

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112023\  
 Data File : VX038972.D  
 Acq On : 20 Nov 2023 20:26  
 Operator : JC/MD  
 Sample : VSTDC0050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDC0050EC

Quant Time: Nov 21 00:26:58 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111623W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 16 22:59:22 2023  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 5.550  | 168   | 117623   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757  | 114   | 222152   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055 | 117   | 207327   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018 | 152   | 108235   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952  | 65    | 97732    | 51.565   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 78 - 117 | Recovery | =      | 103.140% |
| 35) Dibromofluoromethane     | 5.385  | 113   | 76562    | 47.719   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 95.440%  |
| 50) Toluene-d8               | 8.647  | 98    | 285511   | 46.510   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 92 - 112 | Recovery | =      | 93.020%  |
| 62) 4-Bromofluorobenzene     | 11.079 | 95    | 115513   | 47.007   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | =      | 94.020%  |
| Target Compounds             |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.166  | 85    | 69261    | 50.465   | ug/l   | 98       |
| 3) Chloromethane             | 1.294  | 50    | 75564    | 42.183   | ug/l   | 98       |
| 4) Vinyl Chloride            | 1.374  | 62    | 77570    | 44.954   | ug/l   | 98       |
| 5) Bromomethane              | 1.599  | 94    | 46331    | 64.941   | ug/l   | 100      |
| 6) Chloroethane              | 1.685  | 64    | 48189    | 48.937   | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 1.886  | 101   | 112578   | 51.414   | ug/l   | 98       |
| 8) Diethyl Ether             | 2.136  | 74    | 45536    | 47.747   | ug/l   | 94       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331  | 101   | 66187    | 45.580   | ug/l   | 95       |
| 10) Methyl Iodide            | 2.453  | 142   | 75169    | 42.531   | ug/l   | 93       |
| 11) Tert butyl alcohol       | 2.959  | 59    | 132660   | 251.657  | ug/l # | 92       |
| 12) 1,1-Dichloroethene       | 2.319  | 96    | 65531    | 44.700   | ug/l   | 92       |
| 13) Acrolein                 | 2.233  | 56    | 75898    | 272.140  | ug/l   | 100      |
| 14) Allyl chloride           | 2.660  | 41    | 139096   | 47.389   | ug/l   | 94       |
| 15) Acrylonitrile            | 3.062  | 53    | 270024   | 242.422  | ug/l   | 99       |
| 16) Acetone                  | 2.374  | 43    | 264447   | 262.101  | ug/l   | 92       |
| 17) Carbon Disulfide         | 2.508  | 76    | 178243   | 39.251   | ug/l   | 98       |
| 18) Methyl Acetate           | 2.703  | 43    | 254905   | 53.189   | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 3.111  | 73    | 256202   | 49.687   | ug/l   | 98       |
| 20) Methylene Chloride       | 2.788  | 84    | 82021    | 45.097   | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 3.093  | 96    | 72355    | 44.730   | ug/l   | 96       |
| 22) Diisopropyl ether        | 3.757  | 45    | 265645   | 49.334   | ug/l   | 90       |
| 23) Vinyl Acetate            | 3.721  | 43    | 937599   | 241.770  | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 3.611  | 63    | 143252   | 47.573   | ug/l   | 99       |
| 25) 2-Butanone               | 4.550  | 43    | 405417   | 247.787  | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 4.471  | 77    | 120404   | 46.097   | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 4.489  | 96    | 88068    | 46.707   | ug/l   | 96       |
| 28) Bromochloromethane       | 4.897  | 49    | 73019    | 50.507   | ug/l   | 99       |
| 29) Tetrahydrofuran          | 5.001  | 42    | 259411   | 249.707  | ug/l   | 98       |
| 30) Chloroform               | 5.093  | 83    | 146301   | 49.757   | ug/l   | 100      |
| 31) Cyclohexane              | 5.471  | 56    | 123823   | 45.758   | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 5.385  | 97    | 126332   | 49.605   | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.690  | 75    | 104840   | 45.592   | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.708  | 43    | 143757   | 47.984   | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.678  | 117   | 105523   | 49.651   | ug/l   | 96       |
| 39) Methylcyclohexane        | 7.379  | 83    | 128450   | 42.824   | ug/l   | 96       |
| 40) Benzene                  | 6.037  | 78    | 315629   | 46.407   | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112023\  
 Data File : VX038972.D  
