

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111023\  
 Data File : VX038718.D  
 Acq On : 10 Nov 2023 10:35  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Nov 11 01:49:26 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X110723W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 08 03:19:07 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.550  | 168  | 306040   | 50.000 | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene    | 6.757  | 114  | 459640   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 441609   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152  | 261950   | 50.000 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |          |
|---------------------------|--------|-------|----------|----------|------|----------|
| 33) 1,2-Dichloroethane-d4 | 5.952  | 65    | 180695   | 47.425   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 78 - 117 | Recovery | =    | 94.860%  |
| 35) Dibromofluoromethane  | 5.385  | 113   | 168637   | 50.941   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 75 - 124 | Recovery | =    | 101.880% |
| 50) Toluene-d8            | 8.647  | 98    | 595210   | 50.245   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 92 - 112 | Recovery | =    | 100.500% |
| 62) 4-Bromofluorobenzene  | 11.079 | 95    | 239625   | 52.173   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 83 - 123 | Recovery | =    | 104.340% |

## Target Compounds

|                              |       |     |         |         |      | Qvalue |
|------------------------------|-------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane   | 1.166 | 85  | 164612  | 51.794  | ug/l | 99     |
| 3) Chloromethane             | 1.295 | 50  | 124706  | 45.397  | ug/l | 97     |
| 4) Vinyl Chloride            | 1.374 | 62  | 143801  | 49.173  | ug/l | 98     |
| 5) Bromomethane              | 1.599 | 94  | 103940  | 46.049  | ug/l | 98     |
| 6) Chloroethane              | 1.685 | 64  | 89485   | 48.327  | ug/l | 95     |
| 7) Trichlorofluoromethane    | 1.886 | 101 | 266374  | 52.834  | ug/l | 99     |
| 8) Diethyl Ether             | 2.130 | 74  | 84775   | 48.983  | ug/l | 74     |
| 9) 1,1,2-Trichlorotrifluo... | 2.325 | 101 | 155668  | 52.219  | ug/l | 89     |
| 10) Methyl Iodide            | 2.453 | 142 | 200755  | 54.529  | ug/l | 91     |
| 11) Tert butyl alcohol       | 2.959 | 59  | 189384  | 243.148 | ug/l | # 92   |
| 12) 1,1-Dichloroethene       | 2.319 | 96  | 143326  | 50.182  | ug/l | # 79   |
| 13) Acrolein                 | 2.233 | 56  | 130210  | 220.570 | ug/l | 99     |
| 14) Allyl chloride           | 2.660 | 41  | 193824  | 47.380  | ug/l | # 93   |
| 15) Acrylonitrile            | 3.062 | 53  | 406284  | 247.167 | ug/l | 99     |
| 16) Acetone                  | 2.374 | 43  | 481068  | 299.802 | ug/l | 90     |
| 17) Carbon Disulfide         | 2.508 | 76  | 357195  | 47.067  | ug/l | 100    |
| 18) Methyl Acetate           | 2.703 | 43  | 331685  | 48.518  | ug/l | # 86   |
| 19) Methyl tert-butyl Ether  | 3.111 | 73  | 457860  | 50.130  | ug/l | 96     |
| 20) Methylene Chloride       | 2.788 | 84  | 157721  | 48.759  | ug/l | # 81   |
| 21) trans-1,2-Dichloroethene | 3.093 | 96  | 155992  | 50.168  | ug/l | # 81   |
| 22) Diisopropyl ether        | 3.757 | 45  | 379252  | 49.189  | ug/l | # 87   |
| 23) Vinyl Acetate            | 3.721 | 43  | 1366115 | 249.632 | ug/l | # 91   |
| 24) 1,1-Dichloroethane       | 3.605 | 63  | 249020  | 48.818  | ug/l | 98     |
| 25) 2-Butanone               | 4.550 | 43  | 605434  | 260.459 | ug/l | # 85   |
| 26) 2,2-Dichloropropane      | 4.477 | 77  | 219610  | 49.308  | ug/l | 94     |
| 27) cis-1,2-Dichloroethene   | 4.483 | 96  | 179536  | 50.001  | ug/l | 84     |
| 28) Bromochloromethane       | 4.898 | 49  | 117679  | 51.334  | ug/l | # 52   |
| 29) Tetrahydrofuran          | 4.995 | 42  | 345736  | 239.059 | ug/l | # 79   |
| 30) Chloroform               | 5.093 | 83  | 289007  | 48.288  | ug/l | 96     |
| 31) Cyclohexane              | 5.464 | 56  | 206910  | 49.068  | ug/l | 89     |
| 32) 1,1,1-Trichloroethane    | 5.379 | 97  | 265756  | 50.456  | ug/l | 95     |
| 36) 1,1-Dichloropropene      | 5.690 | 75  | 208412  | 50.681  | ug/l | 94     |
| 37) Ethyl Acetate            | 4.709 | 43  | 202691  | 48.277  | ug/l | # 93   |
| 38) Carbon Tetrachloride     | 5.678 | 117 | 239867  | 52.177  | ug/l | 98     |
| 39) Methylcyclohexane        | 7.379 | 83  | 264522  | 51.449  | ug/l | 88     |
| 40) Benzene                  | 6.038 | 78  | 595209  | 50.252  | ug/l | 100    |

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

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Nov 11 01:49:26 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X110723W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 08 03:19:07 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.916  | 41   | 106499   | 49.789   | ug/l # | 85       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 215065   | 50.323   | ug/l   | 95       |
| 43) Isopropyl Acetate         | 6.336  | 43   | 312890   | 48.474   | ug/l # | 91       |
| 44) Trichloroethene           | 7.123  | 130  | 189783   | 51.498   | ug/l   | 90       |
| 45) 1,2-Dichloropropane       | 7.428  | 63   | 144094   | 50.325   | ug/l   | 100      |
| 46) Dibromomethane            | 7.580  | 93   | 120088   | 50.151   | ug/l # | 85       |
| 47) Bromodichloromethane      | 7.818  | 83   | 224105   | 49.765   | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.690  | 41   | 155262   | 49.912   | ug/l # | 84       |
| 49) 1,4-Dioxane               | 7.653  | 88   | 77148    | 1089.423 | ug/l # | 84       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 1055127  | 250.892  | ug/l   | 91       |
| 52) Toluene                   | 8.714  | 92   | 399522   | 51.491   | ug/l   | 95       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 238181   | 51.951   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 251693   | 52.003   | ug/l # | 85       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 170801   | 51.881   | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 244935   | 53.176   | ug/l # | 83       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 263081   | 51.306   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 575021   | 253.908  | ug/l # | 89       |
| 59) 2-Hexanone                | 9.427  | 43   | 870261   | 255.746  | ug/l   | 88       |
| 60) Dibromochloromethane      | 9.519  | 129  | 194727   | 52.691   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 192432   | 52.009   | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.275  | 164  | 166063   | 50.237   | ug/l   | 95       |
| 65) Chlorobenzene             | 10.080 | 112  | 470180   | 52.302   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 178666   | 52.868   | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 794853   | 52.271   | ug/l   | 97       |
| 68) m/p-Xylenes               | 10.299 | 106  | 638810   | 105.848  | ug/l   | 94       |
| 69) o-Xylene                  | 10.640 | 106  | 309461   | 52.728   | ug/l   | 96       |
| 70) Styrene                   | 10.653 | 104  | 519104   | 53.592   | ug/l   | 95       |
| 71) Bromoform                 | 10.799 | 173  | 158494   | 53.135   | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.964 | 105  | 818478   | 50.930   | ug/l   | 97       |
| 74) N-amyl acetate            | 10.842 | 43   | 277001   | 49.608   | ug/l # | 90       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 274033   | 49.324   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 303766   | 58.553   | ug/l   | 90       |
| 77) Bromobenzene              | 11.195 | 156  | 221103   | 50.131   | ug/l   | 81       |
| 78) n-propylbenzene           | 11.305 | 91   | 953732   | 50.999   | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 563972   | 50.371   | ug/l   | 92       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 713806   | 51.609   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 79927    | 48.368   | ug/l   | 84       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 666161   | 50.930   | ug/l   | 92       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 718418   | 51.261   | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 719651   | 52.460   | ug/l   | 96       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 896481   | 51.264   | ug/l   | 96       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 782037   | 52.496   | ug/l   | 95       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 426587   | 50.589   | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 432764   | 49.930   | ug/l   | 97       |
| 89) n-Butylbenzene            | 12.329 | 91   | 685491   | 51.709   | ug/l   | 96       |
| 90) Hexachloroethane          | 12.536 | 117  | 132894   | 52.665   | ug/l   | 77       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 423791   | 51.461   | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 69920    | 50.074   | ug/l   | 64       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 311178   | 52.830   | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 134004   | 52.723   | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 931945   | 52.453   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 296284   | 51.033   | ug/l   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111023\  
Data File : VX038718.D  
Acq On : 10 Nov 2023 10:35  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

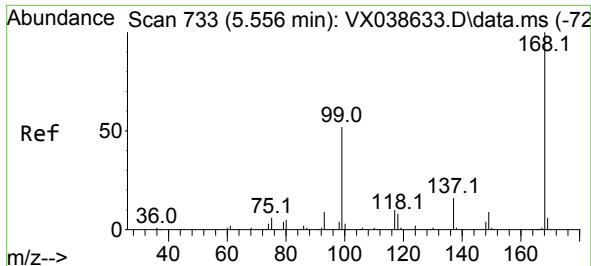
Quant Time: Nov 11 01:49:26 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X110723W.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 08 03:19:07 2023  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

Quant Time: Nov 11 01:49:26 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X110723W.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 08 03:19:07 2023  
Response via : Initial Calibration

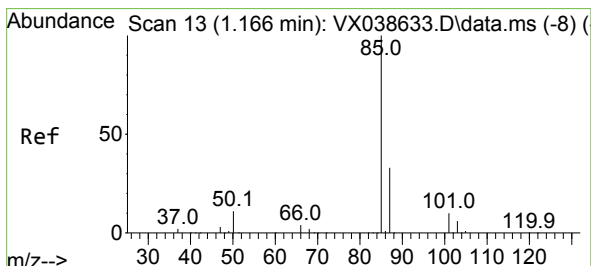
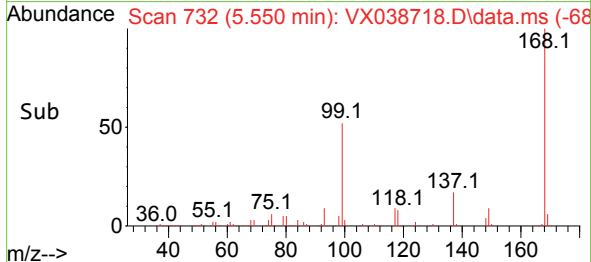
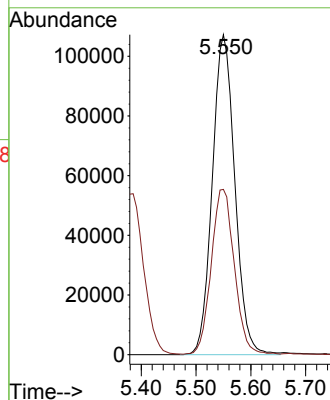
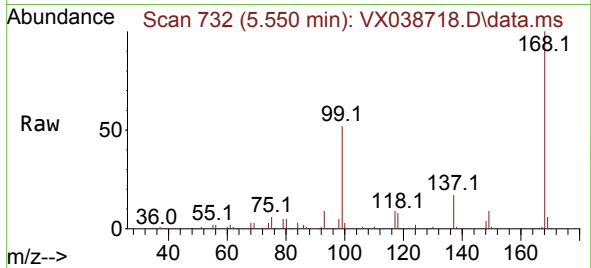




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

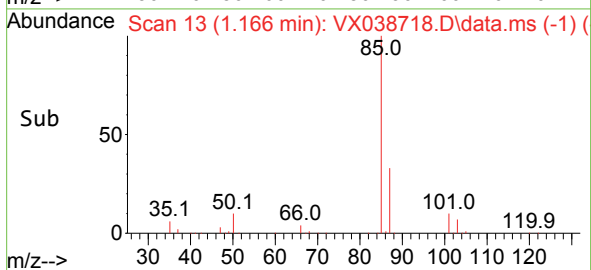
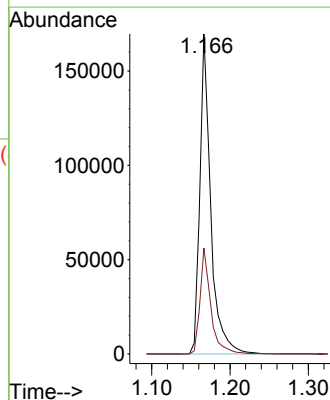
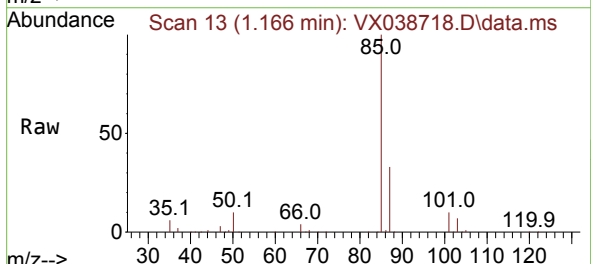
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

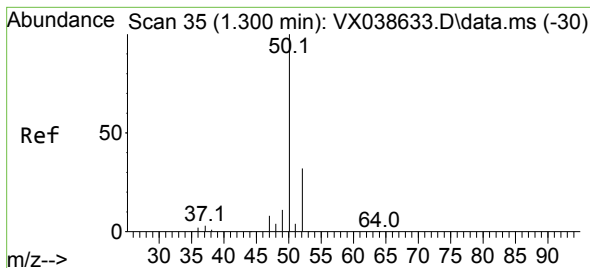
Tgt Ion:168 Resp: 306040  
Ion Ratio Lower Upper  
168 100  
99 51.5 56.6 85.0#



#2  
Dichlorodifluoromethane  
Concen: 51.794 ug/l  
RT: 1.166 min Scan# 13  
Delta R.T. 0.000 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

Tgt Ion: 85 Resp: 164612  
Ion Ratio Lower Upper  
85 100  
87 33.1 16.7 50.1





#3

Chloromethane

Concen: 45.397 ug/l

RT: 1.295 min Scan# 34

Delta R.T. -0.006 min

Lab File: VX038718.D

Acq: 10 Nov 2023 10:35

Instrument :

MSVOA\_X

ClientSampleId :

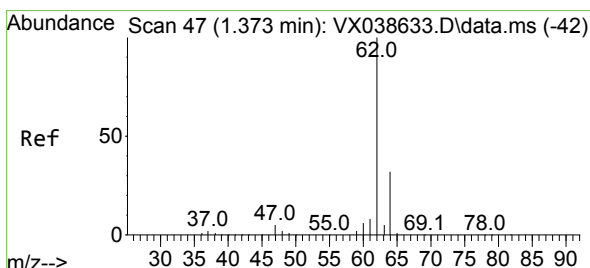
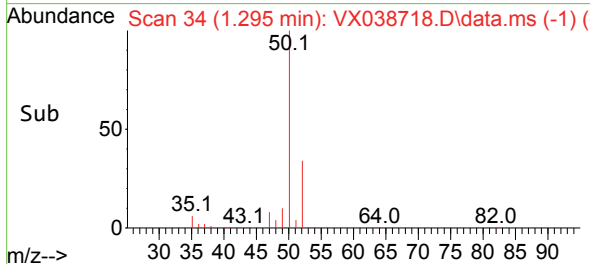
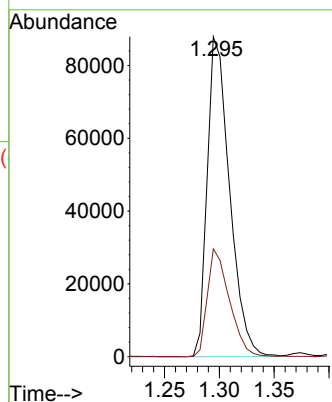
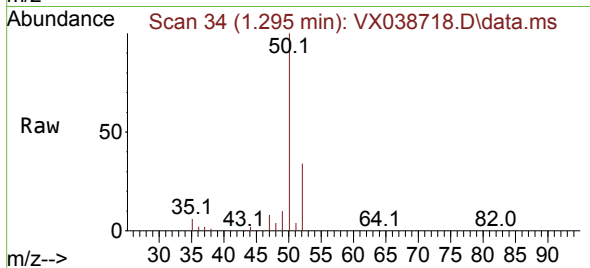
VSTDCCC050

Tgt Ion: 50 Resp: 124706

Ion Ratio Lower Upper

50 100

52 33.7 25.5 38.3



#4

Vinyl Chloride

Concen: 49.173 ug/l

RT: 1.374 min Scan# 47

Delta R.T. 0.000 min

Lab File: VX038718.D

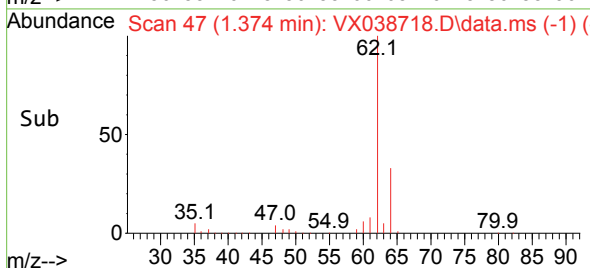
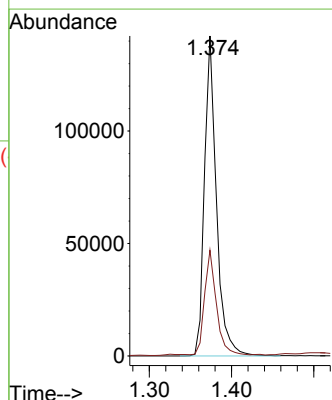
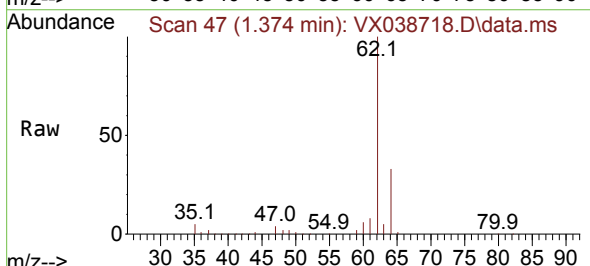
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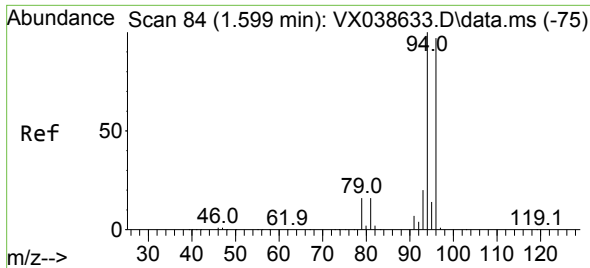
Tgt Ion: 62 Resp: 143801

Ion Ratio Lower Upper

62 100

64 32.6 25.4 38.0

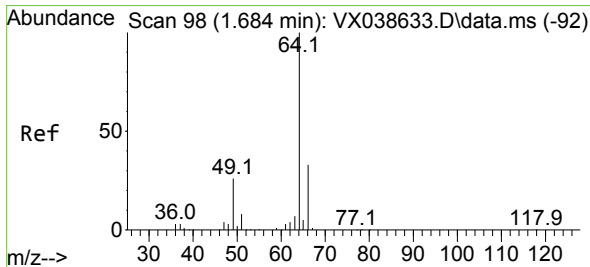
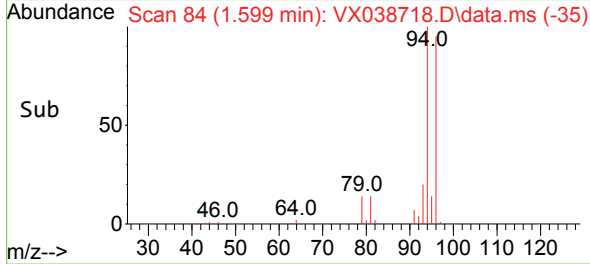
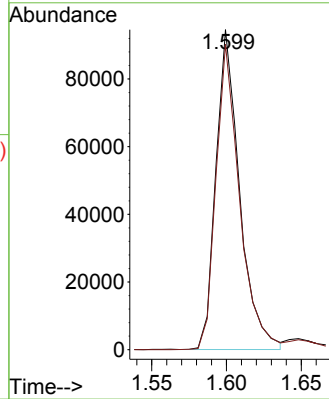
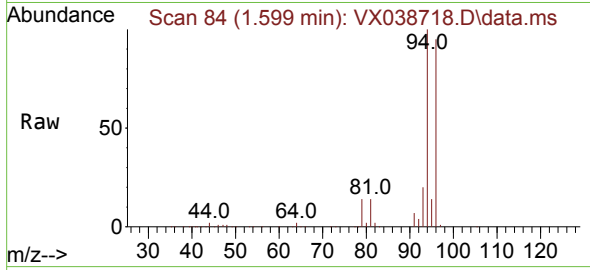




#5  
Bromomethane  
Concen: 46.049 ug/l  
RT: 1.599 min Scan# 84  
Delta R.T. 0.000 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

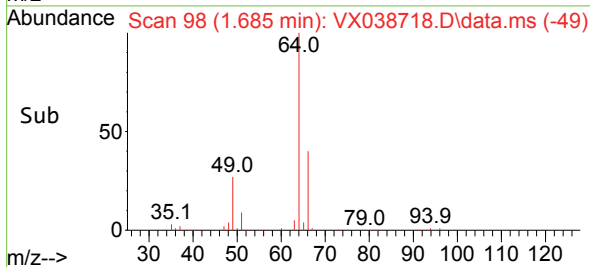
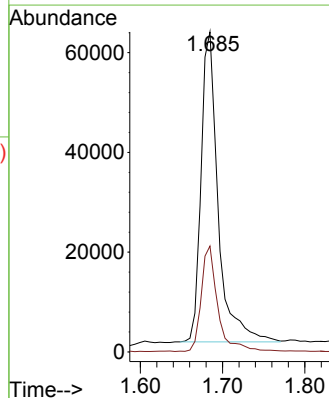
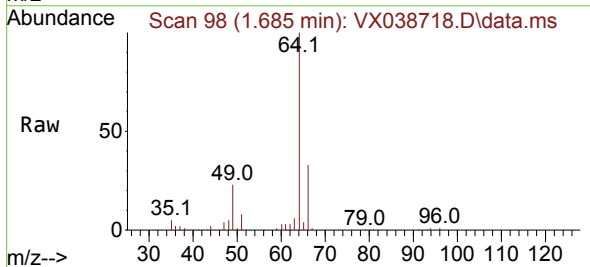
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

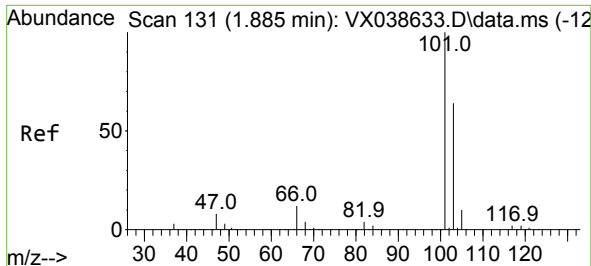
Tgt Ion: 94 Resp: 103940  
Ion Ratio Lower Upper  
94 100  
96 95.5 74.6 111.8



#6  
Chloroethane  
Concen: 48.327 ug/l  
RT: 1.685 min Scan# 98  
Delta R.T. 0.000 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

Tgt Ion: 64 Resp: 89485  
Ion Ratio Lower Upper  
64 100  
66 33.9 25.1 37.7

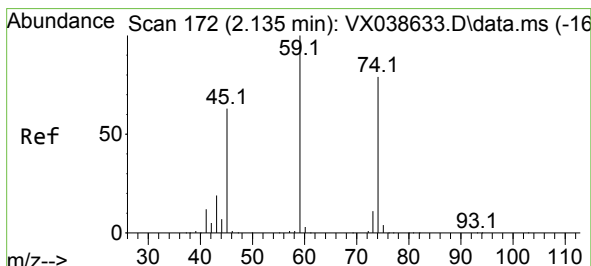
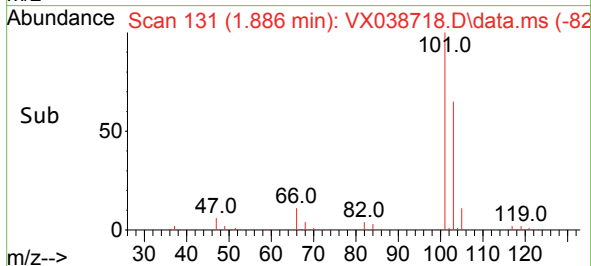
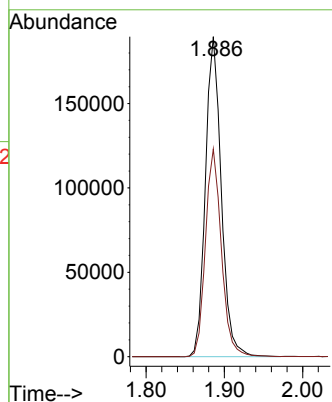
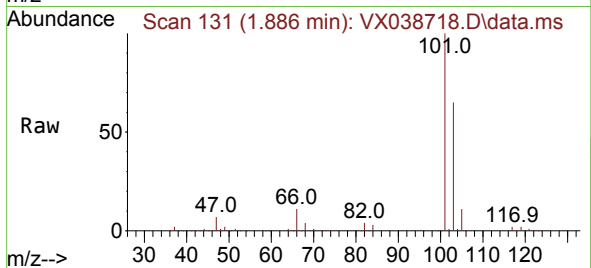




#7  
 Trichlorofluoromethane  
 Concen: 52.834 ug/l  
 RT: 1.886 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX038718.D  
 Acq: 10 Nov 2023 10:35

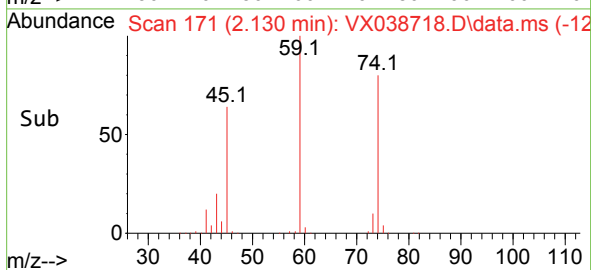
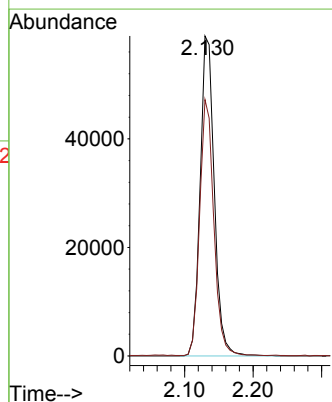
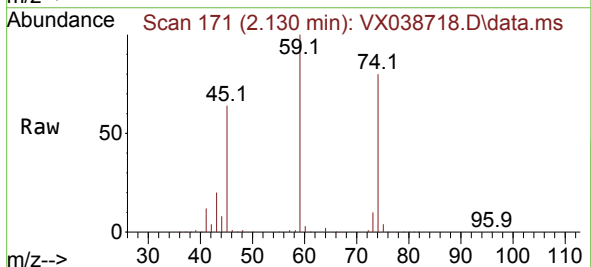
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

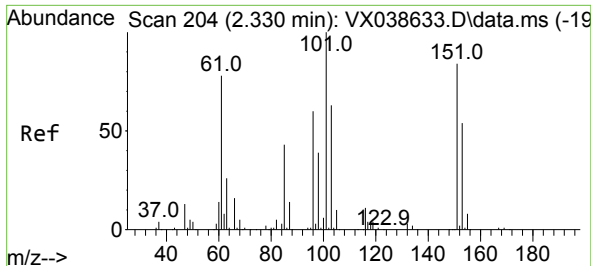
Tgt Ion:101 Resp: 266374  
 Ion Ratio Lower Upper  
 101 100  
 103 64.9 51.4 77.2



#8  
 Diethyl Ether  
 Concen: 48.983 ug/l  
 RT: 2.130 min Scan# 171  
 Delta R.T. -0.006 min  
 Lab File: VX038718.D  
 Acq: 10 Nov 2023 10:35

