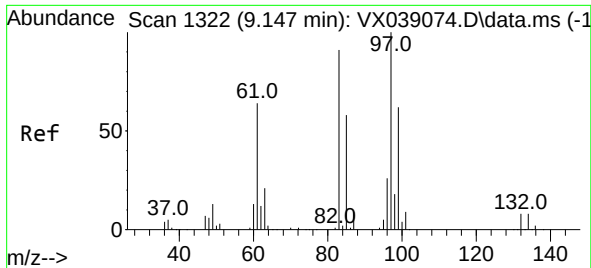
Tgt Ion: 75 Resp: 171183

Ion Ratio Lower Upper

75 100

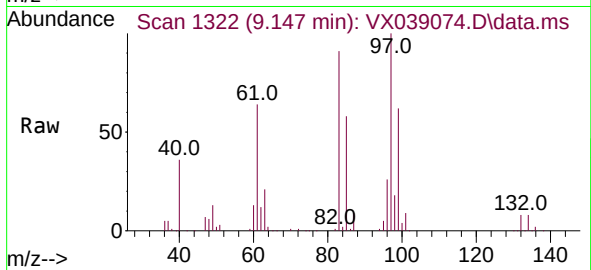
77 31.4 22.0 40.8



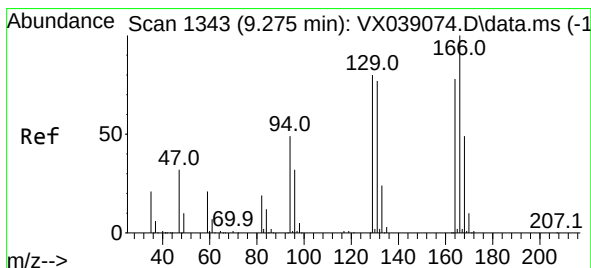
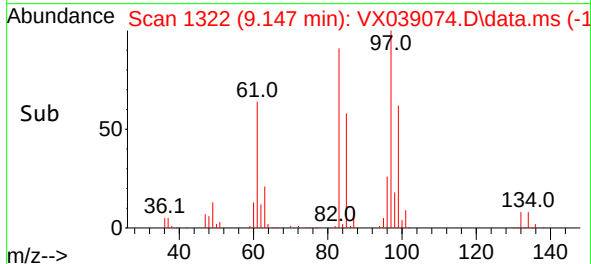
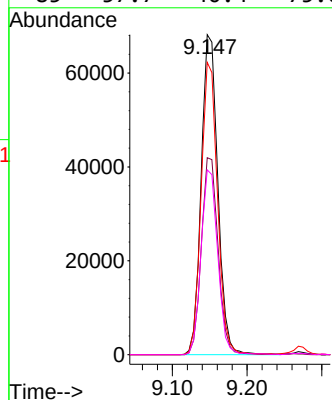


#45  
1,1,2-Trichloroethane  
Concen: 52.135 ug/L  
RT: 9.147 min Scan# 1322  
Delta R.T. 0.000 min  
Lab File: VX039074.D  
Acq: 05 Dec 2023 11:01

Instrument :  
MSVOA\_X  
ClientSampleId :

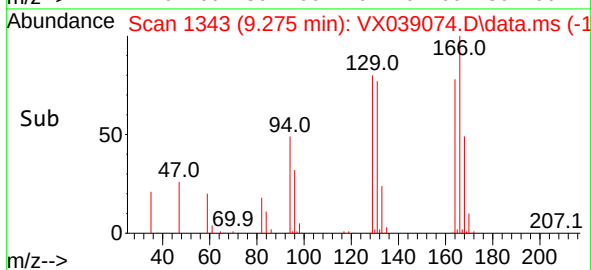
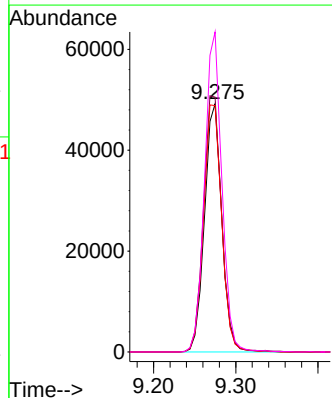
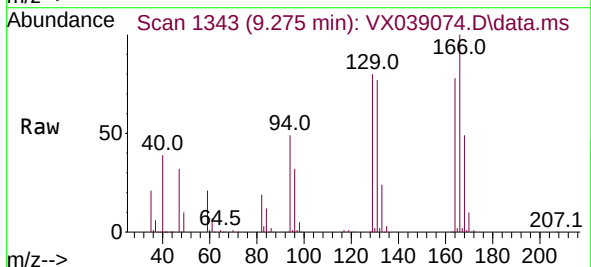


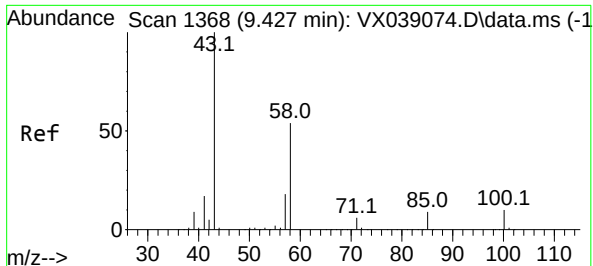
| Tgt Ion:  | 97   | Resp: | 105269 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 97        | 100  |       |        |
| 99        | 61.6 | 43.1  | 80.1   |
| 83        | 91.4 | 64.0  | 118.8  |
| 85        | 57.7 | 40.4  | 75.0   |



#46  
Tetrachloroethene  
Concen: 52.106 ug/L  
RT: 9.275 min Scan# 1343  
Delta R.T. 0.000 min  
Lab File: VX039074.D  
Acq: 05 Dec 2023 11:01

| Tgt Ion:  | 164   | Resp: | 72167 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 164       | 100   |       |       |
| 129       | 102.7 | 71.9  | 133.5 |
| 131       | 99.3  | 69.5  | 129.1 |
| 166       | 129.0 | 90.3  | 167.7 |





#48

2-Hexanone

Concen: 106.440 ug/L

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX039074.D

Acq: 05 Dec 2023 11:01

Instrument :

MSVOA\_X

ClientSampleId :

Tgt Ion: 43 Resp: 328969

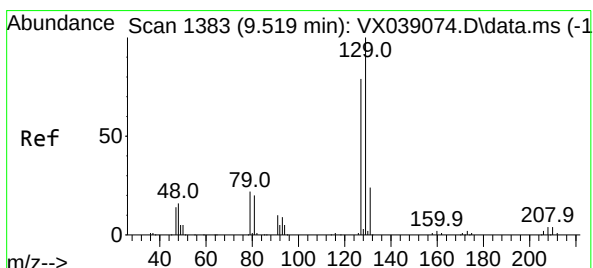
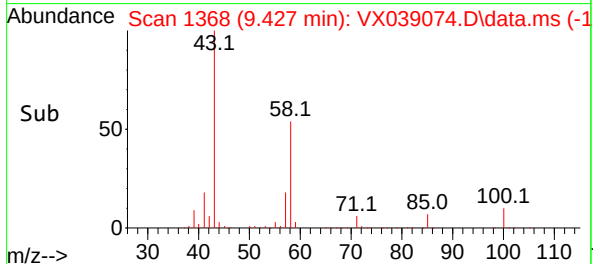
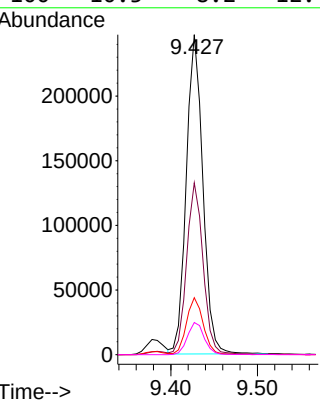
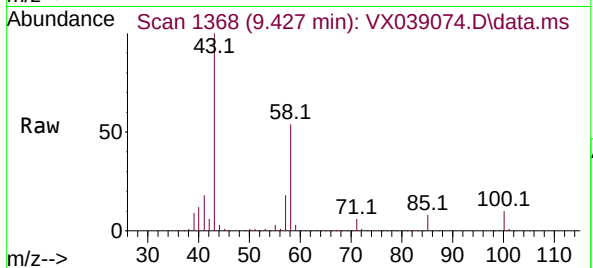
Ion Ratio Lower Upper