 Acq On : 20 Nov 2023 20:26  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Nov 21 00:26:58 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111623W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 16 22:59:22 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.910  | 41   | 74232    | 47.773   | ug/l   | 92       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 116126   | 51.534   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.336  | 43   | 229862   | 48.009   | ug/l   | 99       |
| 44) Trichloroethene           | 7.123  | 130  | 80002    | 48.325   | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 86149    | 47.069   | ug/l   | 98       |
| 46) Dibromomethane            | 7.580  | 93   | 60567    | 49.622   | ug/l   | 97       |
| 47) Bromodichloromethane      | 7.818  | 83   | 118056   | 48.732   | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.690  | 41   | 109634   | 47.194   | ug/l   | 94       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 45607    | 1014.784 | ug/l # | 92       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 763303   | 249.465  | ug/l   | 100      |
| 52) Toluene                   | 8.720  | 92   | 195731   | 46.376   | ug/l   | 94       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 133248   | 46.285   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 139244   | 46.825   | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 84701    | 48.097   | ug/l   | 95       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 141916   | 47.629   | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 140517   | 48.246   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 328948   | 236.987  | ug/l   | 95       |
| 59) 2-Hexanone                | 9.427  | 43   | 608605   | 248.159  | ug/l   | 98       |
| 60) Dibromochloromethane      | 9.519  | 129  | 88156    | 49.232   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 88408    | 47.841   | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.275  | 164  | 61560    | 47.769   | ug/l   | 97       |
| 65) Chlorobenzene             | 10.079 | 112  | 209954   | 47.011   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 76587    | 47.673   | ug/l   | 96       |
| 67) Ethyl Benzene             | 10.195 | 91   | 388978   | 47.406   | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 293763   | 94.644   | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 144206   | 46.953   | ug/l   | 100      |
| 70) Styrene                   | 10.653 | 104  | 245916   | 47.411   | ug/l   | 99       |
| 71) Bromoform                 | 10.799 | 173  | 65264    | 48.731   | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.963 | 105  | 378693   | 44.906   | ug/l   | 99       |
| 74) N-amyl acetate            | 10.842 | 43   | 198390   | 44.503   | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 145108   | 44.080   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 171113   | 63.365   | ug/l   | 89       |
| 77) Bromobenzene              | 11.195 | 156  | 86134    | 45.456   | ug/l   | 98       |
| 78) n-propylbenzene           | 11.305 | 91   | 468049   | 45.091   | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 272426   | 44.223   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 328429   | 46.319   | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 49152    | 40.373   | ug/l   | 85       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 320065   | 45.060   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.713 | 119  | 318839   | 45.657   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 328248   | 45.737   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 415238   | 45.458   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 332376   | 45.328   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 169368   | 45.644   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 172750   | 45.487   | ug/l   | 100      |
| 89) n-Butylbenzene            | 12.329 | 91   | 324027   | 43.798   | ug/l   | 98       |
| 90) Hexachloroethane          | 12.536 | 117  | 65180    | 44.512   | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 165032   | 46.892   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 37436    | 46.416   | ug/l   | 92       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 106233   | 45.044   | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 36679    | 43.917   | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 393246   | 44.770   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 102717   | 45.945   | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112023\  
Data File : VX038972.D  
Acq On : 20 Nov 2023 20:26  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Quant Time: Nov 21 00:26:58 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111623W.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 16 22:59:22 2023  
Response via : Initial Calibration

