

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121923\  
 Data File : VX039342.D  
 Acq On : 19 Dec 2023 09:27  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Dec 19 21:59:27 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML120523WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Dec 18 22:55:37 2023  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.757   | 114   | 211366   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.049  | 117   | 198282   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.018  | 152   | 99333    | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.368   | 65    | 70811    | 42.713   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 85.420%  |
| 7) Chloroethane-d5            | 1.666   | 69    | 54099    | 44.149   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 88.300%  |
| 11) 1,1-Dichloroethene-d2     | 2.307   | 65    | 35228    | 48.408   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 96.820%  |
| 21) 2-Butanone-d5             | 4.440   | 46    | 159939   | 106.578  | ug/L   | -0.01    |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 106.580% |
| 24) Chloroform-d              | 5.056   | 84    | 147663   | 50.315   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 100.640% |
| 26) 1,2-Dichloroethane-d4     | 5.952   | 65    | 102264   | 53.805   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 107.620% |
| 32) Benzene-d6                | 5.970   | 84    | 288252   | 47.105   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 94.200%  |
| 36) 1,2-Dichloropropane-d6    | 7.306   | 67    | 94244    | 47.856   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 95.720%  |
| 41) Toluene-d8                | 8.647   | 98    | 258370   | 46.590   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 93.180%  |
| 43) trans-1,3-Dichloroprop... | 8.946   | 79    | 45540    | 45.441   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 90.880%  |
| 47) 2-Hexanone-d5             | 9.378   | 63    | 116525   | 99.067   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 99.070%  |
| 56) 1,1,2,2-Tetrachloroeth... | 11.189  | 84    | 143279   | 51.287   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 102.580% |
| 66) 1,2-Dichlorobenzene-d4    | 12.317  | 152   | 91327    | 48.641   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 97.280%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.166   | 85    | 93167    | 55.272   | ug/L   | 99       |
| 3) Chloromethane              | 1.294   | 50    | 92914    | 52.737   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.374   | 62    | 87849    | 50.592   | ug/L   | 97       |
| 6) Bromomethane               | 1.605   | 94    | 52766    | 56.299   | ug/L   | 96       |
| 8) Chloroethane               | 1.691   | 64    | 48675    | 49.584   | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 1.892   | 101   | 126038   | 56.006   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.331   | 101   | 83023    | 57.353   | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.319   | 96    | 72589    | 53.310   | ug/L   | 95       |
| 13) Acetone                   | 2.374   | 43    | 153542   | 106.504  | ug/L   | 96       |
| 14) Carbon disulfide          | 2.514   | 76    | 211574   | 48.829   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.697   | 43    | 116143   | 56.363   | ug/L   | 98       |
| 16) Methylene chloride        | 2.788   | 84    | 83058    | 53.091   | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 3.093   | 96    | 75362    | 52.529   | ug/L   | 94       |
| 18) Methyl tert-butyl Ether   | 3.111   | 73    | 270789   | 54.224   | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.605   | 63    | 154205   | 54.359   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 4.483   | 96    | 87290    | 52.456   | ug/L   | 93       |
| 22) 2-Butanone                | 4.544   | 43    | 184223   | 104.123  | ug/L   | 99       |
| 23) Bromochloromethane        | 4.897   | 128   | 40633    | 51.944   | ug/L   | 100      |
| 25) Chloroform                | 5.086   | 83    | 158826   | 56.133   | ug/L   | 100      |

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 Sample : VSTDCCC050  
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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Dec 19 21:59:27 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML120523WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Dec 18 22:55:37 2023  
 Response via : Initial Calibration

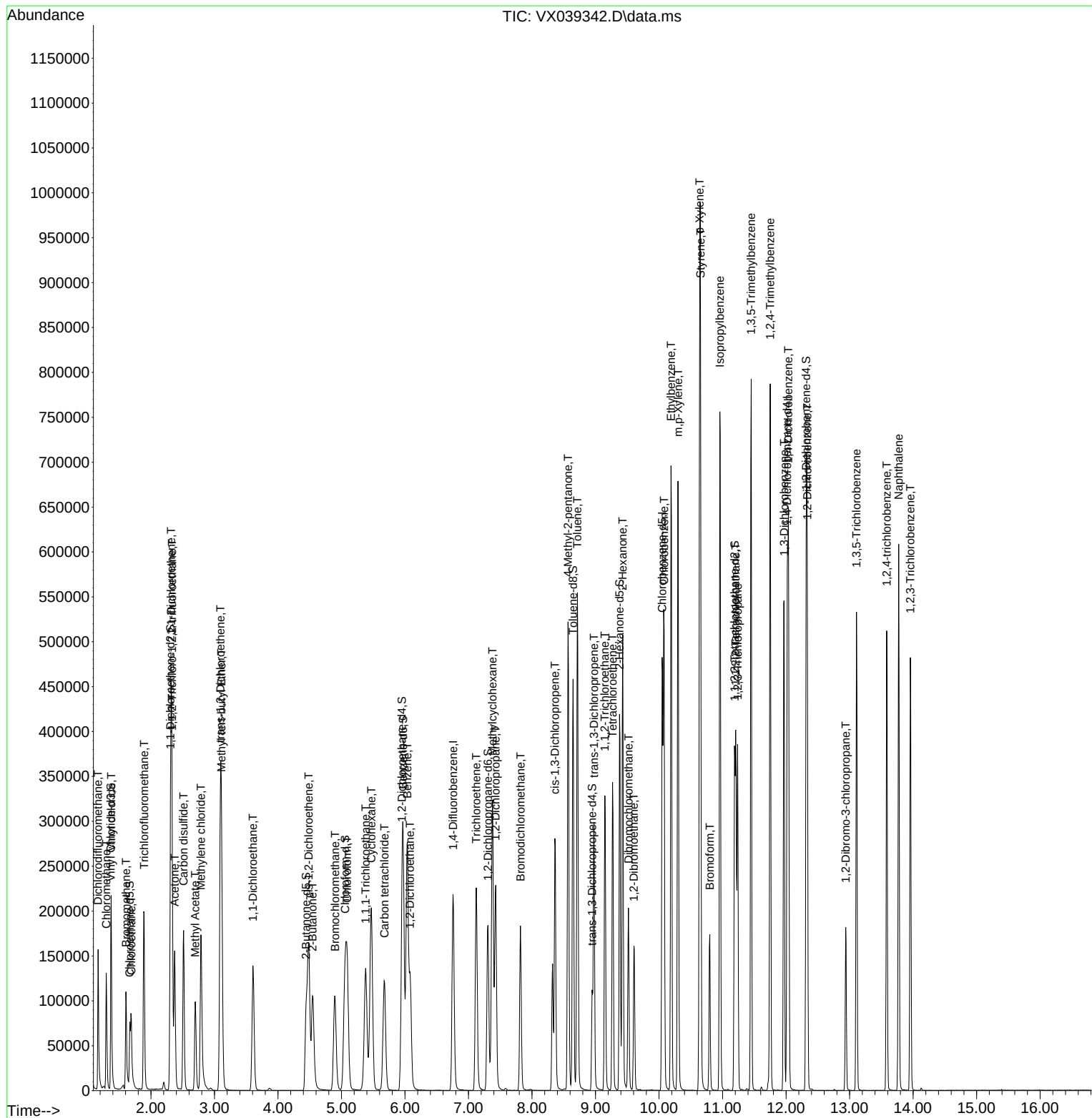
| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 27) 1,2-Dichloroethane        | 6.080  | 62   | 130861   | 58.598  | ug/L # | 94       |
| 29) Cyclohexane               | 5.471  | 56   | 142403   | 51.340  | ug/L   | 98       |
| 30) 1,1,1-Trichloroethane     | 5.379  | 97   | 130103   | 54.079  | ug/L   | 98       |
| 31) Carbon tetrachloride      | 5.678  | 117  | 106284   | 52.951  | ug/L   | 100      |
| 33) Benzene                   | 6.038  | 78   | 328307   | 52.102  | ug/L   | 100      |
| 34) Trichloroethene           | 7.123  | 95   | 89341    | 53.650  | ug/L   | 98       |
| 35) Methylcyclohexane         | 7.379  | 83   | 141426   | 50.993  | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 7.428  | 63   | 89689    | 51.322  | ug/L   | 99       |
| 38) Bromodichloromethane      | 7.818  | 83   | 113992   | 53.629  | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 8.360  | 75   | 142339   | 51.068  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 8.568  | 43   | 314126   | 107.251 | ug/L   | 98       |
| 42) Toluene                   | 8.714  | 91   | 347822   | 52.053  | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 8.976  | 75   | 134112   | 51.850  | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 9.147  | 97   | 83900    | 52.388  | ug/L   | 98       |
| 46) Tetrachloroethene         | 9.269  | 164  | 58151    | 52.936  | ug/L   | 95       |
| 48) 2-Hexanone                | 9.427  | 43   | 262243   | 106.978 | ug/L   | 98       |
| 49) Dibromochloromethane      | 9.519  | 129  | 80451    | 51.564  | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 9.604  | 107  | 89644    | 52.247  | ug/L   | 99       |
| 51) Chlorobenzene             | 10.079 | 112  | 214973   | 52.084  | ug/L   | 99       |
| 52) Ethylbenzene              | 10.189 | 91   | 399309   | 53.454  | ug/L   | 98       |
| 53) m,p-Xylene                | 10.299 | 106  | 143921   | 51.529  | ug/L   | 97       |
| 54) o-Xylene                  | 10.640 | 106  | 138995   | 51.863  | ug/L   | 97       |
| 55) Styrene                   | 10.653 | 104  | 242852   | 52.959  | ug/L   | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 11.207 | 83   | 147649   | 52.827  | ug/L   | 99       |
| 59) Bromoform                 | 10.799 | 173  | 55321    | 47.387  | ug/L   | 99       |
| 60) Isopropylbenzene          | 10.957 | 105  | 389612   | 53.678  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 11.238 | 75   | 116099   | 53.355  | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 328877   | 53.669  | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 319828   | 53.227  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.969 | 146  | 162834   | 52.414  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 12.036 | 146  | 163319   | 51.878  | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 12.335 | 146  | 155030   | 52.167  | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.939 | 75   | 36165    | 53.253  | ug/L   | 93       |
| 69) 1,3,5-Trichlorobenzene    | 13.109 | 180  | 109099   | 53.101  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.585 | 180  | 100053   | 51.657  | ug/L   | 99       |
| 71) Naphthalene               | 13.774 | 128  | 340132   | 51.205  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 96917    | 51.678  | ug/L   | 99       |

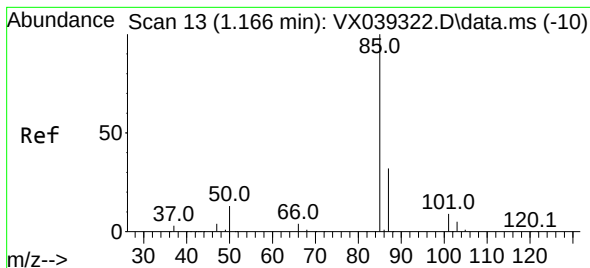
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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Dec 19 21:59:27 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM120523WMA.M  
Quant Title : VOC Analysis  
QLast Update : Mon Dec 18 22:55:37 2023  
Response via : Initial Calibration

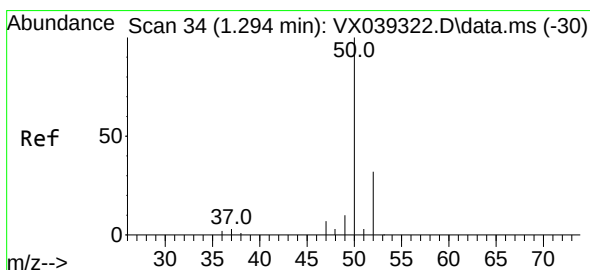
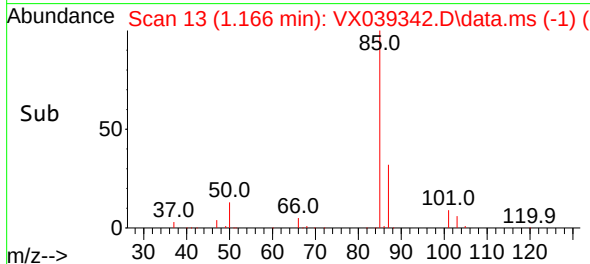
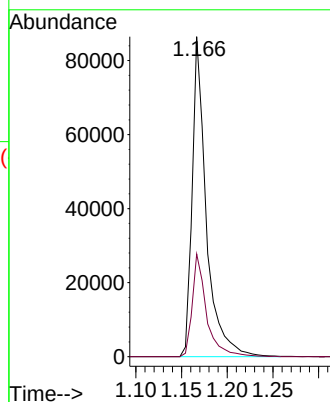
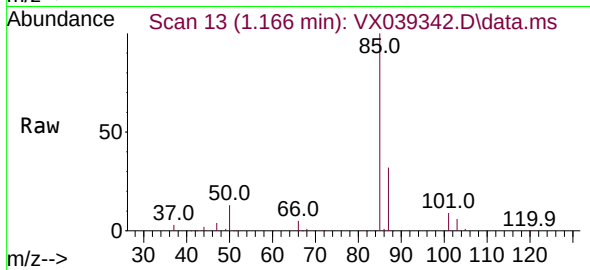




#2  
 Dichlorodifluoromethane  
 Concen: 55.272 ug/L  
 RT: 1.166 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX039342.D  
 Acq: 19 Dec 2023 09:27

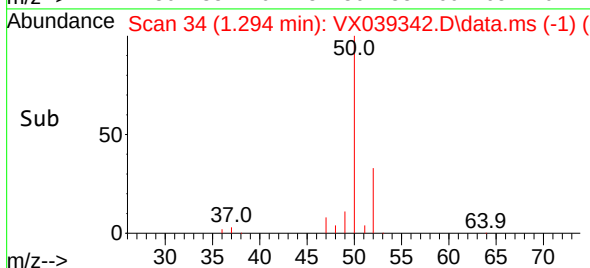
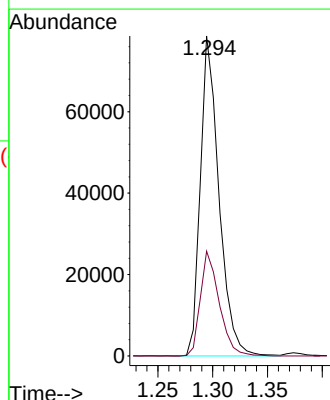
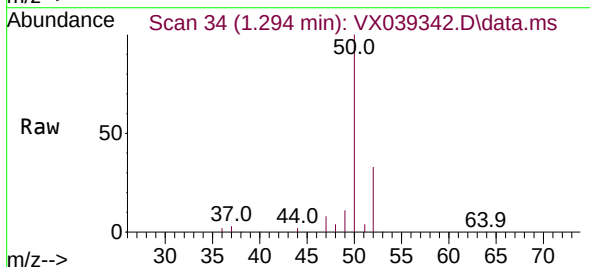
Instrument :  
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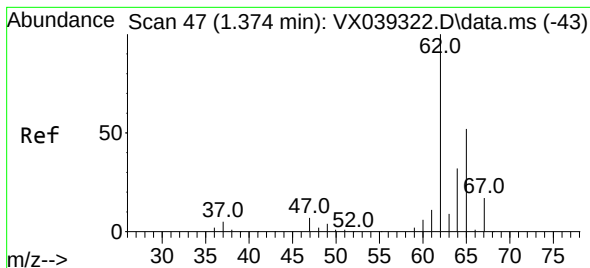
Tgt Ion: 85 Resp: 93167  
 Ion Ratio Lower Upper  
 85 100  
 87 32.4 26.2 39.4



#3  
 Chloromethane  
 Concen: 52.737 ug/L  
 RT: 1.294 min Scan# 34  
 Delta R.T. 0.000 min  
 Lab File: VX039342.D  
 Acq: 19 Dec 2023 09:27

Tgt Ion: 50 Resp: 92914  
 Ion Ratio Lower Upper  
 50 100  
 52 32.7 22.4 41.6





#5

Vinyl chloride

Concen: 50.592 ug/L

RT: 1.374 min Scan# 41

Delta R.T. 0.000 min

Lab File: VX039342.D

Acq: 19 Dec 2023 09:27

Instrument :

MSVOA\_X

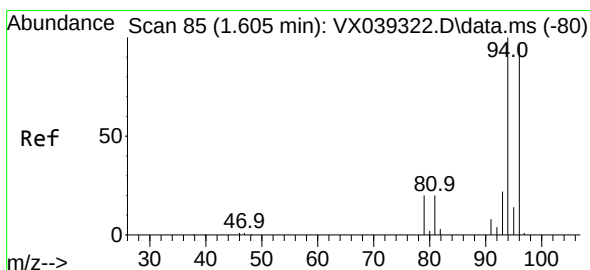
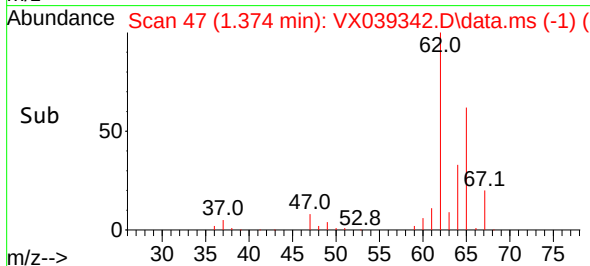
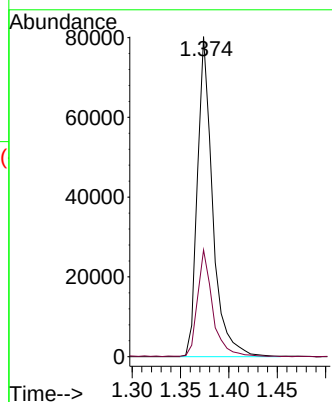
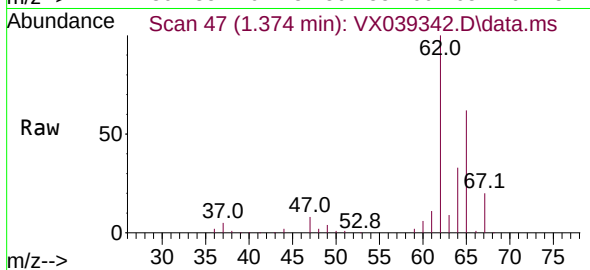
ClientSampleId :