43 100

58 53.8 43.0 64.6

57 18.2 14.6 21.8

100 10.3 8.2 12.4



#49

Dibromochloromethane

Concen: 52.938 ug/L

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX039074.D

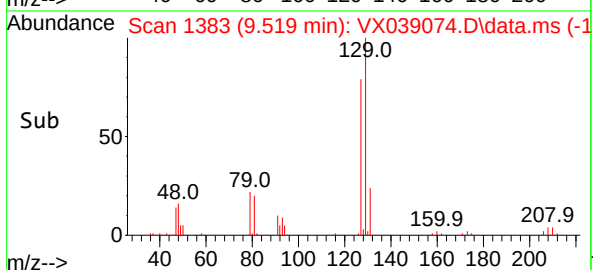
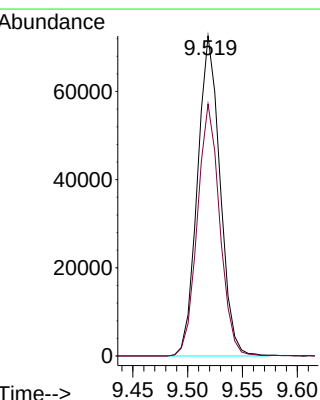
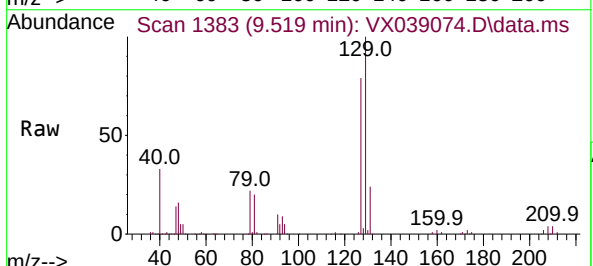
Acq: 05 Dec 2023 11:01

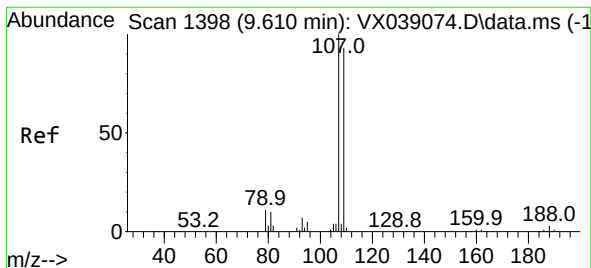
Tgt Ion:129 Resp: 104135

Ion Ratio Lower Upper

129 100

127 78.8 55.2 102.4





#50

1,2-Dibromoethane

Concen: 52.246 ug/L

RT: 9.610 min Scan# 11

Delta R.T. 0.000 min

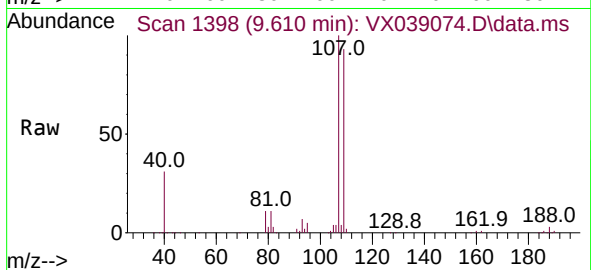
Lab File: VX039074.D

Acq: 05 Dec 2023 11:01

Instrument :

MSVOA\_X

ClientSampleId :



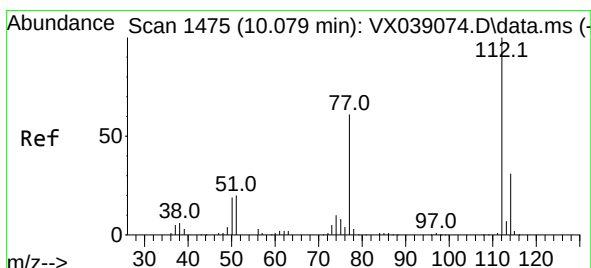
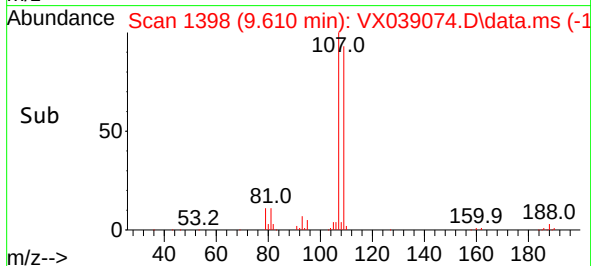
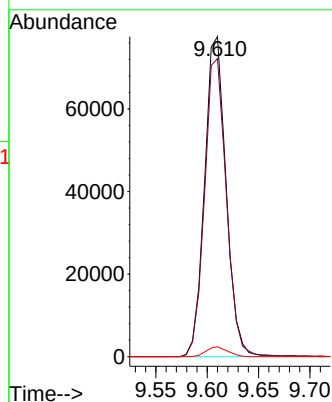
Tgt Ion:107 Resp: 113020

Ion Ratio Lower Upper

107 100

109 93.1 65.2 121.0

188 3.1 2.5 3.7



#51

Chlorobenzene

Concen: 52.082 ug/L

RT: 10.079 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX039074.D

Acq: 05 Dec 2023 11:01

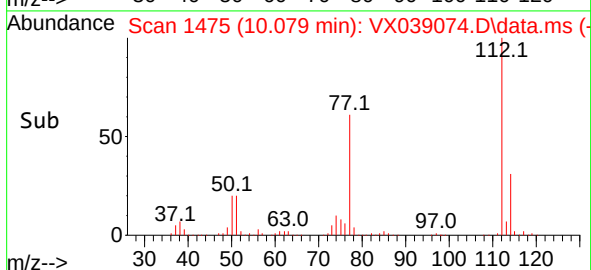
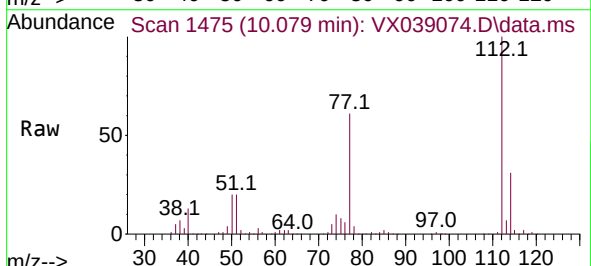
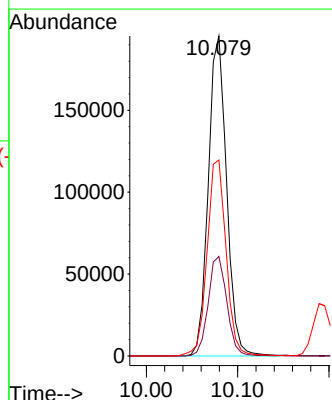
Tgt Ion:112 Resp: 271025