Tgt Ion: 74 Resp: 84775  
 Ion Ratio Lower Upper  
 74 100  
 45 79.8 53.3 159.8

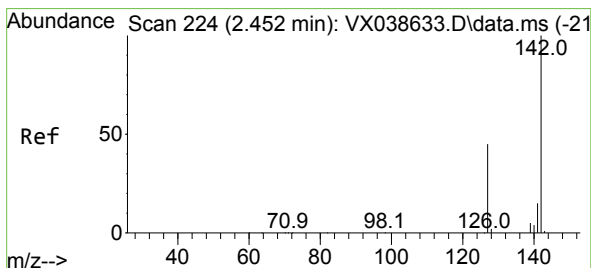
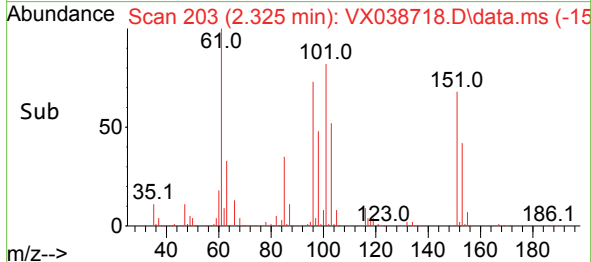
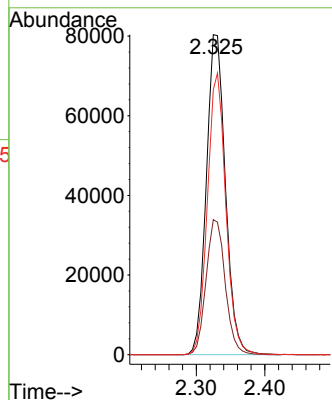
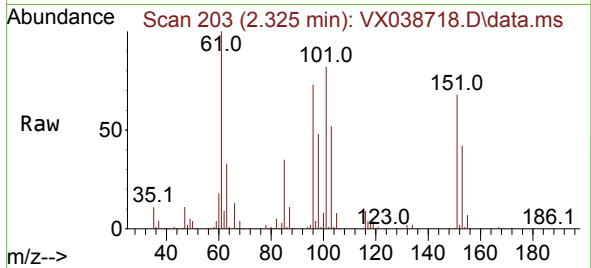




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 52.219 ug/l  
RT: 2.325 min Scan# 204  
Delta R.T. -0.006 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

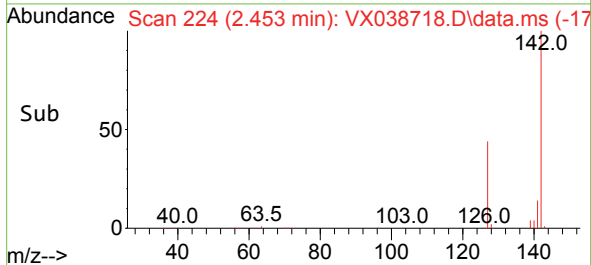
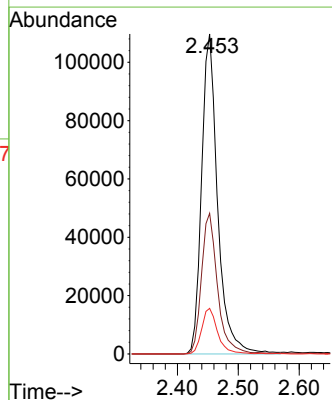
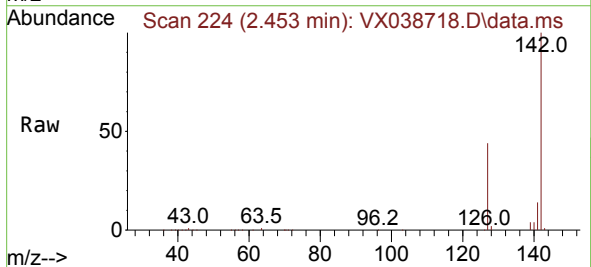
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

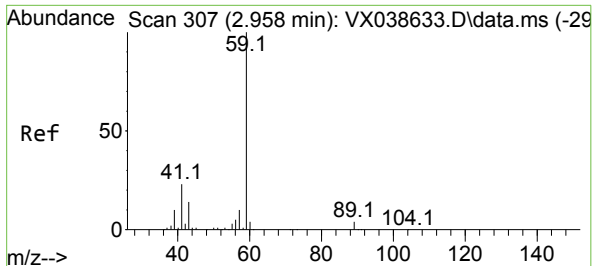
Tgt Ion:101 Resp: 155668  
Ion Ratio Lower Upper  
101 100  
85 42.4 37.0 55.6  
151 85.2 58.6 87.8



#10  
Methyl Iodide  
Concen: 54.529 ug/l  
RT: 2.453 min Scan# 224  
Delta R.T. 0.000 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

Tgt Ion:142 Resp: 200755  
Ion Ratio Lower Upper  
142 100  
127 44.2 41.6 62.4  
141 14.2 11.6 17.4





#11

Tert butyl alcohol

Concen: 243.148 ug/l

RT: 2.959 min Scan# 307

Delta R.T. 0.000 min

Lab File: VX038718.D

Acq: 10 Nov 2023 10:35

Instrument :

MSVOA\_X

ClientSampleId :

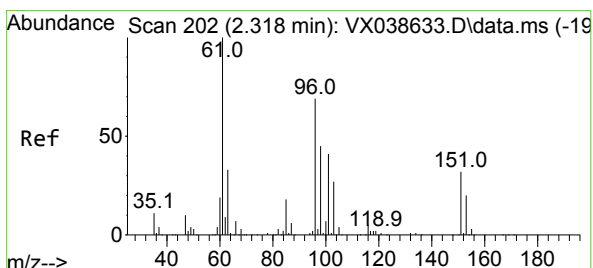
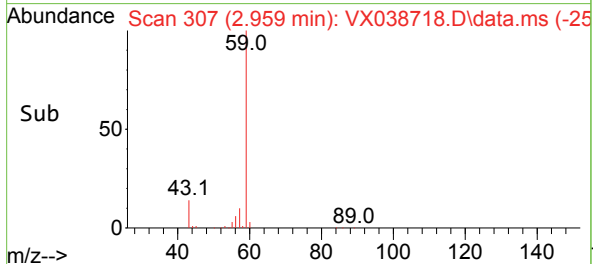
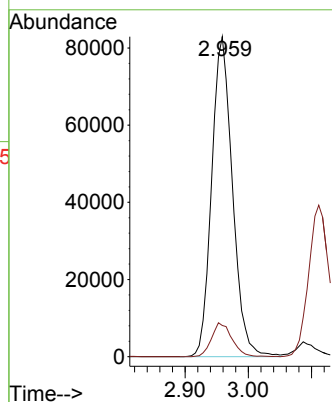
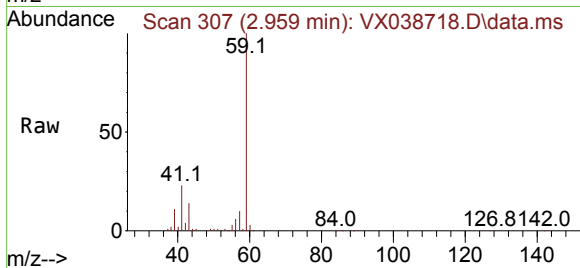
VSTDCCC050

Tgt Ion: 59 Resp: 189384

Ion Ratio Lower Upper

59 100

57 10.5 6.0 9.0#



#12

1,1-Dichloroethene

Concen: 50.182 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.000 min

Lab File: VX038718.D

Acq: 10 Nov 2023 10:35

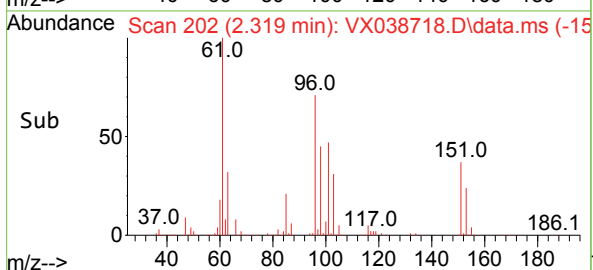
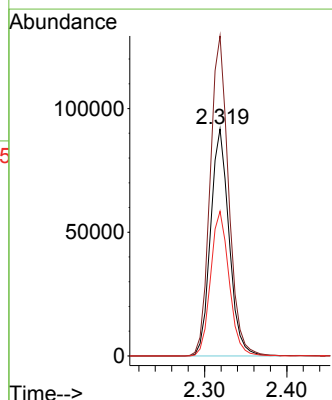
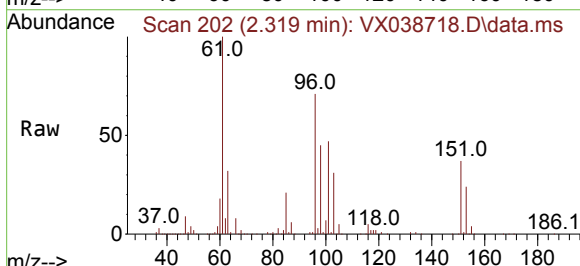
Tgt Ion: 96 Resp: 143326

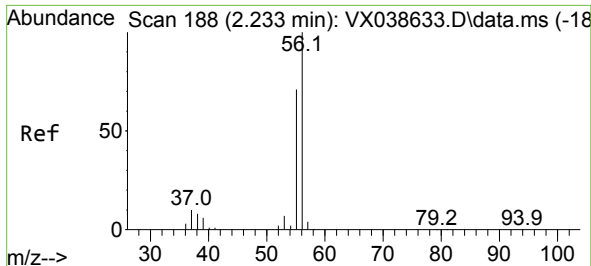
Ion Ratio Lower Upper

96 100

61 140.9 144.6 216.8#

98 63.7 50.4 75.6





#13

Acrolein

Concen: 220.570 ug/l

RT: 2.233 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX038718.D

Acq: 10 Nov 2023 10:35

Instrument :

MSVOA\_X

ClientSampleId :

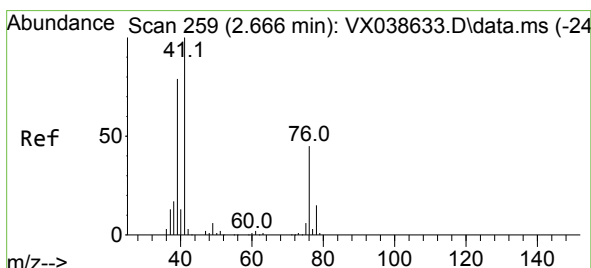
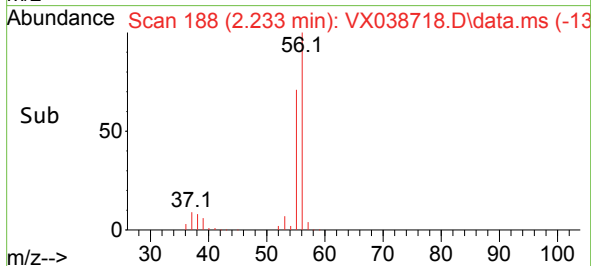
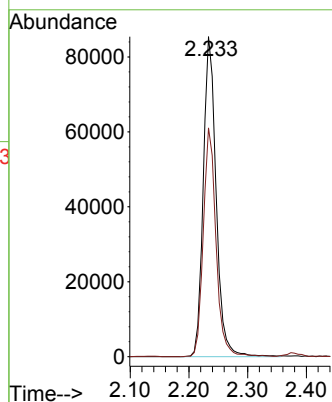
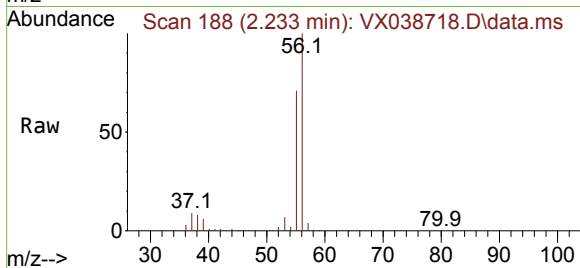
VSTDCCC050

Tgt Ion: 56 Resp: 130210

Ion Ratio Lower Upper

56 100

55 70.9 57.1 85.7



#14

Allyl chloride

Concen: 47.380 ug/l

RT: 2.660 min Scan# 258

Delta R.T. -0.006 min

Lab File: VX038718.D

Acq: 10 Nov 2023 10:35

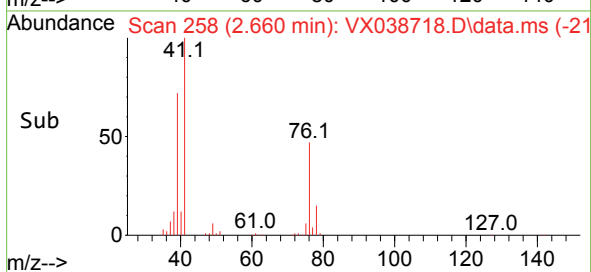
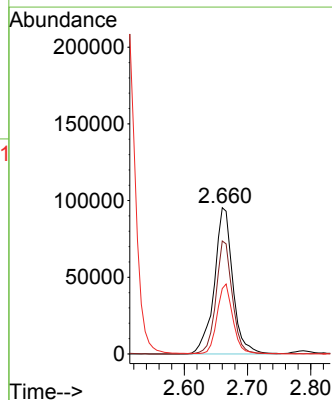
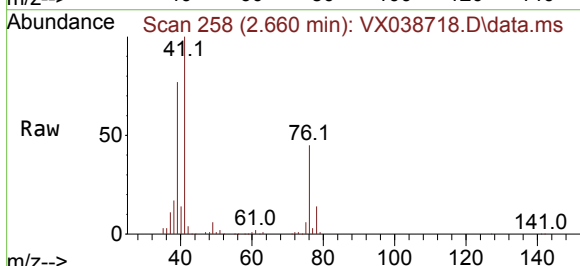
Tgt Ion: 41 Resp: 193824

Ion Ratio Lower Upper

41 100

39 68.0 55.8 83.6

76 40.5 24.3 36.5#

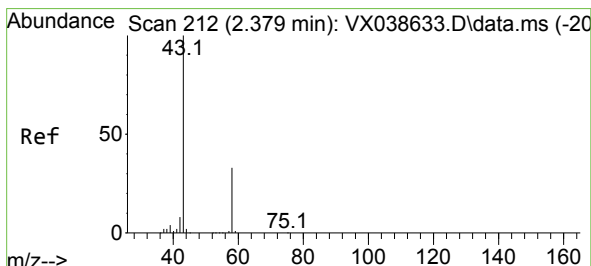
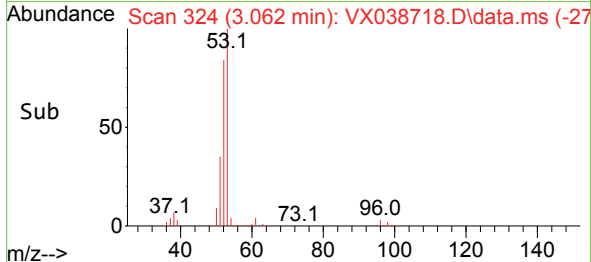
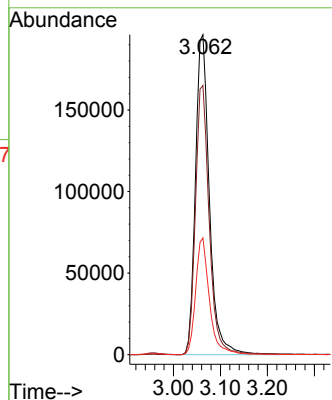
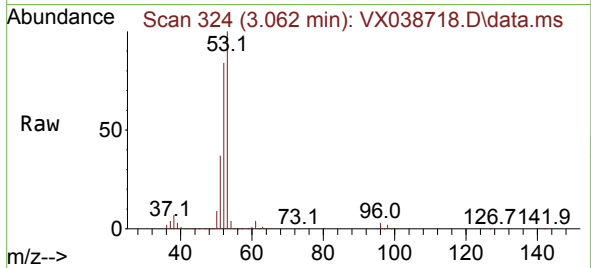




#15  
Acrylonitrile  
Concen: 247.167 ug/l  
RT: 3.062 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

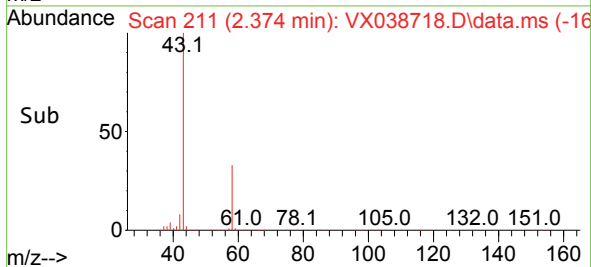
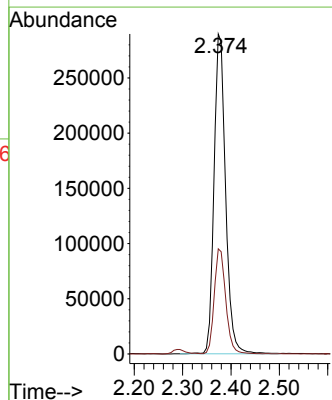
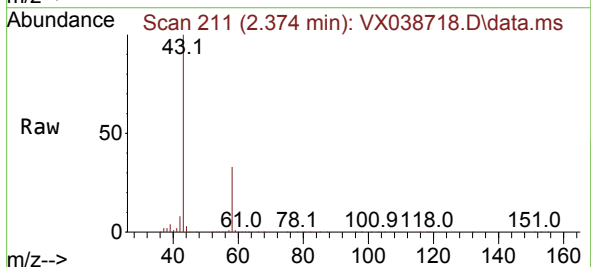
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

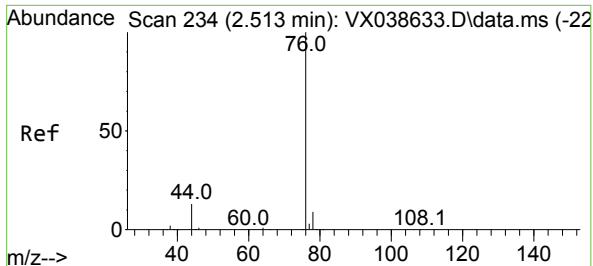
Tgt Ion: 53 Resp: 406284  
Ion Ratio Lower Upper  
53 100  
52 83.1 66.0 99.0  
51 36.2 29.8 44.6



#16  
Acetone  
Concen: 299.802 ug/l  
RT: 2.374 min Scan# 211  
Delta R.T. -0.006 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

Tgt Ion: 43 Resp: 481068  
Ion Ratio Lower Upper  
43 100  
58 32.7 21.9 32.9





#17

Carbon Disulfide

Concen: 47.067 ug/l

RT: 2.508 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX038718.D

Acq: 10 Nov 2023 10:35

Instrument :

MSVOA\_X

ClientSampleId :

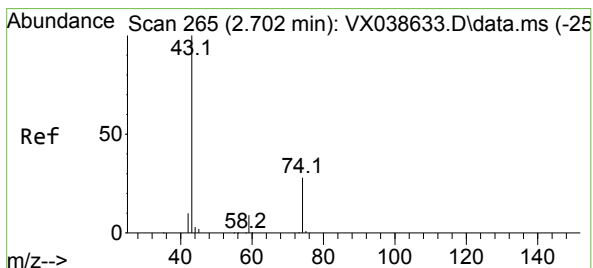
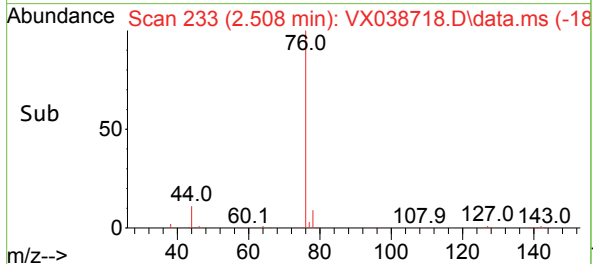
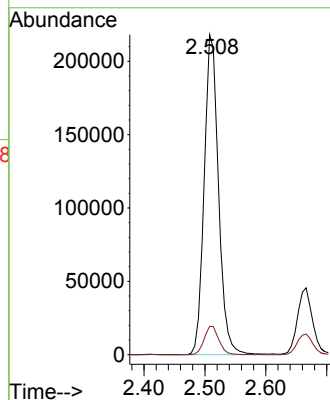
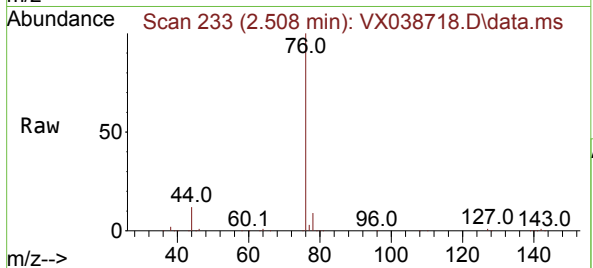
VSTDCCC050

Tgt Ion: 76 Resp: 357195

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6



#18

Methyl Acetate

Concen: 48.518 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.000 min

Lab File: VX038718.D

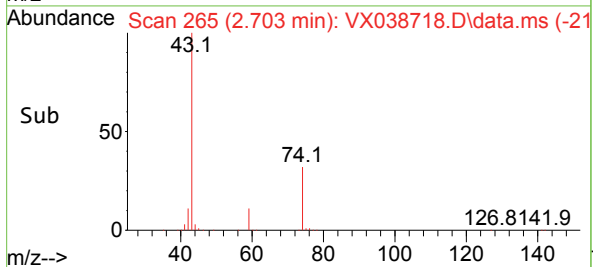
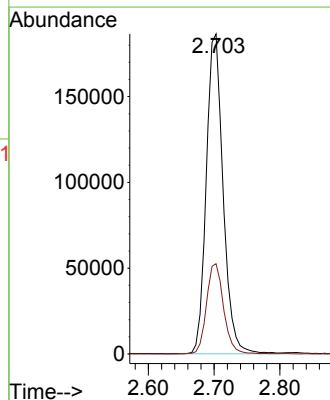
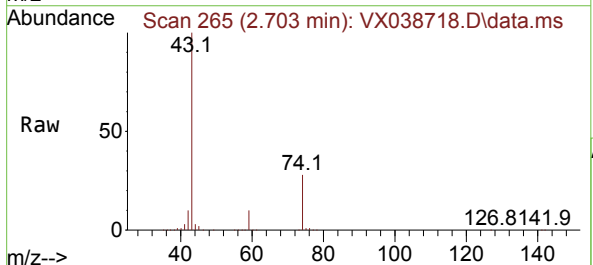
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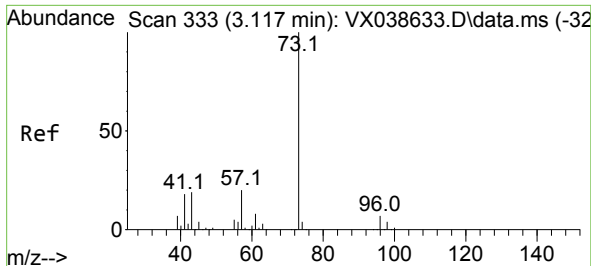
Tgt Ion: 43 Resp: 331685

Ion Ratio Lower Upper

43 100

74 28.9 17.8 26.8#

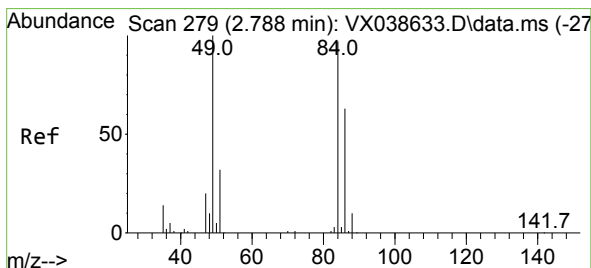
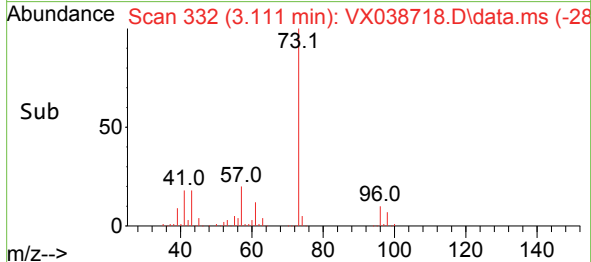
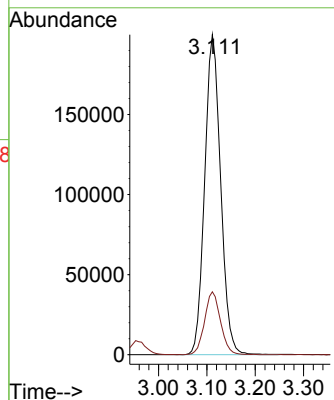
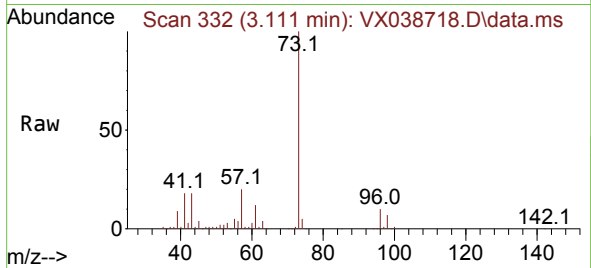




#19  
Methyl tert-butyl Ether  
Concen: 50.130 ug/l  
RT: 3.111 min Scan# 311  
Delta R.T. -0.006 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

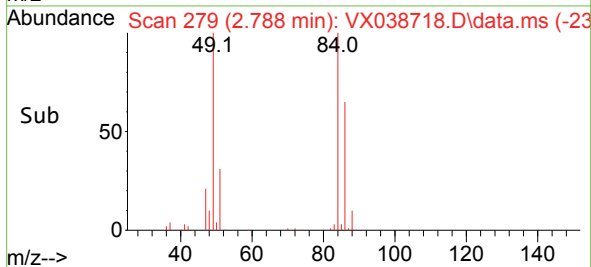
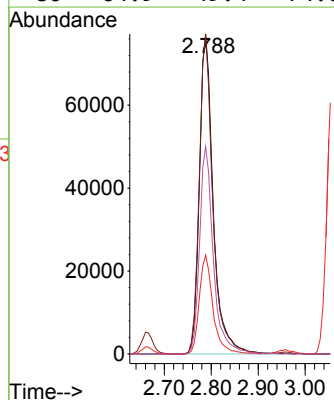
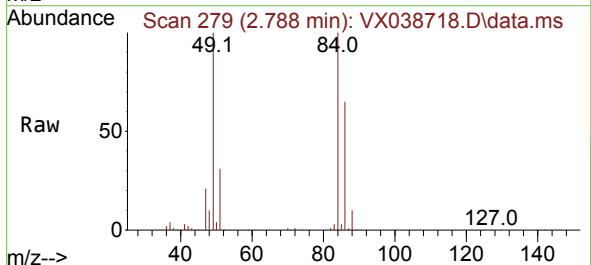
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MSVOA\_X  
ClientSampleId :  
VSTDCCC050

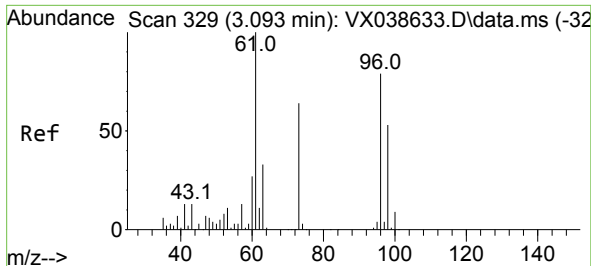
Tgt Ion: 73 Resp: 457860  
Ion Ratio Lower Upper  
73 100  
57 19.6 17.3 25.9



#20  
Methylene Chloride  
Concen: 48.759 ug/l  
RT: 2.788 min Scan# 279  
Delta R.T. 0.000 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

Tgt Ion: 84 Resp: 157721  
Ion Ratio Lower Upper  
84 100  
49 99.7 103.6 155.4#  
51 30.9 33.8 50.6#  
86 64.9 49.4 74.0

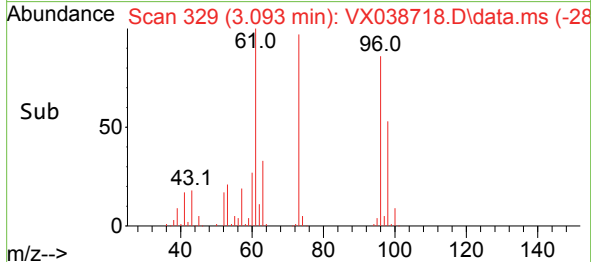
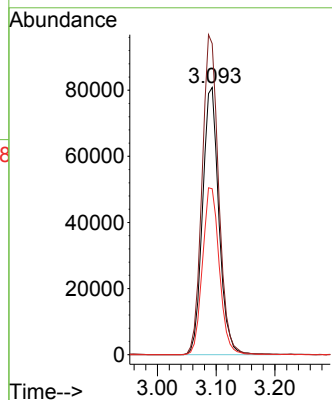
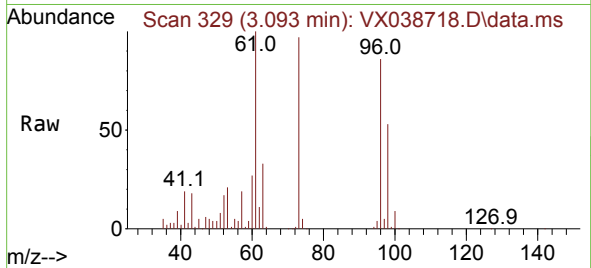