Tgt Ion: 62 Resp: 87849

Ion Ratio Lower Upper

62 100

64 33.4 22.3 41.3



#6

Bromomethane

Concen: 56.299 ug/L

RT: 1.605 min Scan# 85

Delta R.T. 0.000 min

Lab File: VX039342.D

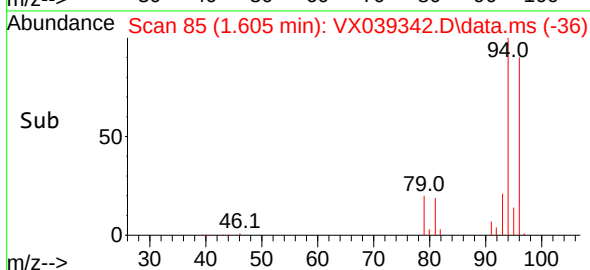
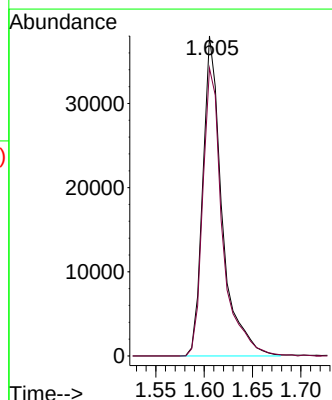
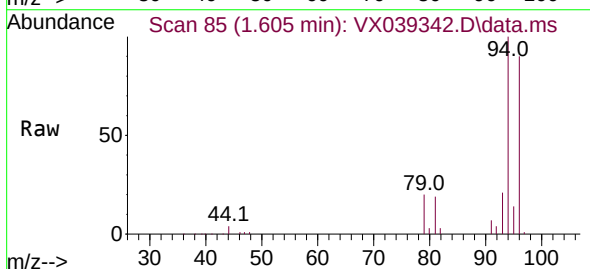
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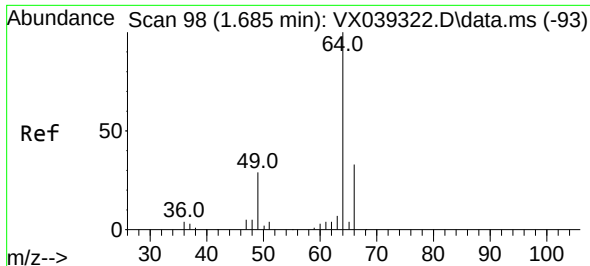
Tgt Ion: 94 Resp: 52766

Ion Ratio Lower Upper

94 100

96 89.9 65.8 122.2

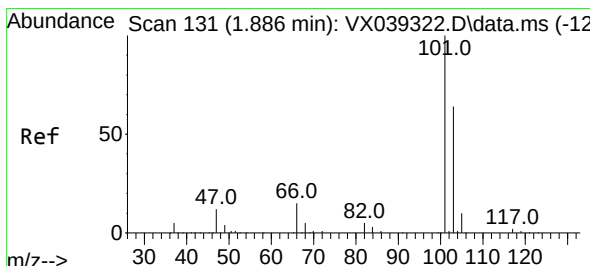
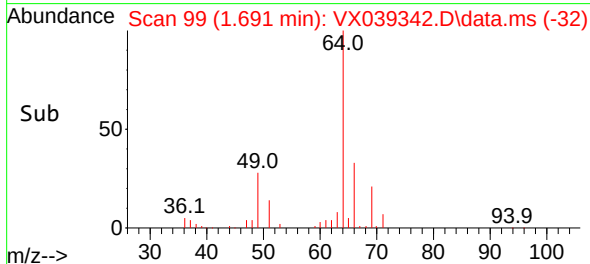
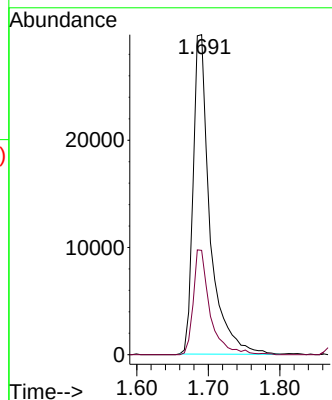
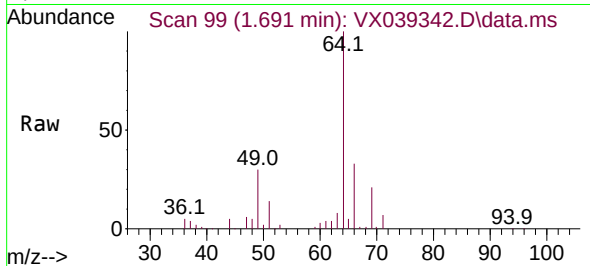




#8  
Chloroethane  
Concen: 49.584 ug/L  
RT: 1.691 min Scan# 99  
Delta R.T. 0.006 min  
Lab File: VX039342.D  
Acq: 19 Dec 2023 09:27

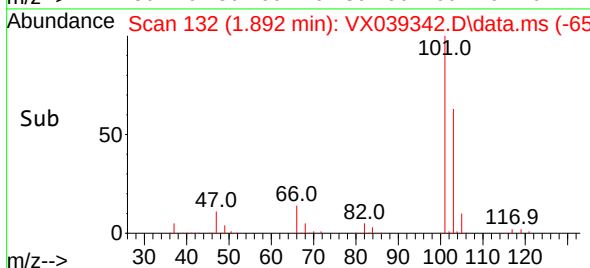
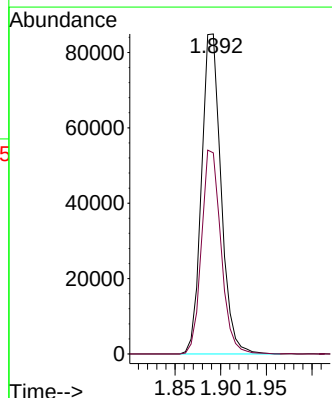
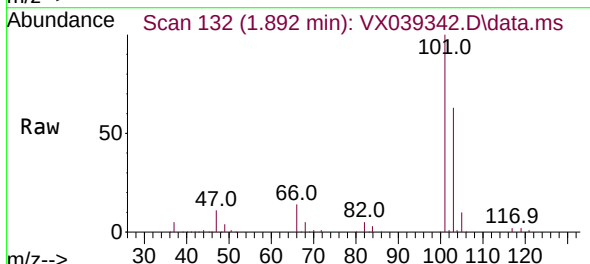
Instrument :  
MSVOA\_X  
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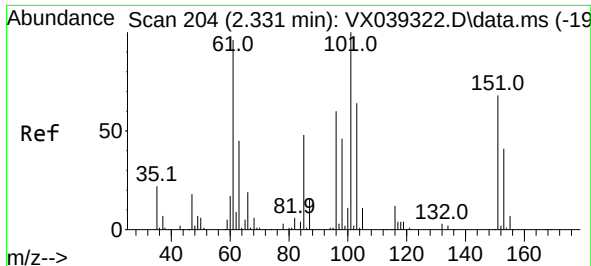
Tgt Ion: 64 Resp: 48675  
Ion Ratio Lower Upper  
64 100  
66 32.6 23.4 43.6



#9  
Trichlorofluoromethane  
Concen: 56.006 ug/L  
RT: 1.892 min Scan# 132  
Delta R.T. 0.006 min  
Lab File: VX039342.D  
Acq: 19 Dec 2023 09:27

Tgt Ion:101 Resp: 126038  
Ion Ratio Lower Upper  
101 100  
103 63.6 51.4 77.2

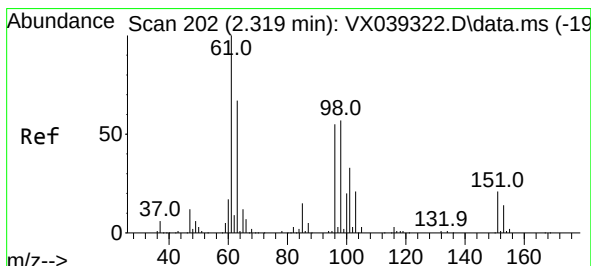
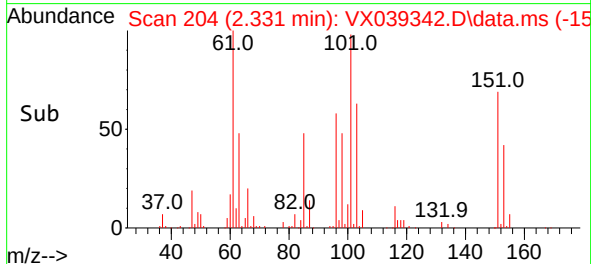
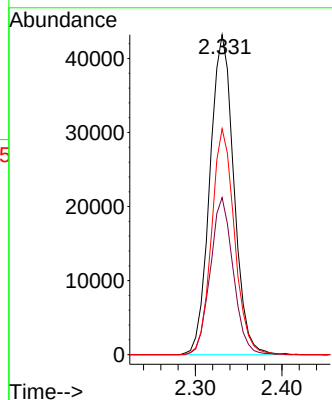
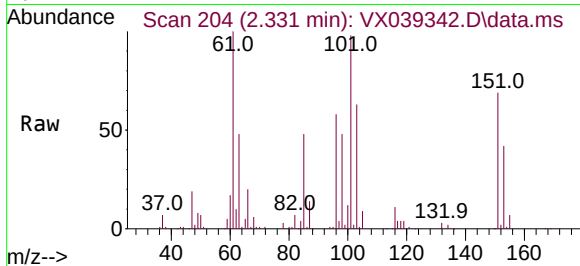




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 57.353 ug/L  
 RT: 2.331 min Scan# 204  
 Delta R.T. 0.000 min  
 Lab File: VX039342.D  
 Acq: 19 Dec 2023 09:27

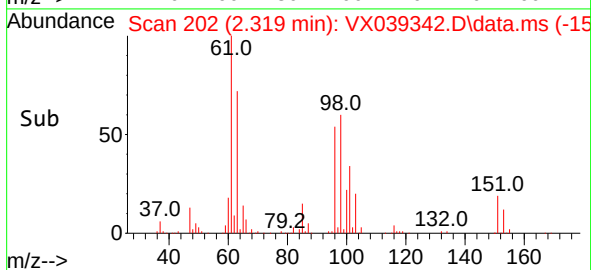
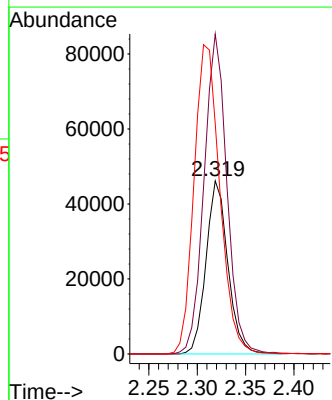
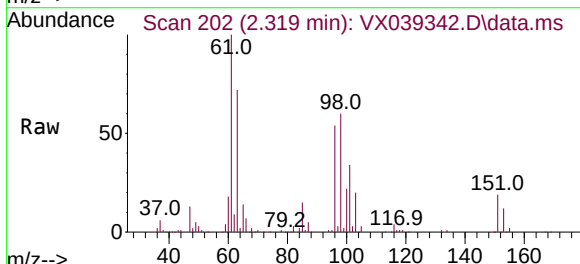
Instrument :  
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 ClientSampleId :

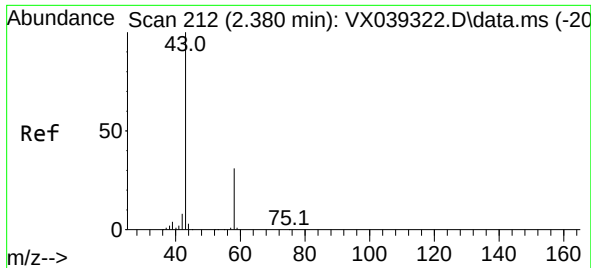
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 Ion Ratio Lower Upper  
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 151 67.7 55.4 83.2



#12  
 1,1-Dichloroethene  
 Concen: 53.310 ug/L  
 RT: 2.319 min Scan# 202  
 Delta R.T. 0.000 min  
 Lab File: VX039342.D  
 Acq: 19 Dec 2023 09:27

Tgt Ion: 96 Resp: 72589  
 Ion Ratio Lower Upper  
 96 100  
 61 184.8 128.0 237.6  
 63 133.0 101.5 188.5





#13

Acetone

Concen: 106.504 ug/L

RT: 2.374 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX039342.D

Acq: 19 Dec 2023 09:27

Instrument :

MSVOA\_X

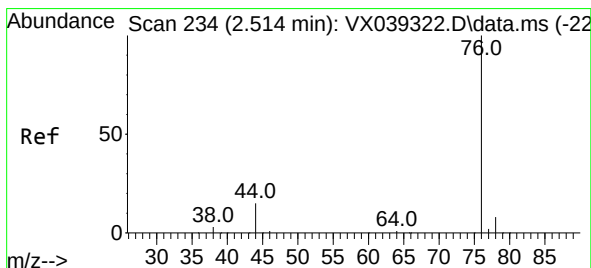
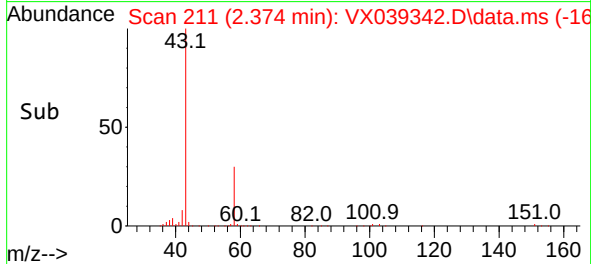
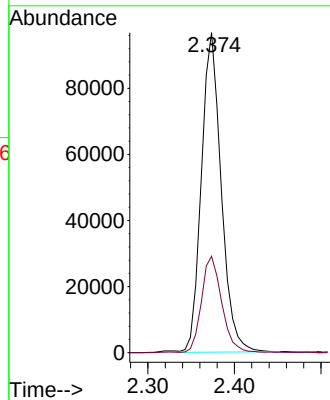
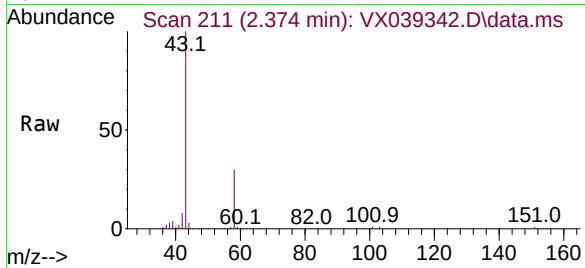
ClientSampleId :

Tgt Ion: 43 Resp: 153542

Ion Ratio Lower Upper

43 100

58 30.6 0.0 65.8



#14

Carbon disulfide

Concen: 48.829 ug/L

RT: 2.514 min Scan# 234

Delta R.T. 0.000 min

Lab File: VX039342.D

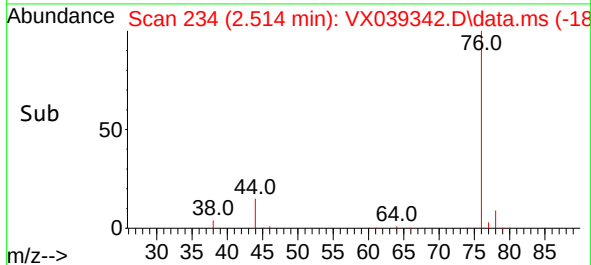
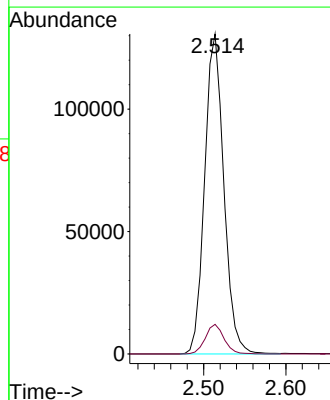
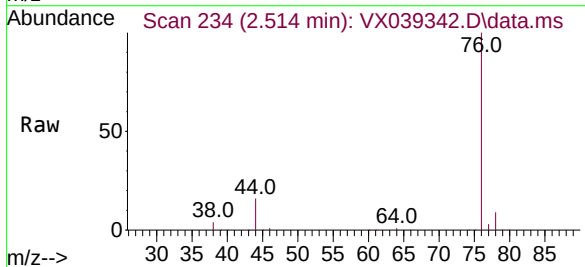
Acq: 19 Dec 2023 09:27

Tgt Ion: 76 Resp: 211574

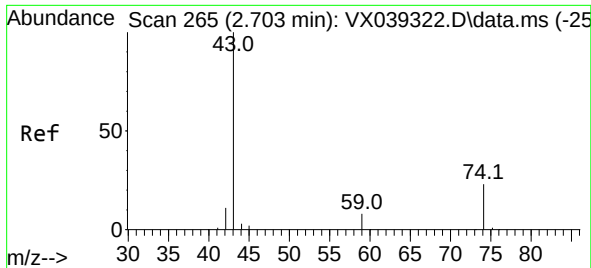
Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2



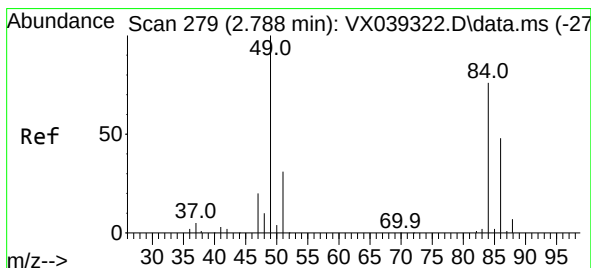
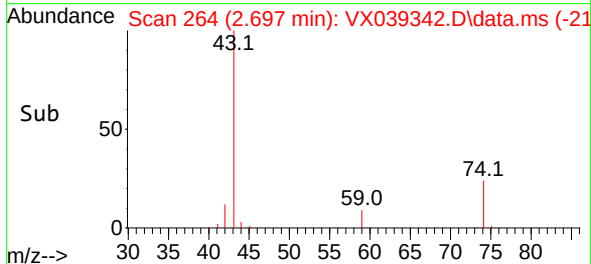
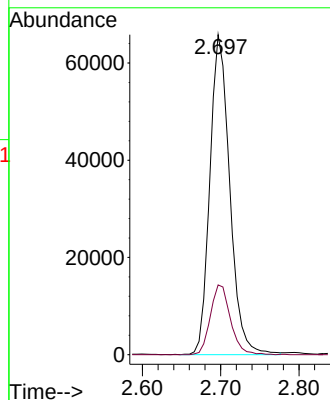
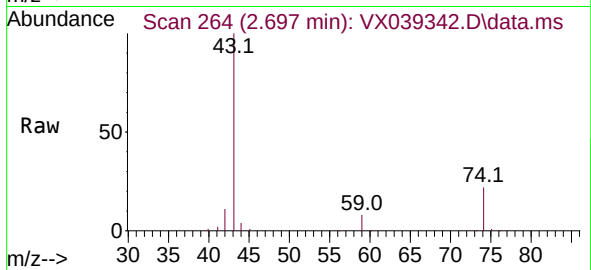