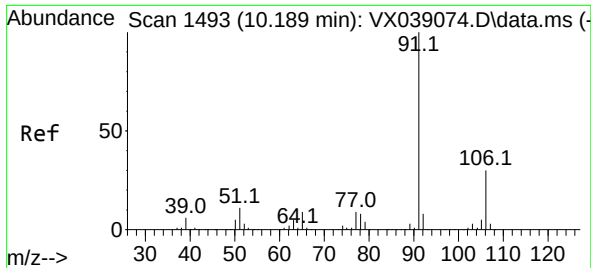
Ion Ratio Lower Upper

112 100

114 31.1 21.8 40.4

77 61.3 49.0 73.6

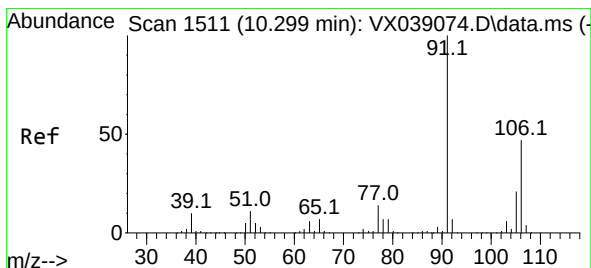
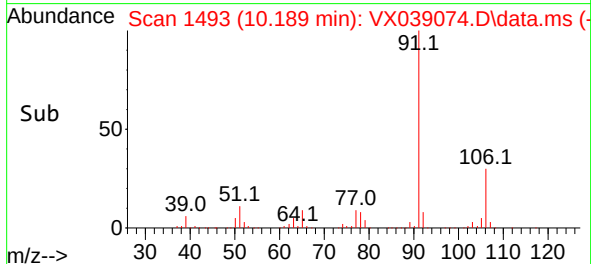
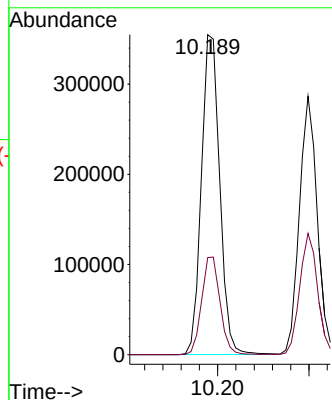
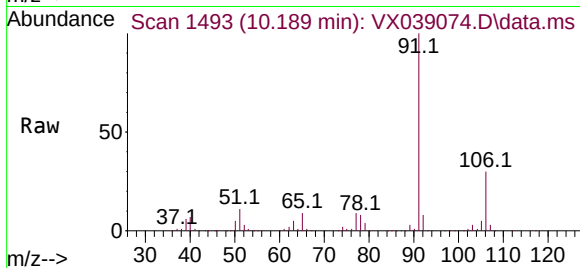




#52  
Ethylbenzene  
Concen: 52.361 ug/L  
RT: 10.189 min Scan# 1493  
Delta R.T. 0.000 min  
Lab File: VX039074.D  
Acq: 05 Dec 2023 11:01

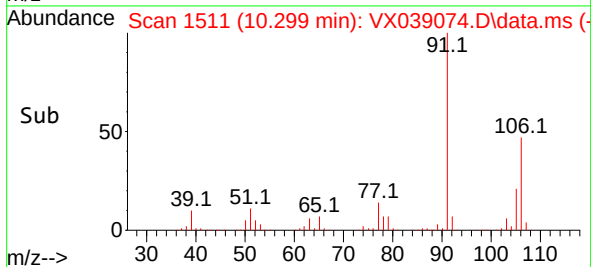
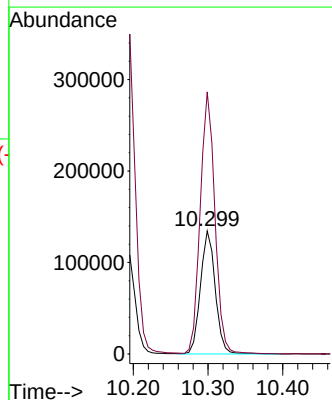
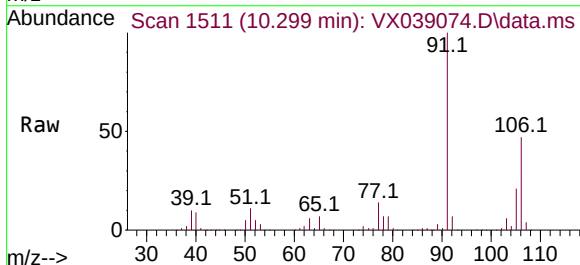
Instrument :  
MSVOA\_X  
ClientSampleId :

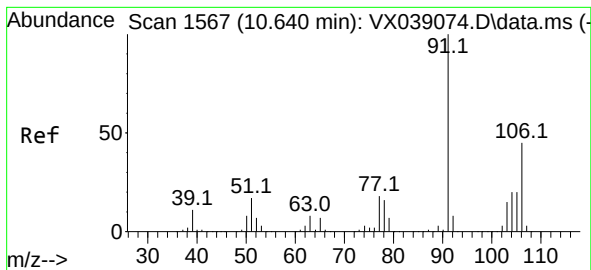
Tgt Ion: 91 Resp: 493149  
Ion Ratio Lower Upper  
91 100  
106 30.3 21.2 39.4



#53  
m,p-Xylene  
Concen: 52.424 ug/L  
RT: 10.299 min Scan# 1511  
Delta R.T. 0.000 min  
Lab File: VX039074.D  
Acq: 05 Dec 2023 11:01

Tgt Ion: 106 Resp: 184605  
Ion Ratio Lower Upper  
106 100  
91 212.9 149.0 276.8





#54

o-Xylene

Concen: 52.769 ug/L

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX039074.D

Acq: 05 Dec 2023 11:01

Instrument :