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

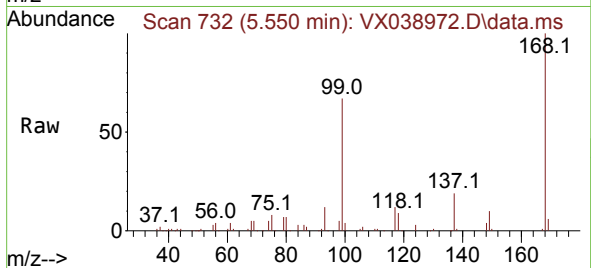
(#) = qualifier out of range (m) = manual integration (+) = signals summed



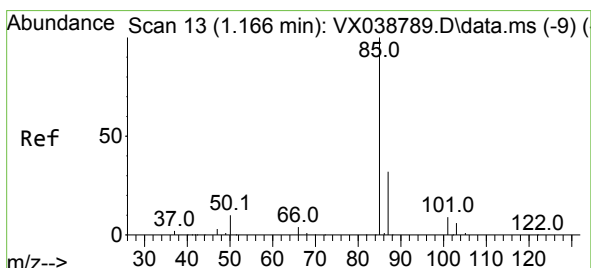
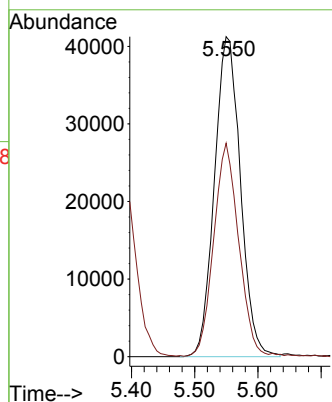
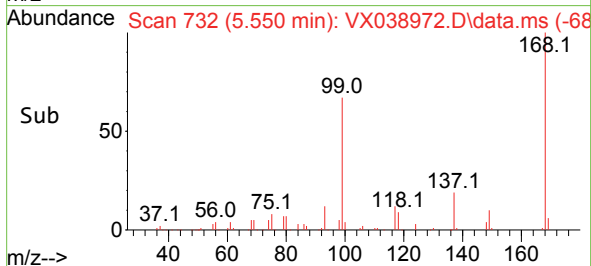


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

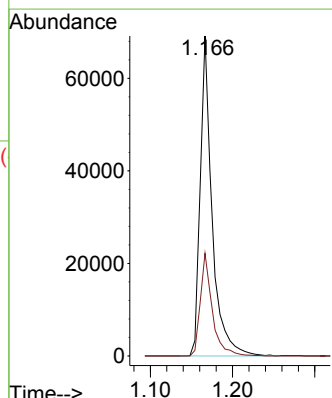
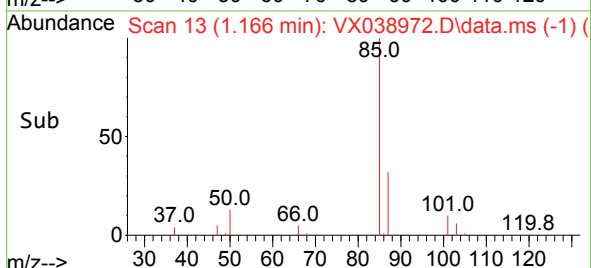
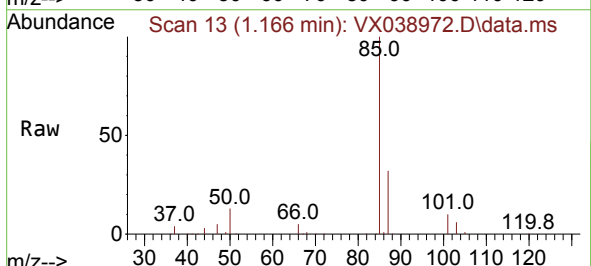


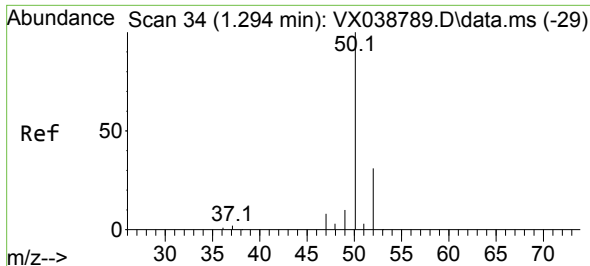
Tgt Ion:168 Resp: 117623  
Ion Ratio Lower Upper  
168 100  
99 66.4 56.6 85.0



#2  
Dichlorodifluoromethane  
Concen: 50.465 ug/l  
RT: 1.166 min Scan# 13  
Delta R.T. 0.000 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