#15  
Methyl Acetate  
Concen: 56.363 ug/L  
RT: 2.697 min Scan# 264  
Delta R.T. -0.006 min  
Lab File: VX039342.D  
Acq: 19 Dec 2023 09:27

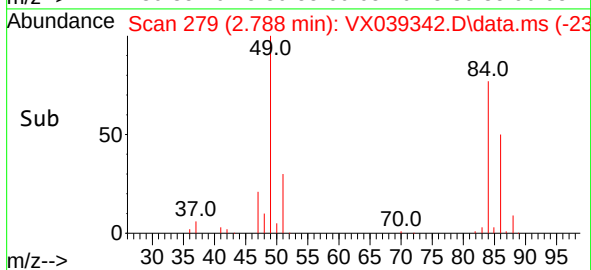
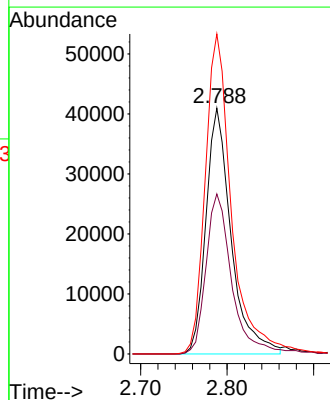
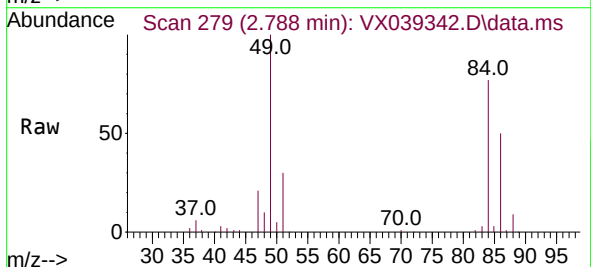
Instrument :  
MSVOA\_X  
ClientSampleId :

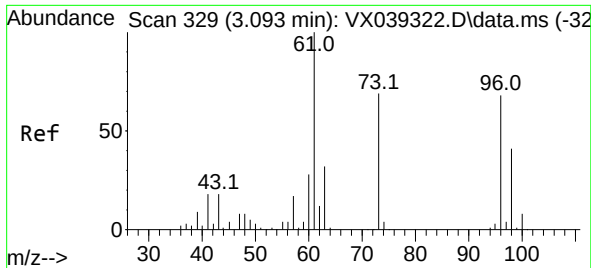
Tgt Ion: 43 Resp: 116143  
Ion Ratio Lower Upper  
43 100  
74 21.9 18.2 27.4



#16  
Methylene chloride  
Concen: 53.091 ug/L  
RT: 2.788 min Scan# 279  
Delta R.T. 0.000 min  
Lab File: VX039342.D  
Acq: 19 Dec 2023 09:27

Tgt Ion: 84 Resp: 83058  
Ion Ratio Lower Upper  
84 100  
86 65.1 44.7 82.9  
49 130.2 90.9 168.7

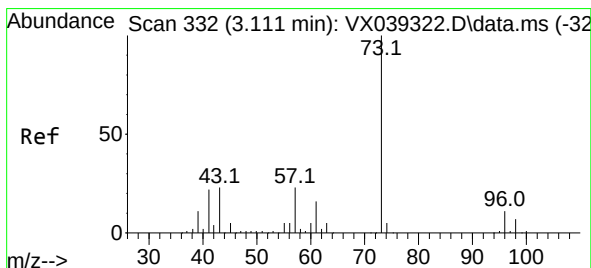
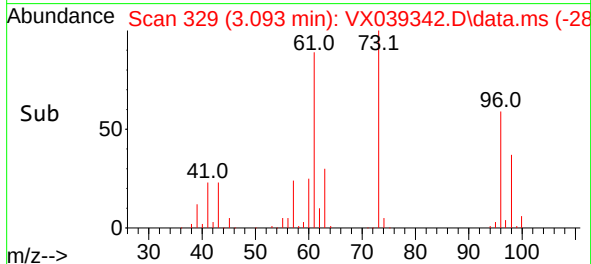
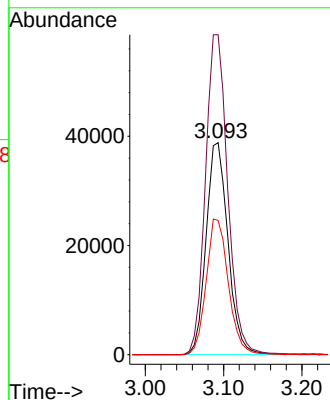
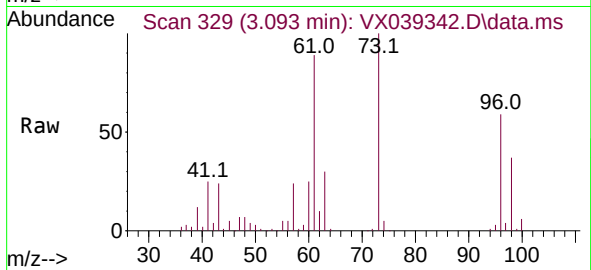




#17  
trans-1,2-Dichloroethene  
Concen: 52.529 ug/L  
RT: 3.093 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VX039342.D  
Acq: 19 Dec 2023 09:27

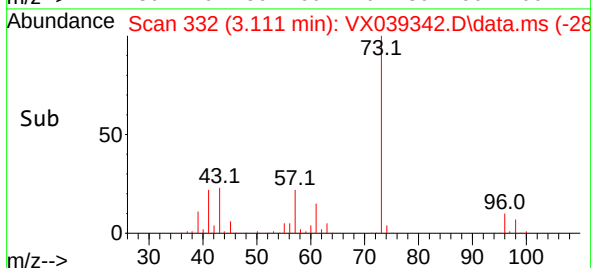
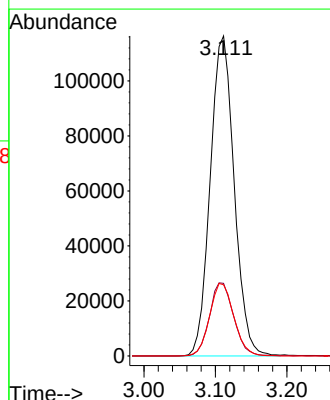
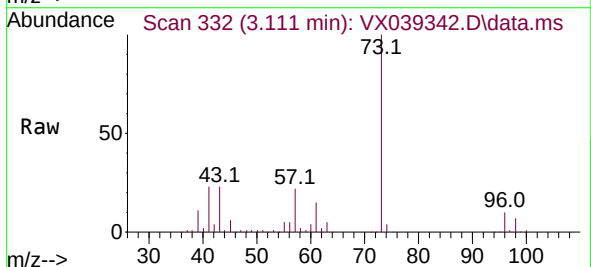
Instrument :  
MSVOA\_X  
ClientSampleId :

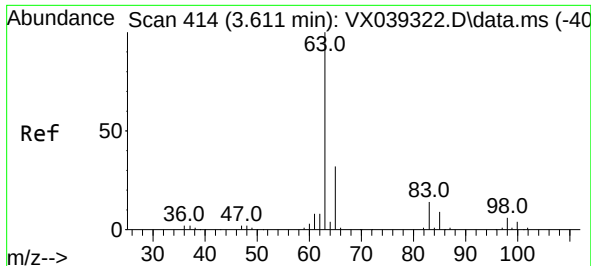
Tgt Ion: 96 Resp: 75362  
Ion Ratio Lower Upper  
96 100  
61 150.9 99.8 185.3  
98 63.3 42.6 79.2



#18  
Methyl tert-butyl Ether  
Concen: 54.224 ug/L  
RT: 3.111 min Scan# 332  
Delta R.T. 0.000 min  
Lab File: VX039342.D  
Acq: 19 Dec 2023 09:27

Tgt Ion: 73 Resp: 270789  
Ion Ratio Lower Upper  
73 100  
43 23.1 16.9 25.3  
57 22.9 18.5 27.7





#19

1,1-Dichloroethane

Concen: 54.359 ug/L

RT: 3.605 min Scan# 41

Delta R.T. -0.006 min

Lab File: VX039342.D

Acq: 19 Dec 2023 09:27

Instrument :

MSVOA\_X

ClientSampleId :

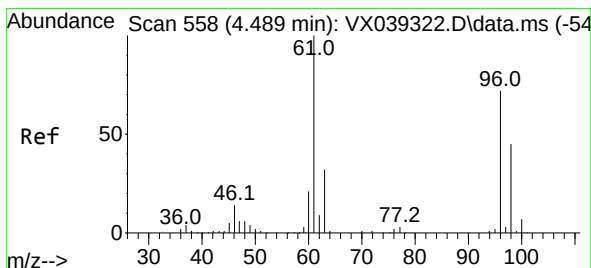
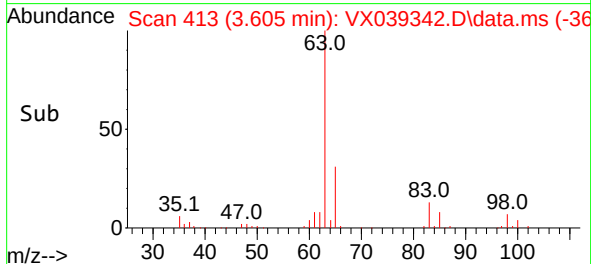
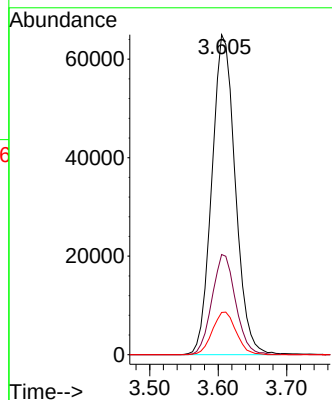
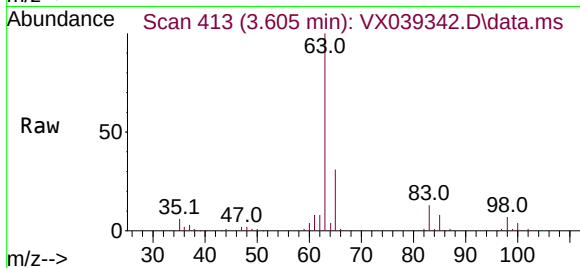
Tgt Ion: 63 Resp: 154205

Ion Ratio Lower Upper

63 100

65 31.3 21.1 39.3

83 13.2 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 52.456 ug/L

RT: 4.483 min Scan# 557

Delta R.T. -0.006 min

Lab File: VX039342.D

Acq: 19 Dec 2023 09:27

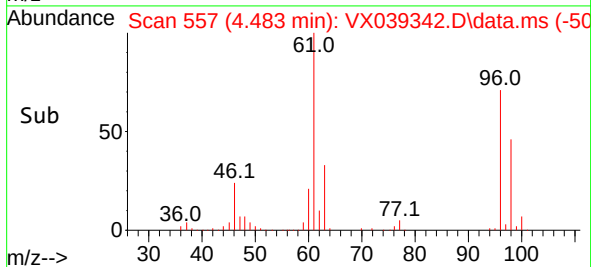
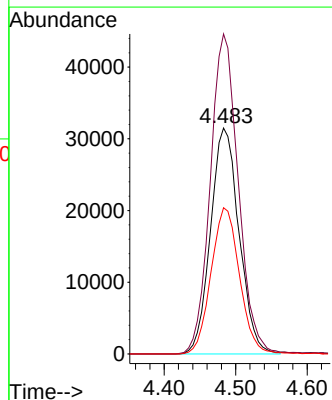
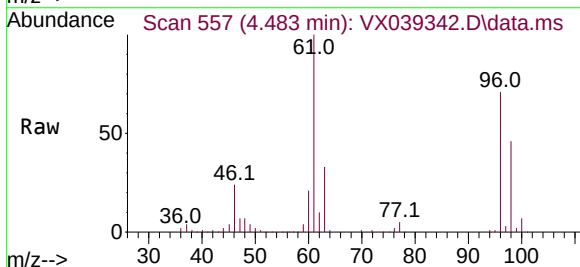
Tgt Ion: 96 Resp: 87290

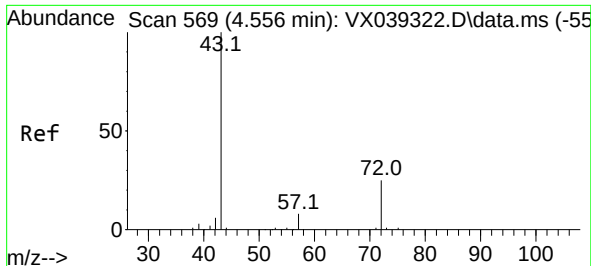
Ion Ratio Lower Upper

96 100

61 141.6 91.7 170.3

98 64.7 44.2 82.2

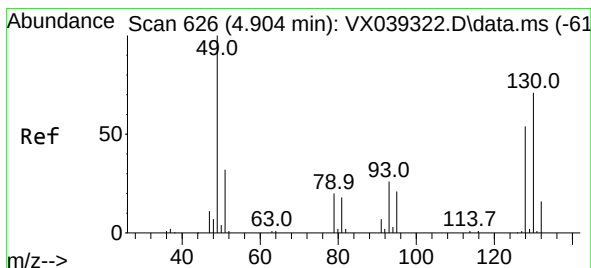
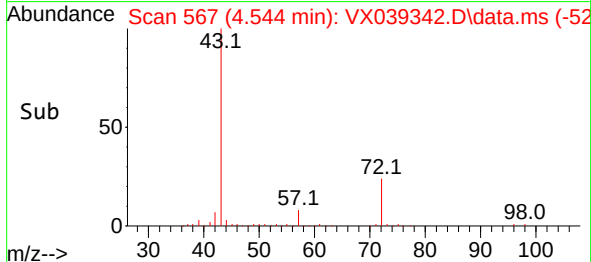
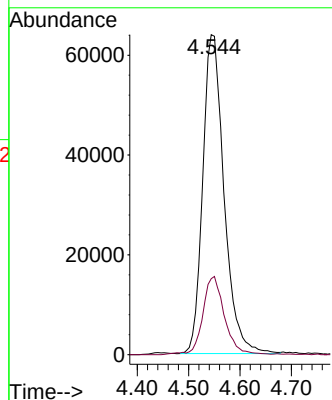
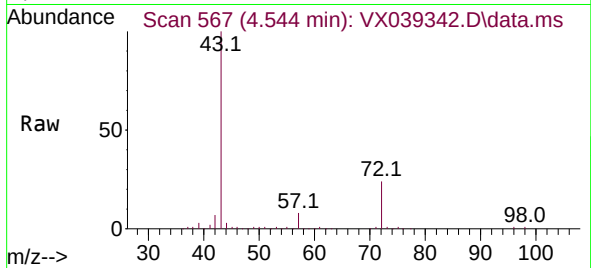




#22  
2-Butanone  
Concen: 104.123 ug/L  
RT: 4.544 min Scan# 50  
Delta R.T. -0.012 min  
Lab File: VX039342.D  
Acq: 19 Dec 2023 09:27

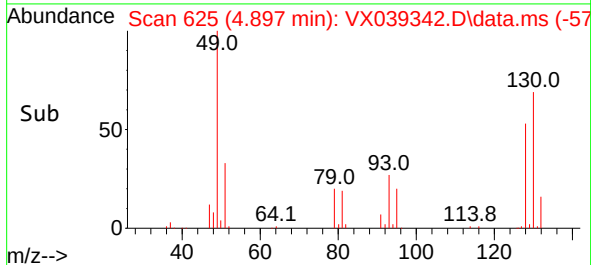
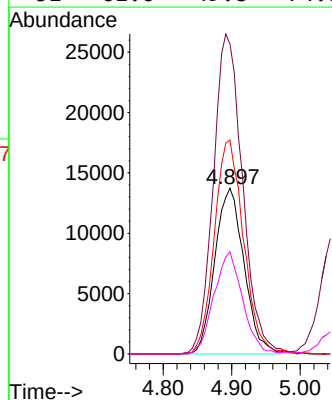
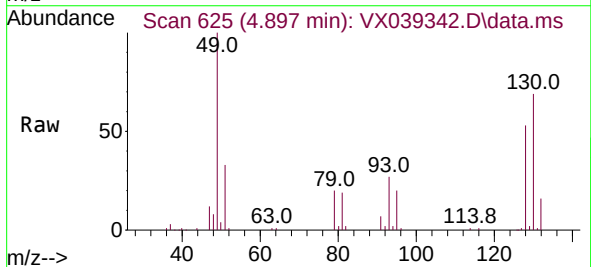
Instrument :  
MSVOA\_X  
ClientSampleId :

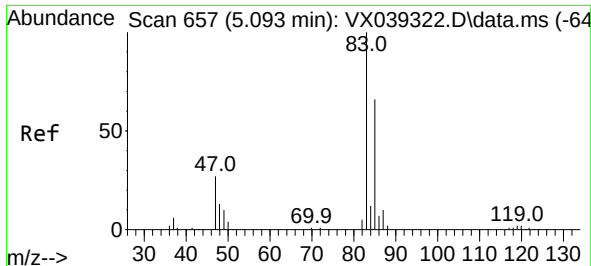
Tgt Ion: 43 Resp: 184223  
Ion Ratio Lower Upper  
43 100  
72 24.5 12.6 37.6