#21  
trans-1,2-Dichloroethene  
Concen: 50.168 ug/l  
RT: 3.093 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

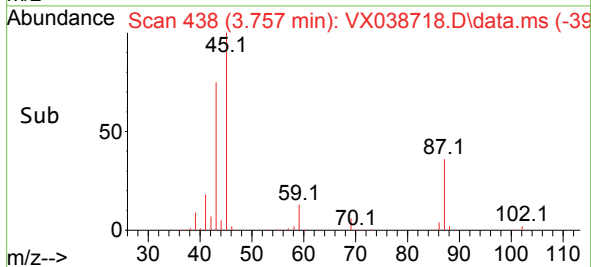
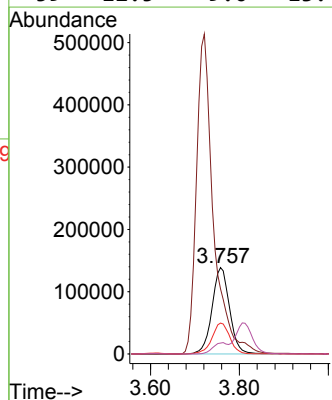
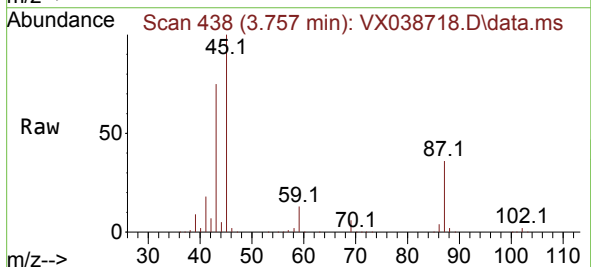
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

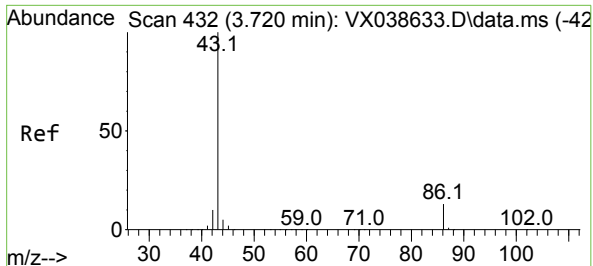
Tgt Ion: 96 Resp: 155992  
Ion Ratio Lower Upper  
96 100  
61 116.4 119.2 178.8#  
98 62.1 48.7 73.1



#22  
Diisopropyl ether  
Concen: 49.189 ug/l  
RT: 3.757 min Scan# 438  
Delta R.T. -0.006 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

Tgt Ion: 45 Resp: 379252  
Ion Ratio Lower Upper  
45 100  
43 75.3 69.7 104.5  
87 35.7 20.8 31.2#  
59 12.5 9.0 13.4

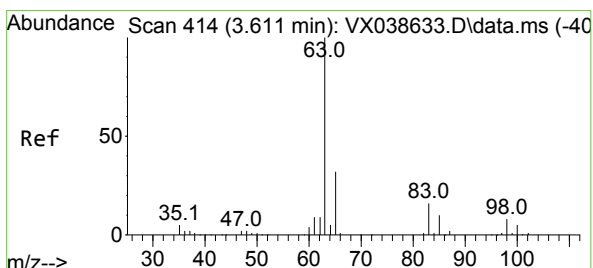
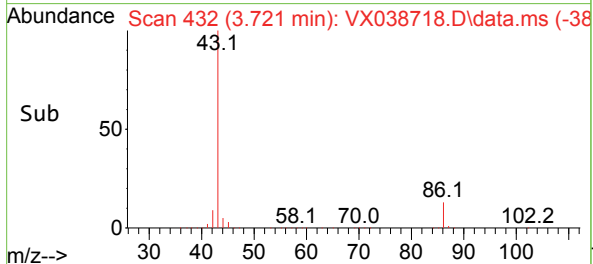
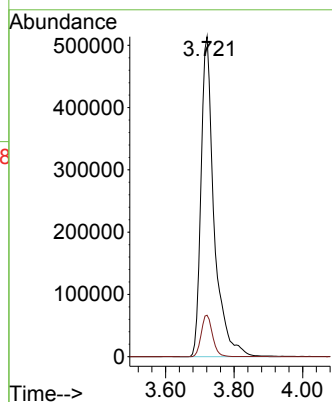
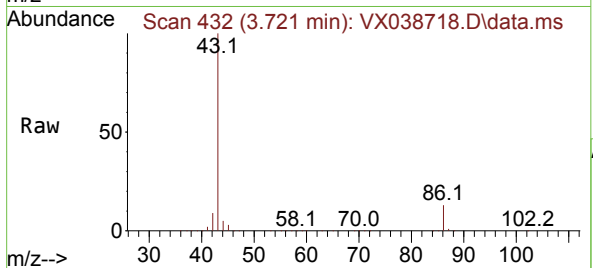




#23  
 Vinyl Acetate  
 Concen: 249.632 ug/l  
 RT: 3.721 min Scan# 413  
 Delta R.T. 0.000 min  
 Lab File: VX038718.D  
 Acq: 10 Nov 2023 10:35

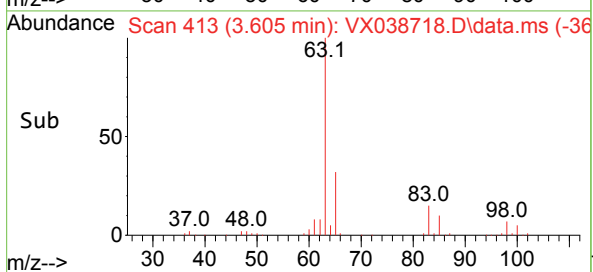
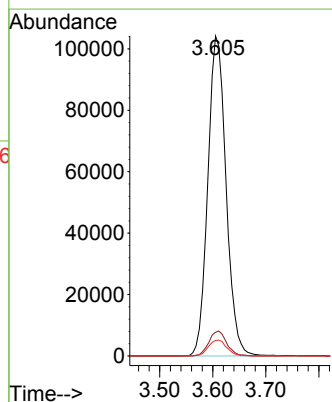
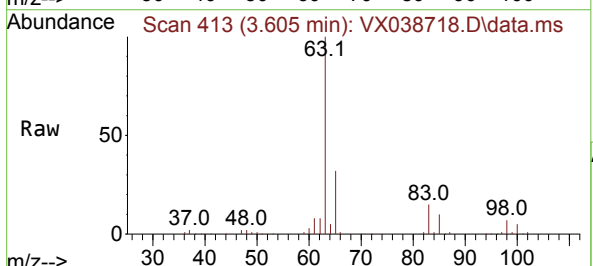
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 VSTDCCC050

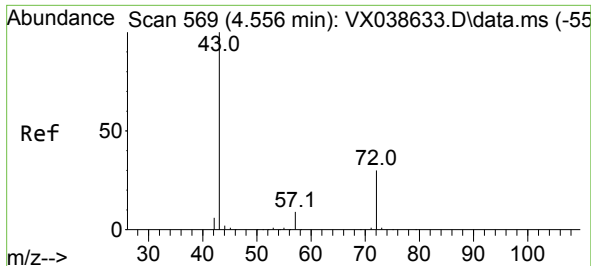
Tgt Ion: 43 Resp: 1366115  
 Ion Ratio Lower Upper  
 43 100  
 86 13.0 7.8 11.8#



#24  
 1,1-Dichloroethane  
 Concen: 48.818 ug/l  
 RT: 3.605 min Scan# 413  
 Delta R.T. -0.006 min  
 Lab File: VX038718.D  
 Acq: 10 Nov 2023 10:35

Tgt Ion: 63 Resp: 249020  
 Ion Ratio Lower Upper  
 63 100  
 98 7.4 3.3 9.8  
 100 4.9 2.1 6.5

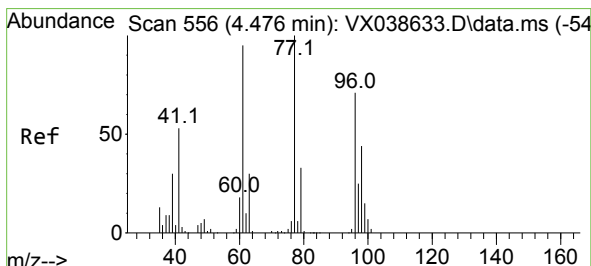
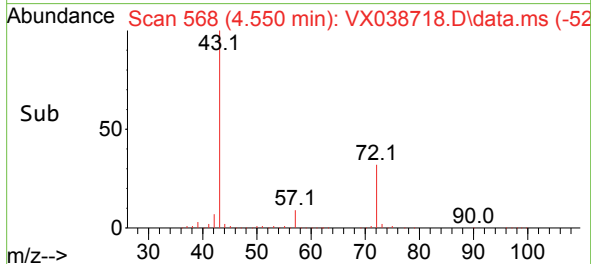
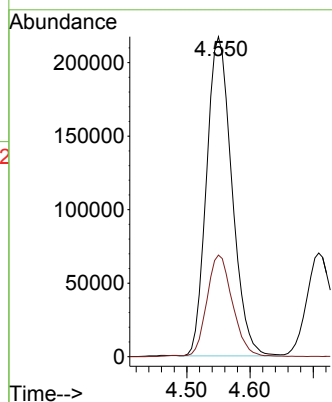
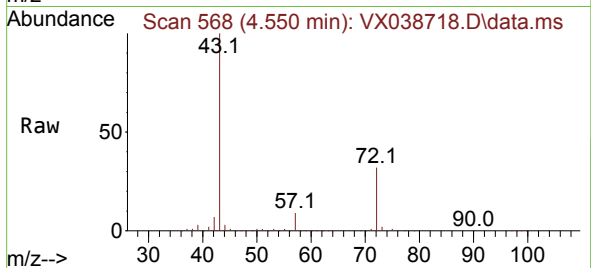




#25  
2-Butanone  
Concen: 260.459 ug/l  
RT: 4.550 min Scan# 569  
Delta R.T. -0.006 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

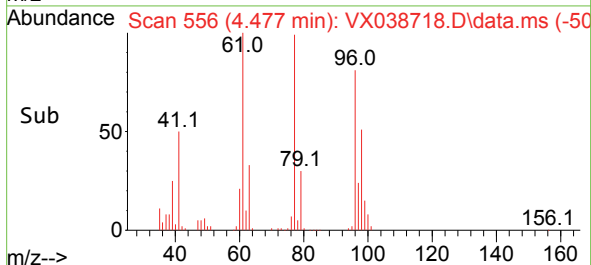
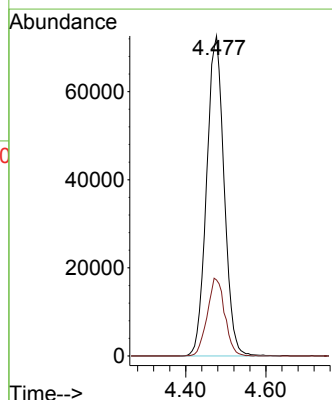
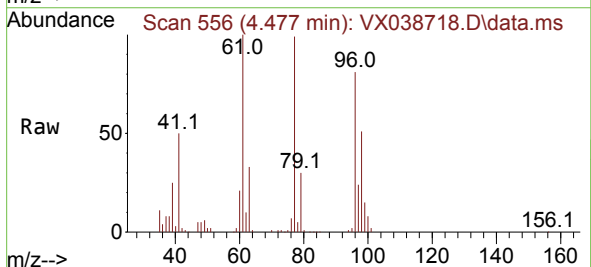
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

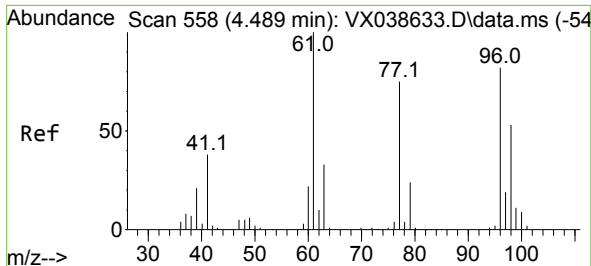
Tgt Ion: 43 Resp: 605434  
Ion Ratio Lower Upper  
43 100  
72 31.6 19.4 29.2#



#26  
2,2-Dichloropropane  
Concen: 49.308 ug/l  
RT: 4.477 min Scan# 556  
Delta R.T. 0.000 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

Tgt Ion: 77 Resp: 219610  
Ion Ratio Lower Upper  
77 100  
97 24.3 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 50.001 ug/l

RT: 4.483 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX038718.D

Acq: 10 Nov 2023 10:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

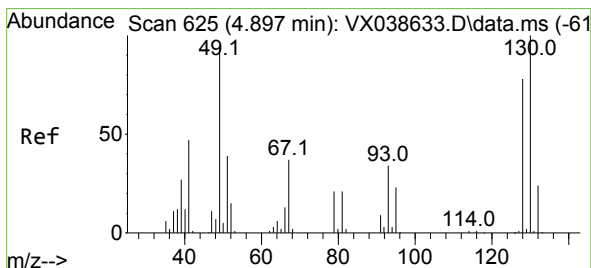
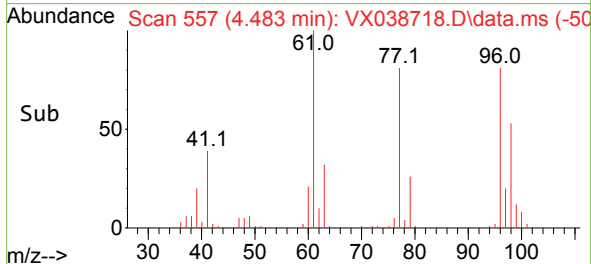
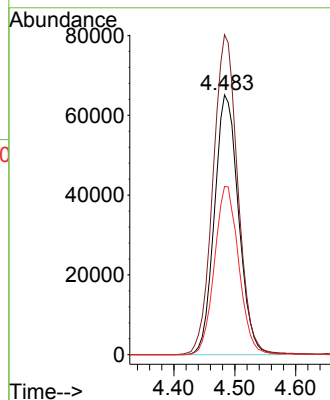
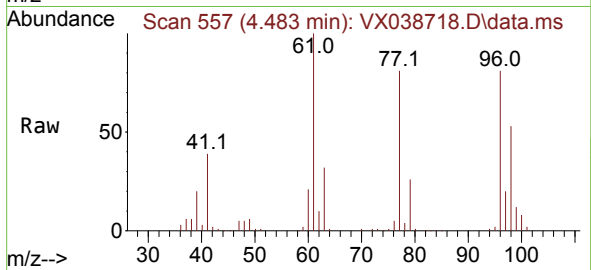
Tgt Ion: 96 Resp: 179536

Ion Ratio Lower Upper

96 100

61 126.7 0.0 312.2

98 65.3 0.0 129.0



#28

Bromochloromethane

Concen: 51.334 ug/l

RT: 4.898 min Scan# 625

Delta R.T. 0.000 min

Lab File: VX038718.D

Acq: 10 Nov 2023 10:35

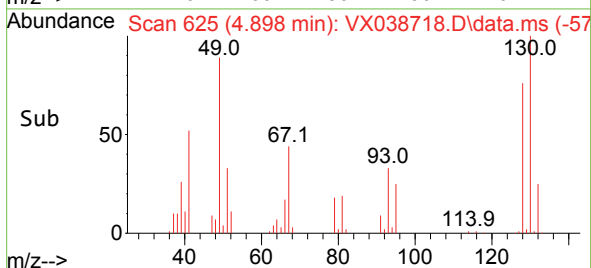
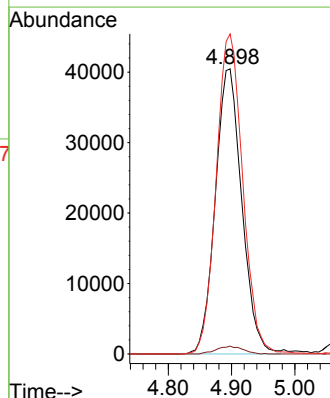
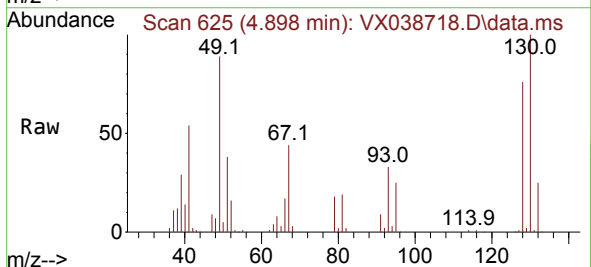
Tgt Ion: 49 Resp: 117679

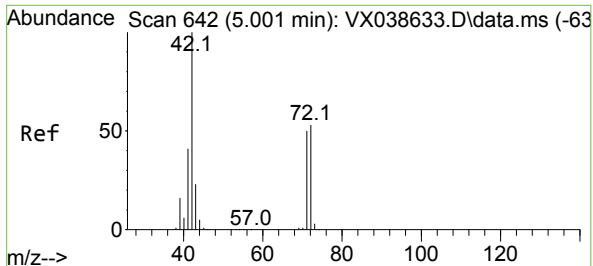
Ion Ratio Lower Upper

49 100

129 2.7 0.0 3.8

130 112.6 57.5 86.3#





#29

Tetrahydrofuran

Concen: 239.059 ug/l

RT: 4.995 min Scan# 64

Delta R.T. -0.006 min

Lab File: VX038718.D

Acq: 10 Nov 2023 10:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

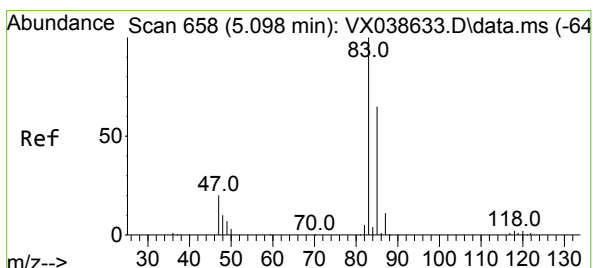
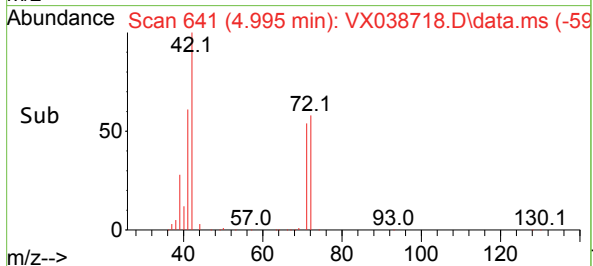
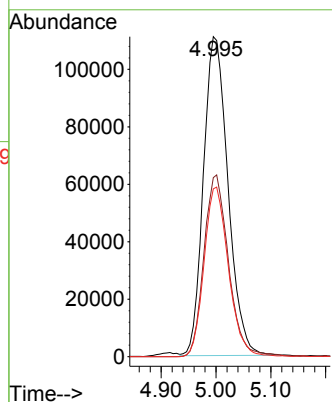
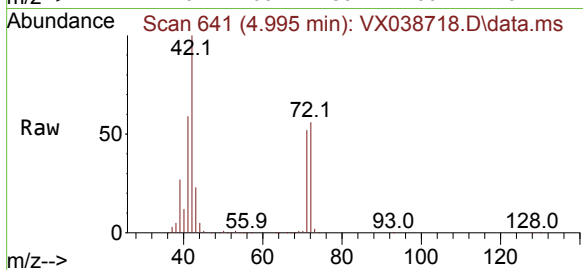
Tgt Ion: 42 Resp: 345736

Ion Ratio Lower Upper

42 100

72 57.1 34.2 51.4#

71 52.9 32.2 48.2#



#30

Chloroform

Concen: 48.288 ug/l

RT: 5.093 min Scan# 657

Delta R.T. -0.006 min

Lab File: VX038718.D

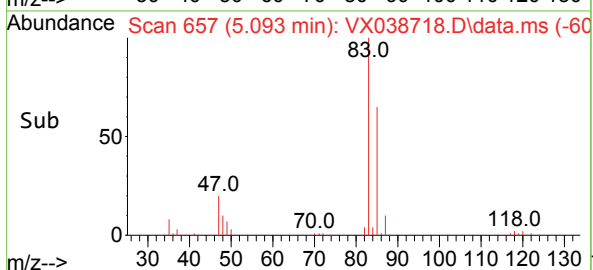
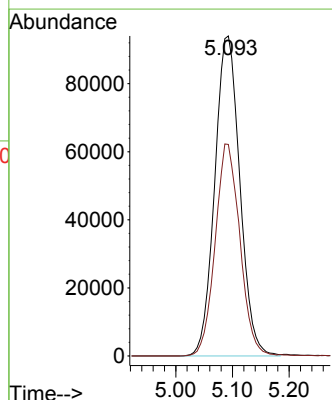
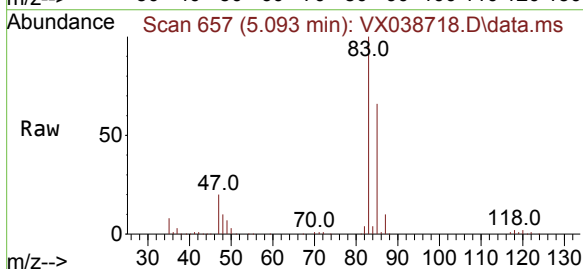
Acq: 10 Nov 2023 10:35

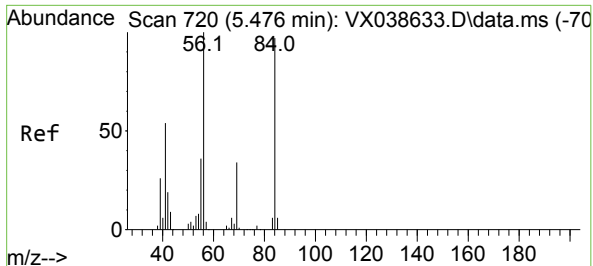
Tgt Ion: 83 Resp: 289007

Ion Ratio Lower Upper

83 100

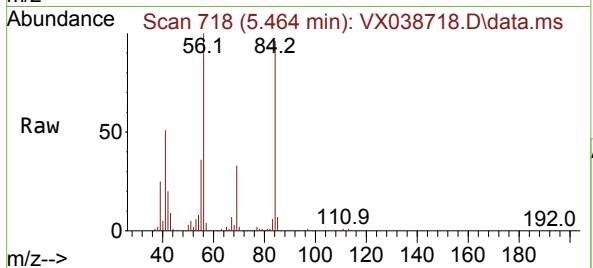
85 66.1 50.3 75.5



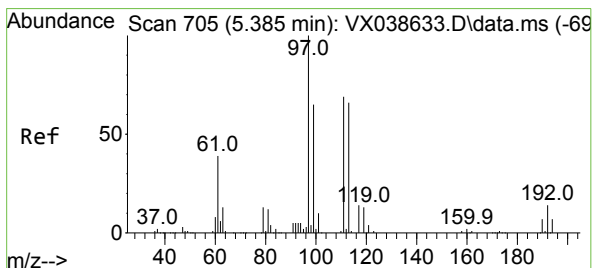
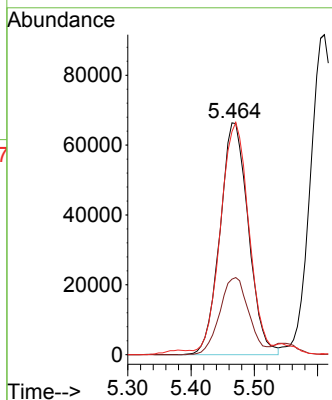
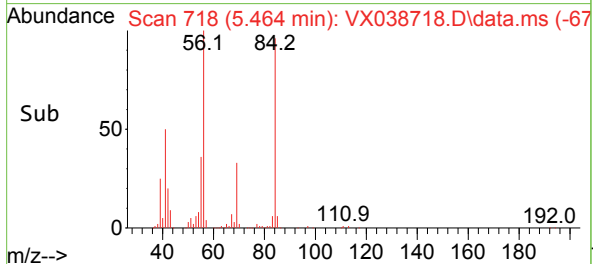


#31  
Cyclohexane  
Concen: 49.068 ug/l  
RT: 5.464 min Scan# 718  
Delta R.T. -0.012 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

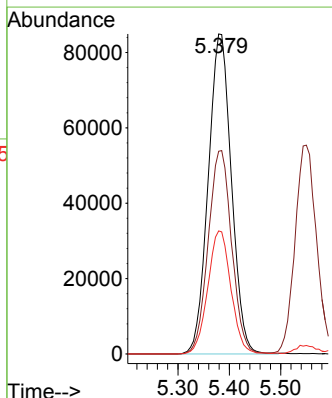
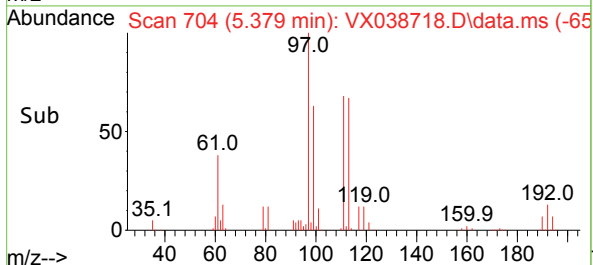
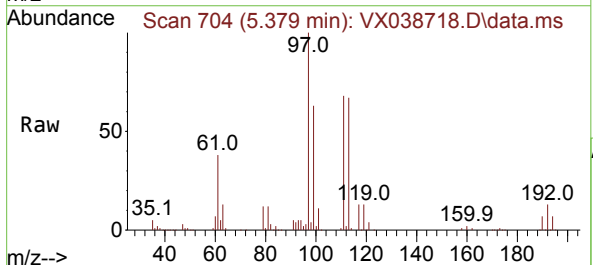


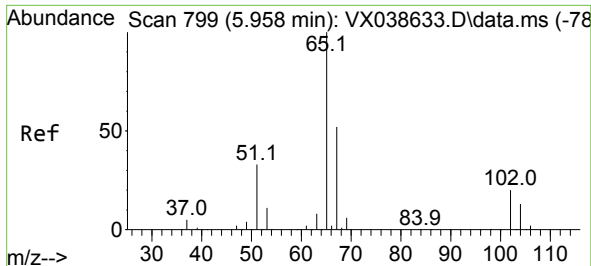
Tgt Ion: 56 Resp: 206910  
Ion Ratio Lower Upper  
56 100  
69 32.6 23.4 35.2  
84 94.3 65.9 98.9



#32  
1,1,1-Trichloroethane  
Concen: 50.456 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. -0.006 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

Tgt Ion: 97 Resp: 265756  
Ion Ratio Lower Upper  
97 100  
99 64.3 51.1 76.7  
61 38.4 36.4 54.6

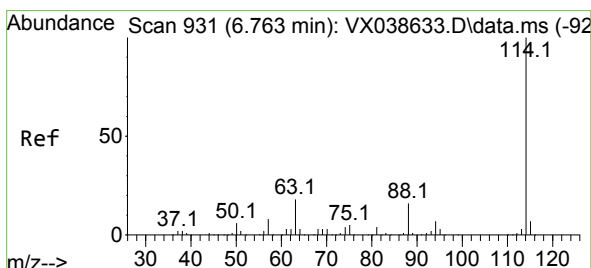
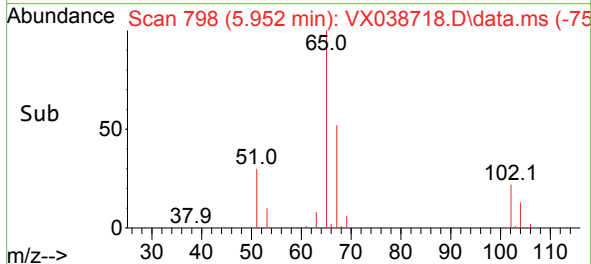
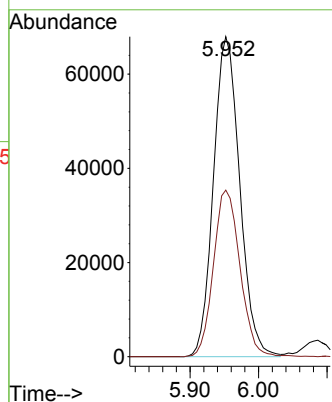
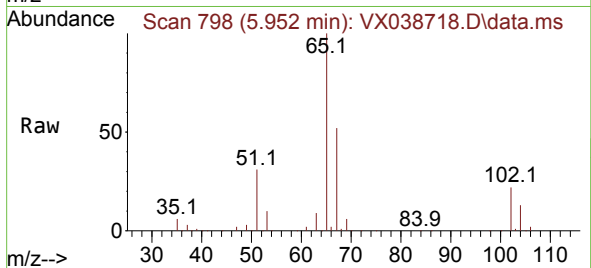




#33  
1,2-Dichloroethane-d4  
Concen: 47.425 ug/l  
RT: 5.952 min Scan# 799  
Delta R.T. -0.006 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