MSVOA\_X

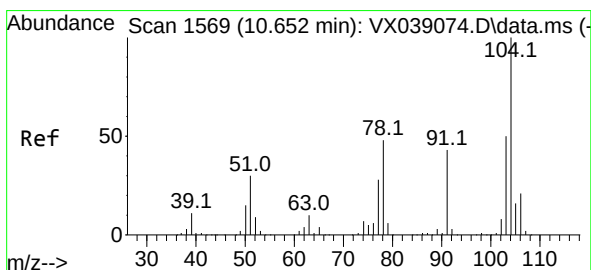
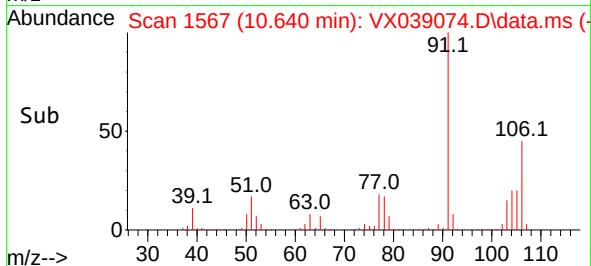
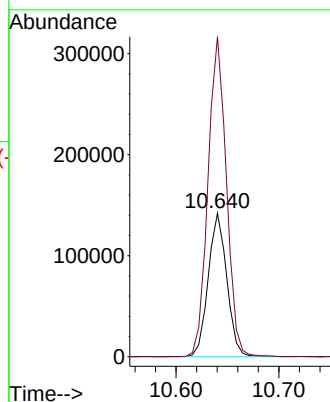
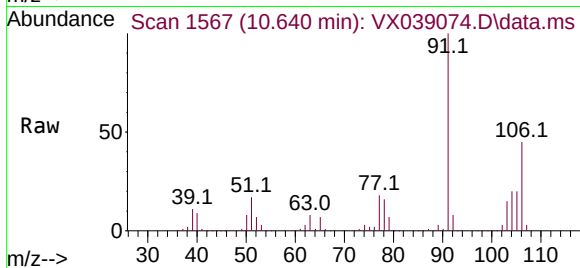
ClientSampleId :

Tgt Ion:106 Resp: 178304

Ion Ratio Lower Upper

106 100

91 223.1 156.2 290.0



#55

Styrene

Concen: 52.983 ug/L

RT: 10.652 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX039074.D

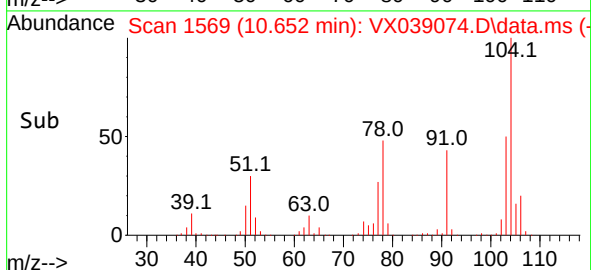
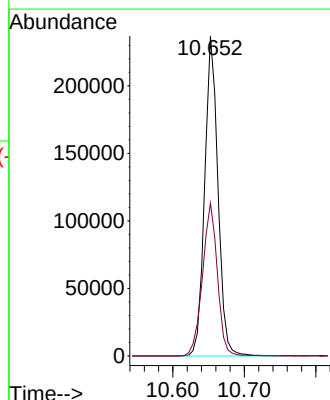
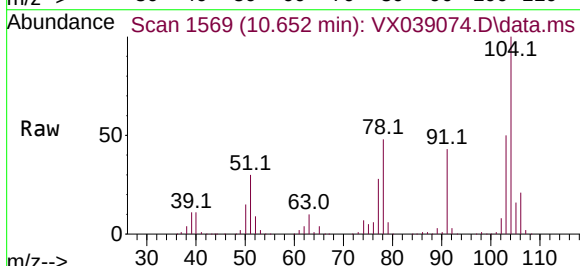
Acq: 05 Dec 2023 11:01

Tgt Ion:104 Resp: 306323

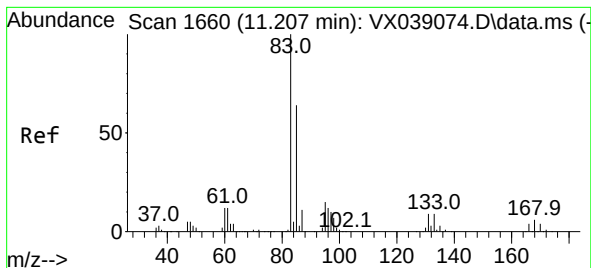
Ion Ratio Lower Upper

104 100

78 47.8 33.5 62.1



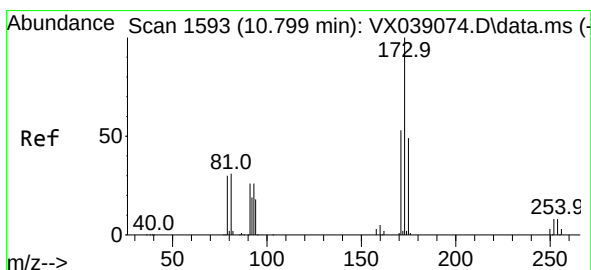
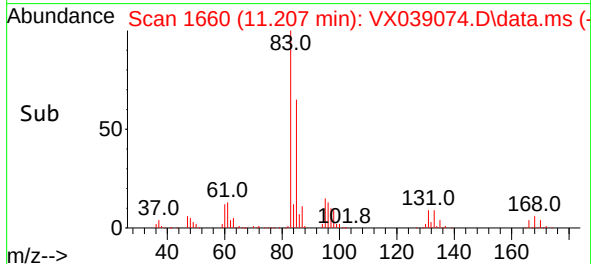
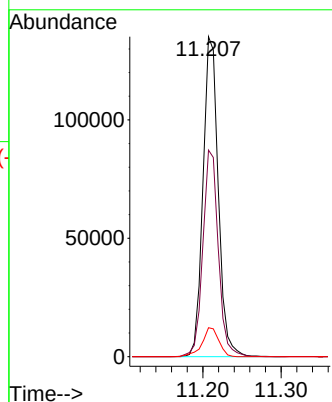
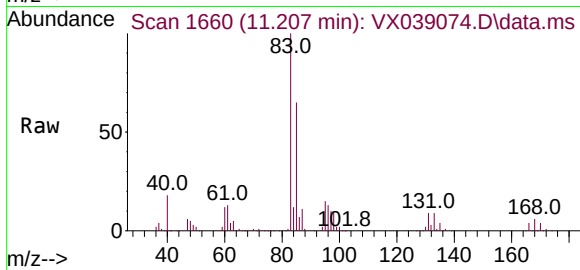




#57  
1,1,2,2-Tetrachloroethane  
Concen: 51.871 ug/L  
RT: 11.207 min Scan# 1660  
Delta R.T. 0.000 min  
Lab File: VX039074.D  
Acq: 05 Dec 2023 11:01

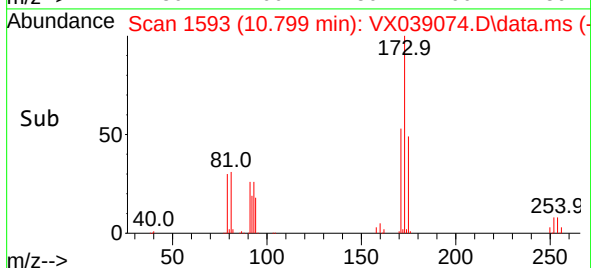
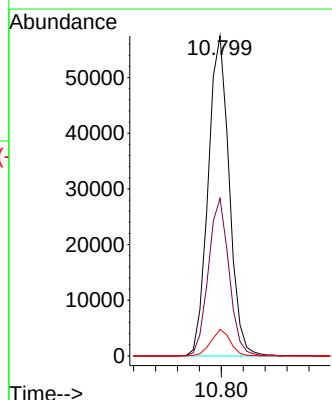
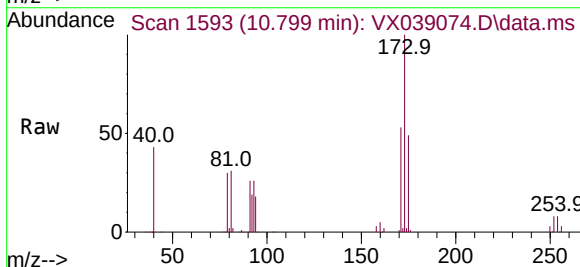
Instrument :  
MSVOA\_X  
ClientSampleId :