#23  
Bromochloromethane  
Concen: 51.944 ug/L  
RT: 4.897 min Scan# 625  
Delta R.T. -0.006 min  
Lab File: VX039342.D  
Acq: 19 Dec 2023 09:27

Tgt Ion:128 Resp: 40633  
Ion Ratio Lower Upper  
128 100  
49 187.1 130.8 243.0  
130 129.2 90.6 168.3  
51 61.6 49.8 74.8





#25

Chloroform

Concen: 56.133 ug/L

RT: 5.086 min Scan# 61

Delta R.T. -0.006 min

Lab File: VX039342.D

Acq: 19 Dec 2023 09:27

Instrument :

MSVOA\_X

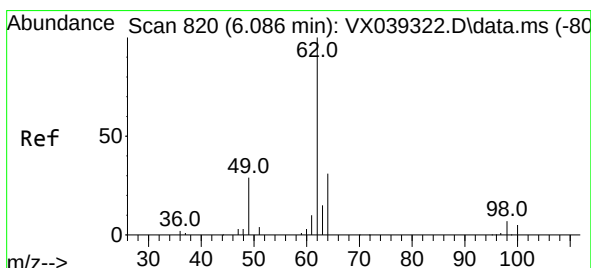
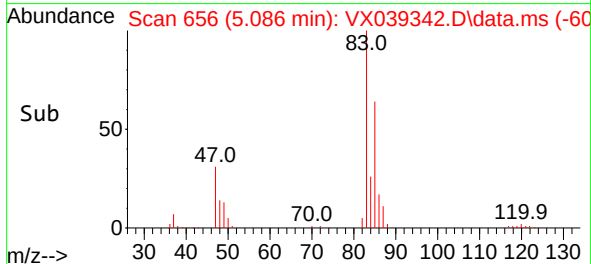
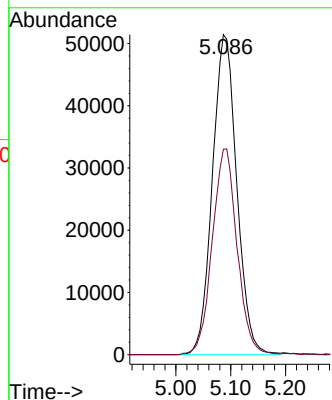
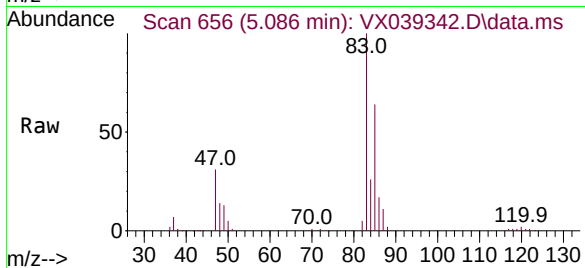
ClientSampleId :

Tgt Ion: 83 Resp: 158826

Ion Ratio Lower Upper

83 100

85 64.2 45.1 83.7



#27

1,2-Dichloroethane

Concen: 58.598 ug/L

RT: 6.080 min Scan# 819

Delta R.T. -0.006 min

Lab File: VX039342.D

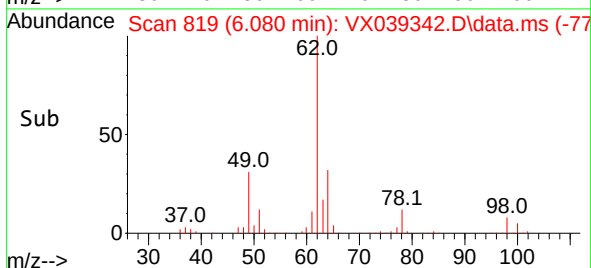
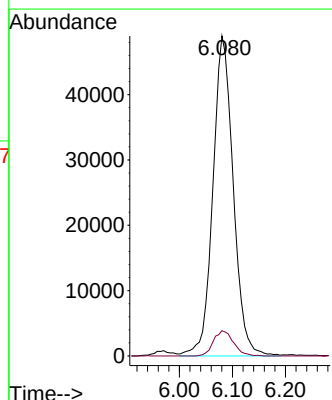
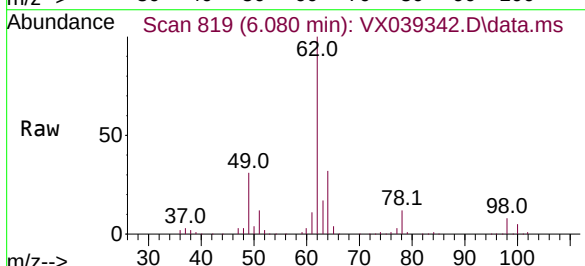
Acq: 19 Dec 2023 09:27

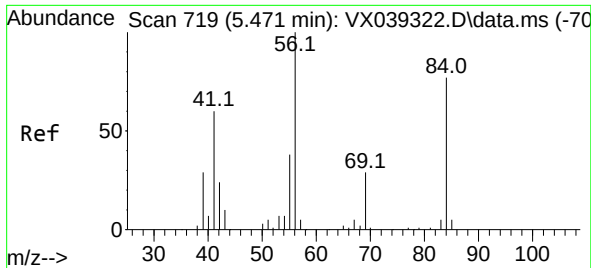
Tgt Ion: 62 Resp: 130861

Ion Ratio Lower Upper

62 100

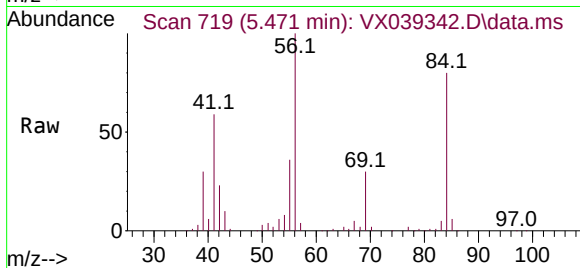
98 7.9 8.0 12.0#



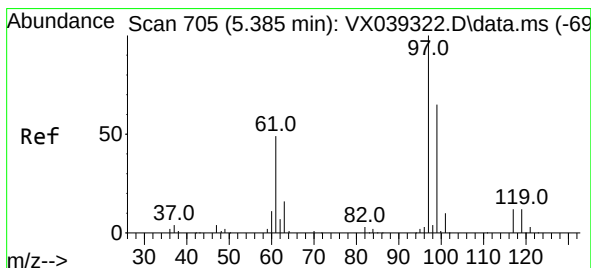
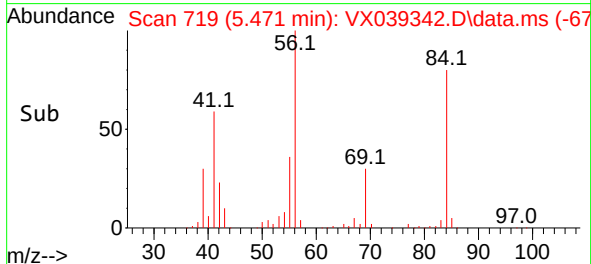
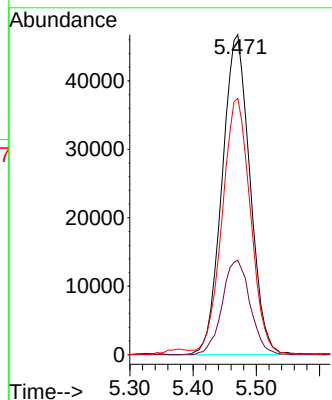


#29  
Cyclohexane  
Concen: 51.340 ug/L  
RT: 5.471 min Scan# 719  
Delta R.T. 0.000 min  
Lab File: VX039342.D  
Acq: 19 Dec 2023 09:27

Instrument :  
MSVOA\_X  
ClientSampleId :

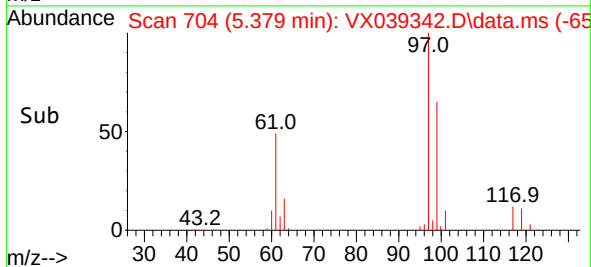
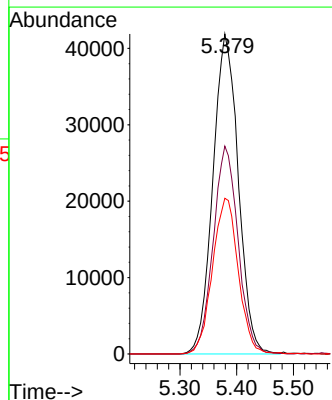
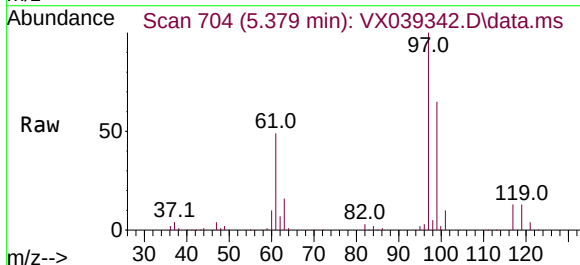


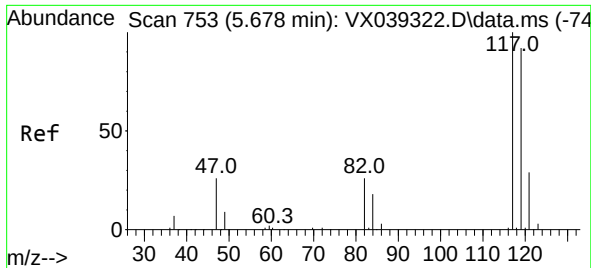
Tgt Ion: 56 Resp: 142403  
Ion Ratio Lower Upper  
56 100  
69 29.7 24.5 36.7  
84 81.7 67.0 100.4



#30  
1,1,1-Trichloroethane  
Concen: 54.079 ug/L  
RT: 5.379 min Scan# 704  
Delta R.T. -0.006 min  
Lab File: VX039342.D  
Acq: 19 Dec 2023 09:27

Tgt Ion: 97 Resp: 130103  
Ion Ratio Lower Upper  
97 100  
99 63.7 51.0 76.4  
61 49.4 36.7 55.1

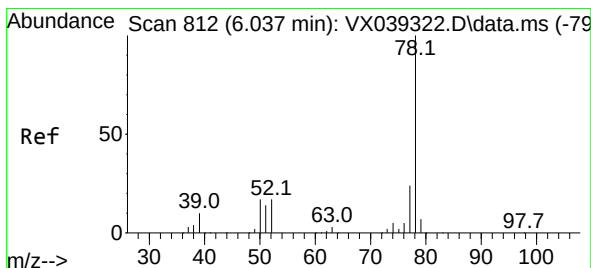
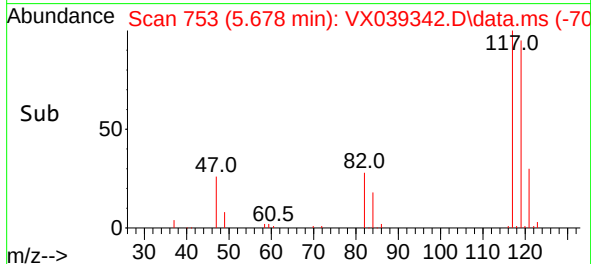
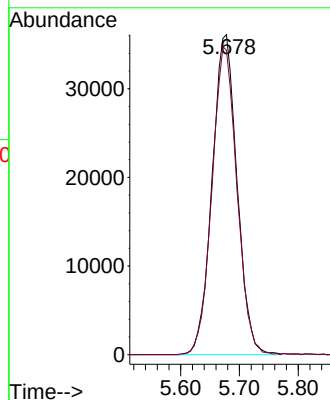
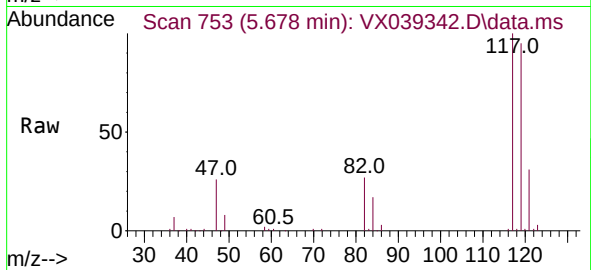




#31  
Carbon tetrachloride  
Concen: 52.951 ug/L  
RT: 5.678 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VX039342.D  
Acq: 19 Dec 2023 09:27

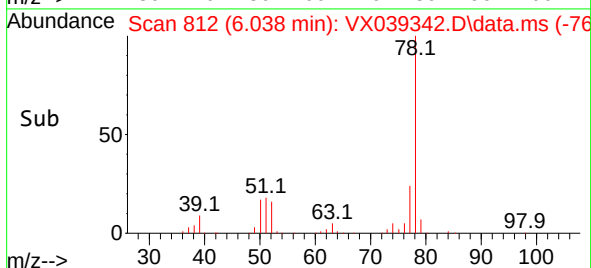
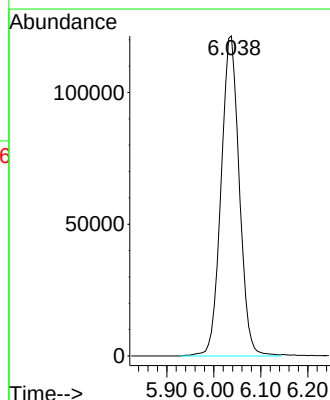
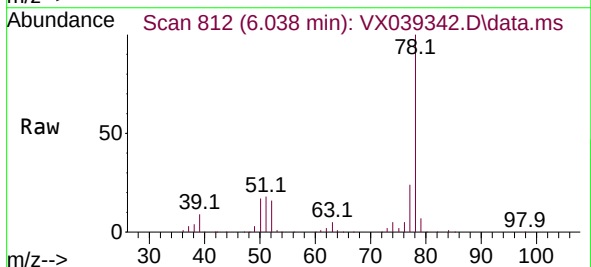
Instrument :  
MSVOA\_X  
ClientSampleId :

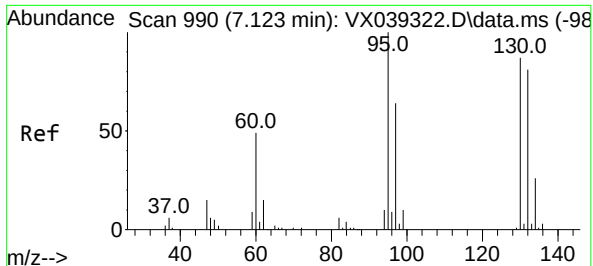
Tgt Ion:117 Resp: 106284  
Ion Ratio Lower Upper  
117 100  
119 96.2 77.0 115.4



#33  
Benzene  
Concen: 52.102 ug/L  
RT: 6.038 min Scan# 812  
Delta R.T. 0.000 min  
Lab File: VX039342.D  
Acq: 19 Dec 2023 09:27

Tgt Ion: 78 Resp: 328307

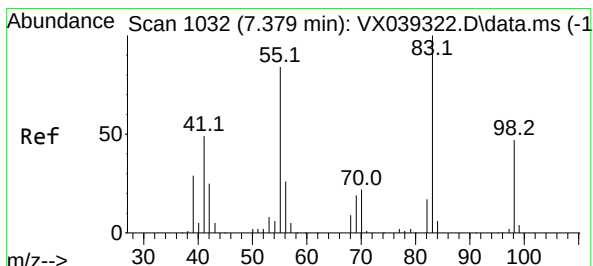
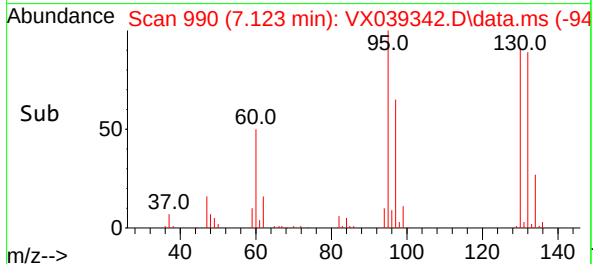
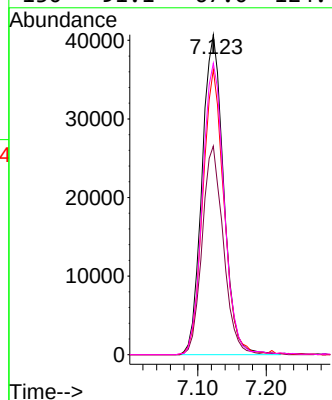
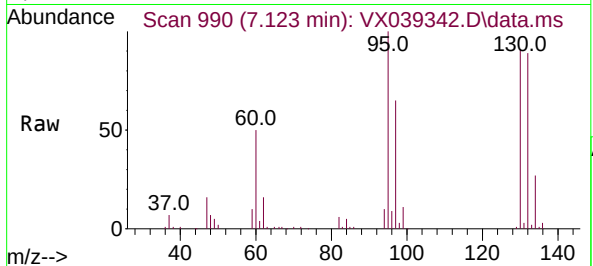




#34  
Trichloroethene  
Concen: 53.650 ug/L  
RT: 7.123 min Scan# 990  
Delta R.T. 0.000 min  
Lab File: VX039342.D  
Acq: 19 Dec 2023 09:27

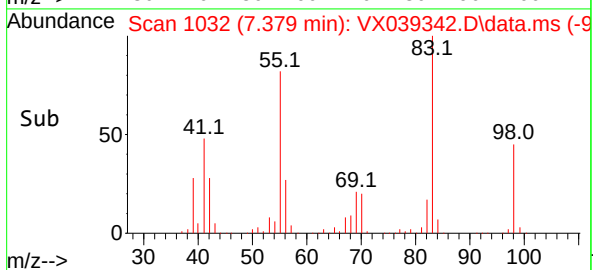
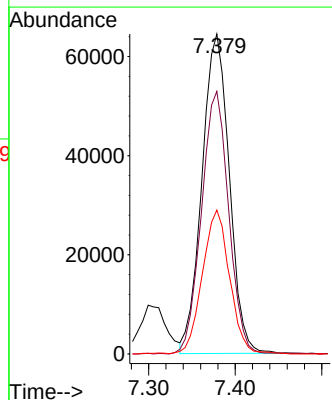
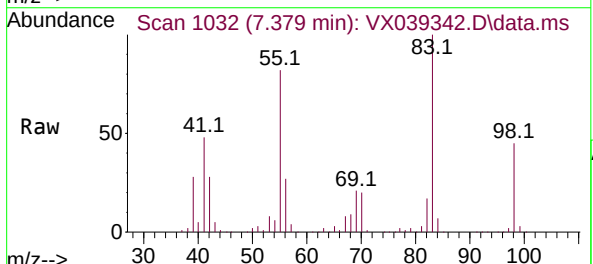
Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion: 95 Resp: 89341  
Ion Ratio Lower Upper  
95 100  
97 65.2 45.5 84.5  
132 89.1 62.2 115.4  
130 91.1 67.0 124.4