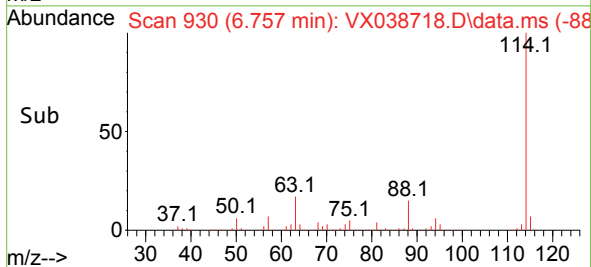
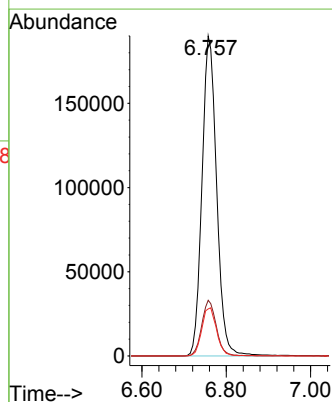
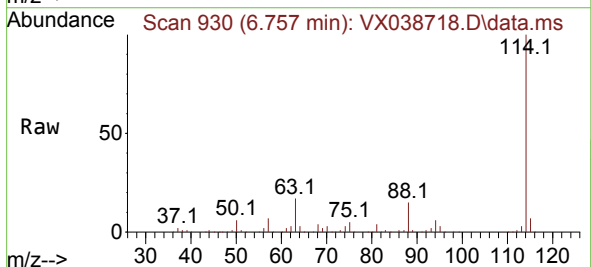
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

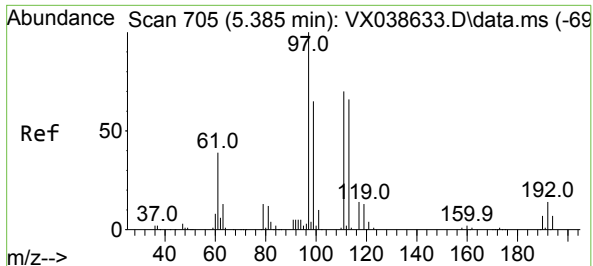
Tgt Ion: 65 Resp: 180695  
Ion Ratio Lower Upper  
65 100  
67 52.6 0.0 100.2



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 930  
Delta R.T. -0.006 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

Tgt Ion: 114 Resp: 459640  
Ion Ratio Lower Upper  
114 100  
63 17.4 0.0 45.0  
88 14.7 0.0 36.6

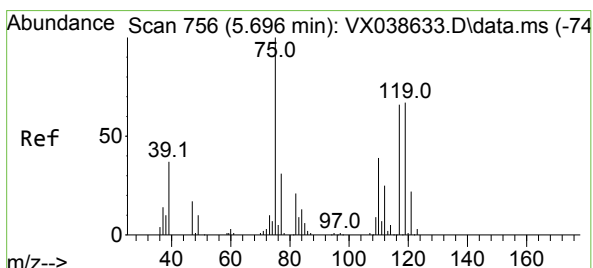
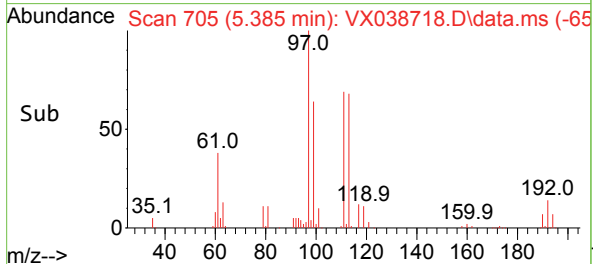
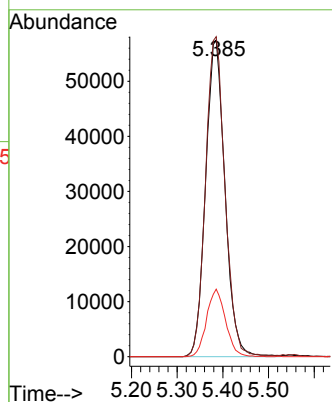
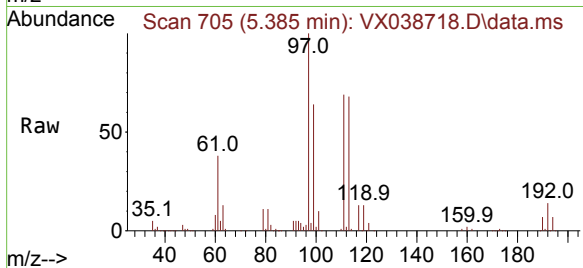




#35  
Dibromofluoromethane  
Concen: 50.941 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

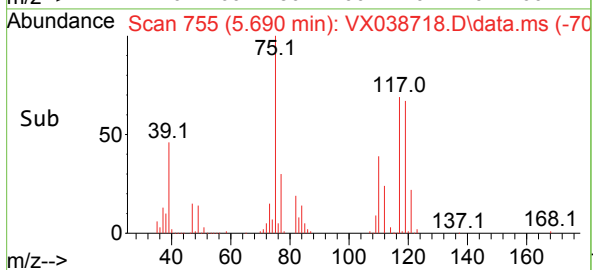
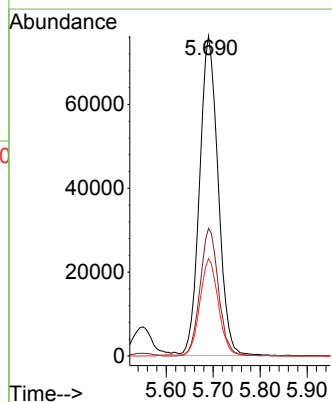
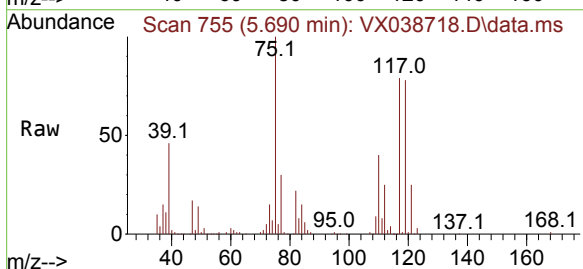
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

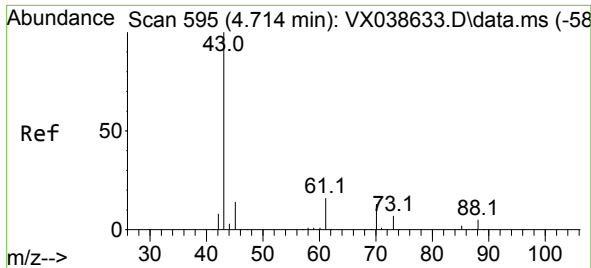
Tgt Ion:113 Resp: 168637  
Ion Ratio Lower Upper  
113 100  
111 101.5 82.9 124.3  
192 21.0 13.3 19.9#



#36  
1,1-Dichloropropene  
Concen: 50.681 ug/l  
RT: 5.690 min Scan# 755  
Delta R.T. -0.006 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

Tgt Ion: 75 Resp: 208412  
Ion Ratio Lower Upper  
75 100  
110 39.8 17.0 50.9  
77 30.3 24.7 37.1





#37

Ethyl Acetate

Concen: 48.277 ug/l

RT: 4.709 min Scan# 594

Delta R.T. -0.006 min

Lab File: VX038718.D

Acq: 10 Nov 2023 10:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

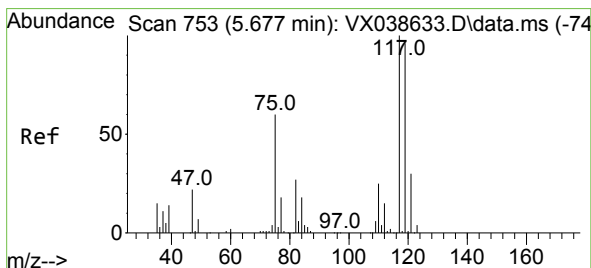
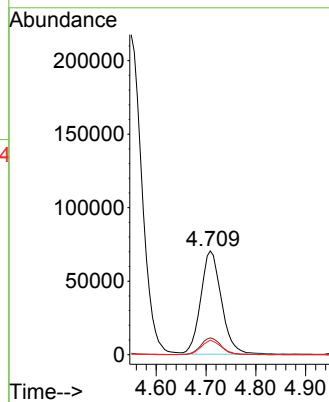
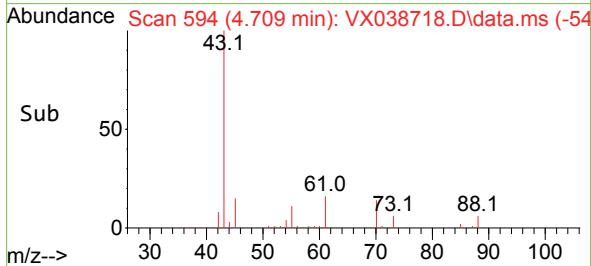
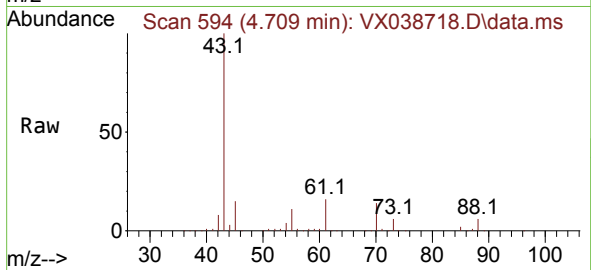
Tgt Ion: 43 Resp: 202691

Ion Ratio Lower Upper

43 100

61 15.9 10.6 16.0

70 13.5 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 52.177 ug/l

RT: 5.678 min Scan# 753

Delta R.T. 0.000 min

Lab File: VX038718.D

Acq: 10 Nov 2023 10:35

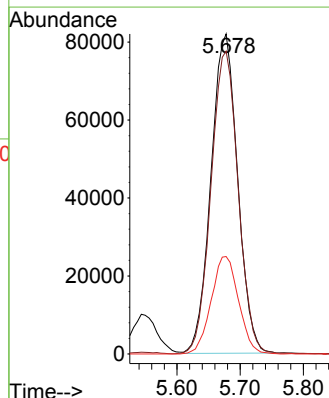
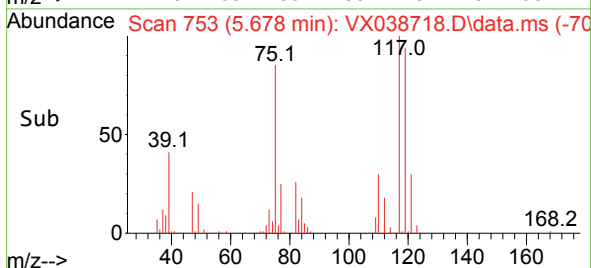
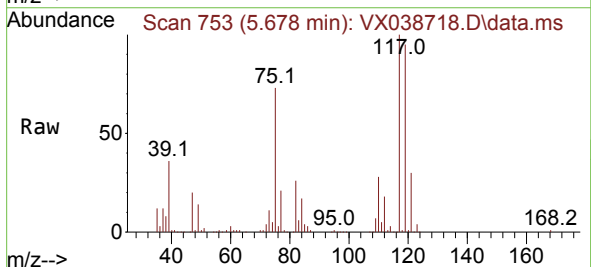
Tgt Ion:117 Resp: 239867

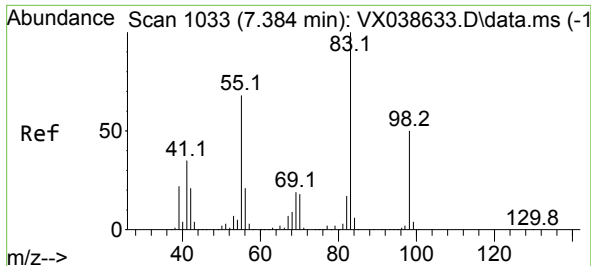
Ion Ratio Lower Upper

117 100

119 94.7 78.2 117.2

121 30.6 24.4 36.6





#39

Methylcyclohexane

Concen: 51.449 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. -0.006 min

Lab File: VX038718.D

Acq: 10 Nov 2023 10:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

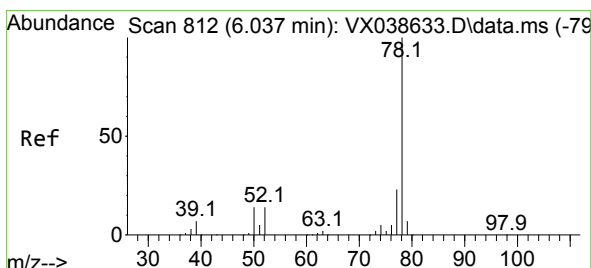
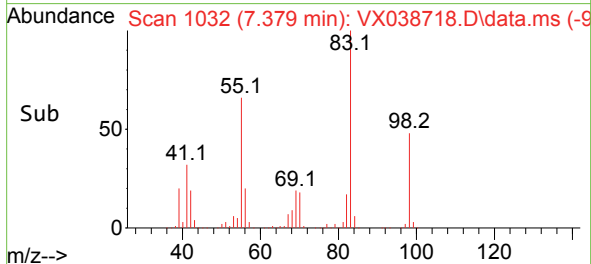
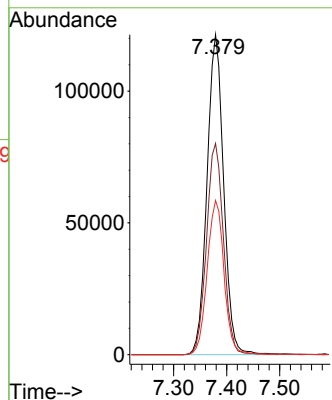
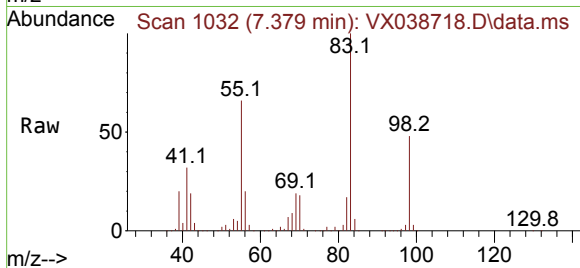
Tgt Ion: 83 Resp: 264522

Ion Ratio Lower Upper

83 100

55 66.0 64.6 97.0

98 48.2 36.7 55.1



#40

Benzene

Concen: 50.252 ug/l

RT: 6.038 min Scan# 812

Delta R.T. 0.000 min

Lab File: VX038718.D

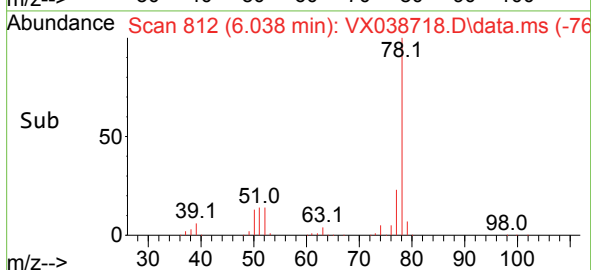
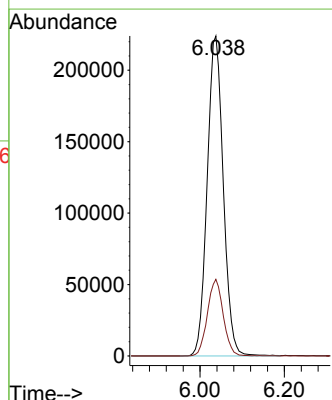
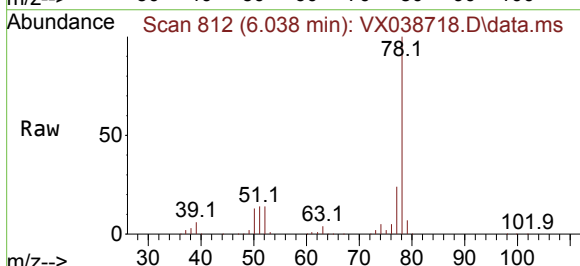
Acq: 10 Nov 2023 10:35

Tgt Ion: 78 Resp: 595209

Ion Ratio Lower Upper

78 100

77 23.9 19.3 28.9

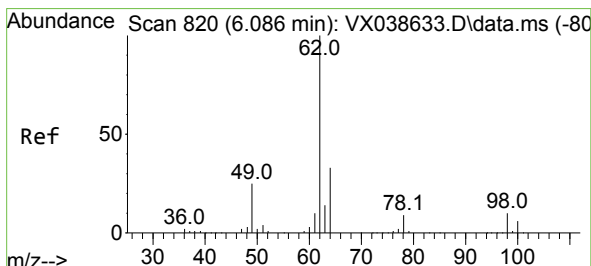
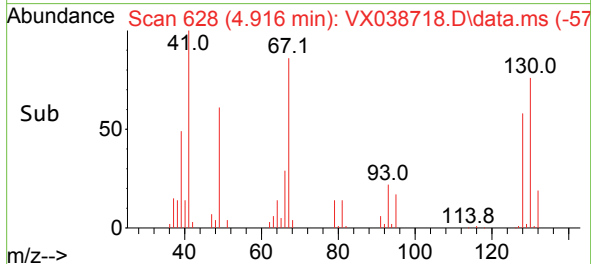
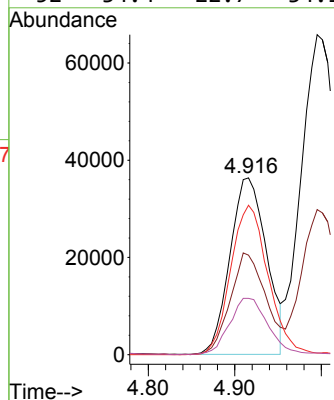
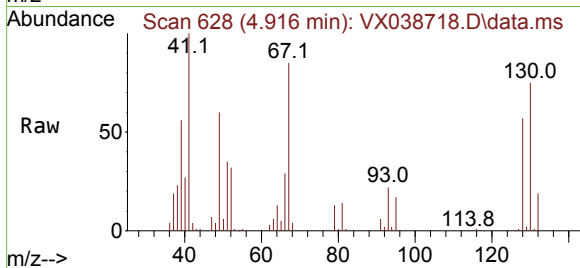




#41  
Methacrylonitrile  
Concen: 49.789 ug/l  
RT: 4.916 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

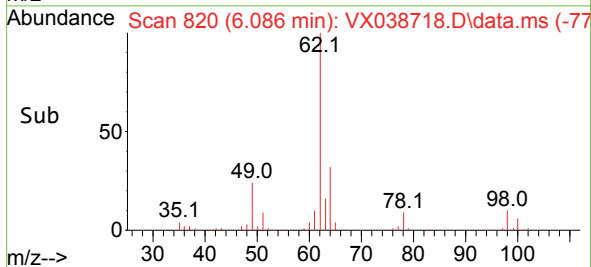
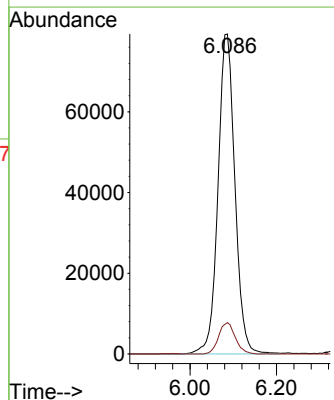
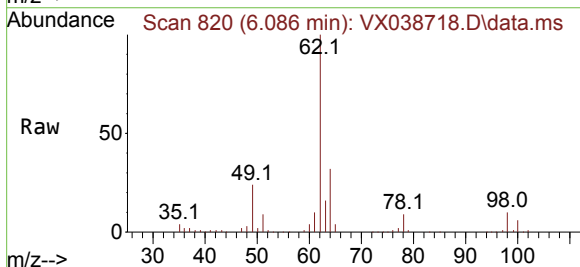
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

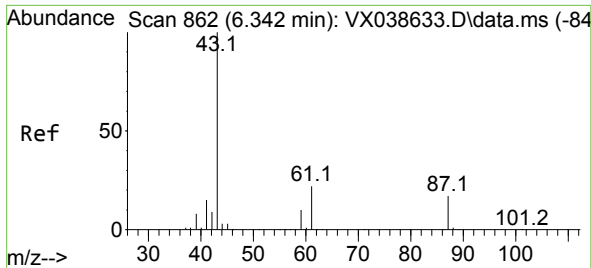
Tgt Ion: 41 Resp: 106499  
Ion Ratio Lower Upper  
41 100  
39 57.5 45.2 67.8  
67 87.4 52.6 78.8#  
52 34.4 22.7 34.1#



#42  
1,2-Dichloroethane  
Concen: 50.323 ug/l  
RT: 6.086 min Scan# 820  
Delta R.T. 0.000 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

Tgt Ion: 62 Resp: 215065  
Ion Ratio Lower Upper  
62 100  
98 9.6 0.0 16.0

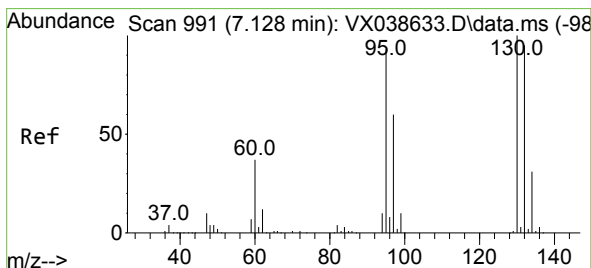
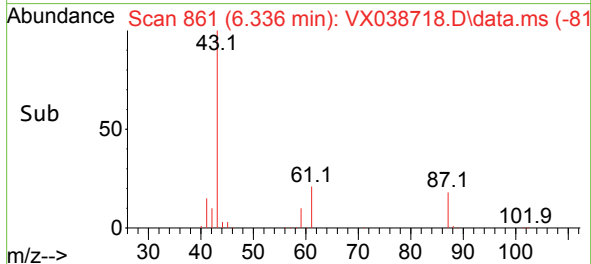
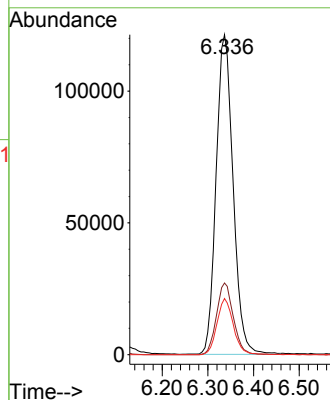
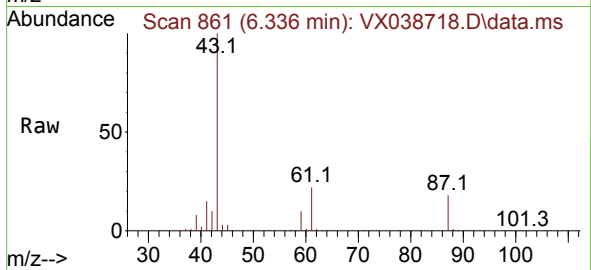




#43  
Isopropyl Acetate  
Concen: 48.474 ug/l  
RT: 6.336 min Scan# 80  
Delta R.T. -0.006 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

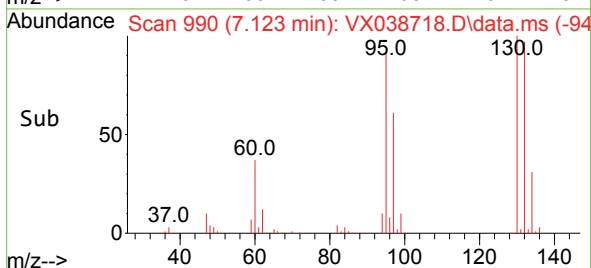
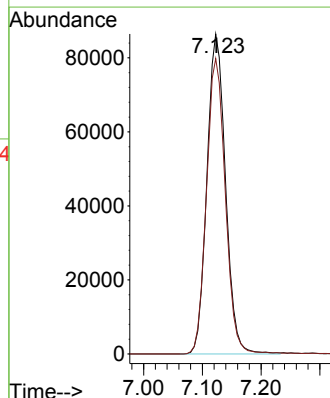
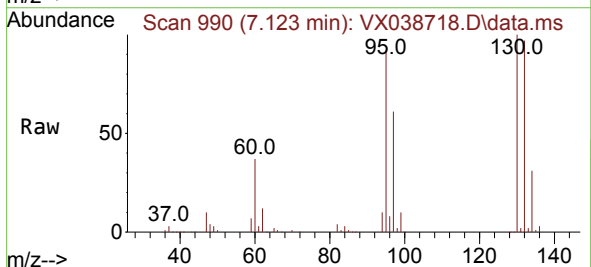
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

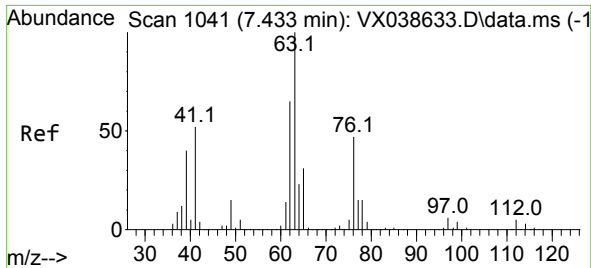
Tgt Ion: 43 Resp: 312890  
Ion Ratio Lower Upper  
43 100  
61 22.2 15.2 22.8  
87 17.0 9.8 14.6#



#44  
Trichloroethene  
Concen: 51.498 ug/l  
RT: 7.123 min Scan# 990  
Delta R.T. -0.006 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

Tgt Ion:130 Resp: 189783  
Ion Ratio Lower Upper  
130 100  
95 92.3 0.0 204.4

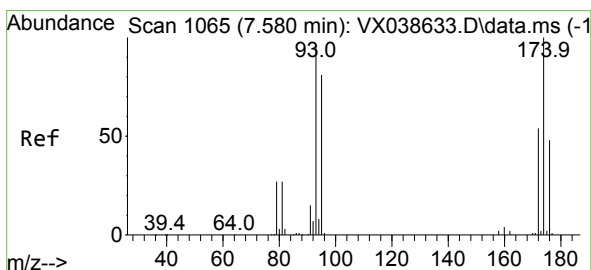
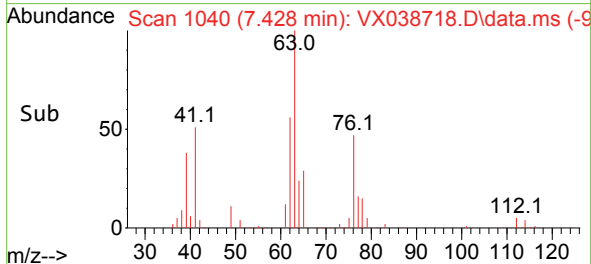
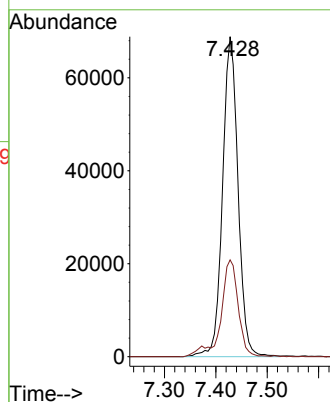
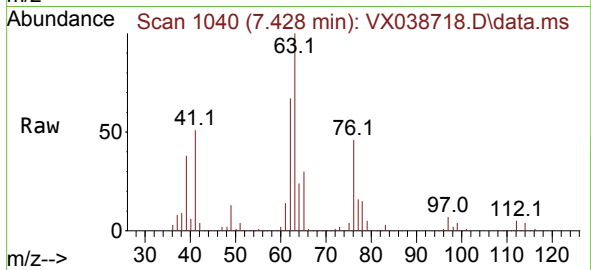




#45  
1,2-Dichloropropane  
Concen: 50.325 ug/l  
RT: 7.428 min Scan# 1040  
Delta R.T. -0.006 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

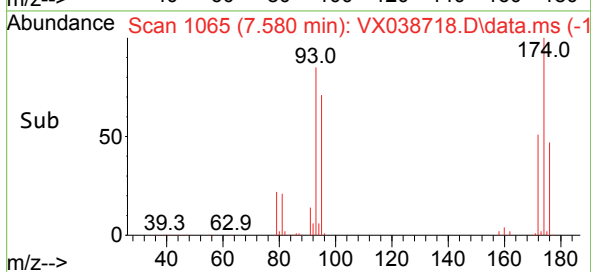
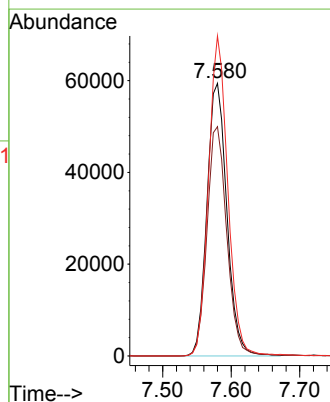
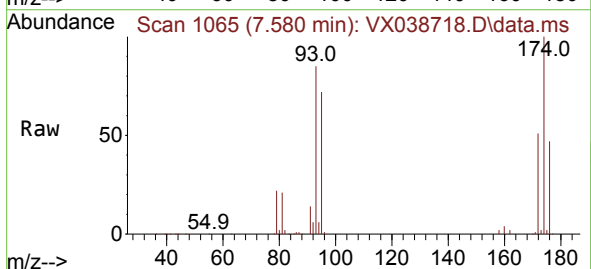
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