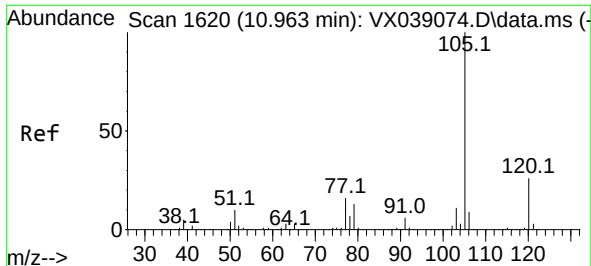
Tgt Ion: 83 Resp: 182786  
Ion Ratio Lower Upper  
83 100  
85 64.6 45.2 84.0  
131 9.0 7.2 10.8



#59  
Bromoform  
Concen: 52.221 ug/L  
RT: 10.799 min Scan# 1593  
Delta R.T. 0.000 min  
Lab File: VX039074.D  
Acq: 05 Dec 2023 11:01

Tgt Ion:173 Resp: 76462  
Ion Ratio Lower Upper  
173 100  
175 48.4 38.7 58.1  
254 7.7 6.2 9.2

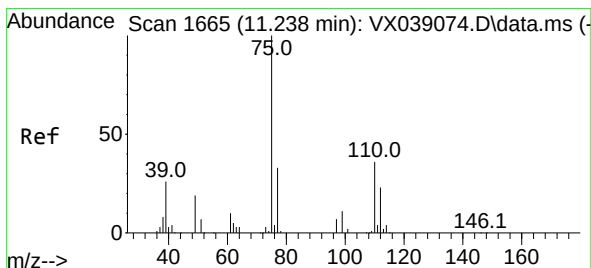
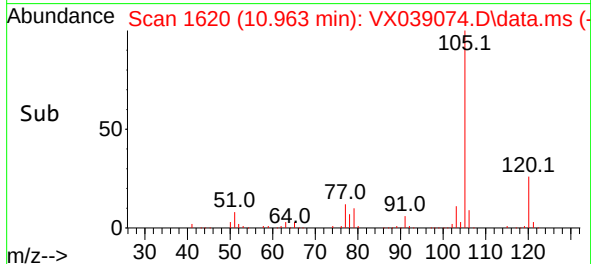
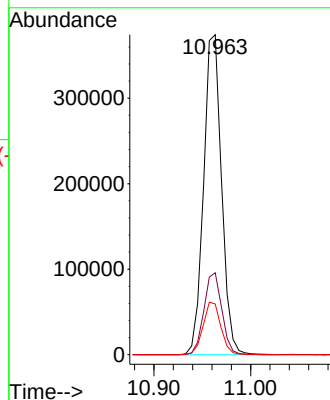
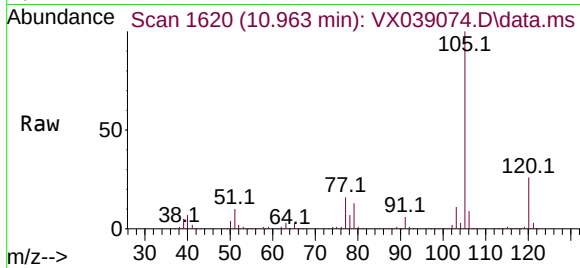




#60  
Isopropylbenzene  
Concen: 53.056 ug/L  
RT: 10.963 min Scan# 1620  
Delta R.T. 0.000 min  
Lab File: VX039074.D  
Acq: 05 Dec 2023 11:01

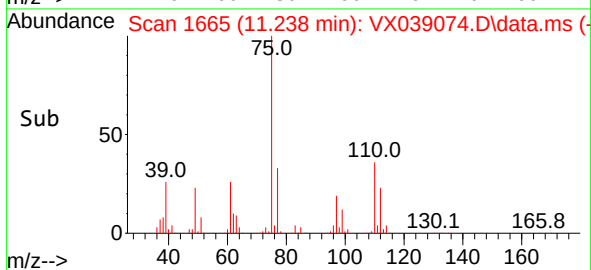
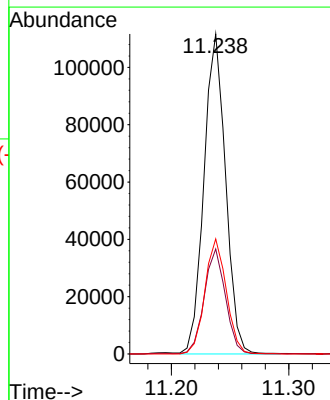
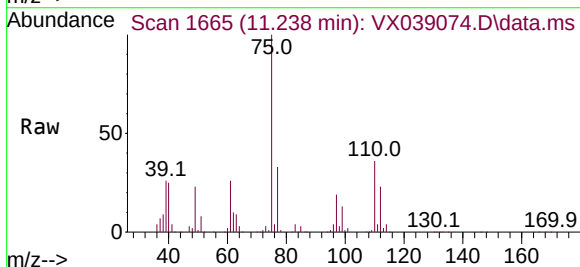
Instrument :  
MSVOA\_X  
ClientSampleId :

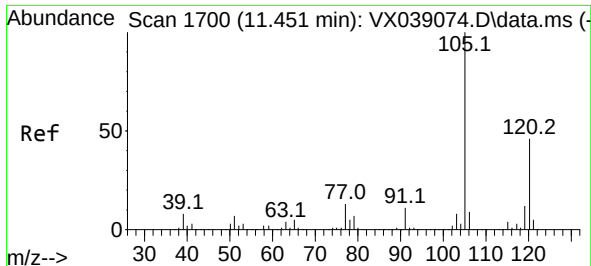
Tgt Ion:105 Resp: 482995  
Ion Ratio Lower Upper  
105 100  
120 25.6 20.5 30.7  
77 16.3 13.0 19.6



#61  
1,2,3-Trichloropropane  
Concen: 52.369 ug/L  
RT: 11.238 min Scan# 1665  
Delta R.T. 0.000 min  
Lab File: VX039074.D  
Acq: 05 Dec 2023 11:01

Tgt Ion: 75 Resp: 142924  
Ion Ratio Lower Upper  
75 100  
77 32.2 25.8 38.6  
110 35.5 28.4 42.6





#62

1,3,5-Trimethylbenzene

Concen: 52.726 ug/L

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX039074.D

Acq: 05 Dec 2023 11:01

Instrument :