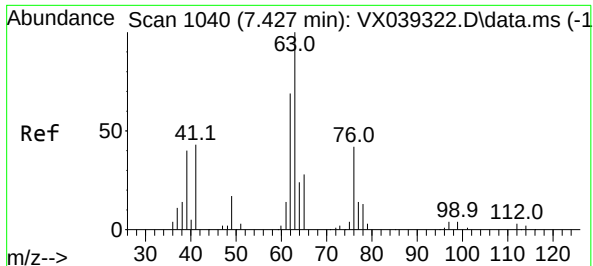


#35  
Methylcyclohexane  
Concen: 50.993 ug/L  
RT: 7.379 min Scan# 1032  
Delta R.T. 0.000 min  
Lab File: VX039342.D  
Acq: 19 Dec 2023 09:27

Tgt Ion: 83 Resp: 141426  
Ion Ratio Lower Upper  
83 100  
55 81.8 62.5 93.7  
98 44.9 36.1 54.1







#37

1,2-Dichloropropane

Concen: 51.322 ug/L

RT: 7.428 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX039342.D

Acq: 19 Dec 2023 09:27

Instrument :

MSVOA\_X

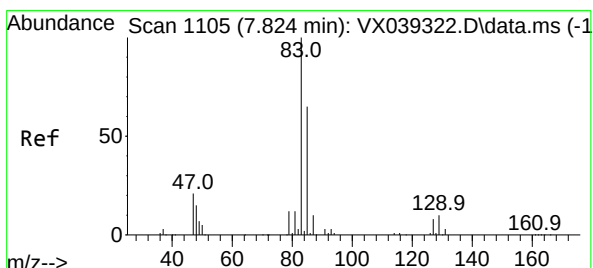
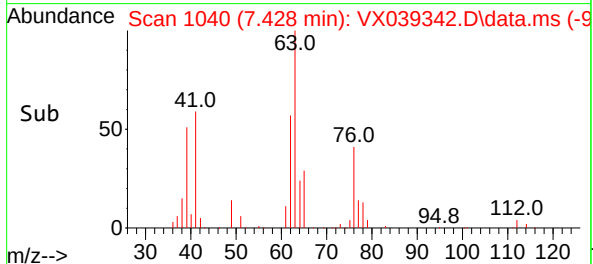
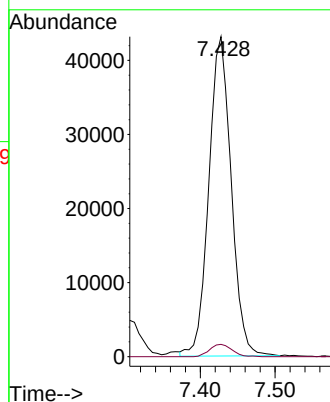
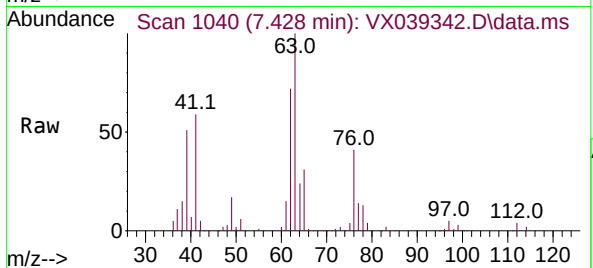
ClientSampleId :

Tgt Ion: 63 Resp: 89689

Ion Ratio Lower Upper

63 100

112 3.9 2.8 4.2



#38

Bromodichloromethane

Concen: 53.629 ug/L

RT: 7.818 min Scan# 1104

Delta R.T. -0.006 min

Lab File: VX039342.D

Acq: 19 Dec 2023 09:27

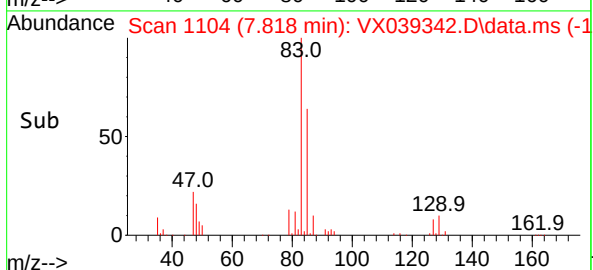
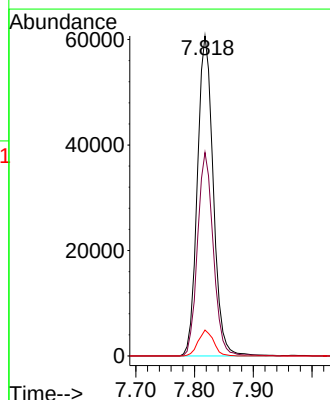
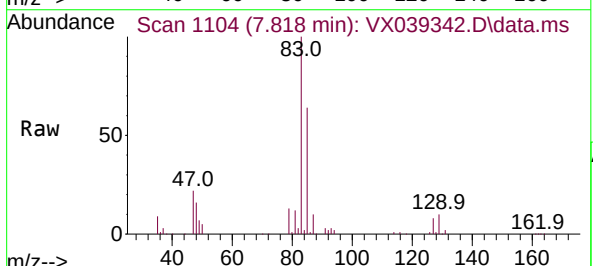
Tgt Ion: 83 Resp: 113992

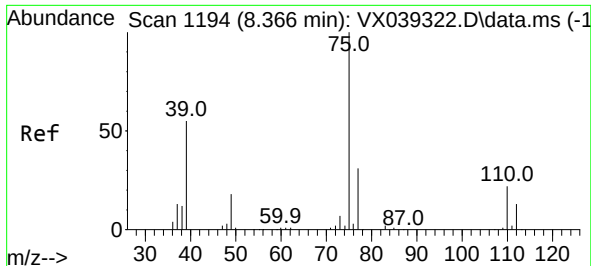
Ion Ratio Lower Upper

83 100

85 63.6 43.3 80.5

127 8.1 5.8 8.6





#39

cis-1,3-Dichloropropene

Concen: 51.068 ug/L

RT: 8.360 min Scan# 1194

Delta R.T. -0.006 min

Lab File: VX039342.D

Acq: 19 Dec 2023 09:27

Instrument :

MSVOA\_X

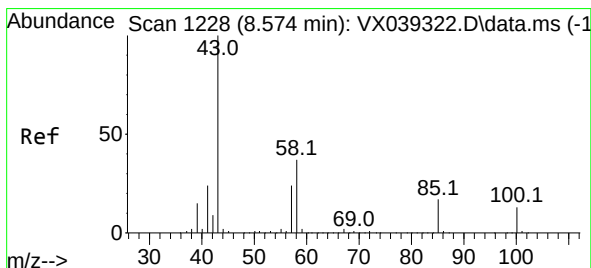
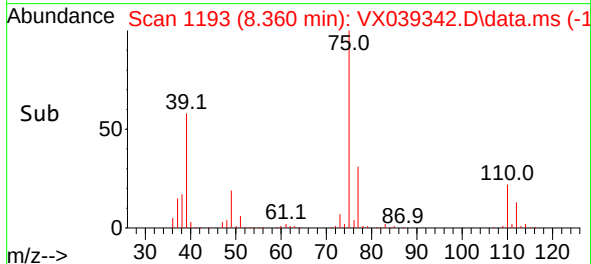
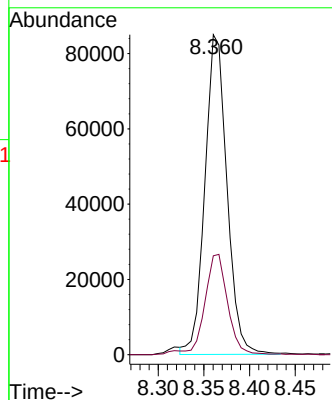
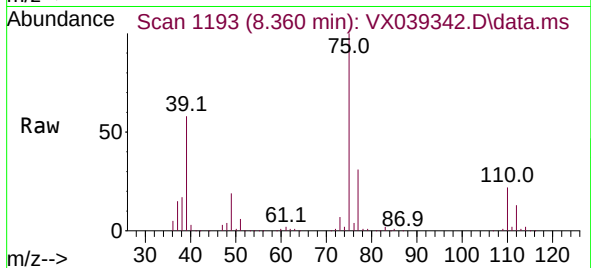
ClientSampleId :

Tgt Ion: 75 Resp: 142339

Ion Ratio Lower Upper

75 100

77 30.9 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 107.251 ug/L

RT: 8.568 min Scan# 1227

Delta R.T. -0.006 min

Lab File: VX039342.D

Acq: 19 Dec 2023 09:27

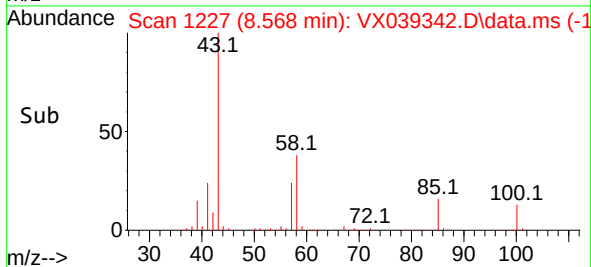
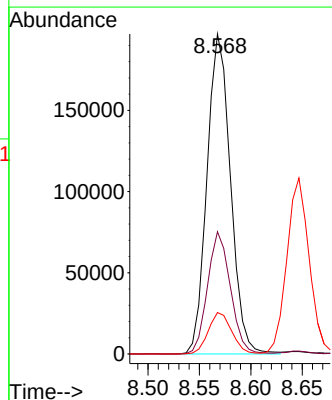
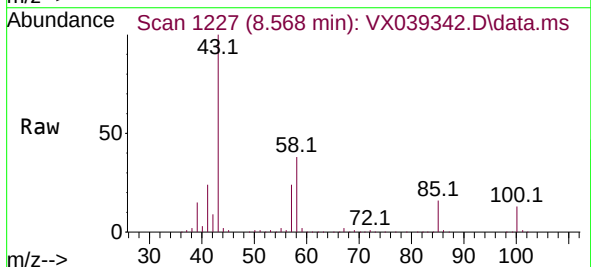
Tgt Ion: 43 Resp: 314126

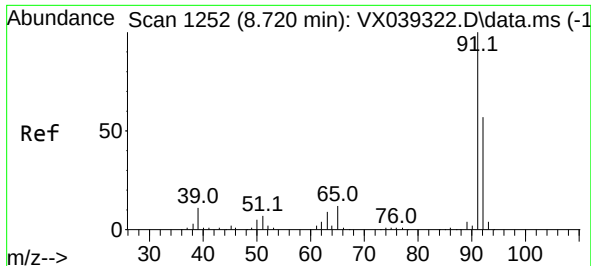
Ion Ratio Lower Upper

43 100

58 37.2 30.9 46.3

100 12.9 10.6 16.0





#42

Toluene

Concen: 52.053 ug/L

RT: 8.714 min Scan# 1251

Delta R.T. -0.006 min

Lab File: VX039342.D

Acq: 19 Dec 2023 09:27

Instrument :

MSVOA\_X

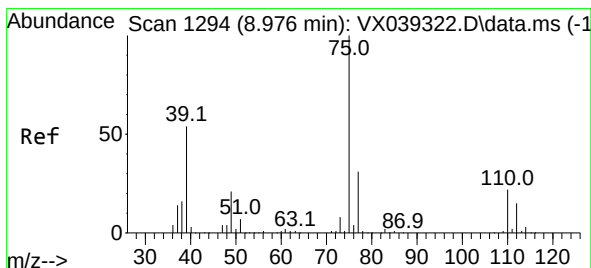
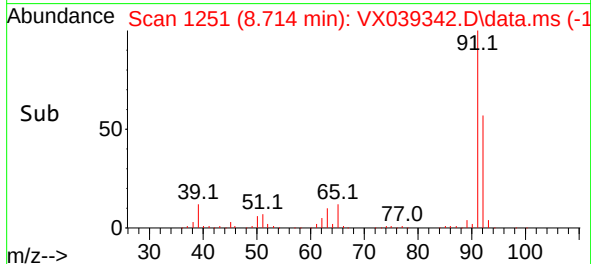
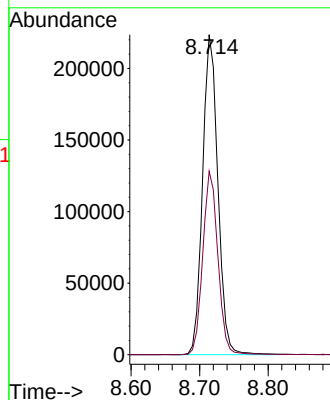
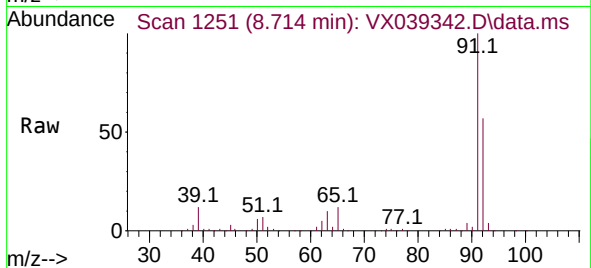
ClientSampleId :

Tgt Ion: 91 Resp: 347822

Ion Ratio Lower Upper

91 100

92 57.3 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 51.850 ug/L

RT: 8.976 min Scan# 1294

Delta R.T. 0.000 min

Lab File: VX039342.D

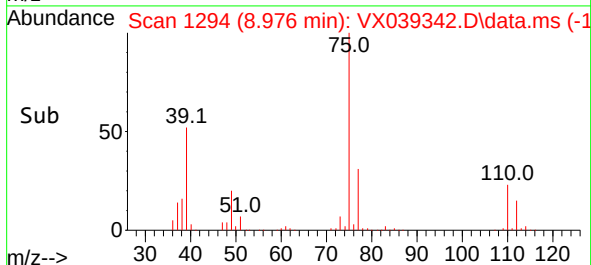
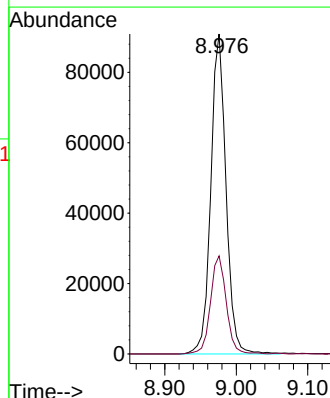
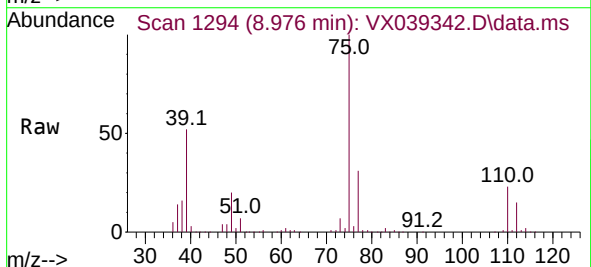
Acq: 19 Dec 2023 09:27

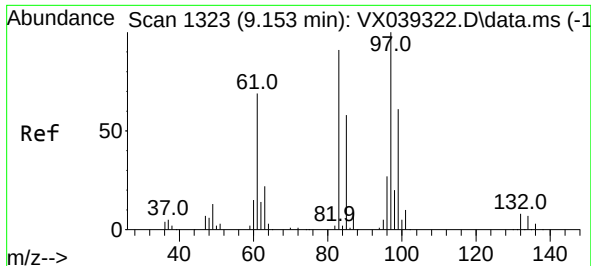
Tgt Ion: 75 Resp: 134112

Ion Ratio Lower Upper

75 100

77 30.7 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 52.388 ug/L

RT: 9.147 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX039342.D

Acq: 19 Dec 2023 09:27

Instrument :

MSVOA\_X

ClientSampleId :

Tgt Ion: 97 Resp: 83900

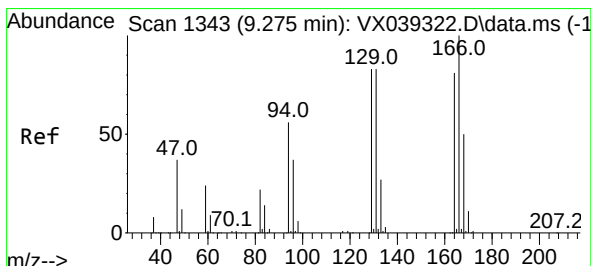
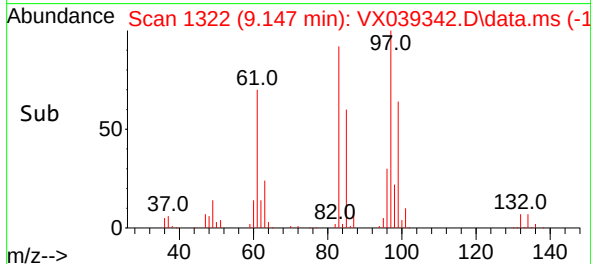
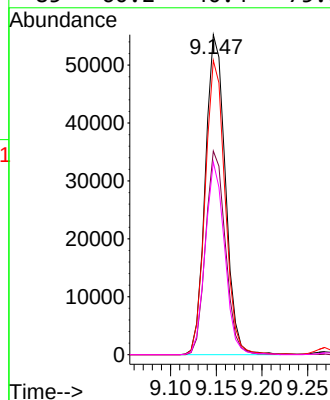
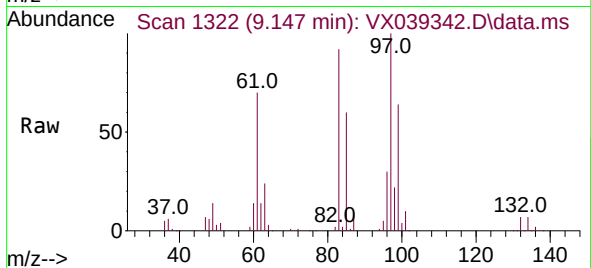
Ion Ratio Lower Upper