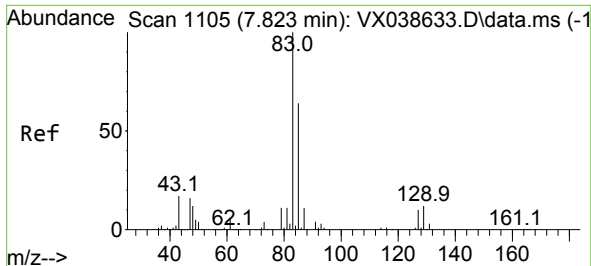
Tgt Ion: 63 Resp: 144094  
Ion Ratio Lower Upper  
63 100  
65 30.2 24.3 36.5



#46  
Dibromomethane  
Concen: 50.151 ug/l  
RT: 7.580 min Scan# 1065  
Delta R.T. 0.000 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

Tgt Ion: 93 Resp: 120088  
Ion Ratio Lower Upper  
93 100  
95 83.8 66.6 100.0  
174 114.2 69.4 104.0#

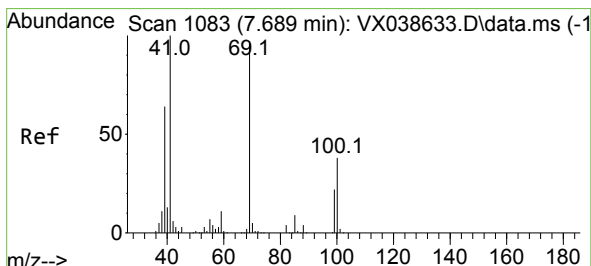
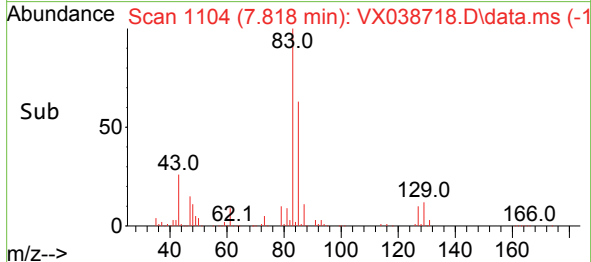
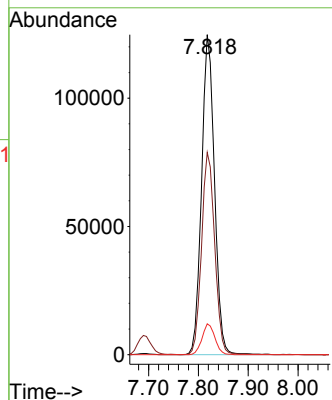
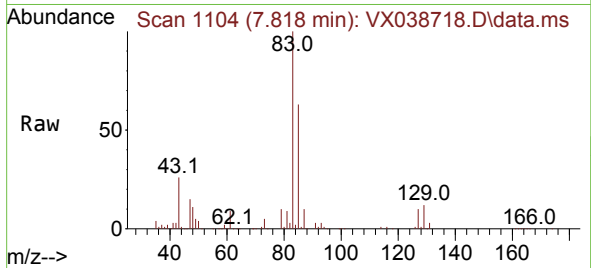




#47  
Bromodichloromethane  
Concen: 49.765 ug/l  
RT: 7.818 min Scan# 1104  
Delta R.T. -0.006 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

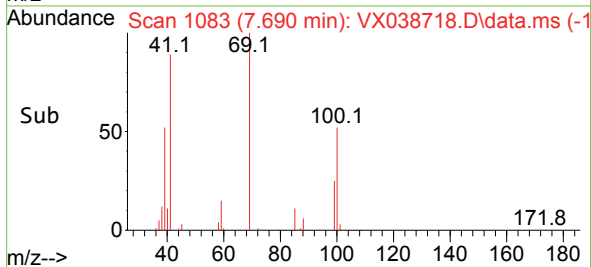
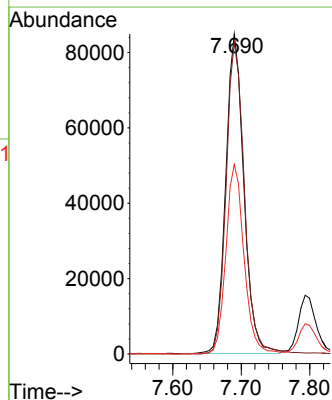
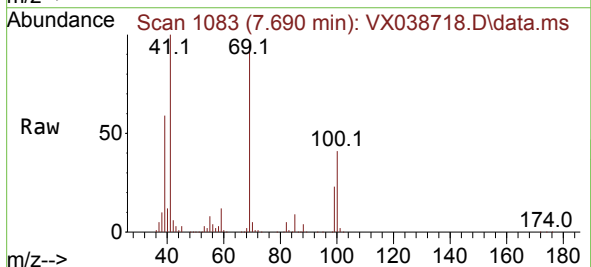
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

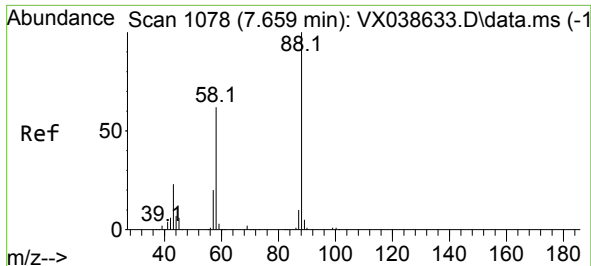
Tgt Ion: 83 Resp: 224105  
Ion Ratio Lower Upper  
83 100  
85 63.2 49.8 74.6  
127 9.7 7.1 10.7



#48  
Methyl methacrylate  
Concen: 49.912 ug/l  
RT: 7.690 min Scan# 1083  
Delta R.T. 0.000 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

Tgt Ion: 41 Resp: 155262  
Ion Ratio Lower Upper  
41 100  
69 98.9 59.2 88.8#  
39 59.6 47.7 71.5





#49

1,4-Dioxane

Concen: 1089.423 ug/l

RT: 7.653 min Scan# 1077

Delta R.T. -0.006 min

Lab File: VX038718.D

Acq: 10 Nov 2023 10:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

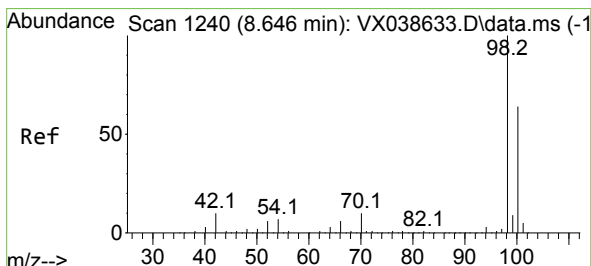
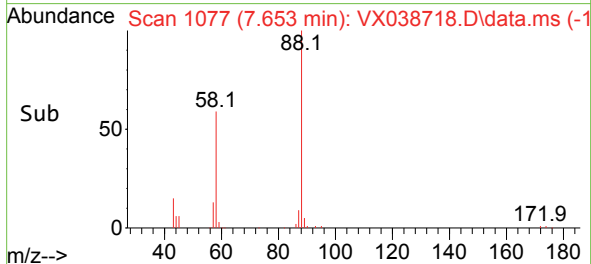
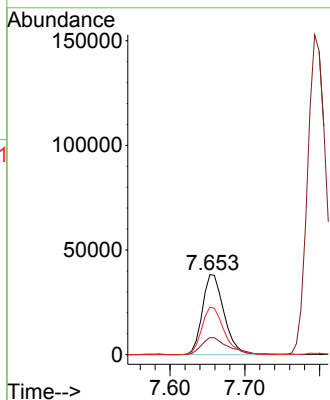
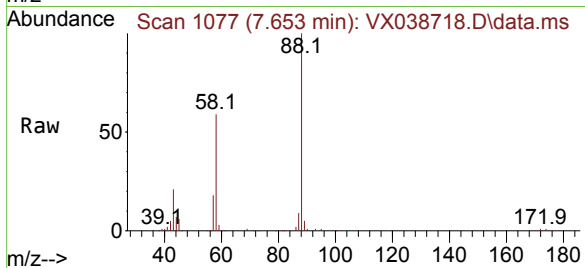
Tgt Ion: 88 Resp: 77148

Ion Ratio Lower Upper

88 100

43 27.1 0.0 0.0#

58 61.4 60.1 90.1



#50

Toluene-d8

Concen: 50.245 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX038718.D

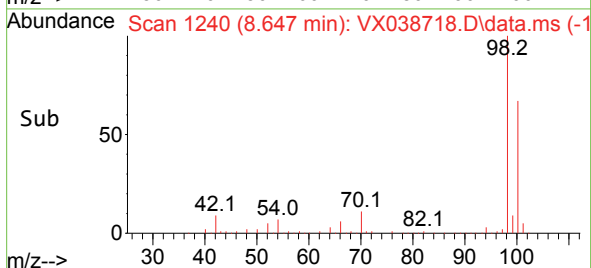
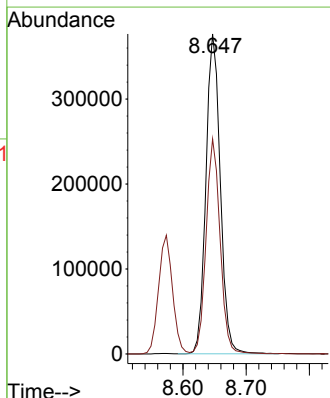
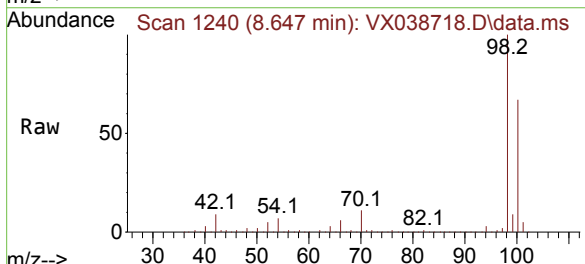
Acq: 10 Nov 2023 10:35

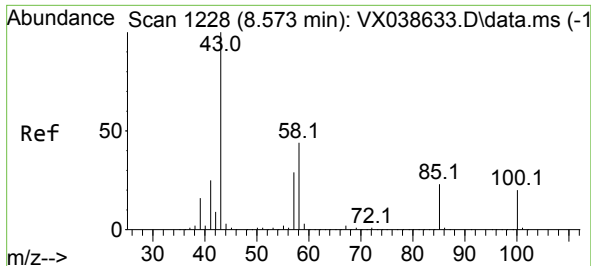
Tgt Ion: 98 Resp: 595210

Ion Ratio Lower Upper

98 100

100 65.4 53.1 79.7

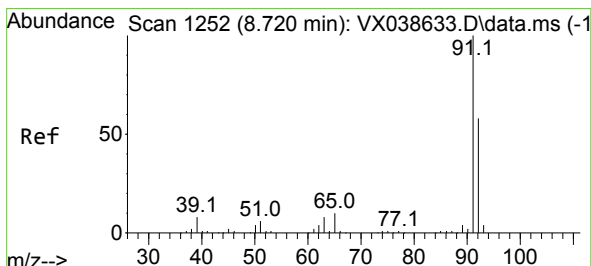
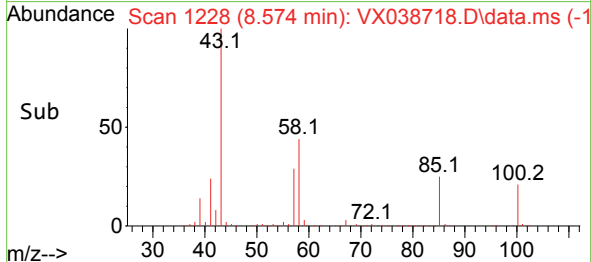
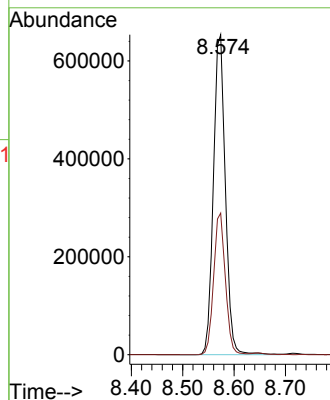
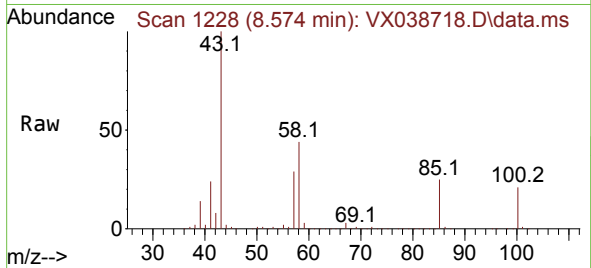




#51  
4-Methyl-2-Pentanone  
Concen: 250.892 ug/l  
RT: 8.574 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

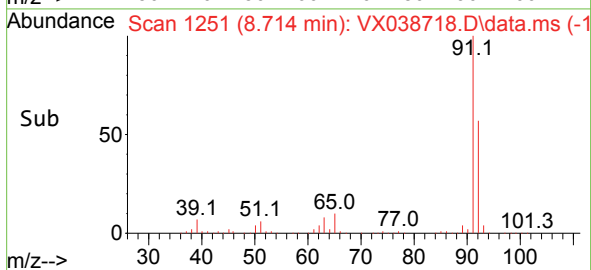
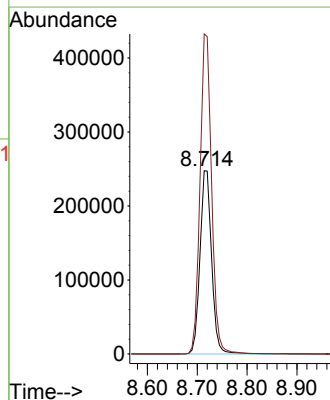
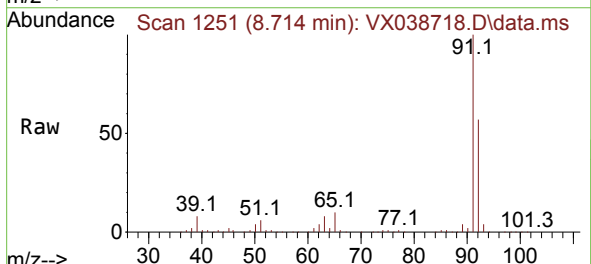
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

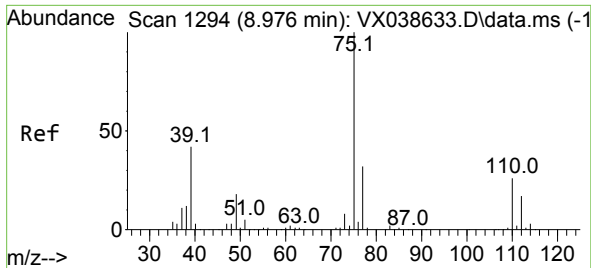
Tgt Ion: 43 Resp: 1055127  
Ion Ratio Lower Upper  
43 100  
58 43.6 30.4 45.6



#52  
Toluene  
Concen: 51.491 ug/l  
RT: 8.714 min Scan# 1251  
Delta R.T. -0.006 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

Tgt Ion: 92 Resp: 399522  
Ion Ratio Lower Upper  
92 100  
91 174.5 134.2 201.2

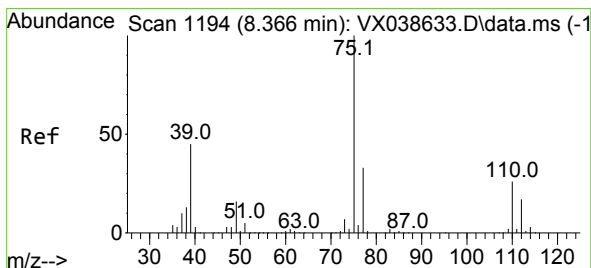
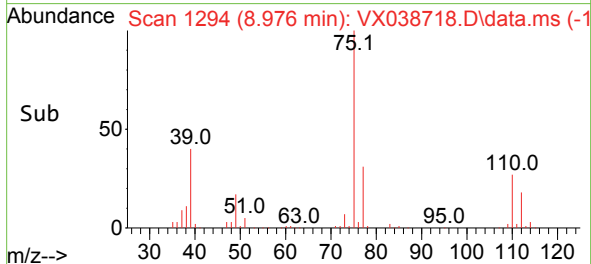
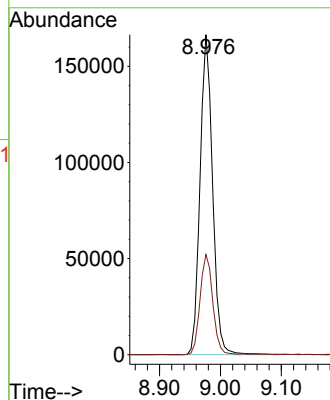
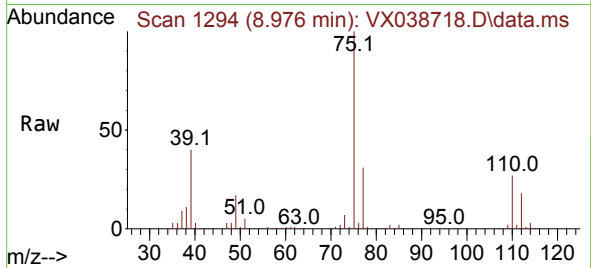




#53  
t-1,3-Dichloropropene  
Concen: 51.951 ug/l  
RT: 8.976 min Scan# 1294  
Delta R.T. 0.000 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

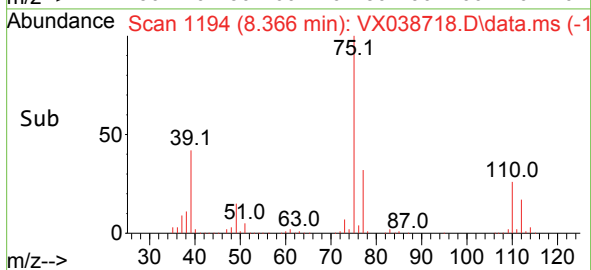
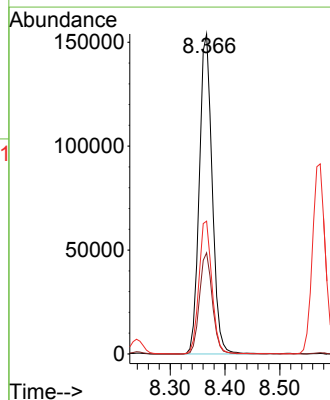
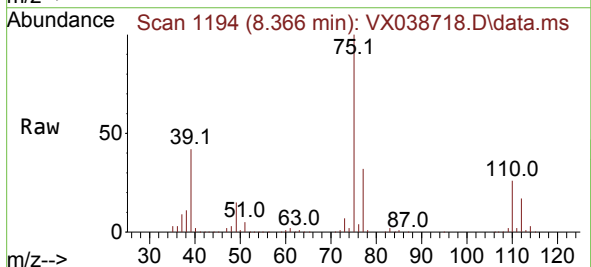
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

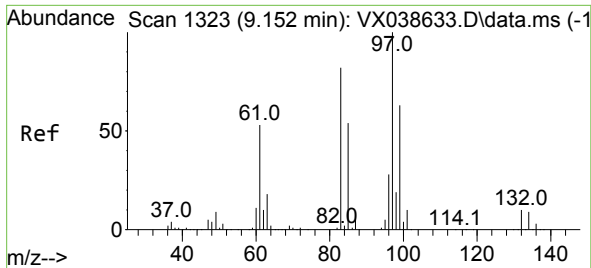
Tgt Ion: 75 Resp: 238181  
Ion Ratio Lower Upper  
75 100  
77 31.3 25.7 38.5



#54  
cis-1,3-Dichloropropene  
Concen: 52.003 ug/l  
RT: 8.366 min Scan# 1194  
Delta R.T. 0.000 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

Tgt Ion: 75 Resp: 251693  
Ion Ratio Lower Upper  
75 100  
77 31.6 25.3 37.9  
39 41.5 46.7 70.1#



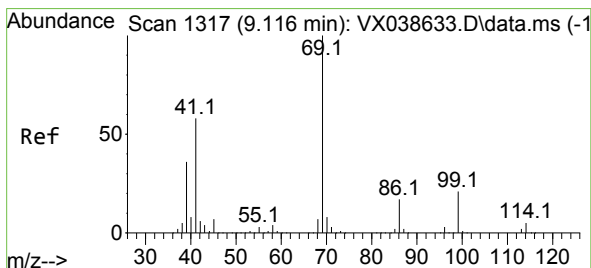
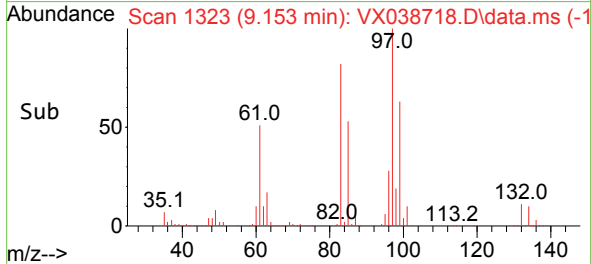
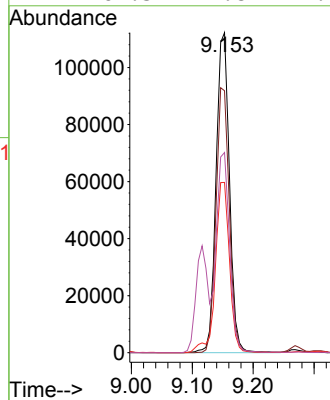
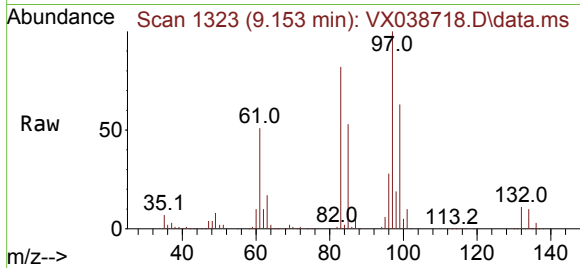


#55  
1,1,2-Trichloroethane  
Concen: 51.881 ug/l  
RT: 9.153 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 97 Resp: 170801

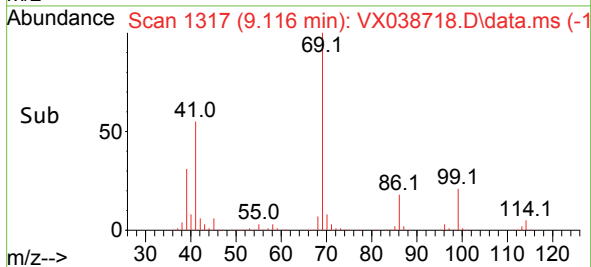
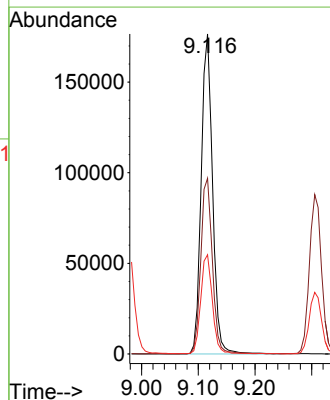
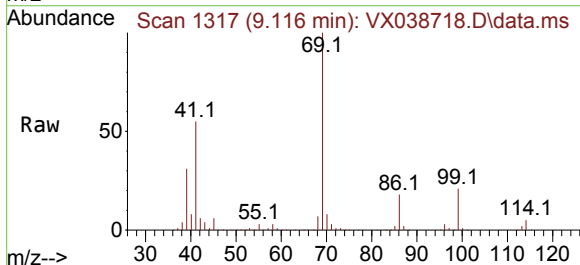
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 81.8  | 65.8  | 98.8  |
| 85  | 53.2  | 41.6  | 62.4  |
| 99  | 62.5  | 47.8  | 71.8  |

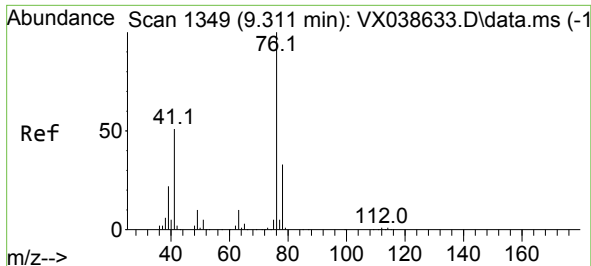


#56  
Ethyl methacrylate  
Concen: 53.176 ug/l  
RT: 9.116 min Scan# 1317  
Delta R.T. 0.000 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

Tgt Ion: 69 Resp: 244935

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 56.0  | 56.8  | 85.2# |
| 39  | 31.6  | 32.0  | 48.0# |





#57

1,3-Dichloropropane

Concen: 51.306 ug/l

RT: 9.305 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX038718.D

Acq: 10 Nov 2023 10:35

Instrument :

MSVOA\_X

ClientSampleId :

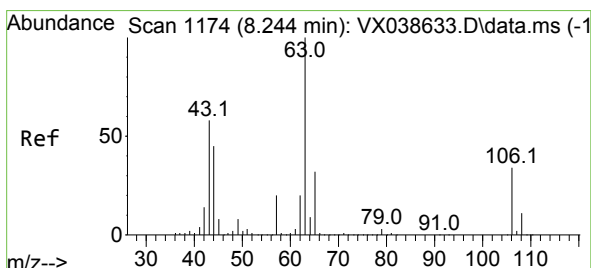
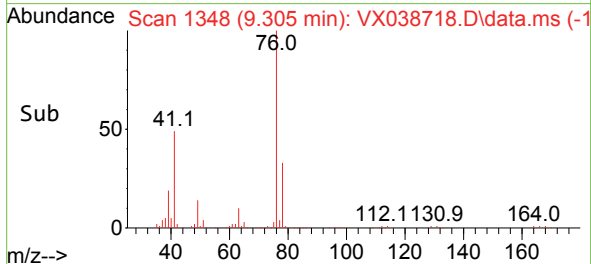
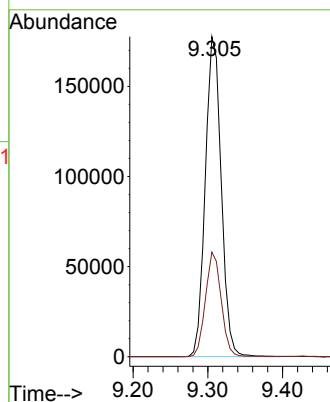
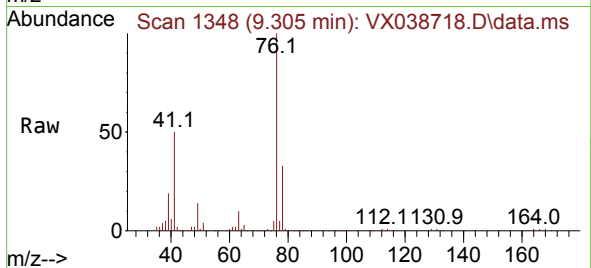
VSTDCCC050

Tgt Ion: 76 Resp: 263081

Ion Ratio Lower Upper

76 100

78 32.3 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 253.908 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.006 min

Lab File: VX038718.D

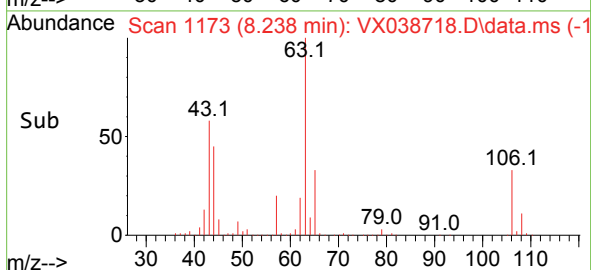
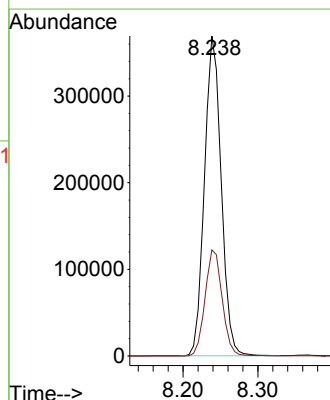
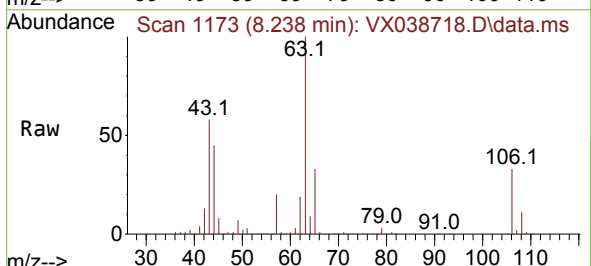
Acq: 10 Nov 2023 10:35