MSVOA\_X

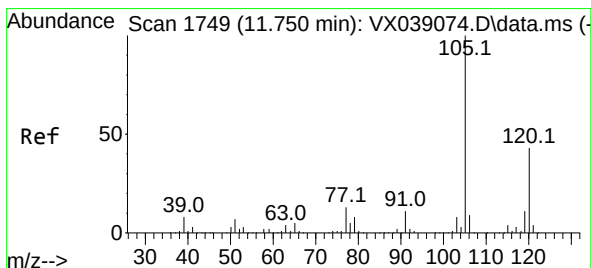
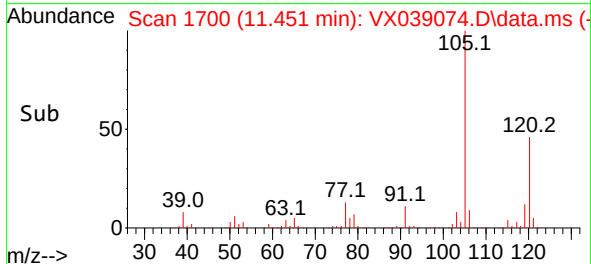
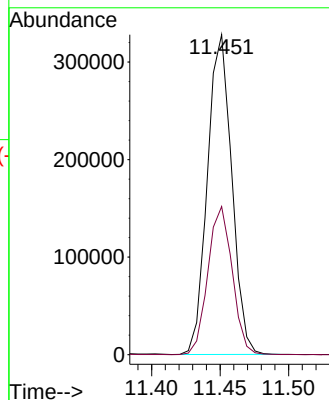
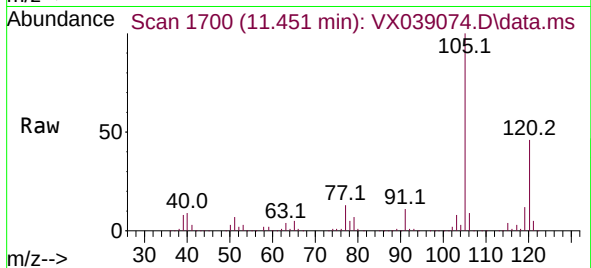
ClientSampleId :

Tgt Ion:105 Resp: 405235

Ion Ratio Lower Upper

105 100

120 46.3 37.0 55.6



#63

1,2,4-Trimethylbenzene

Concen: 52.570 ug/L

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX039074.D

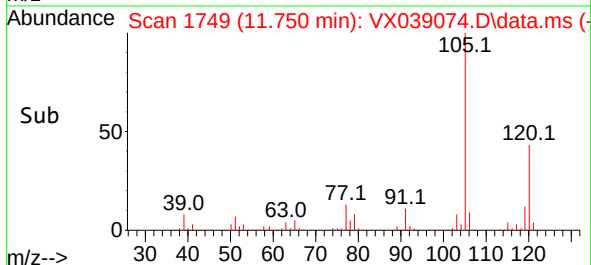
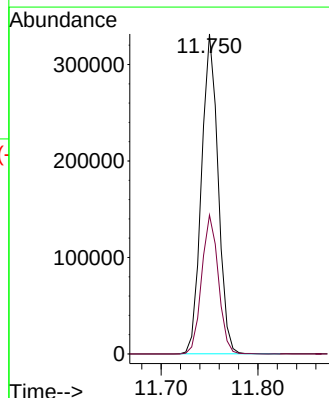
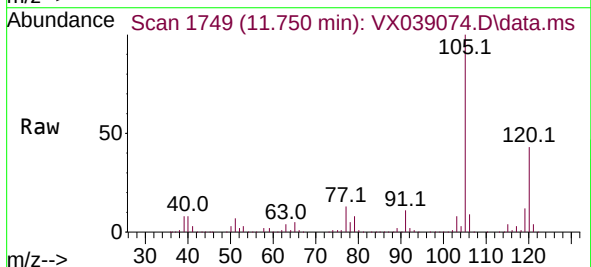
Acq: 05 Dec 2023 11:01

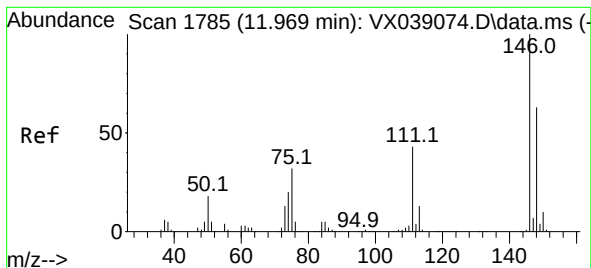
Tgt Ion:105 Resp: 396177

Ion Ratio Lower Upper

105 100

120 43.6 34.9 52.3





#64

1,3-Dichlorobenzene

Concen: 52.725 ug/L

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX039074.D

Acq: 05 Dec 2023 11:01

Instrument :

MSVOA\_X

ClientSampleId :

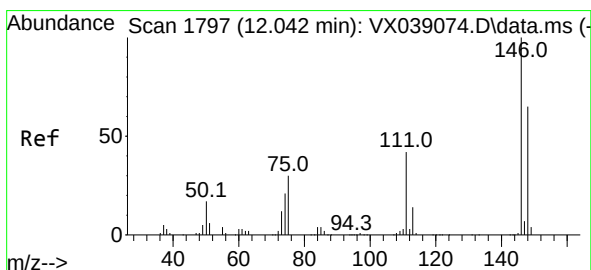
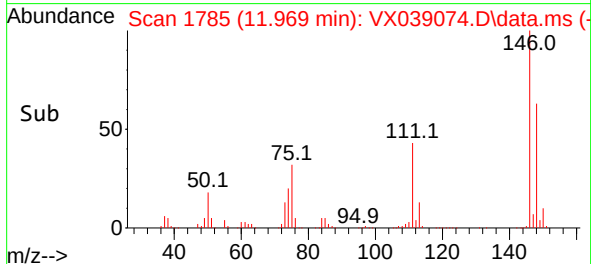
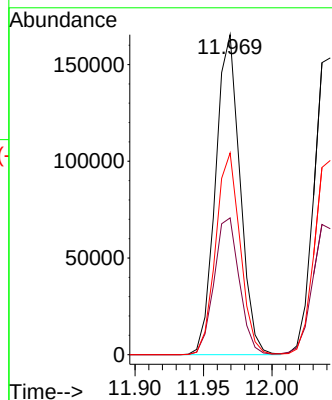
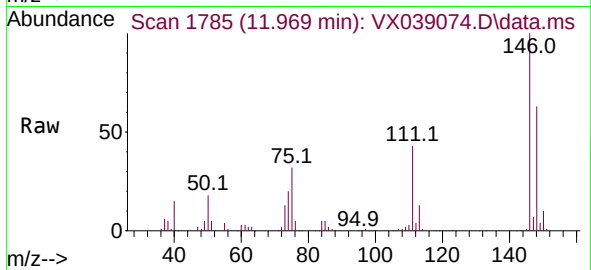
Tgt Ion:146 Resp: 205444

Ion Ratio Lower Upper

146 100

111 42.8 30.0 55.6

148 63.1 44.2 82.0



#65

1,4-Dichlorobenzene

Concen: 51.540 ug/L

RT: 12.042 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VX039074.D

Acq: 05 Dec 2023 11:01

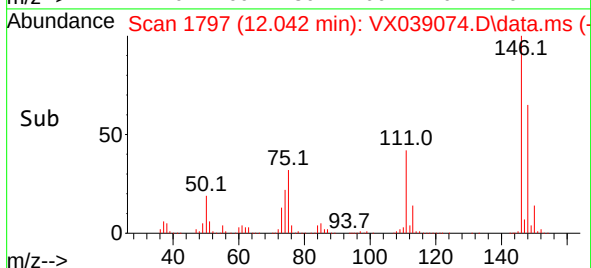
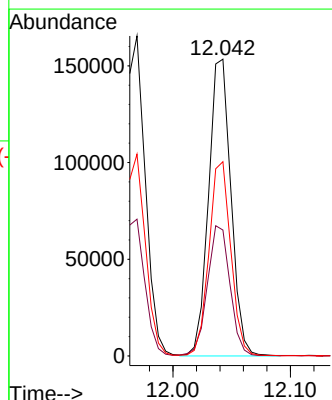
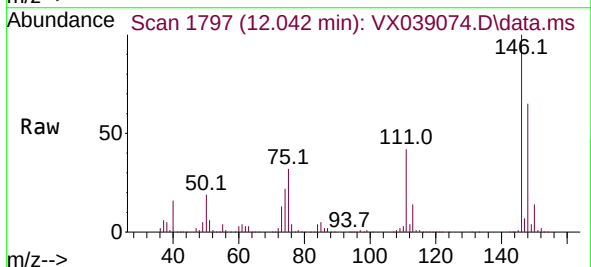
Tgt Ion:146 Resp: 203502