97 100

99 63.6 43.1 80.1

83 92.0 64.0 118.8

85 60.2 40.4 75.0



#46

Tetrachloroethene

Concen: 52.936 ug/L

RT: 9.269 min Scan# 1342

Delta R.T. -0.006 min

Lab File: VX039342.D

Acq: 19 Dec 2023 09:27

Tgt Ion: 164 Resp: 58151

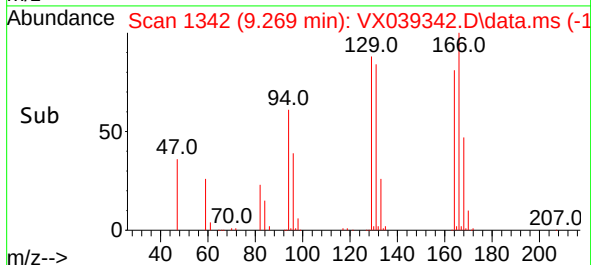
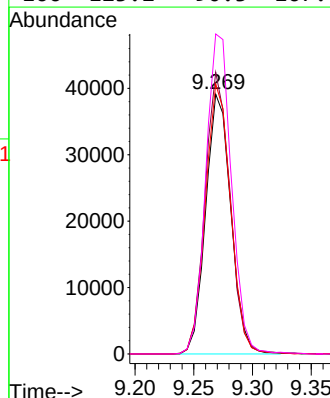
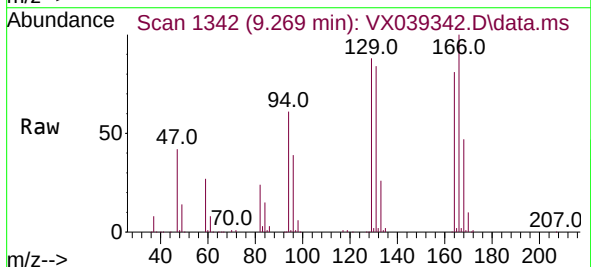
Ion Ratio Lower Upper

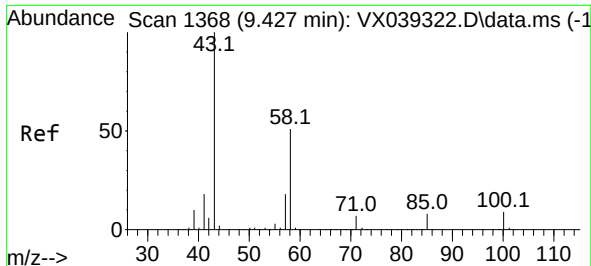
164 100

129 108.4 71.9 133.5

131 103.9 69.5 129.1

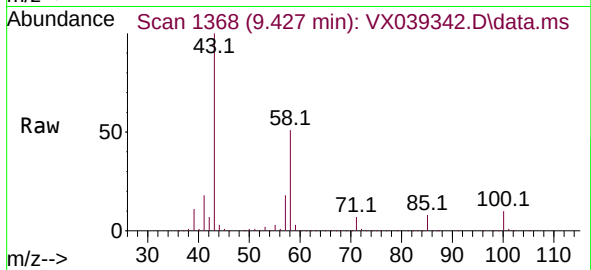
166 123.2 90.3 167.7



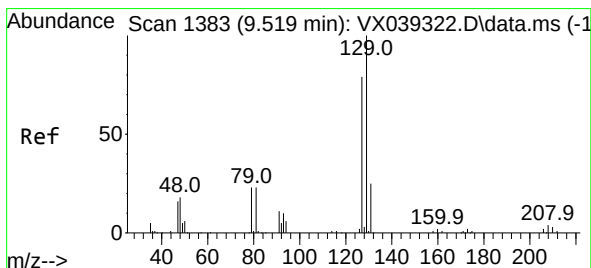
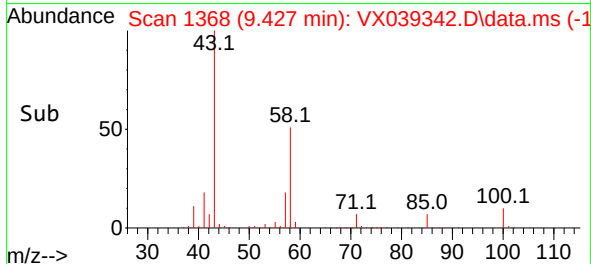
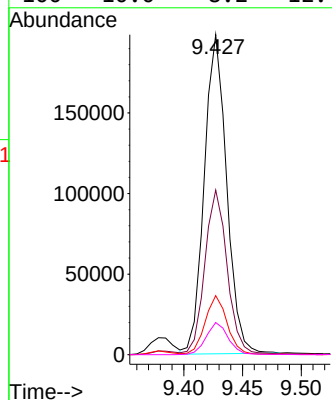


#48  
2-Hexanone  
Concen: 106.978 ug/L  
RT: 9.427 min Scan# 1368  
Delta R.T. 0.000 min  
Lab File: VX039342.D  
Acq: 19 Dec 2023 09:27

Instrument :  
MSVOA\_X  
ClientSampleId :

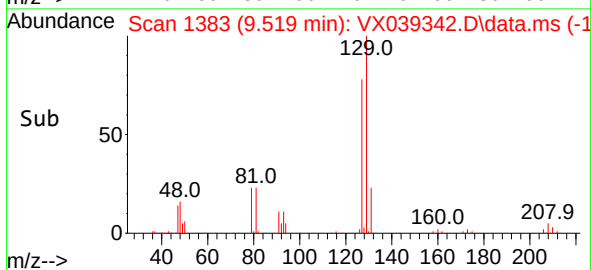
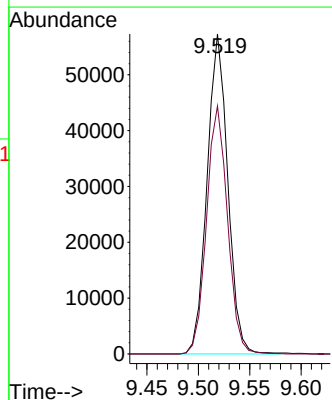
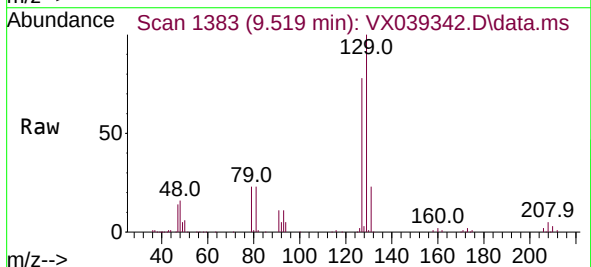


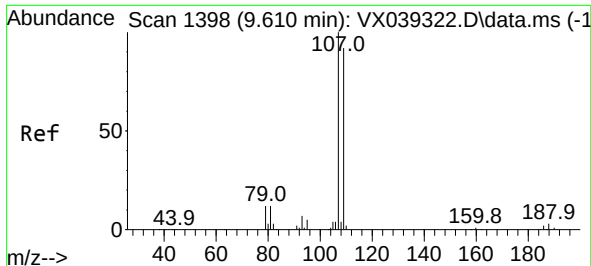
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 262243 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 51.7  | 43.0  | 64.6   |
| 57       | 18.5  | 14.6  | 21.8   |
| 100      | 10.0  | 8.2   | 12.4   |



#49  
Dibromochloromethane  
Concen: 51.564 ug/L  
RT: 9.519 min Scan# 1383  
Delta R.T. 0.000 min  
Lab File: VX039342.D  
Acq: 19 Dec 2023 09:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 80451 |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 77.5  | 55.2  | 102.4 |





#50

1,2-Dibromoethane

Concen: 52.247 ug/L

RT: 9.604 min Scan# 1397

Delta R.T. -0.006 min

Lab File: VX039342.D

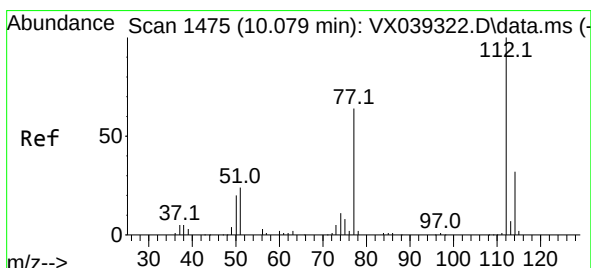
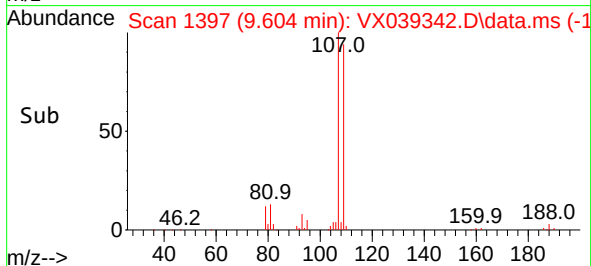
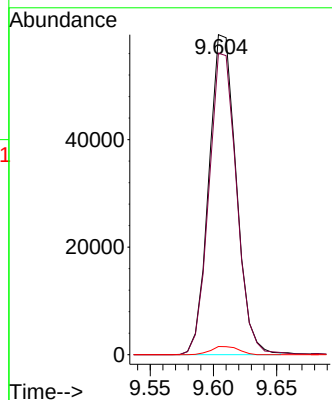
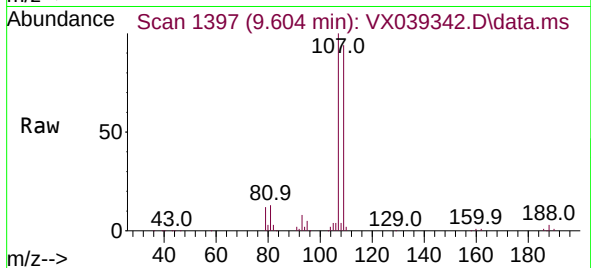
Acq: 19 Dec 2023 09:27

Instrument :

MSVOA\_X

ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:107 | Resp: | 89644      |
| Ion Ratio   | Lower | Upper      |
| 107         | 100   |            |
| 109         | 94.2  | 65.2 121.0 |
| 188         | 2.5   | 2.5 3.7    |



#51

Chlorobenzene

Concen: 52.084 ug/L

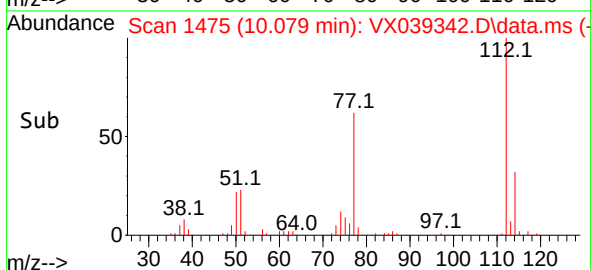
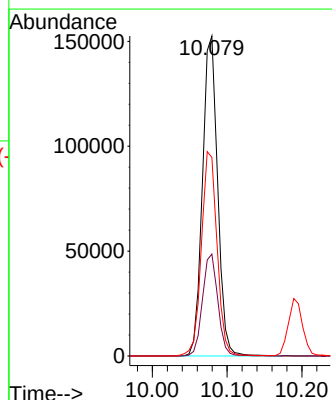
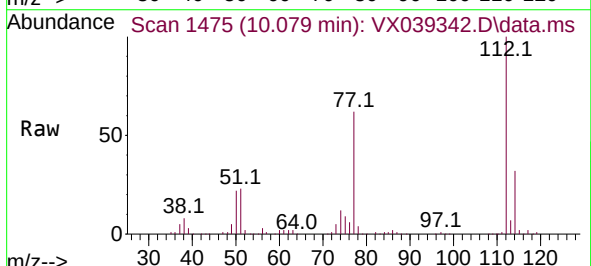
RT: 10.079 min Scan# 1475

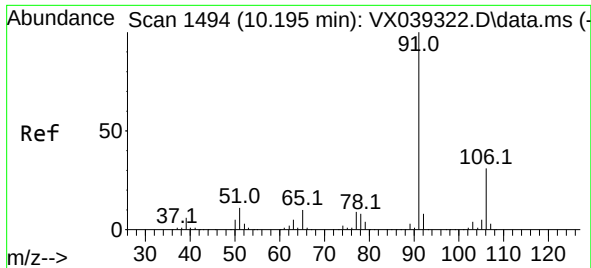
Delta R.T. 0.000 min

Lab File: VX039342.D

Acq: 19 Dec 2023 09:27

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:112 | Resp: | 214973    |
| Ion Ratio   | Lower | Upper     |
| 112         | 100   |           |
| 114         | 31.9  | 21.8 40.4 |
| 77          | 62.0  | 49.0 73.6 |

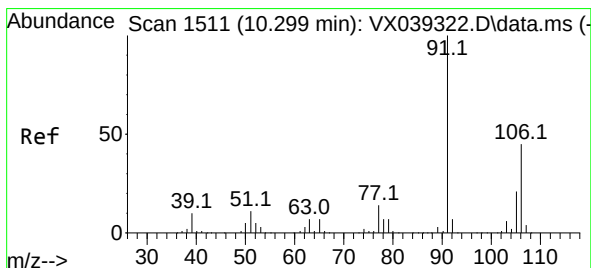
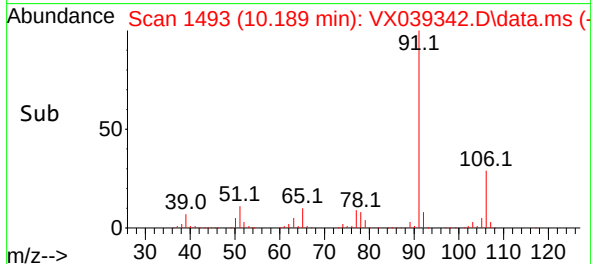
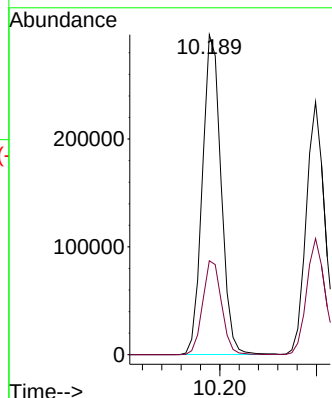
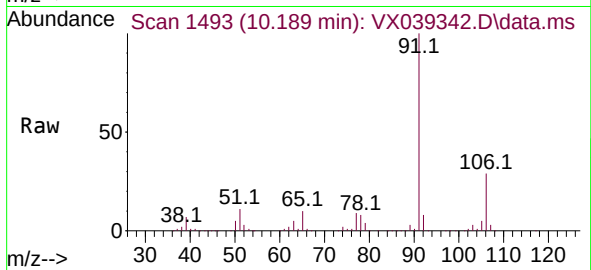




#52  
Ethylbenzene  
Concen: 53.454 ug/L  
RT: 10.189 min Scan# 1494  
Delta R.T. -0.006 min  
Lab File: VX039342.D  
Acq: 19 Dec 2023 09:27

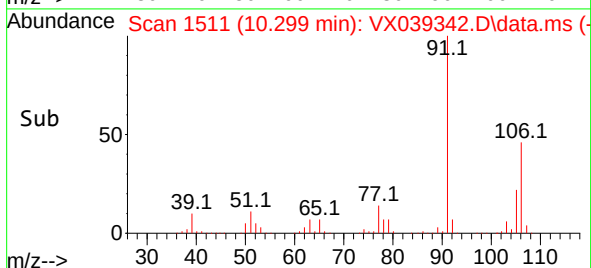
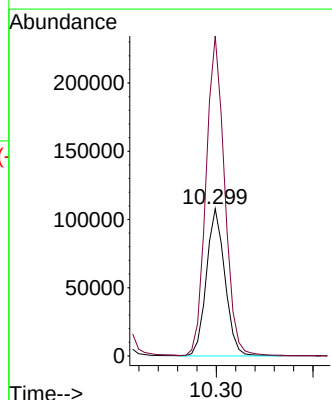
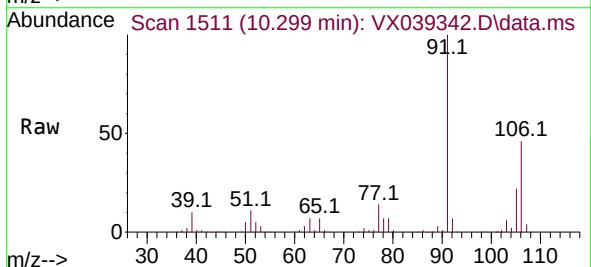
Instrument :  
MSVOA\_X  
ClientSampleId :

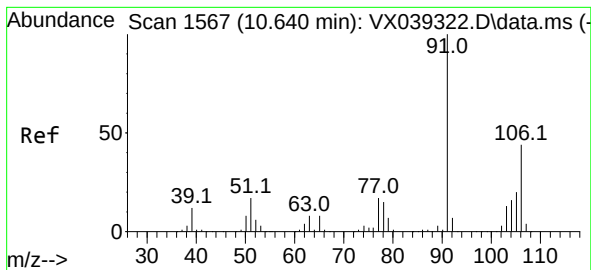
Tgt Ion: 91 Resp: 399309  
Ion Ratio Lower Upper  
91 100  
106 29.4 21.2 39.4



#53  
m,p-Xylene  
Concen: 51.529 ug/L  
RT: 10.299 min Scan# 1511  
Delta R.T. 0.000 min  
Lab File: VX039342.D  
Acq: 19 Dec 2023 09:27

Tgt Ion: 106 Resp: 143921  
Ion Ratio Lower Upper  
106 100  
91 217.5 149.0 276.8





#54

o-Xylene

Concen: 51.863 ug/L

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX039342.D

Acq: 19 Dec 2023 09:27

Instrument :