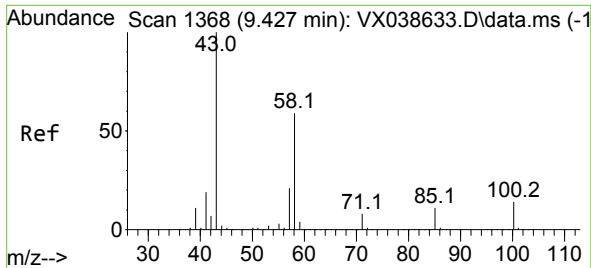
Tgt Ion: 63 Resp: 575021

Ion Ratio Lower Upper

63 100

106 33.8 22.5 33.7#

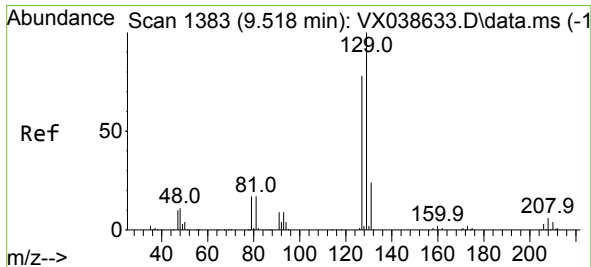
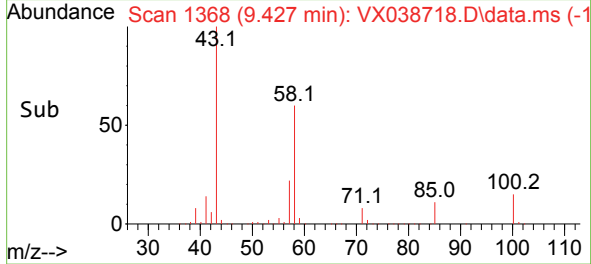
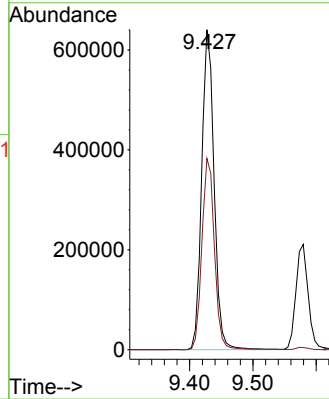
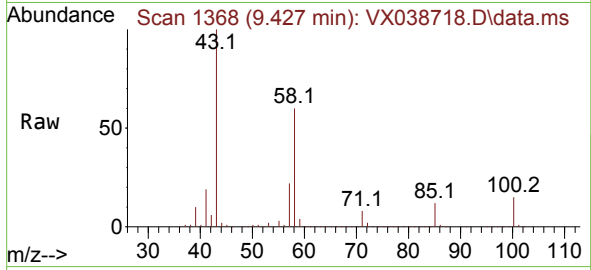




#59  
2-Hexanone  
Concen: 255.746 ug/l  
RT: 9.427 min Scan# 1368  
Delta R.T. 0.000 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

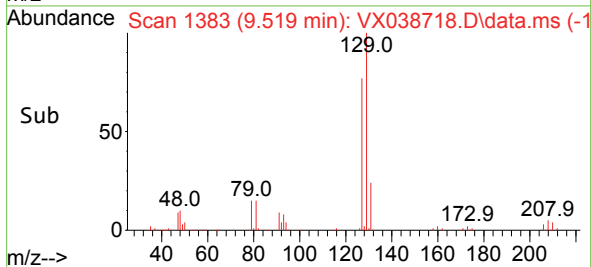
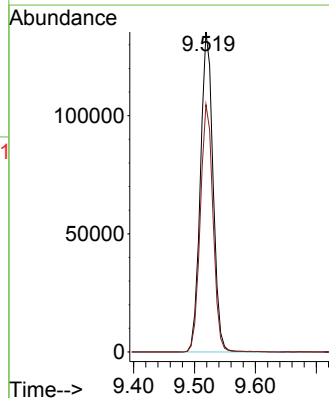
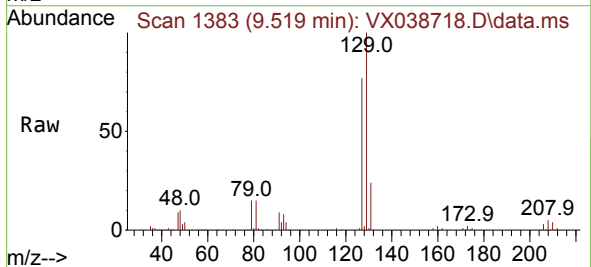
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

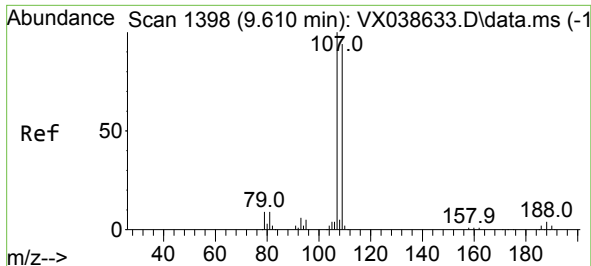
Tgt Ion: 43 Resp: 870261  
Ion Ratio Lower Upper  
43 100  
58 60.8 26.2 78.5



#60  
Dibromochloromethane  
Concen: 52.691 ug/l  
RT: 9.519 min Scan# 1383  
Delta R.T. 0.000 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

Tgt Ion: 129 Resp: 194727  
Ion Ratio Lower Upper  
129 100  
127 77.7 38.8 116.4

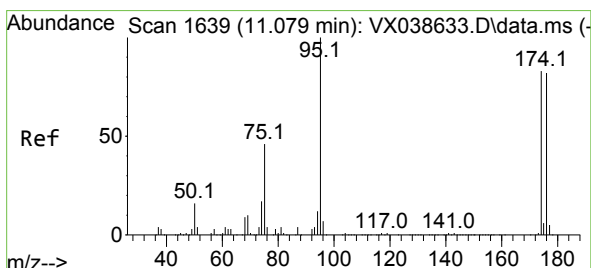
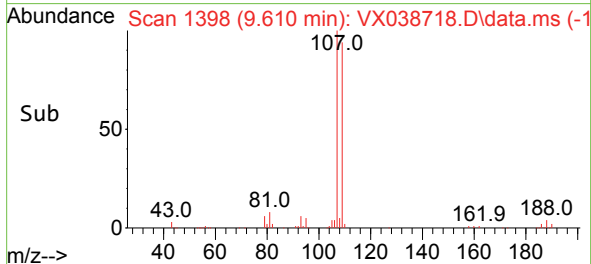
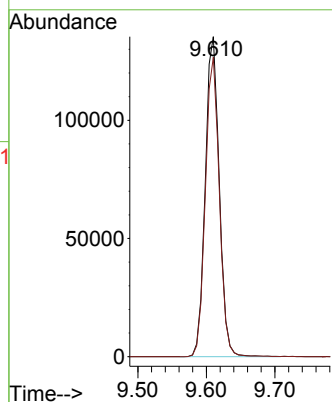
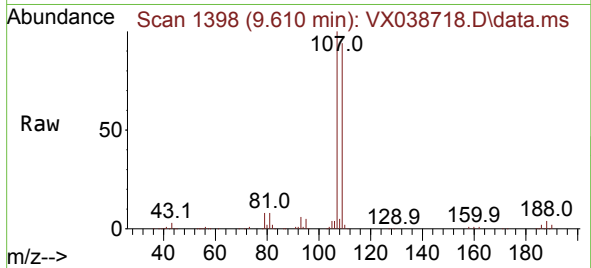




#61  
1,2-Dibromoethane  
Concen: 52.009 ug/l  
RT: 9.610 min Scan# 1398  
Delta R.T. 0.000 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

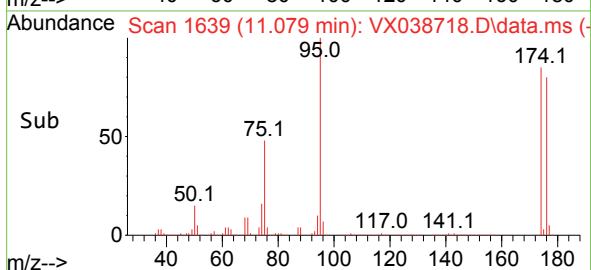
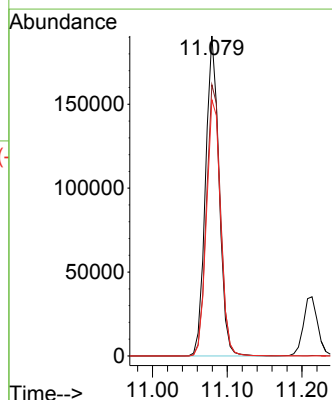
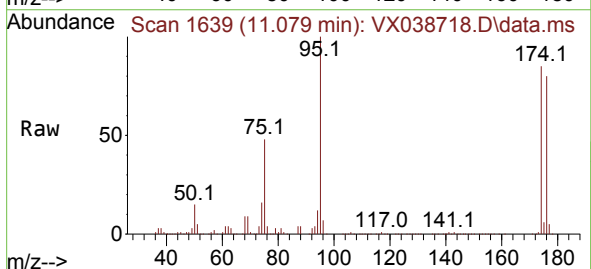
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

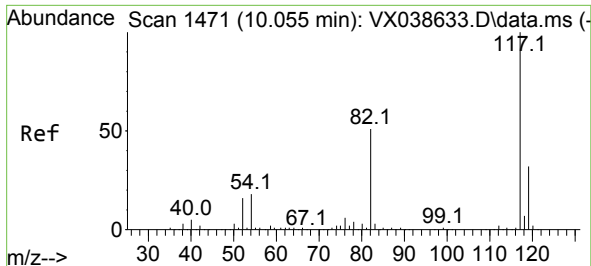
Tgt Ion:107 Resp: 192432  
Ion Ratio Lower Upper  
107 100  
109 93.6 75.2 112.8



#62  
4-Bromofluorobenzene  
Concen: 52.173 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

Tgt Ion: 95 Resp: 239625  
Ion Ratio Lower Upper  
95 100  
174 88.5 0.0 135.6  
176 83.8 0.0 131.0

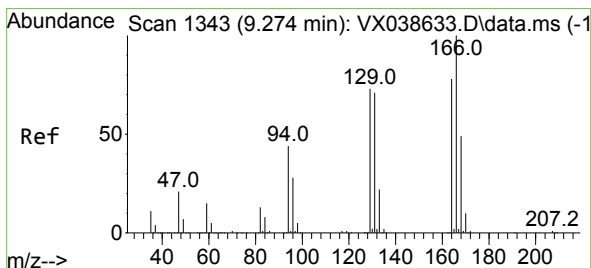
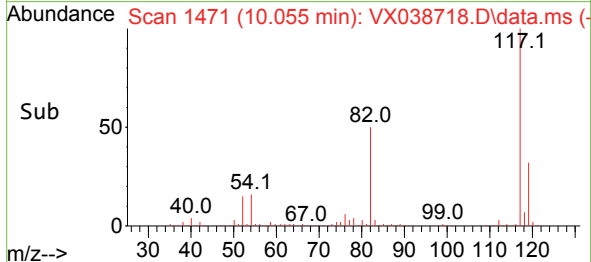
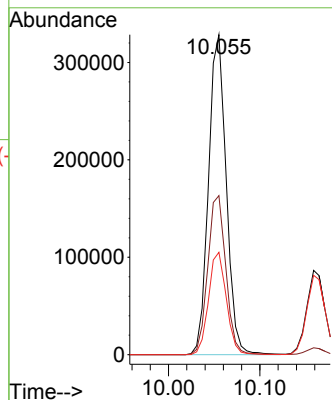
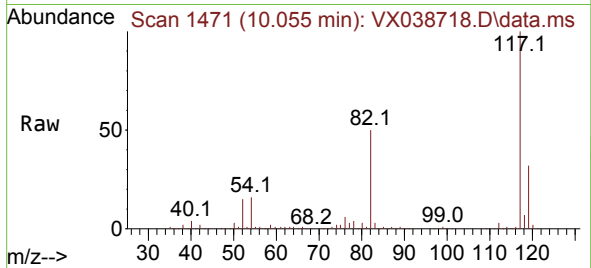




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

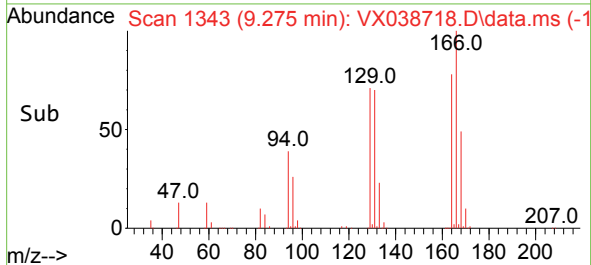
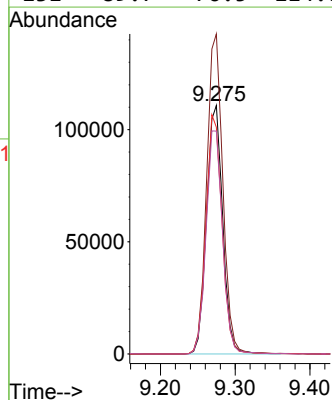
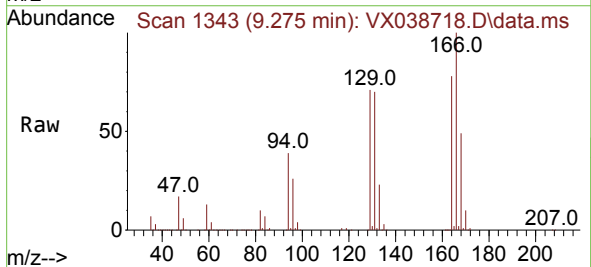
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

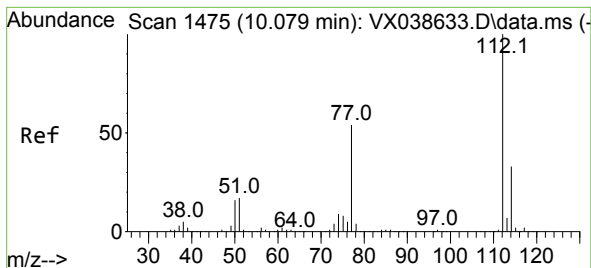
Tgt Ion:117 Resp: 441609  
Ion Ratio Lower Upper  
117 100  
82 49.7 46.2 69.4  
119 32.0 25.5 38.3



#64  
Tetrachloroethene  
Concen: 50.237 ug/l  
RT: 9.275 min Scan# 1343  
Delta R.T. 0.000 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

Tgt Ion:164 Resp: 166063  
Ion Ratio Lower Upper  
164 100  
166 128.8 102.7 154.1  
129 91.2 80.4 120.6  
131 89.7 76.5 114.7





#65

Chlorobenzene

Concen: 52.302 ug/l

RT: 10.080 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX038718.D

Acq: 10 Nov 2023 10:35

Instrument :

MSVOA\_X

ClientSampleId :

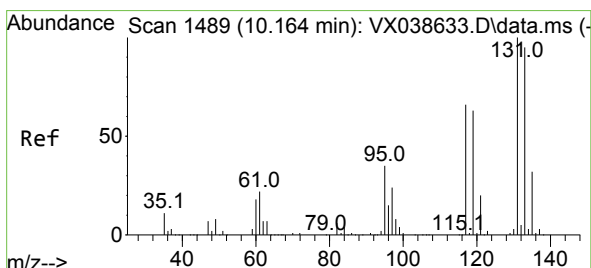
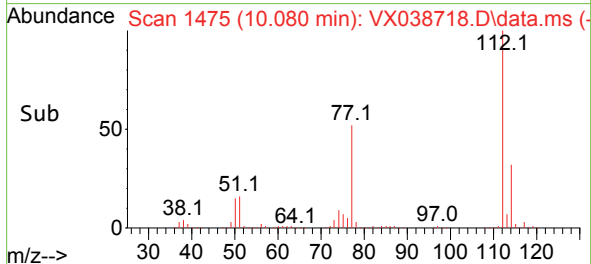
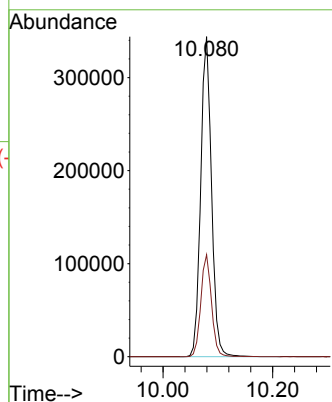
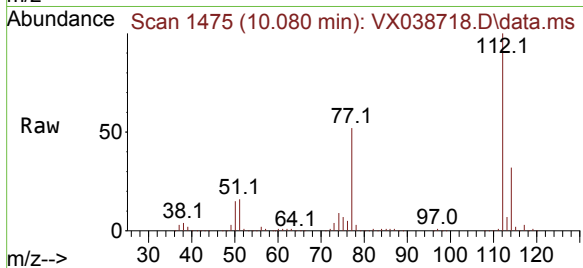
VSTDCCC050

Tgt Ion:112 Resp: 470180

Ion Ratio Lower Upper

112 100

114 31.9 25.7 38.5



#66

1,1,1,2-Tetrachloroethane

Concen: 52.868 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. -0.006 min

Lab File: VX038718.D

Acq: 10 Nov 2023 10:35

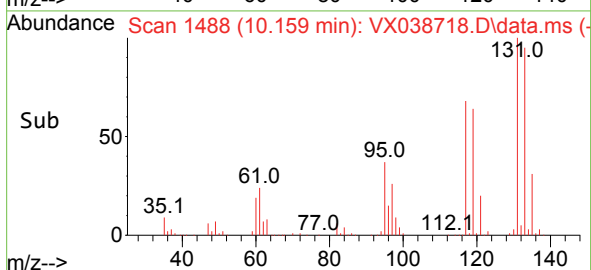
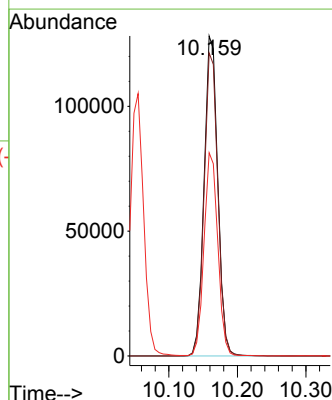
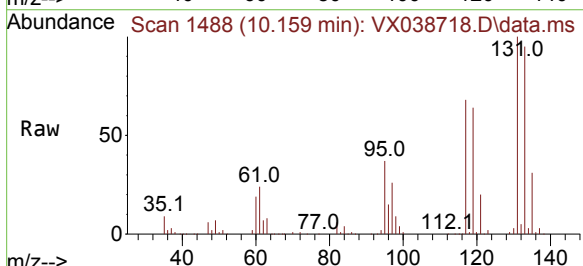
Tgt Ion:131 Resp: 178666

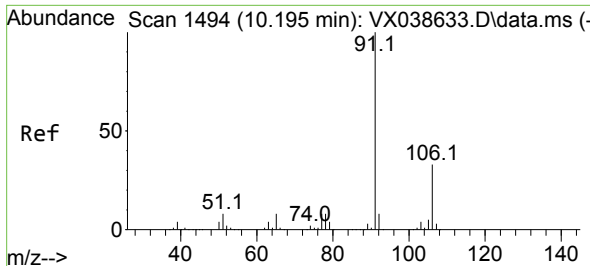
Ion Ratio Lower Upper

131 100

133 95.1 47.1 141.4

119 64.1 32.2 96.6

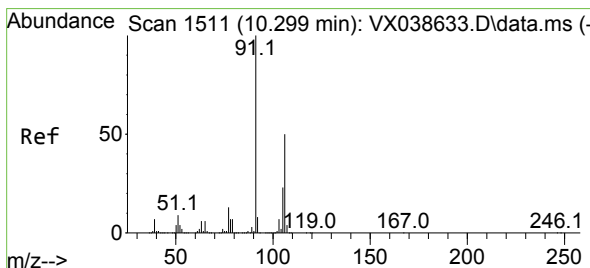
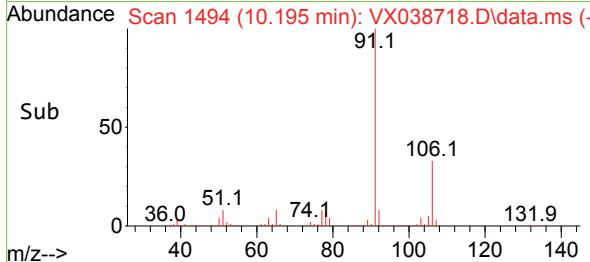
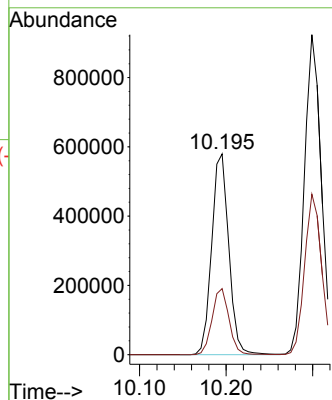
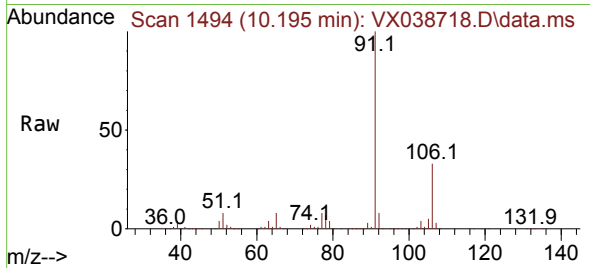




#67  
Ethyl Benzene  
Concen: 52.271 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.000 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

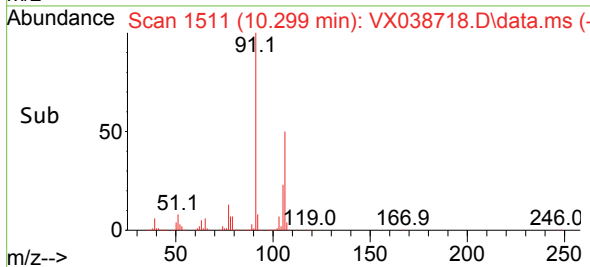
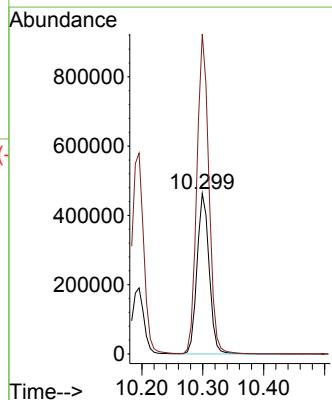
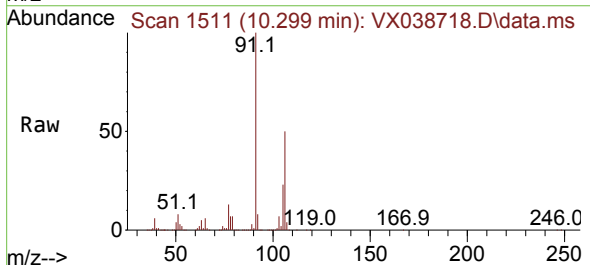
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

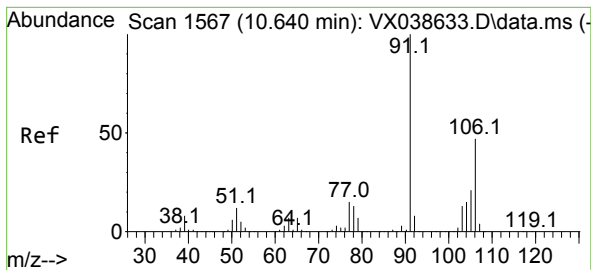
Tgt Ion: 91 Resp: 794853  
Ion Ratio Lower Upper  
91 100  
106 32.9 24.9 37.3



#68  
m/p-Xylenes  
Concen: 105.848 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. 0.000 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

Tgt Ion: 106 Resp: 638810  
Ion Ratio Lower Upper  
106 100  
91 198.1 165.5 248.3





#69

o-Xylene

Concen: 52.728 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX038718.D

Acq: 10 Nov 2023 10:35

Instrument :

MSVOA\_X

ClientSampleId :

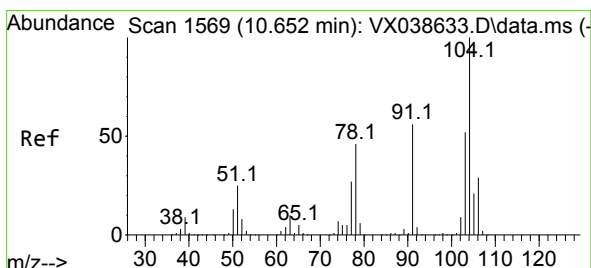
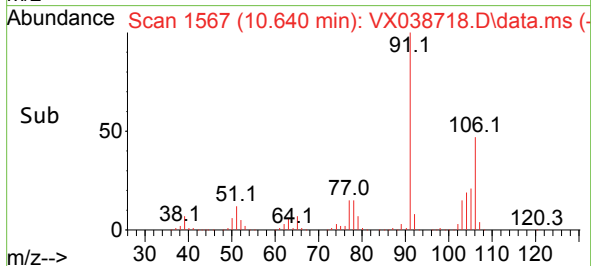
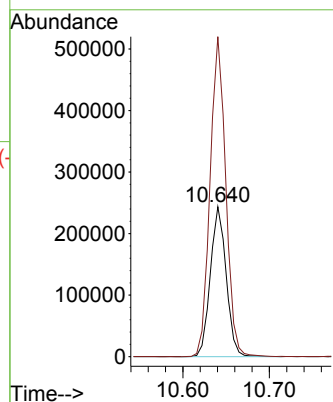
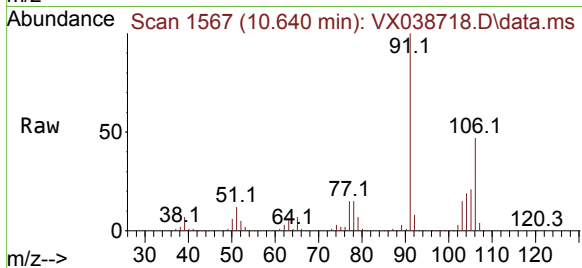
VSTDCCC050

Tgt Ion:106 Resp: 309461

Ion Ratio Lower Upper

106 100

91 211.3 108.9 326.8



#70

Styrene

Concen: 53.592 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX038718.D

Acq: 10 Nov 2023 10:35

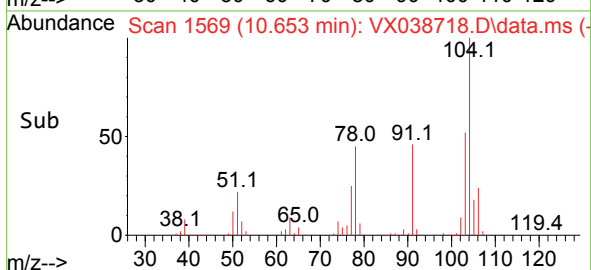
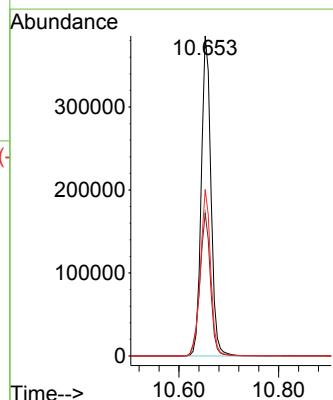
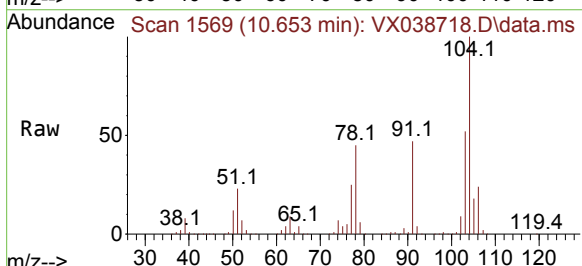
Tgt Ion:104 Resp: 519104