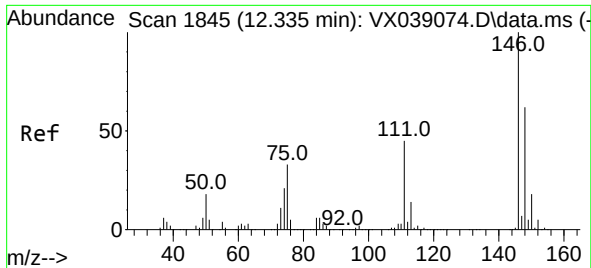
Ion Ratio Lower Upper

146 100

111 42.4 29.7 55.1

148 65.5 45.8 85.2





#67

1,2-Dichlorobenzene

Concen: 52.100 ug/L

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX039074.D

Acq: 05 Dec 2023 11:01

Instrument :

MSVOA\_X

ClientSampleId :

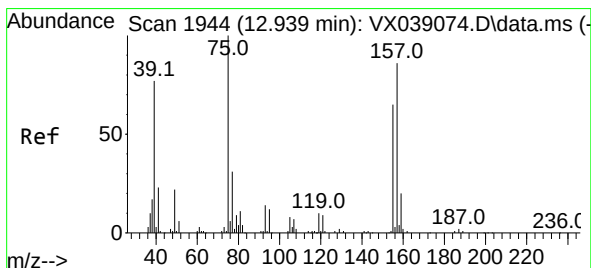
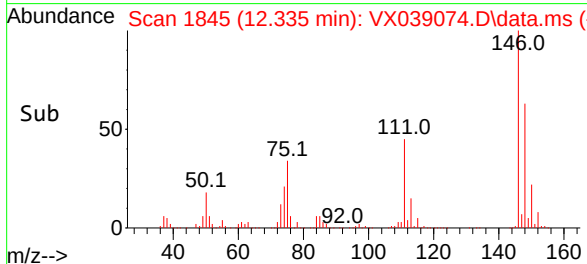
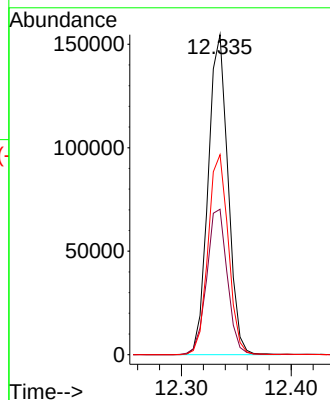
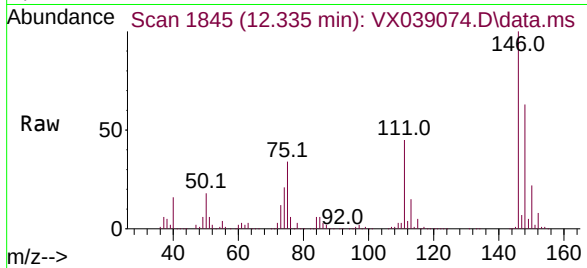
Tgt Ion:146 Resp: 194192

Ion Ratio Lower Upper

146 100

111 45.5 36.4 54.6

148 62.5 50.0 75.0



#68

1,2-Dibromo-3-chloropropane

Concen: 52.656 ug/L

RT: 12.939 min Scan# 1944

Delta R.T. 0.000 min

Lab File: VX039074.D

Acq: 05 Dec 2023 11:01

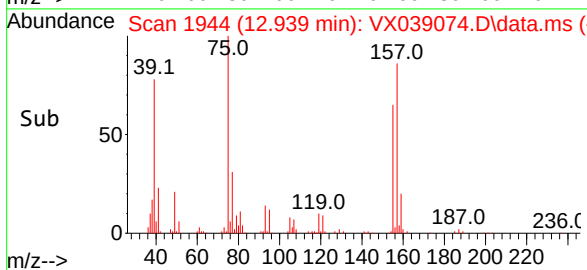
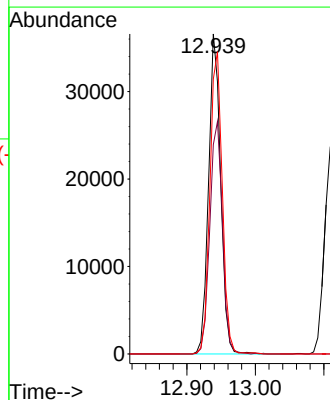
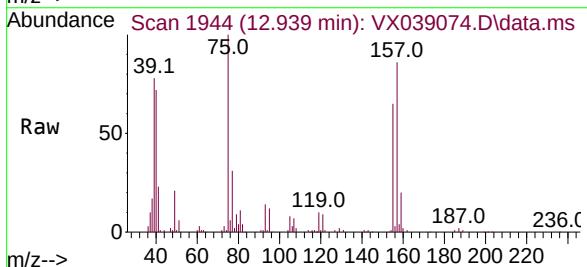
Tgt Ion: 75 Resp: 44850