MSVOA\_X

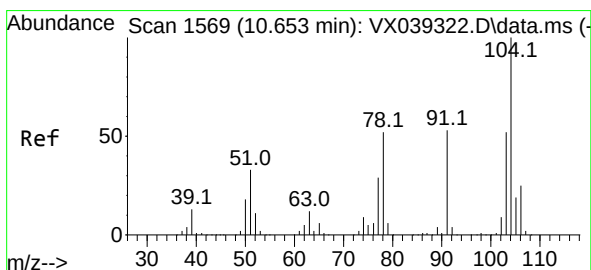
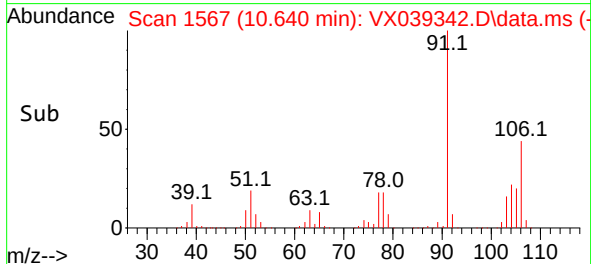
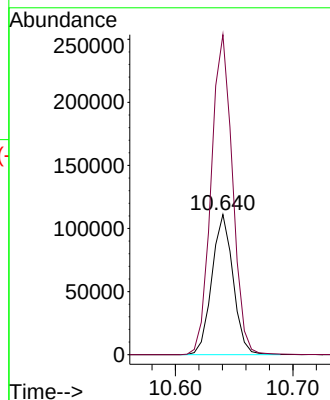
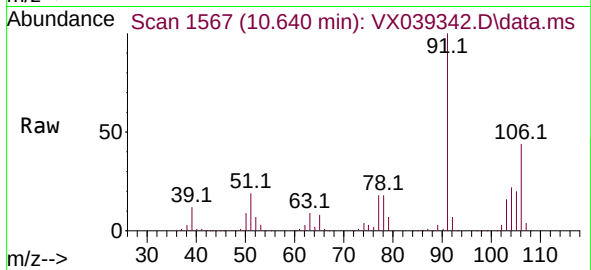
ClientSampleId :

Tgt Ion:106 Resp: 138995

Ion Ratio Lower Upper

106 100

91 228.2 156.2 290.0



#55

Styrene

Concen: 52.959 ug/L

RT: 10.653 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX039342.D

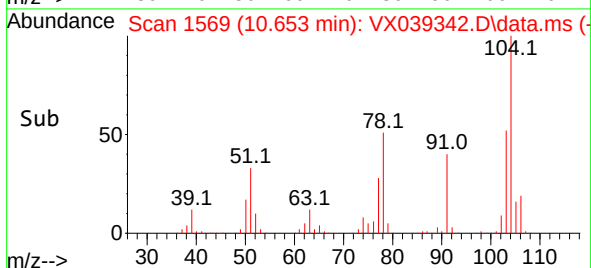
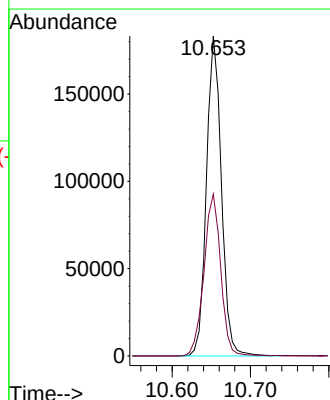
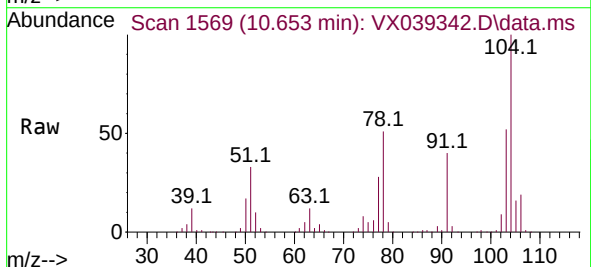
Acq: 19 Dec 2023 09:27

Tgt Ion:104 Resp: 242852

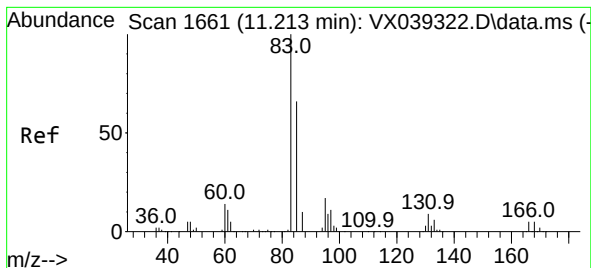
Ion Ratio Lower Upper

104 100

78 50.6 33.5 62.1







#57

1,1,2,2-Tetrachloroethane

Concen: 52.827 ug/L

RT: 11.207 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX039342.D

Acq: 19 Dec 2023 09:27

Instrument :

MSVOA\_X

ClientSampleId :

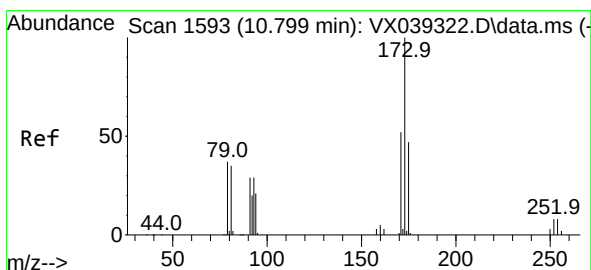
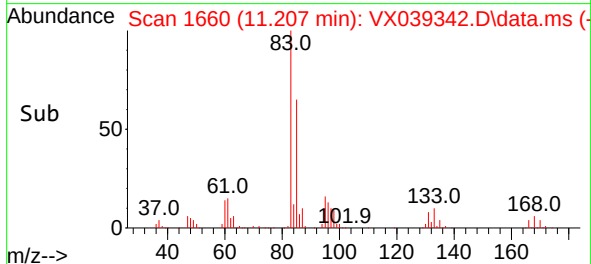
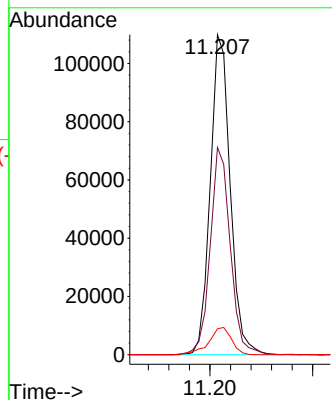
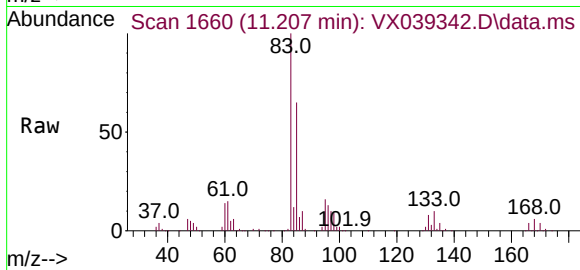
Tgt Ion: 83 Resp: 147649

Ion Ratio Lower Upper

83 100

85 64.8 45.2 84.0

131 8.1 7.2 10.8



#59

Bromoform

Concen: 47.387 ug/L

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX039342.D

Acq: 19 Dec 2023 09:27

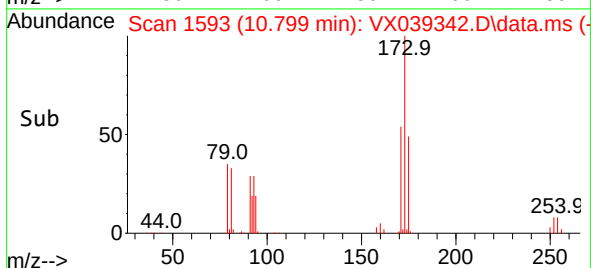
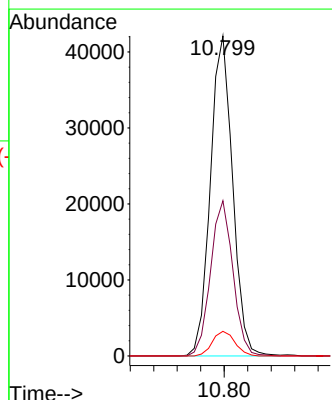
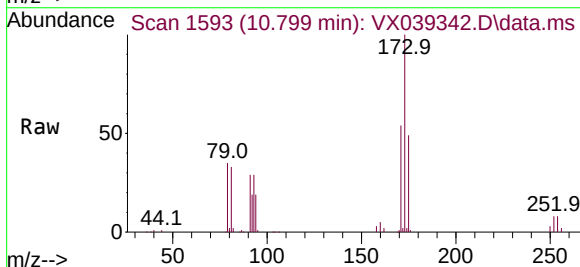
Tgt Ion:173 Resp: 55321

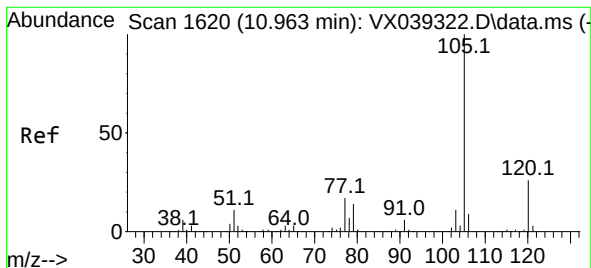
Ion Ratio Lower Upper

173 100

175 48.8 38.7 58.1

254 7.8 6.2 9.2





#60

Isopropylbenzene

Concen: 53.678 ug/L

RT: 10.957 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX039342.D

Acq: 19 Dec 2023 09:27

Instrument :

MSVOA\_X

ClientSampleId :

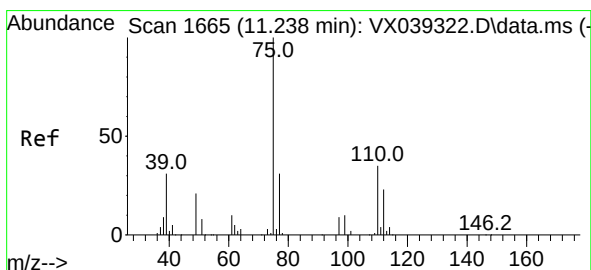
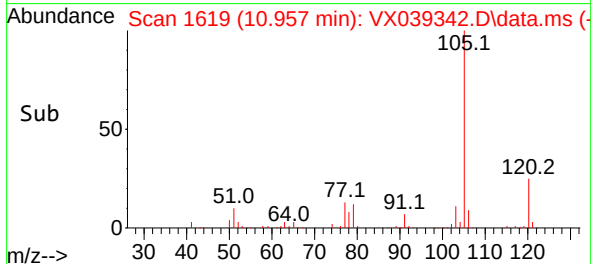
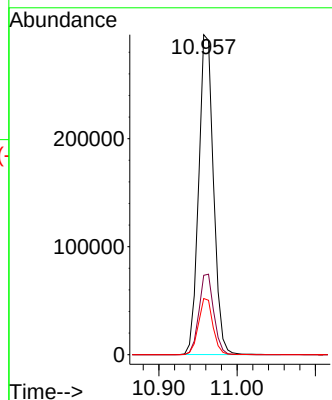
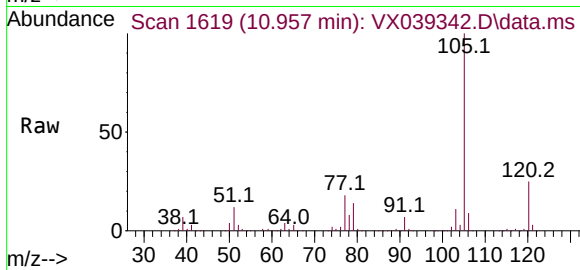
Tgt Ion:105 Resp: 389612

Ion Ratio Lower Upper

105 100

120 25.1 20.5 30.7

77 17.2 13.0 19.6



#61

1,2,3-Trichloropropane

Concen: 53.355 ug/L

RT: 11.238 min Scan# 1665

Delta R.T. 0.000 min

Lab File: VX039342.D

Acq: 19 Dec 2023 09:27

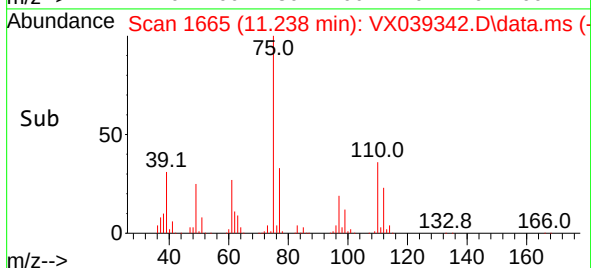
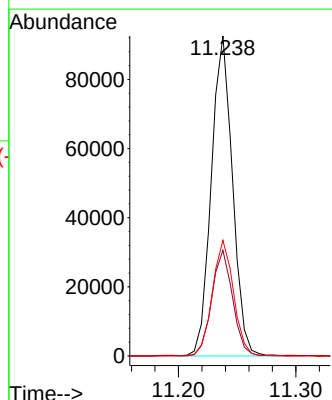
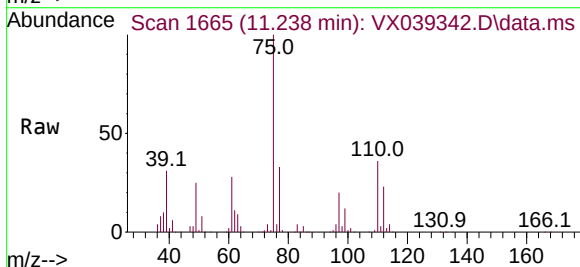
Tgt Ion: 75 Resp: 116099

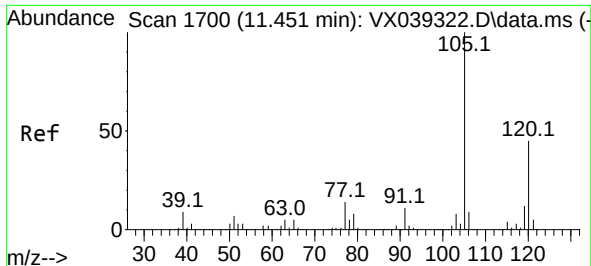
Ion Ratio Lower Upper

75 100

77 32.5 25.8 38.6

110 36.0 28.4 42.6





#62

1,3,5-Trimethylbenzene

Concen: 53.669 ug/L

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX039342.D

Acq: 19 Dec 2023 09:27

Instrument :

MSVOA\_X

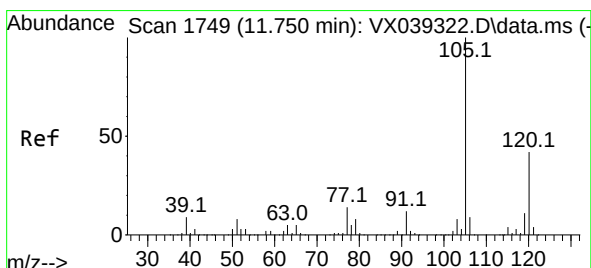
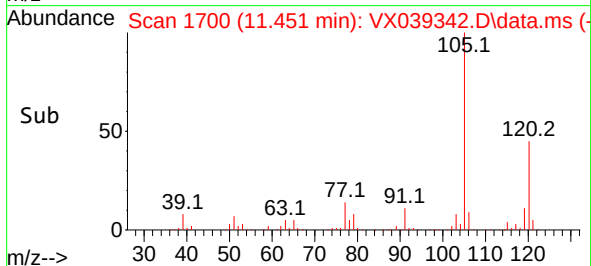
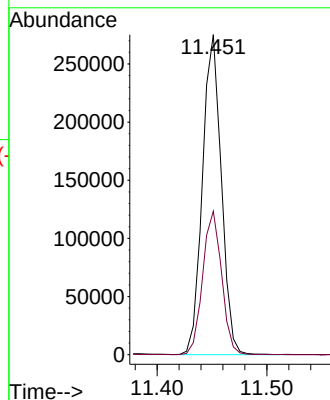
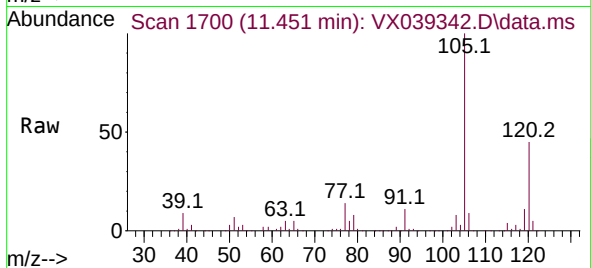
ClientSampleId :

Tgt Ion:105 Resp: 328877

Ion Ratio Lower Upper

105 100

120 44.7 37.0 55.6



#63

1,2,4-Trimethylbenzene

Concen: 53.227 ug/L

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX039342.D

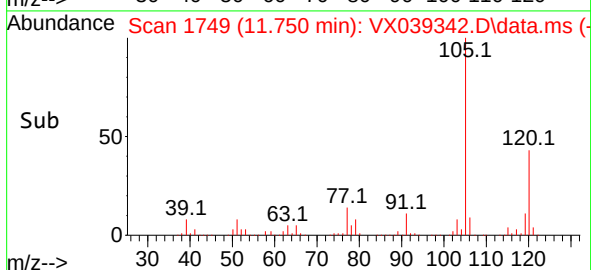
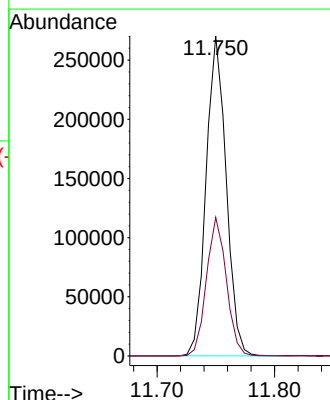
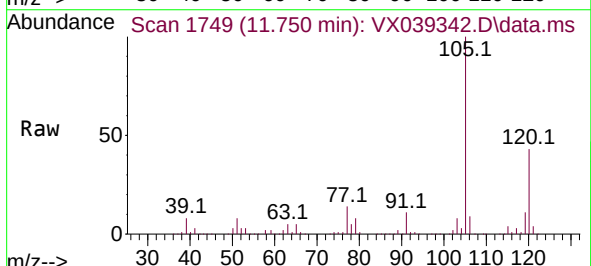
Acq: 19 Dec 2023 09:27