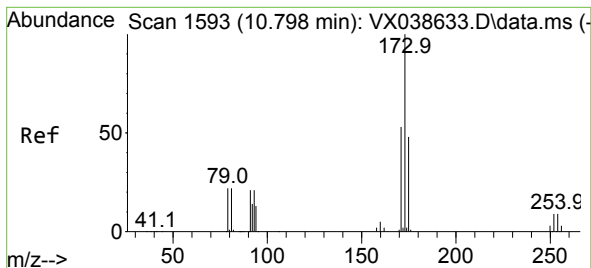
Ion Ratio Lower Upper

104 100

78 48.6 43.6 65.4

103 55.4 43.6 65.4





#71

Bromoform

Concen: 53.135 ug/l

RT: 10.799 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX038718.D

Acq: 10 Nov 2023 10:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

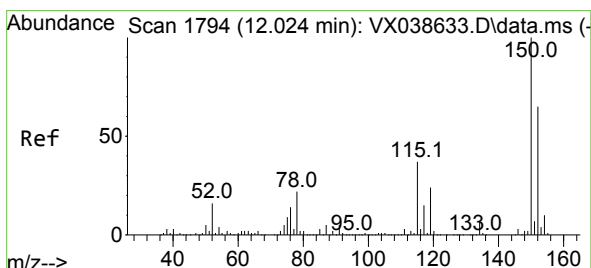
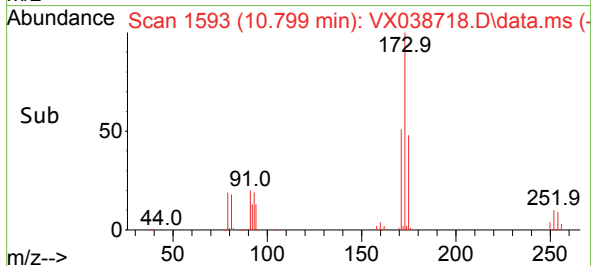
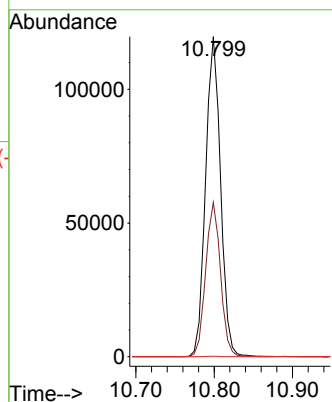
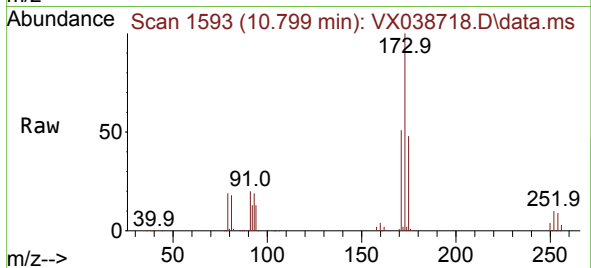
Tgt Ion:173 Resp: 158494

Ion Ratio Lower Upper

173 100

175 47.8 24.1 72.4

254 0.1 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX038718.D

Acq: 10 Nov 2023 10:35

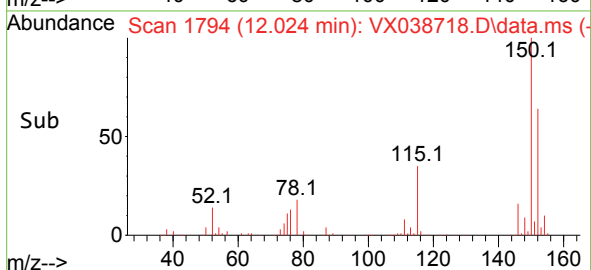
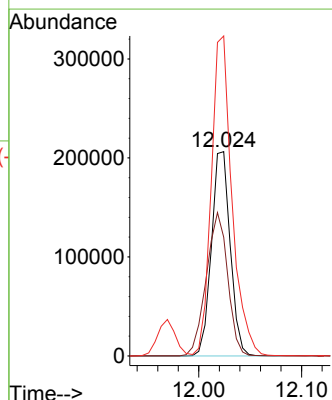
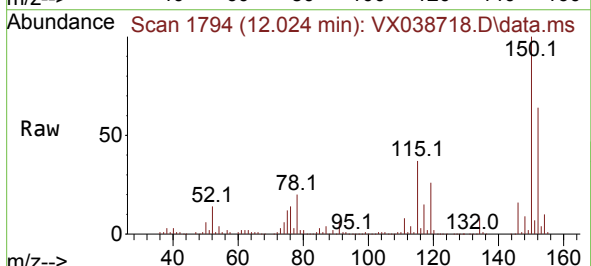
Tgt Ion:152 Resp: 261950

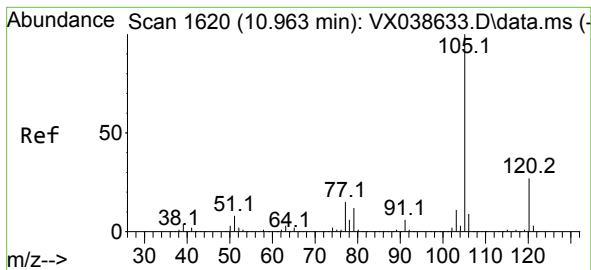
Ion Ratio Lower Upper

152 100

115 80.1 43.3 129.9

150 172.2 0.0 345.0





#73

Isopropylbenzene

Concen: 50.930 ug/l

RT: 10.964 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX038718.D

Acq: 10 Nov 2023 10:35

Instrument :

MSVOA\_X

ClientSampleId :

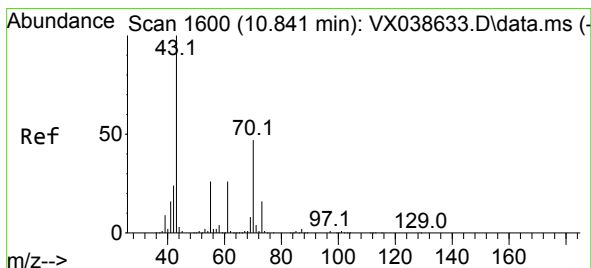
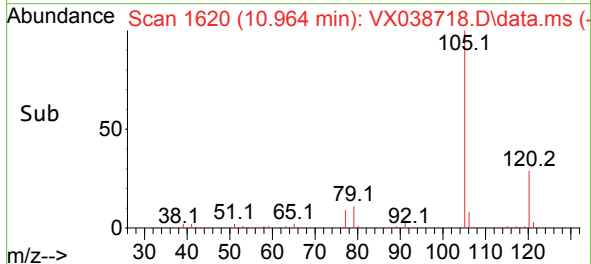
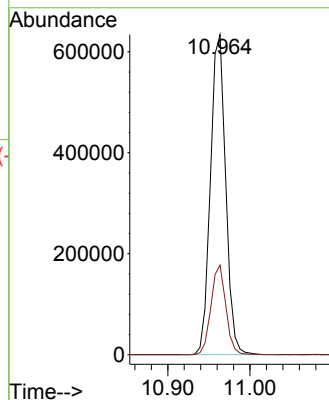
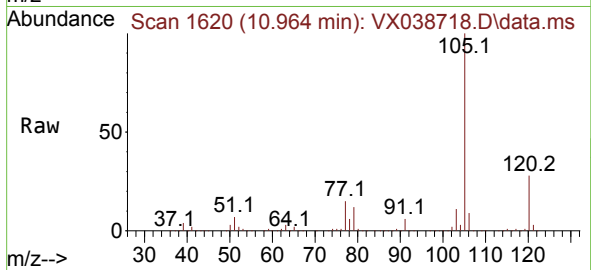
VSTDCCC050

Tgt Ion:105 Resp: 818478

Ion Ratio Lower Upper

105 100

120 27.3 12.9 38.6



#74

N-ethyl acetate

Concen: 49.608 ug/l

RT: 10.842 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VX038718.D

Acq: 10 Nov 2023 10:35

Tgt Ion: 43 Resp: 277001

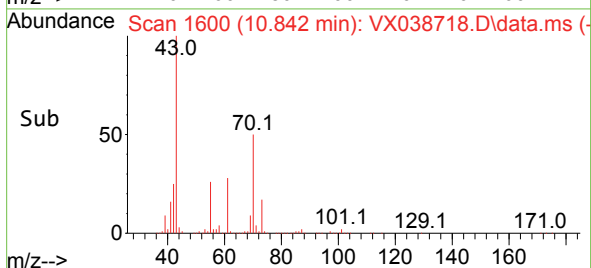
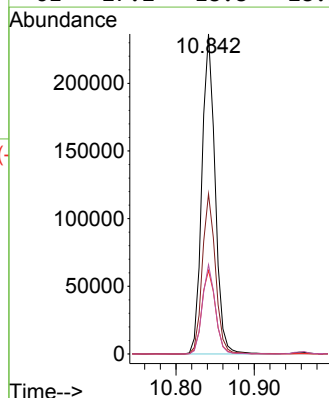
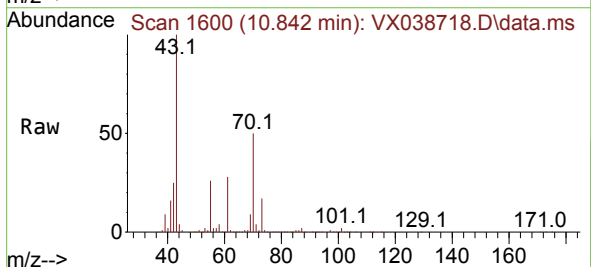
Ion Ratio Lower Upper

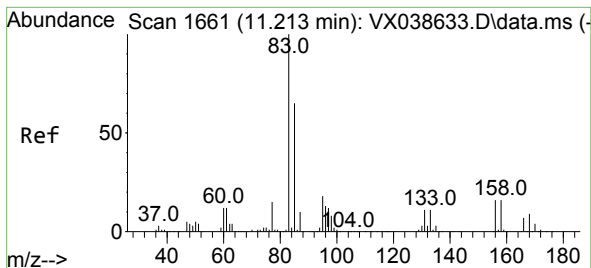
43 100

70 49.9 32.9 49.3#

55 27.1 19.3 28.9

61 27.2 18.8 28.2





#75

1,1,2,2-Tetrachloroethane

Concen: 49.324 ug/l

RT: 11.213 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX038718.D

Acq: 10 Nov 2023 10:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

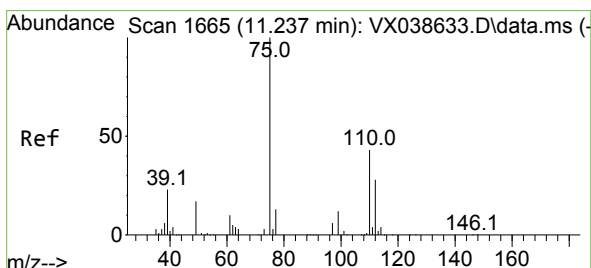
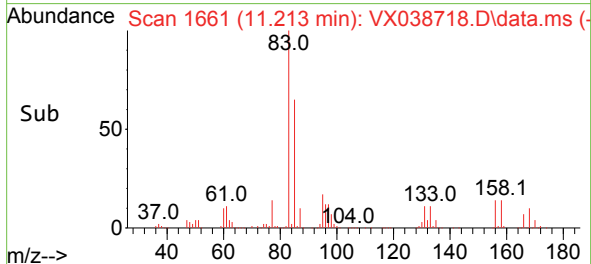
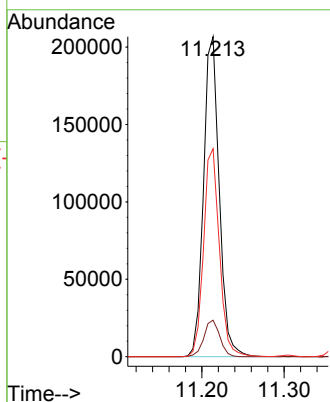
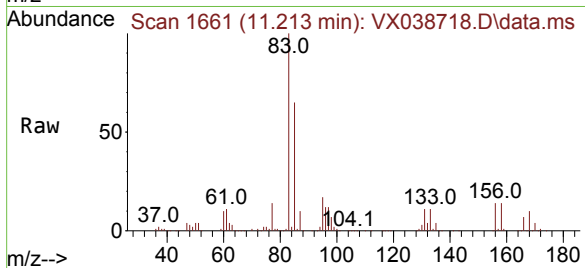
Tgt Ion: 83 Resp: 274033

Ion Ratio Lower Upper

83 100

131 11.6 5.3 15.8

85 65.5 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 58.553 ug/l

RT: 11.238 min Scan# 1665

Delta R.T. 0.000 min

Lab File: VX038718.D

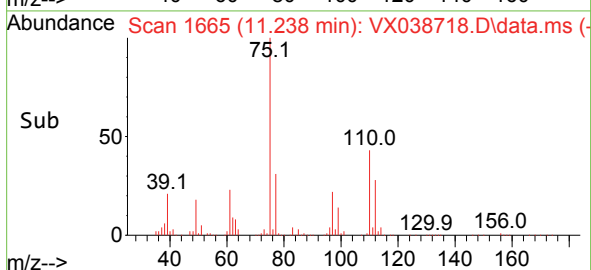
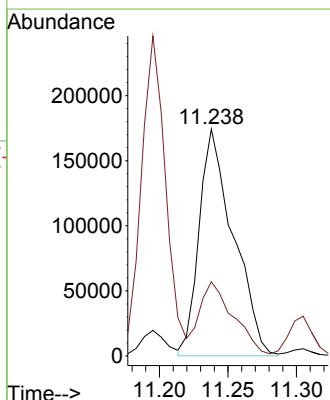
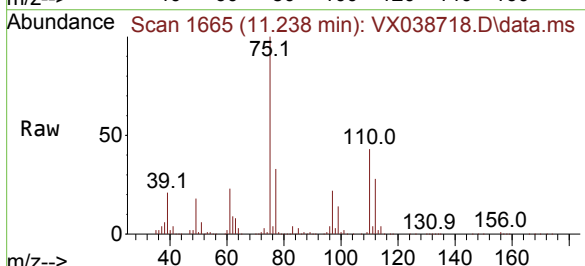
Acq: 10 Nov 2023 10:35

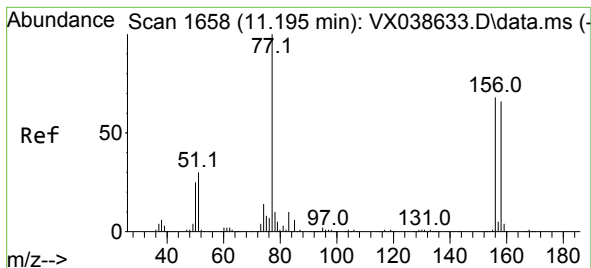
Tgt Ion: 75 Resp: 303766

Ion Ratio Lower Upper

75 100

77 32.5 19.1 57.5





#77

Bromobenzene

Concen: 50.131 ug/l

RT: 11.195 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX038718.D

Acq: 10 Nov 2023 10:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

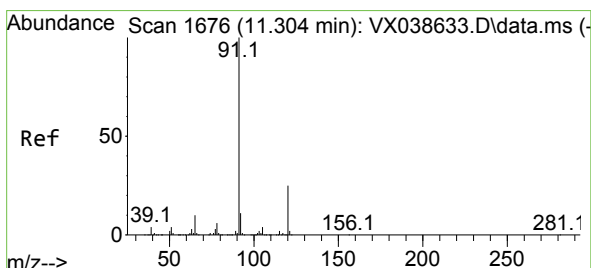
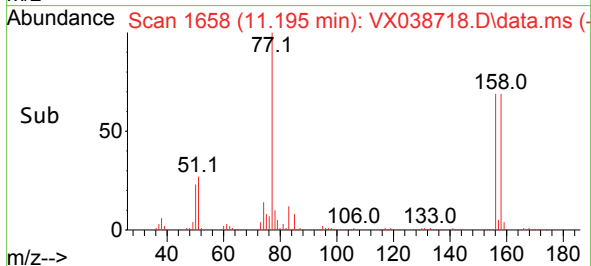
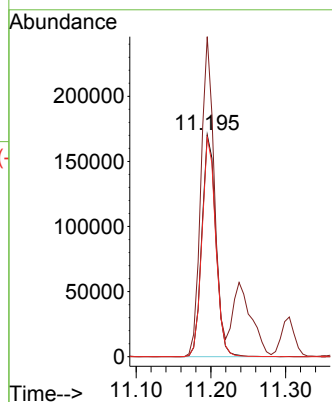
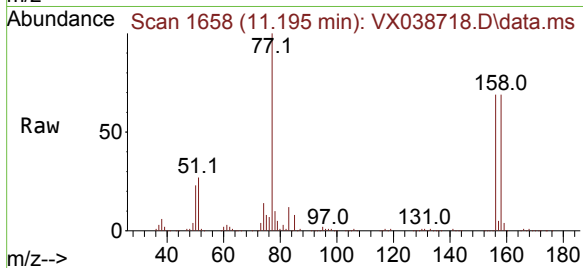
Tgt Ion:156 Resp: 221103

Ion Ratio Lower Upper

156 100

77 138.0 88.4 265.3

158 97.9 48.0 144.0



#78

n-propylbenzene

Concen: 50.999 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX038718.D

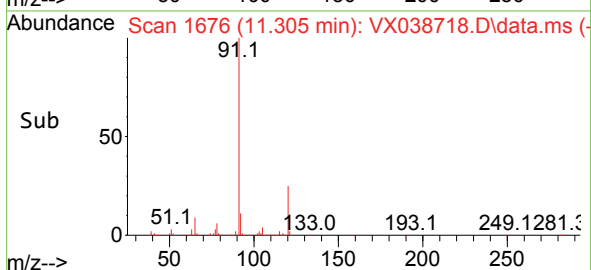
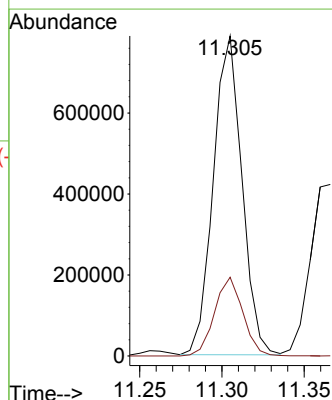
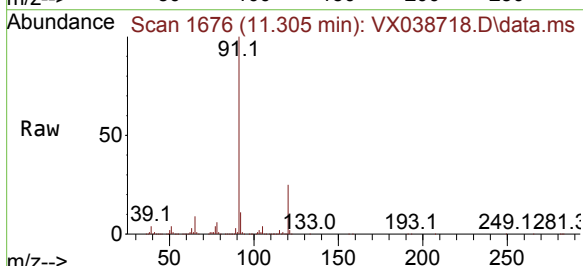
Acq: 10 Nov 2023 10:35

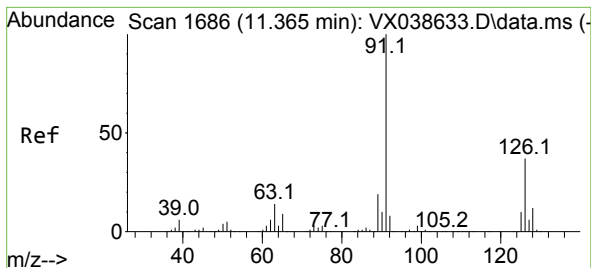
Tgt Ion: 91 Resp: 953732

Ion Ratio Lower Upper

91 100

120 24.5 11.5 34.4





#79

2-Chlorotoluene

Concen: 50.371 ug/l

RT: 11.366 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX038718.D

Acq: 10 Nov 2023 10:35

Instrument :

MSVOA\_X

ClientSampleId :

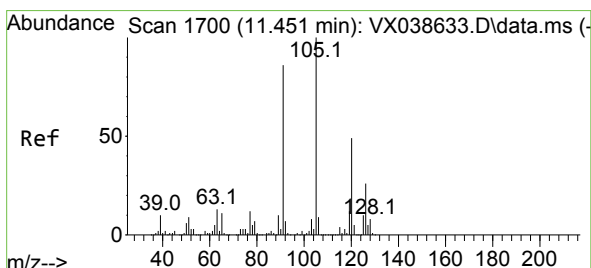
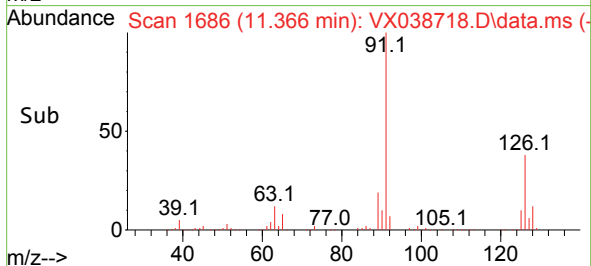
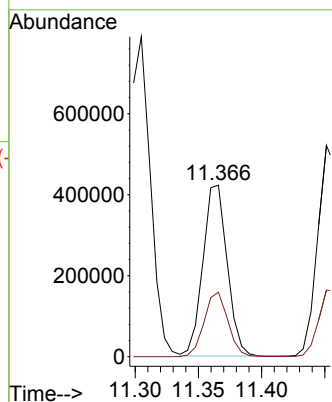
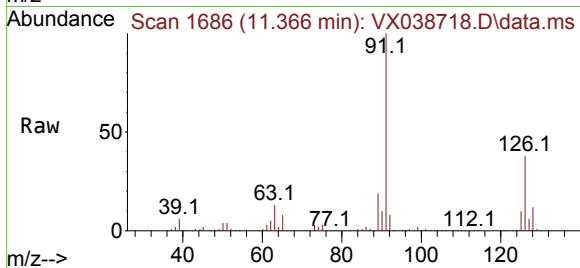
VSTDCCC050

Tgt Ion: 91 Resp: 563972

Ion Ratio Lower Upper

91 100

126 36.9 16.3 48.8



#80

1,3,5-Trimethylbenzene

Concen: 51.609 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX038718.D

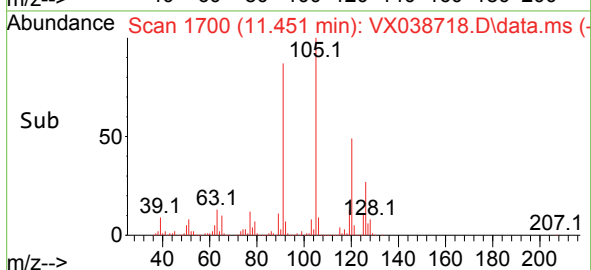
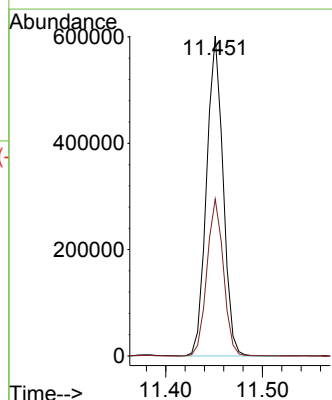
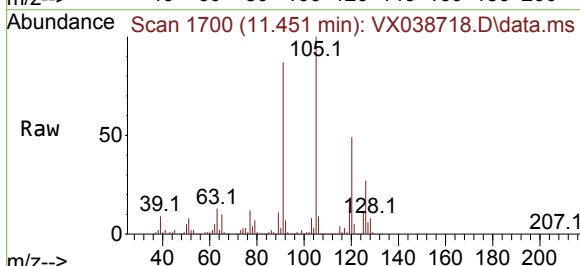
Acq: 10 Nov 2023 10:35

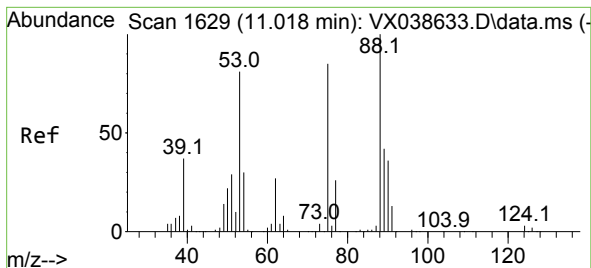
Tgt Ion: 105 Resp: 713806

Ion Ratio Lower Upper

105 100

120 49.0 24.1 72.3

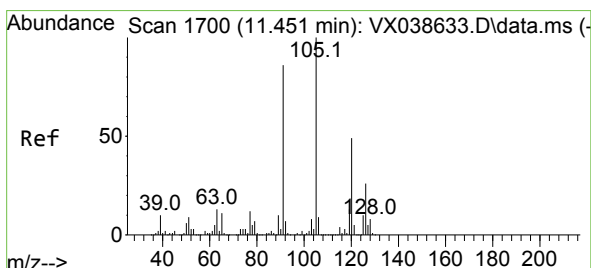
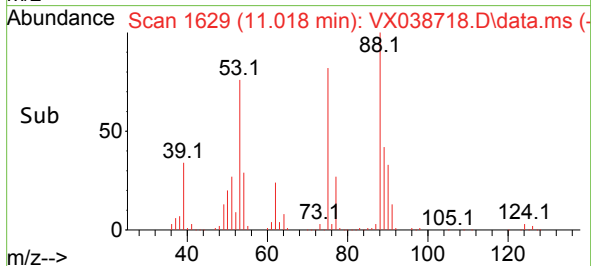
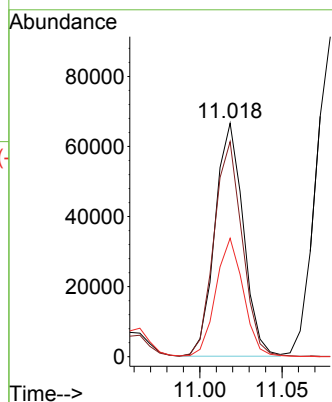
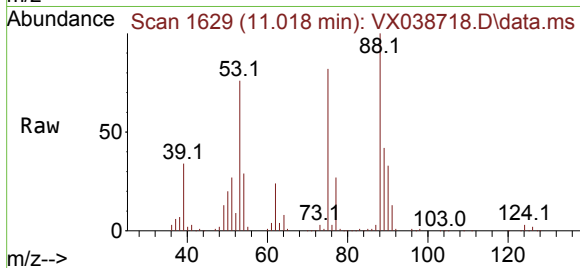




#81  
trans-1,4-Dichloro-2-butene  
Concen: 48.368 ug/l  
RT: 11.018 min Scan# 1100  
Delta R.T. 0.000 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

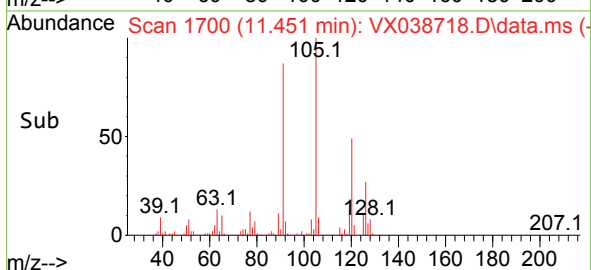
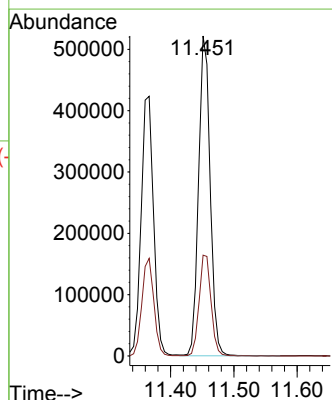
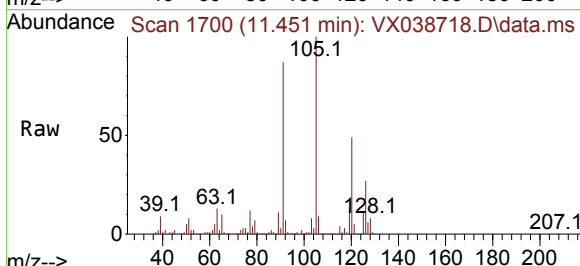
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

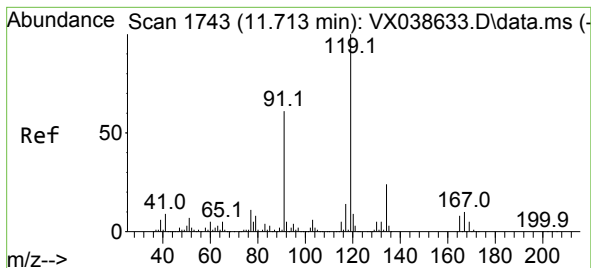
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 79927 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 91.9  | 90.5  | 135.7 |
| 89       | 49.5  | 36.9  | 55.3  |



#82  
4-Chlorotoluene  
Concen: 50.930 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. 0.000 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 666161 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 32.5  | 14.2  | 42.6   |





#83

tert-Butylbenzene

Concen: 51.261 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX038718.D

Acq: 10 Nov 2023 10:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

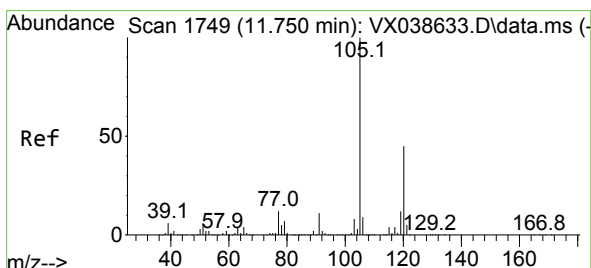
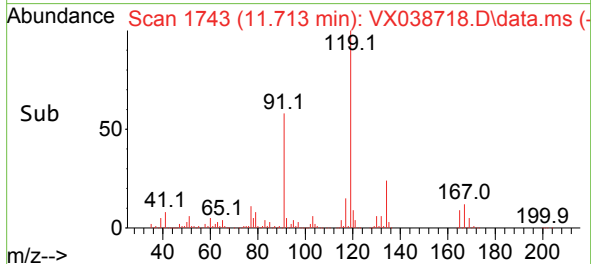
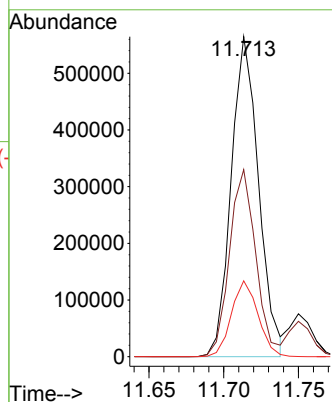
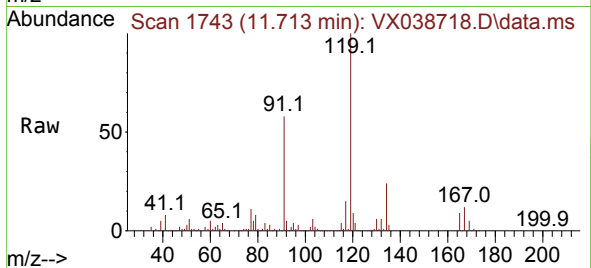
Tgt Ion:119 Resp: 718418