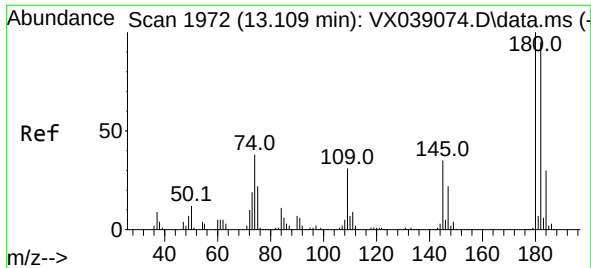
Ion Ratio Lower Upper

75 100

155 65.4 52.3 78.5

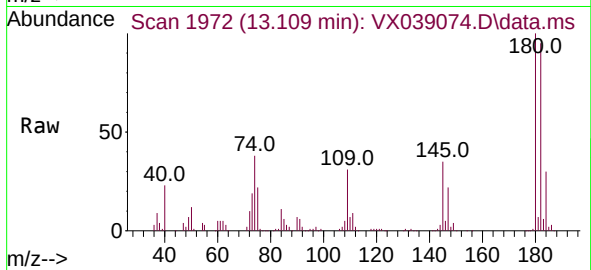
157 85.9 68.7 103.1



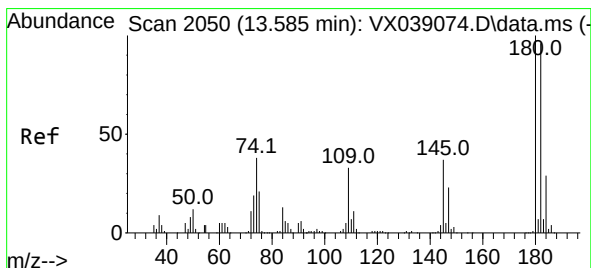
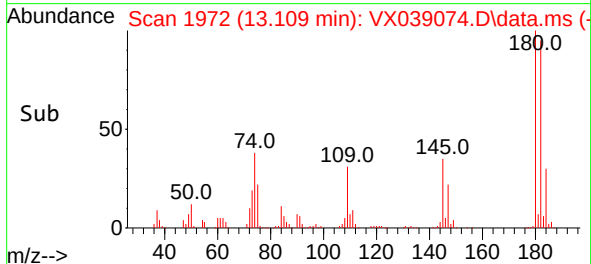
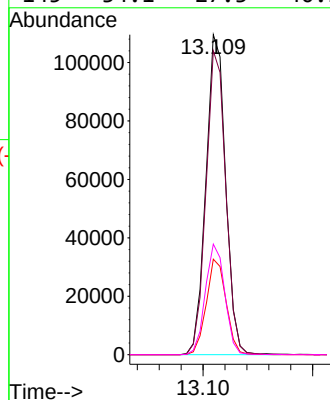


#69  
1,3,5-Trichlorobenzene  
Concen: 53.025 ug/L  
RT: 13.109 min Scan# 1972  
Delta R.T. 0.000 min  
Lab File: VX039074.D  
Acq: 05 Dec 2023 11:01

Instrument :  
MSVOA\_X  
ClientSampleId :

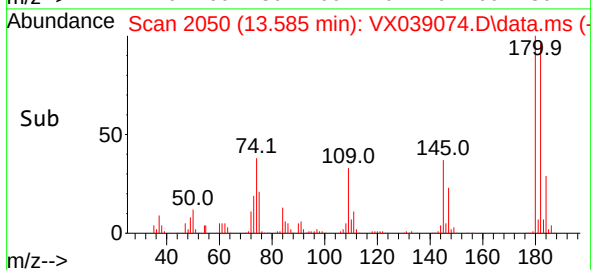
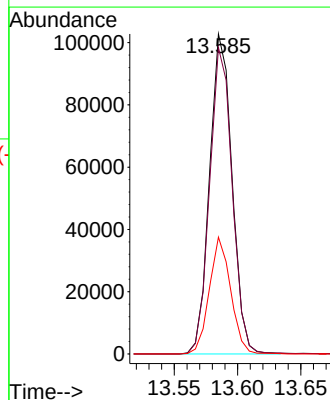
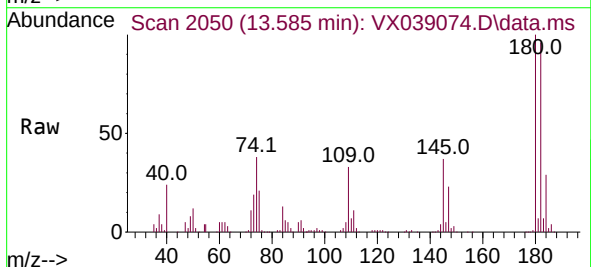


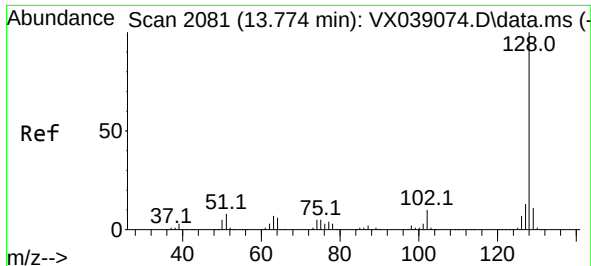
Tgt Ion:180 Resp: 136638  
Ion Ratio Lower Upper  
180 100  
182 95.1 76.1 114.1  
184 30.1 24.1 36.1  
145 34.1 27.3 40.9



#70  
1,2,4-trichlorobenzene  
Concen: 52.263 ug/L  
RT: 13.585 min Scan# 2050  
Delta R.T. 0.000 min  
Lab File: VX039074.D  
Acq: 05 Dec 2023 11:01

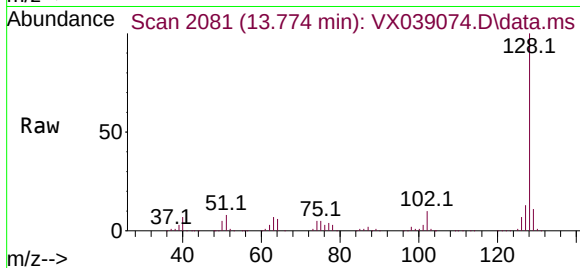
Tgt Ion:180 Resp: 126960  
Ion Ratio Lower Upper  
180 100  
182 96.0 76.8 115.2  
145 34.7 27.8 41.6



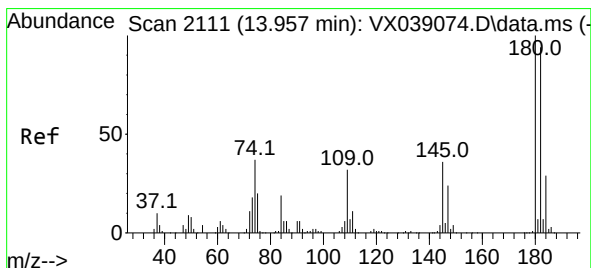
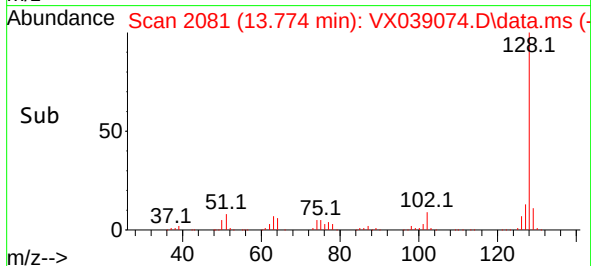
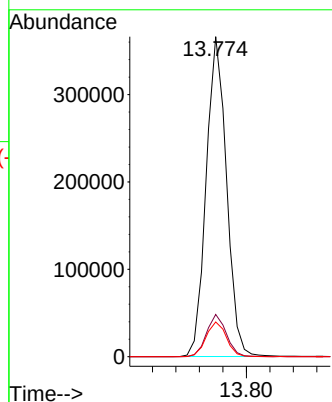


#71  
Naphthalene  
Concen: 52.850 ug/L  
RT: 13.774 min Scan# 2081  
Delta R.T. 0.000 min  
Lab File: VX039074.D  
Acq: 05 Dec 2023 11:01

Instrument :  
MSVOA\_X  
ClientSampleId :



Tgt Ion:128 Resp: 440306  
Ion Ratio Lower Upper  
128 100  
127 12.8 10.2 15.4  
129 10.9 8.7 13.1



#72  
1,2,3-Trichlorobenzene  
Concen: 52.565 ug/L  
RT: 13.957 min Scan# 2111  
Delta R.T. 0.000 min  
Lab File: VX039074.D  
Acq: 05 Dec 2023 11:01

Tgt Ion:180 Resp: 123641  
Ion Ratio Lower Upper  
180 100  
182 94.9 75.9 113.9  
145 35.7 28.6 42.8