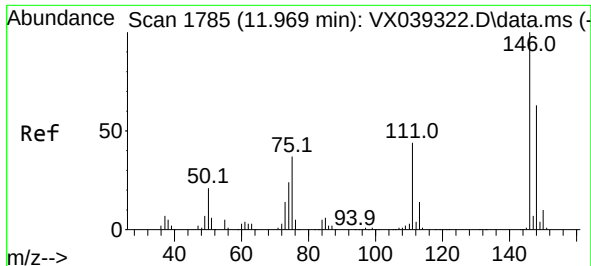
Tgt Ion:105 Resp: 319828

Ion Ratio Lower Upper

105 100

120 42.9 34.9 52.3

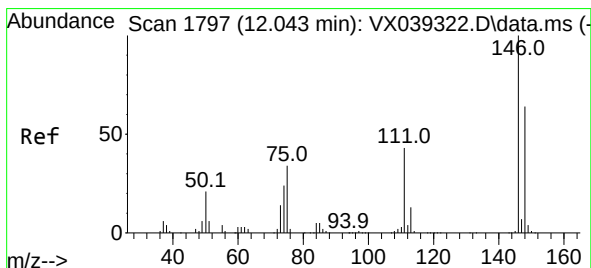
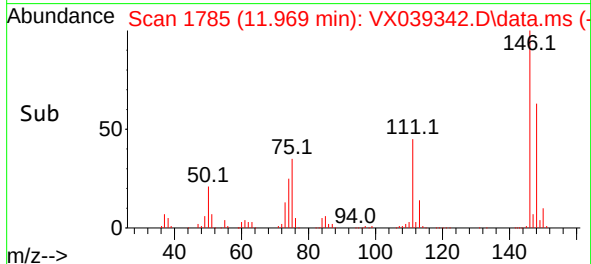
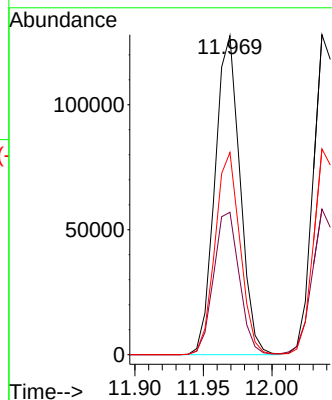
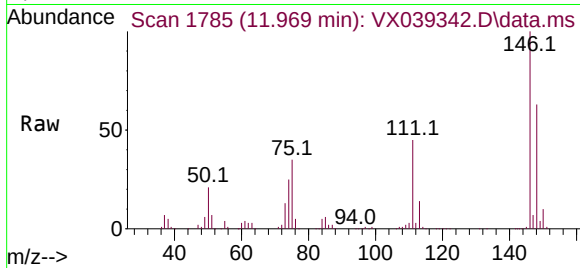




#64  
1,3-Dichlorobenzene  
Concen: 52.414 ug/L  
RT: 11.969 min Scan# 1785  
Delta R.T. 0.000 min  
Lab File: VX039342.D  
Acq: 19 Dec 2023 09:27

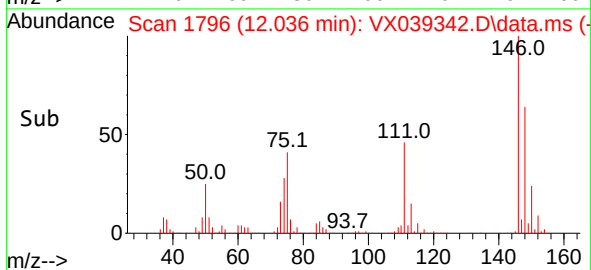
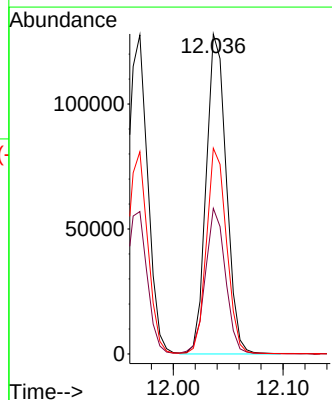
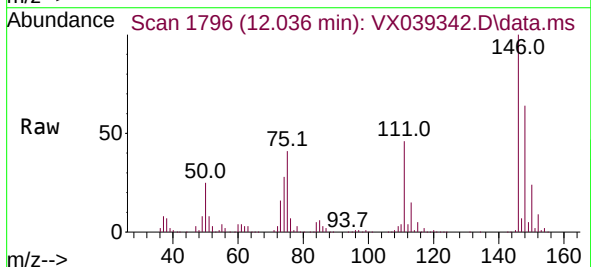
Instrument :  
MSVOA\_X  
ClientSampleId :

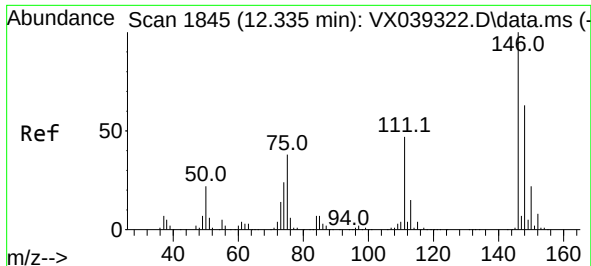
Tgt Ion:146 Resp: 162834  
Ion Ratio Lower Upper  
146 100  
111 44.6 30.0 55.6  
148 63.4 44.2 82.0



#65  
1,4-Dichlorobenzene  
Concen: 51.878 ug/L  
RT: 12.036 min Scan# 1796  
Delta R.T. -0.006 min  
Lab File: VX039342.D  
Acq: 19 Dec 2023 09:27

Tgt Ion:146 Resp: 163319  
Ion Ratio Lower Upper  
146 100  
111 45.5 29.7 55.1  
148 64.3 45.8 85.2





#67

1,2-Dichlorobenzene

Concen: 52.167 ug/L

RT: 12.335 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX039342.D

Acq: 19 Dec 2023 09:27

Instrument :

MSVOA\_X

ClientSampleId :

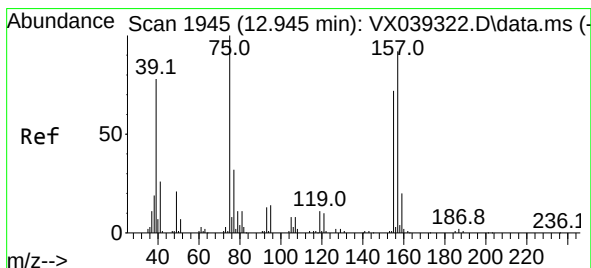
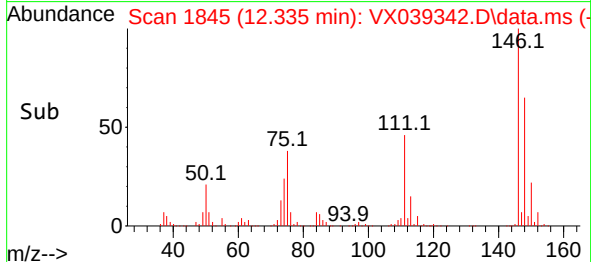
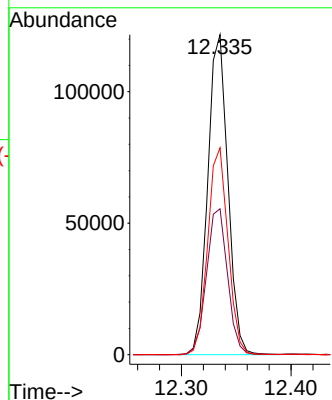
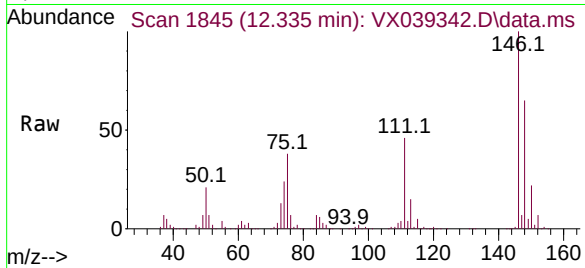
Tgt Ion:146 Resp: 155030

Ion Ratio Lower Upper

146 100

111 45.6 36.4 54.6

148 64.7 50.0 75.0



#68

1,2-Dibromo-3-chloropropane

Concen: 53.253 ug/L

RT: 12.939 min Scan# 1944

Delta R.T. -0.006 min

Lab File: VX039342.D

Acq: 19 Dec 2023 09:27

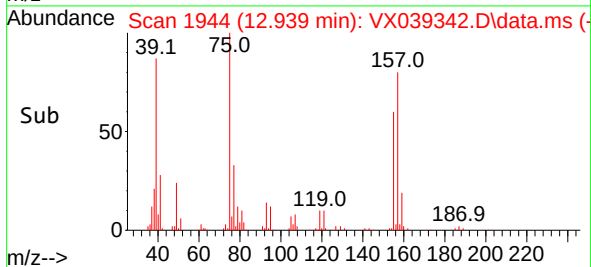
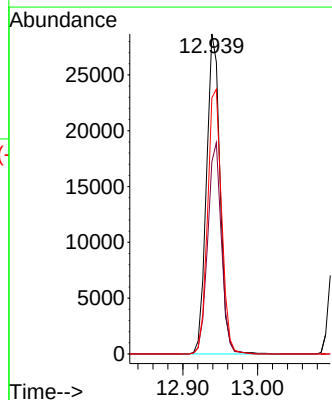
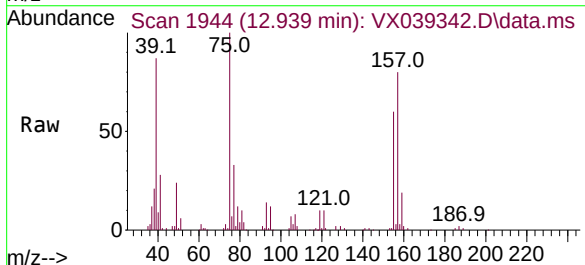
Tgt Ion: 75 Resp: 36165

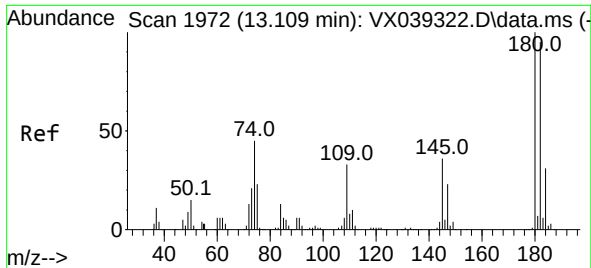
Ion Ratio Lower Upper

75 100

155 60.1 52.3 78.5

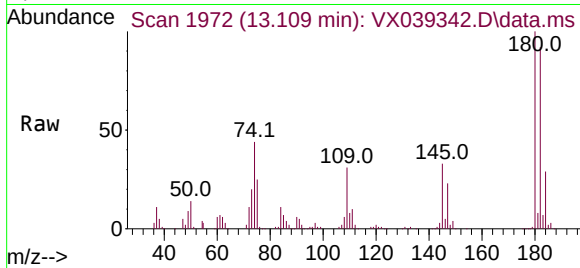
157 80.0 68.7 103.1



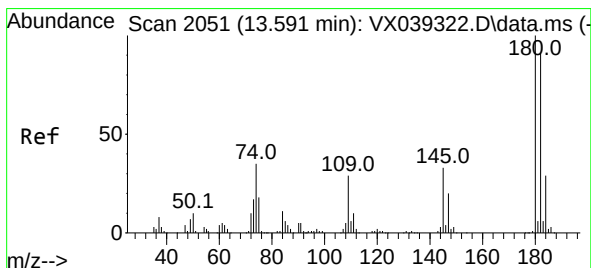
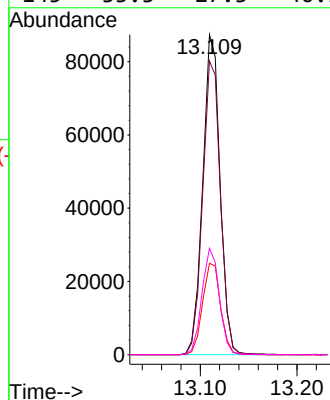
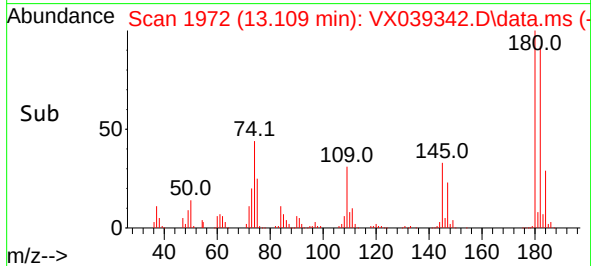


#69  
 1,3,5-Trichlorobenzene  
 Concen: 53.101 ug/L  
 RT: 13.109 min Scan# 1972  
 Delta R.T. 0.000 min  
 Lab File: VX039342.D  
 Acq: 19 Dec 2023 09:27

Instrument :  
 MSVOA\_X  
 ClientSampleId :

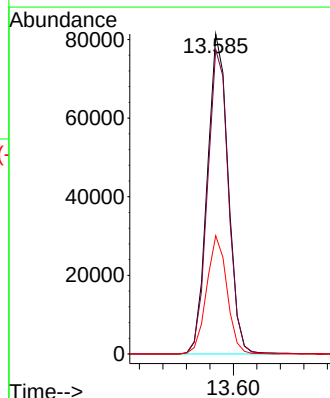
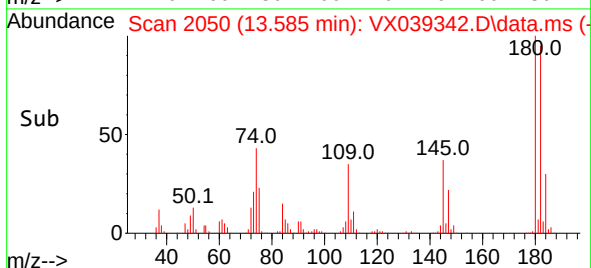
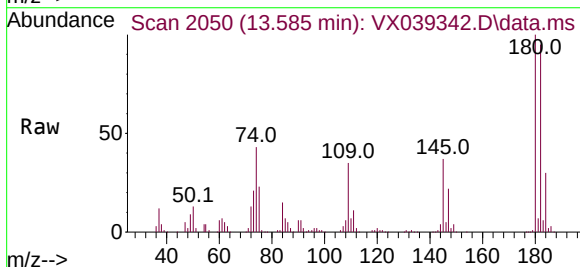


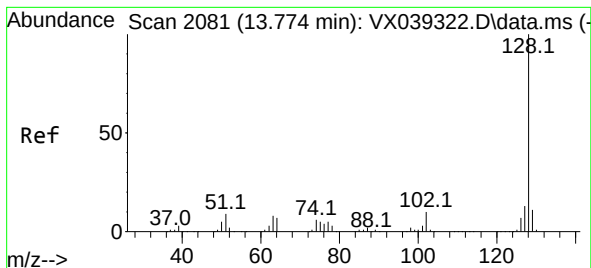
Tgt Ion:180 Resp: 109099  
 Ion Ratio Lower Upper  
 180 100  
 182 93.7 76.1 114.1  
 184 29.6 24.1 36.1  
 145 33.3 27.3 40.9



#70  
 1,2,4-trichlorobenzene  
 Concen: 51.657 ug/L  
 RT: 13.585 min Scan# 2050  
 Delta R.T. -0.006 min  
 Lab File: VX039342.D  
 Acq: 19 Dec 2023 09:27

Tgt Ion:180 Resp: 100053  
 Ion Ratio Lower Upper  
 180 100  
 182 95.5 76.8 115.2  
 145 36.1 27.8 41.6





#71

Naphthalene

Concen: 51.205 ug/L

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX039342.D

Acq: 19 Dec 2023 09:27

Instrument :

MSVOA\_X

ClientSampleId :

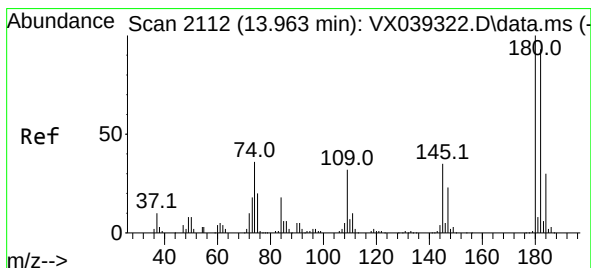
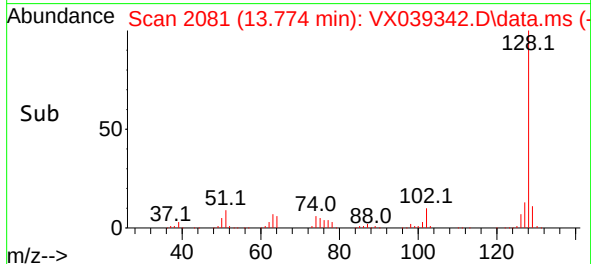
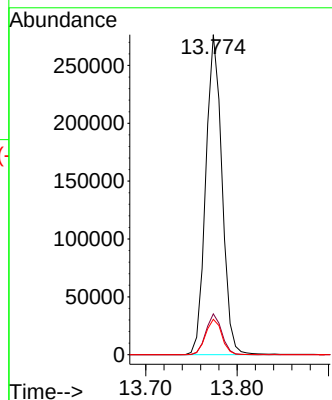
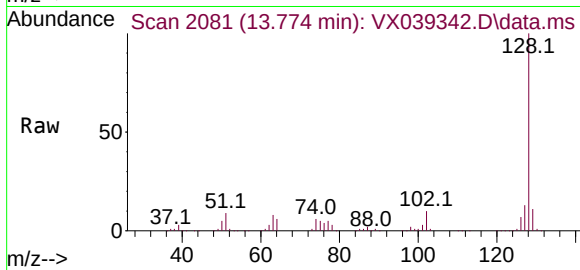
Tgt Ion:128 Resp: 340132

Ion Ratio Lower Upper

128 100

127 12.4 10.2 15.4

129 11.1 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 51.678 ug/L

RT: 13.957 min Scan# 2111

Delta R.T. -0.006 min

Lab File: VX039342.D

Acq: 19 Dec 2023 09:27

Tgt Ion:180 Resp: 96917

Ion Ratio Lower Upper

180 100

182 94.1 75.9 113.9

145 37.0 28.6 42.8