Ion Ratio Lower Upper

119 100

91 56.4 31.2 93.6

134 23.1 11.7 35.0



#84

1,2,4-Trimethylbenzene

Concen: 52.460 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX038718.D

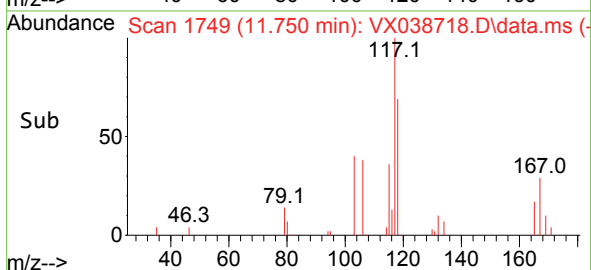
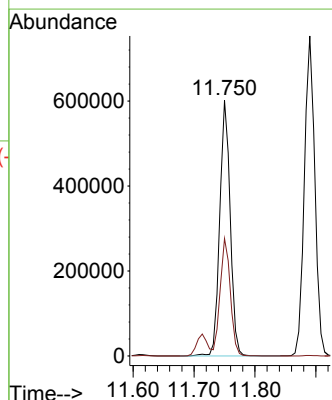
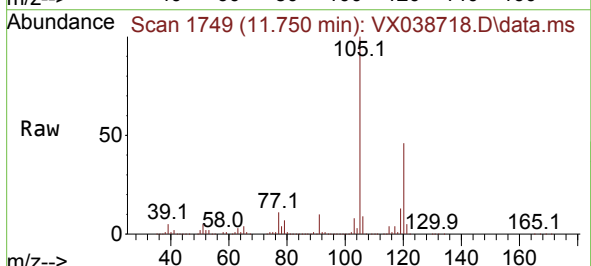
Acq: 10 Nov 2023 10:35

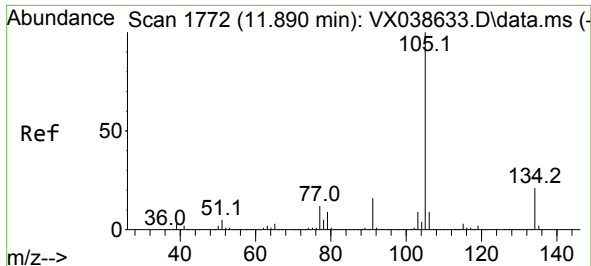
Tgt Ion:105 Resp: 719651

Ion Ratio Lower Upper

105 100

120 44.7 21.2 63.6

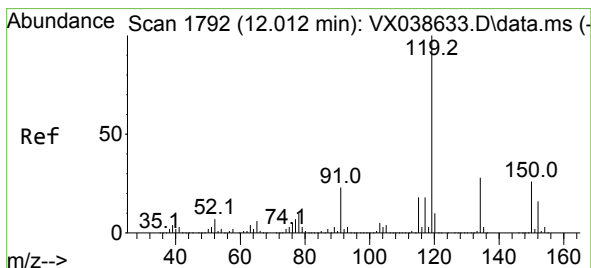
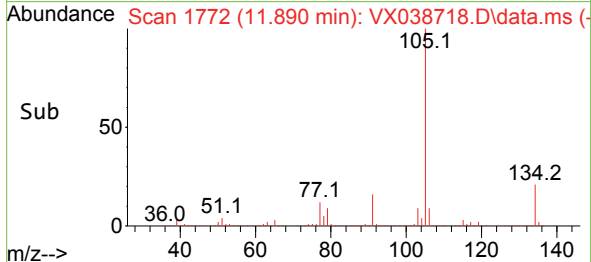
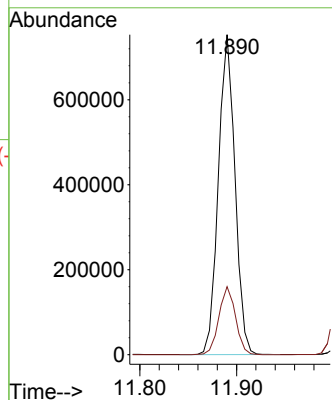
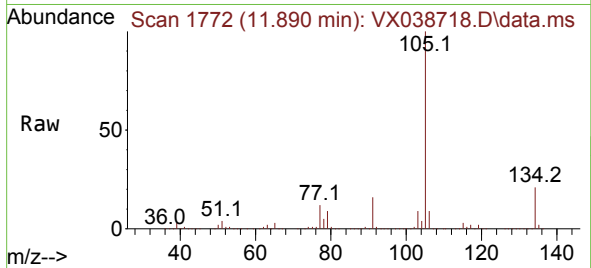




#85  
 sec-Butylbenzene  
 Concen: 51.264 ug/l  
 RT: 11.890 min Scan# 1772  
 Delta R.T. 0.000 min  
 Lab File: VX038718.D  
 Acq: 10 Nov 2023 10:35

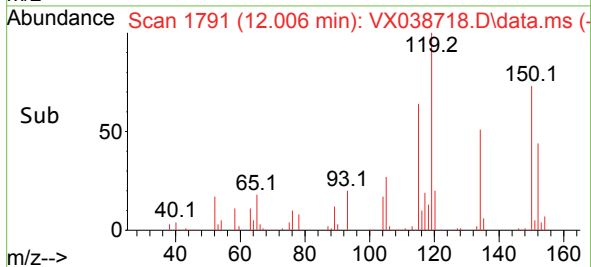
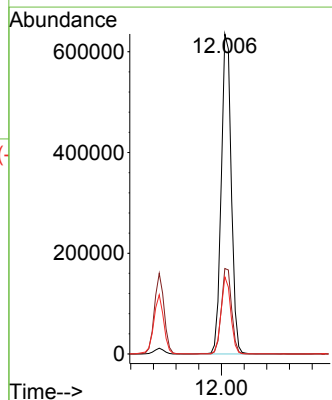
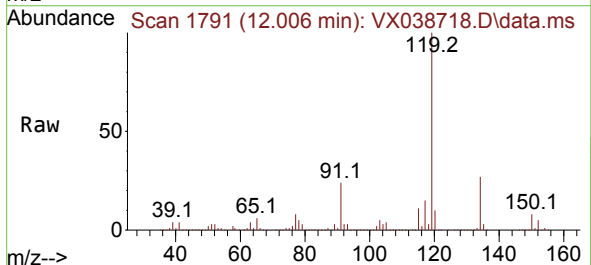
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Tgt Ion:105 Resp: 896481  
 Ion Ratio Lower Upper  
 105 100  
 134 21.3 9.8 29.4



#86  
 p-Isopropyltoluene  
 Concen: 52.496 ug/l  
 RT: 12.006 min Scan# 1791  
 Delta R.T. -0.006 min  
 Lab File: VX038718.D  
 Acq: 10 Nov 2023 10:35

Tgt Ion:119 Resp: 782037  
 Ion Ratio Lower Upper  
 119 100  
 134 27.2 12.8 38.3  
 91 23.3 13.1 39.3

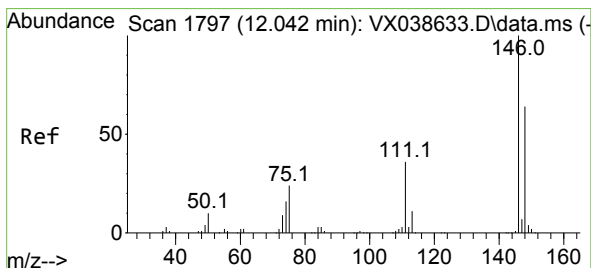
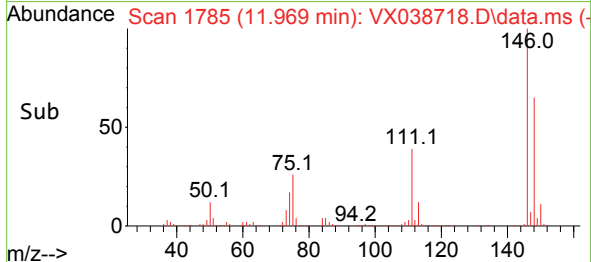
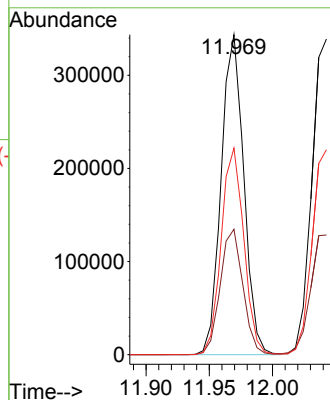
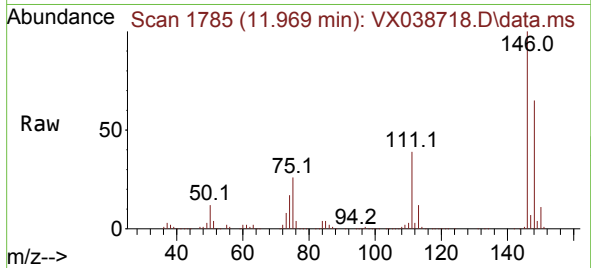




#87  
1,3-Dichlorobenzene  
Concen: 50.589 ug/l  
RT: 11.969 min Scan# 1785  
Delta R.T. 0.000 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

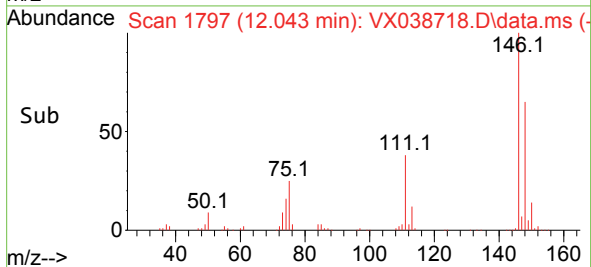
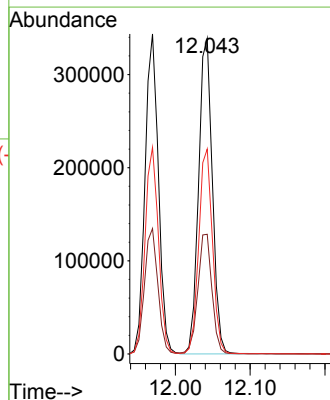
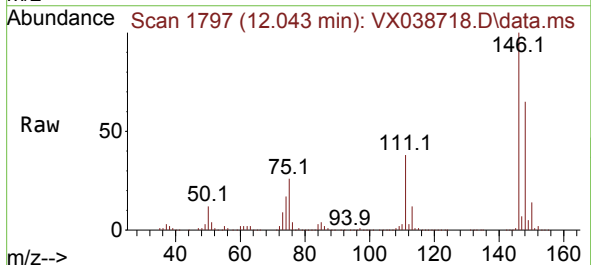
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

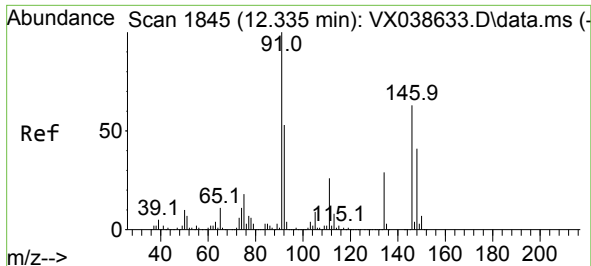
Tgt Ion:146 Resp: 426587  
Ion Ratio Lower Upper  
146 100  
111 39.4 22.1 66.1  
148 64.6 31.8 95.3



#88  
1,4-Dichlorobenzene  
Concen: 49.930 ug/l  
RT: 12.043 min Scan# 1797  
Delta R.T. 0.000 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

Tgt Ion:146 Resp: 432764  
Ion Ratio Lower Upper  
146 100  
111 38.9 21.3 63.7  
148 64.5 31.8 95.4

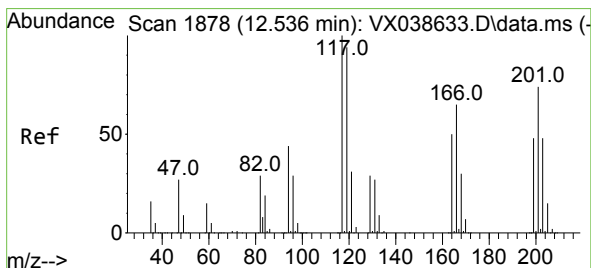
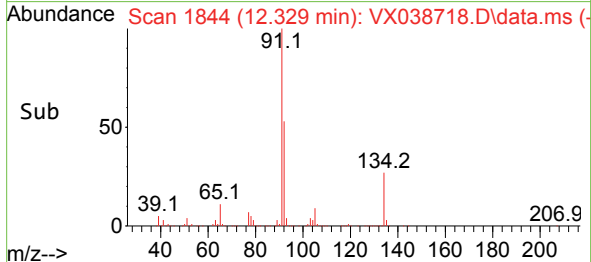
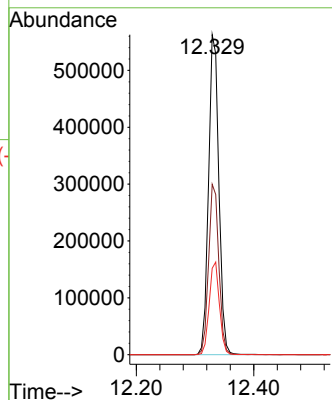
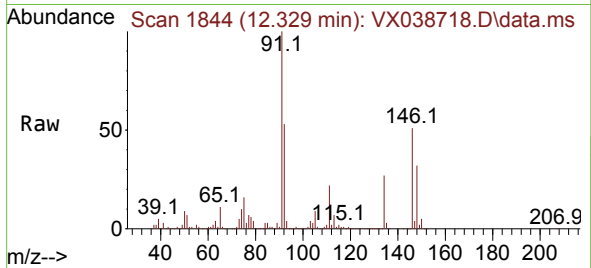




#89  
n-Butylbenzene  
Concen: 51.709 ug/l  
RT: 12.329 min Scan# 1844  
Delta R.T. -0.006 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

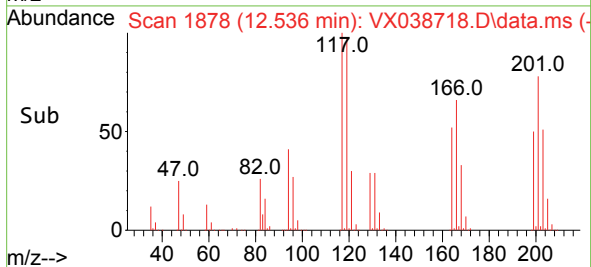
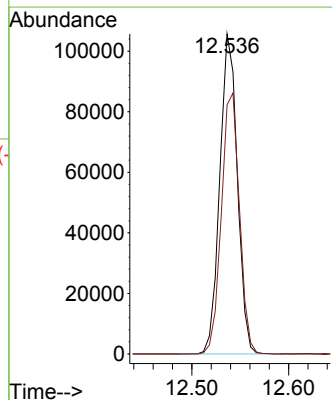
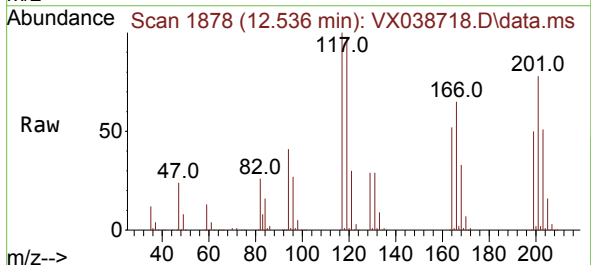
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

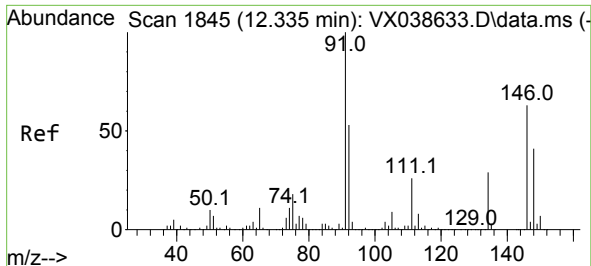
Tgt Ion: 91 Resp: 685491  
Ion Ratio Lower Upper  
91 100  
92 53.1 27.4 82.0  
134 28.7 12.6 37.8



#90  
Hexachloroethane  
Concen: 52.665 ug/l  
RT: 12.536 min Scan# 1878  
Delta R.T. 0.000 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

Tgt Ion: 117 Resp: 132894  
Ion Ratio Lower Upper  
117 100  
201 83.9 32.9 98.6

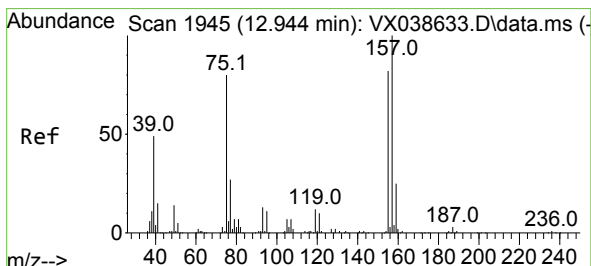
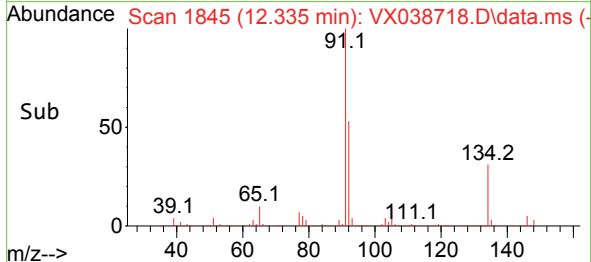
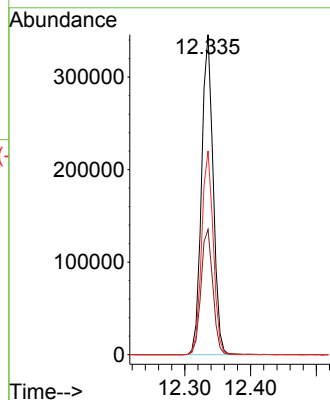
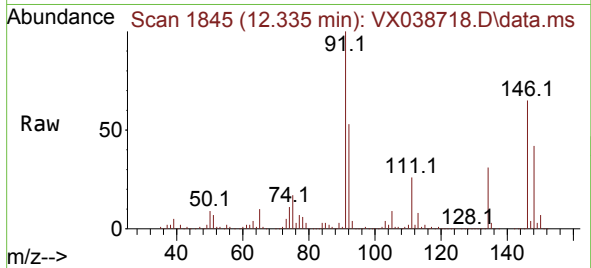




#91  
1,2-Dichlorobenzene  
Concen: 51.461 ug/l  
RT: 12.335 min Scan# 1845  
Delta R.T. 0.000 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

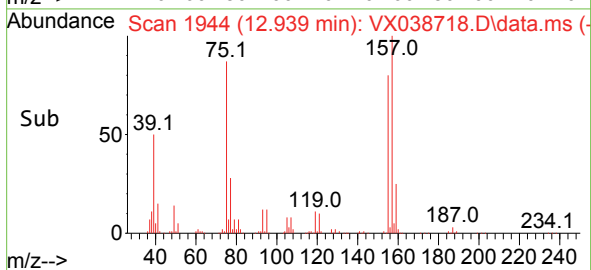
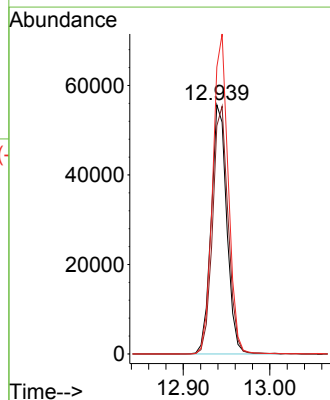
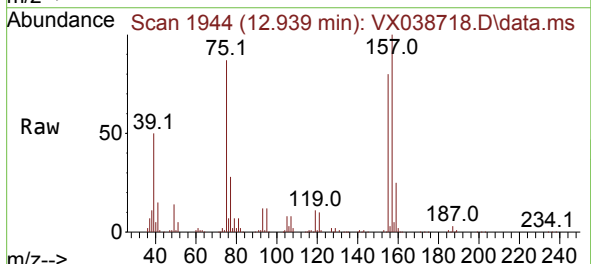
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

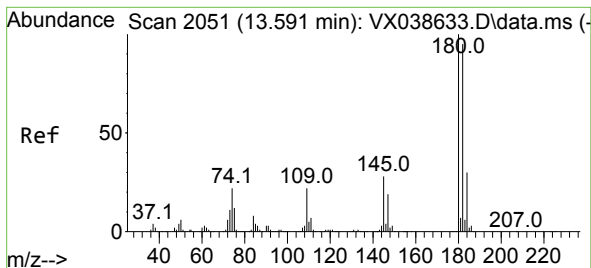
Tgt Ion:146 Resp: 423791  
Ion Ratio Lower Upper  
146 100  
111 40.0 22.4 67.0  
148 63.9 31.6 95.0



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 50.074 ug/l  
RT: 12.939 min Scan# 1944  
Delta R.T. -0.006 min  
Lab File: VX038718.D  
Acq: 10 Nov 2023 10:35

Tgt Ion: 75 Resp: 69920  
Ion Ratio Lower Upper  
75 100  
155 98.5 36.1 108.5  
157 127.2 44.9 134.7





#93

1,2,4-Trichlorobenzene

Concen: 52.830 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.006 min

Lab File: VX038718.D

Acq: 10 Nov 2023 10:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

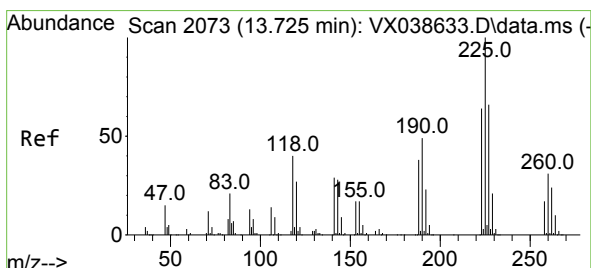
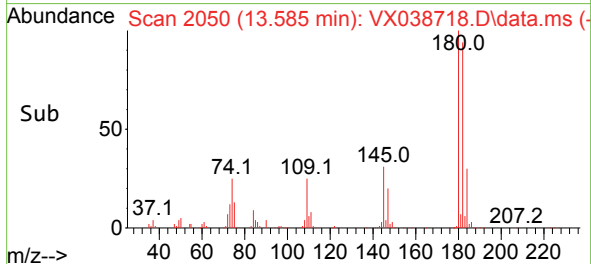
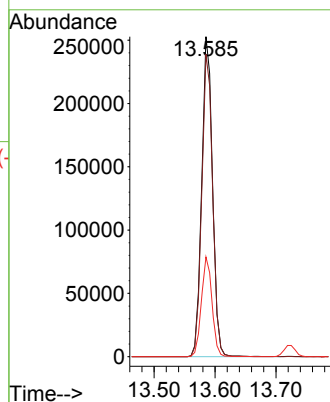
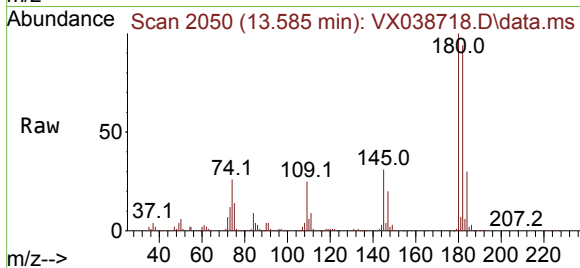
Tgt Ion:180 Resp: 311178

Ion Ratio Lower Upper

180 100

182 95.2 48.3 144.8

145 30.7 18.0 54.0



#94

Hexachlorobutadiene

Concen: 52.723 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX038718.D

Acq: 10 Nov 2023 10:35

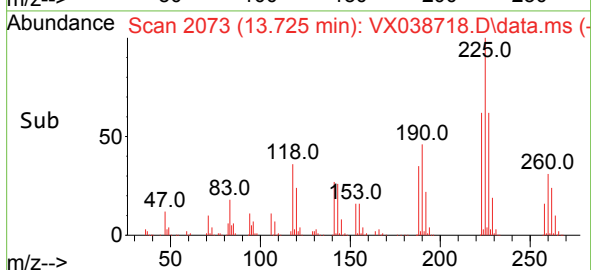
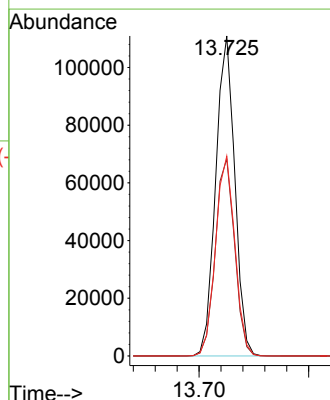
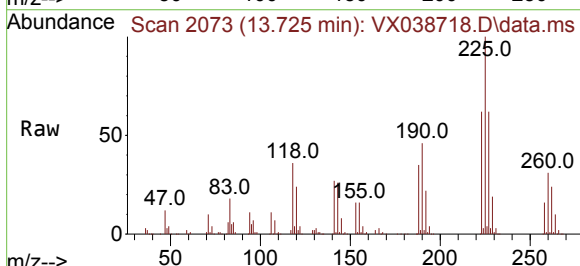
Tgt Ion:225 Resp: 134004

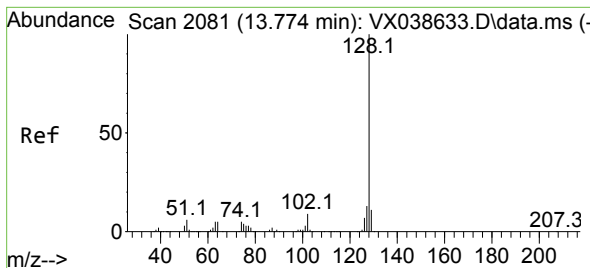
Ion Ratio Lower Upper

225 100

223 62.3 31.1 93.2

227 63.4 32.5 97.5





#95

Naphthalene

Concen: 52.453 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX038718.D

Acq: 10 Nov 2023 10:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

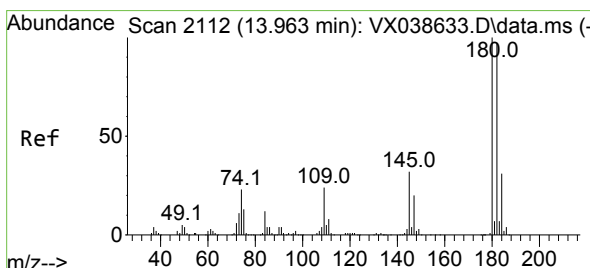
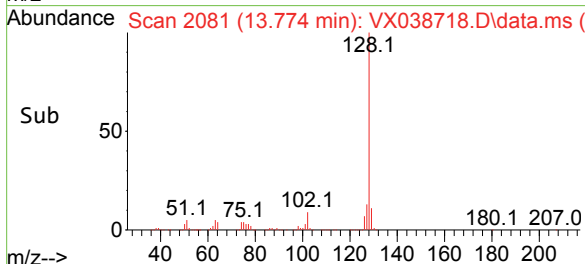
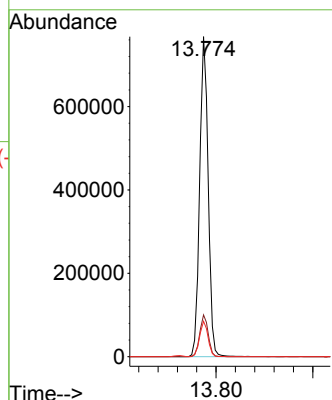
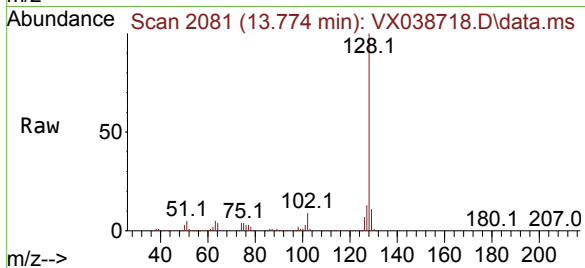
Tgt Ion:128 Resp: 931945

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

129 11.0 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 51.033 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX038718.D

Acq: 10 Nov 2023 10:35

Tgt Ion:180 Resp: 296284

Ion Ratio Lower Upper

180 100

182 96.1 46.9 140.6

145 33.2 17.8 53.5