Tgt Ion: 85 Resp: 69261  
Ion Ratio Lower Upper  
85 100  
87 32.1 16.7 50.1

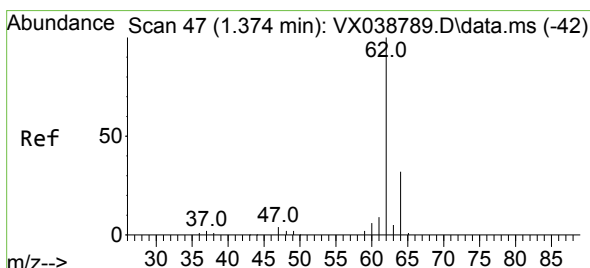
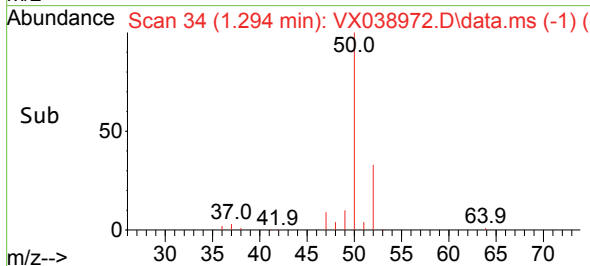
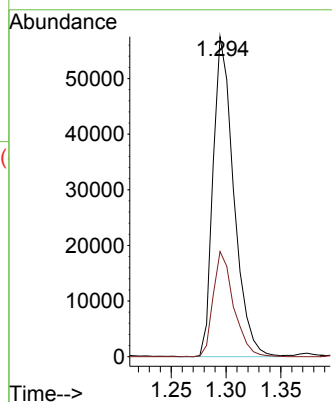
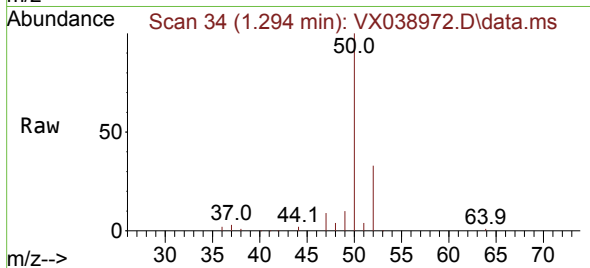




#3  
Chloromethane  
Concen: 42.183 ug/l  
RT: 1.294 min Scan# 34  
Delta R.T. 0.000 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

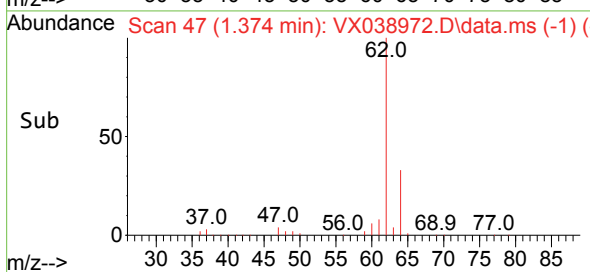
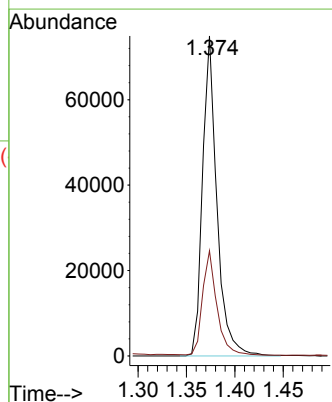
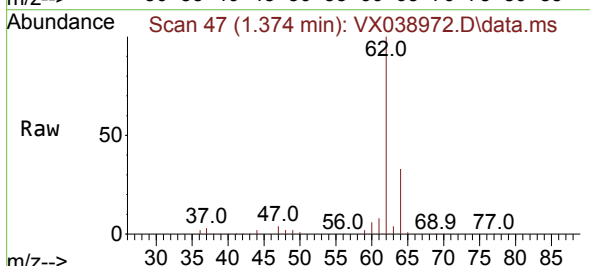
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

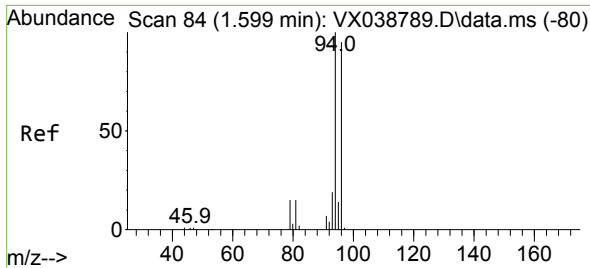
Tgt Ion: 50 Resp: 75564  
Ion Ratio Lower Upper  
50 100  
52 32.9 25.5 38.3



#4  
Vinyl Chloride  
Concen: 44.954 ug/l  
RT: 1.374 min Scan# 47  
Delta R.T. -0.000 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

Tgt Ion: 62 Resp: 77570  
Ion Ratio Lower Upper  
62 100  
64 32.6 25.4 38.0

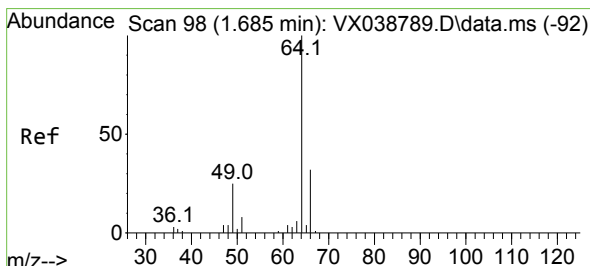
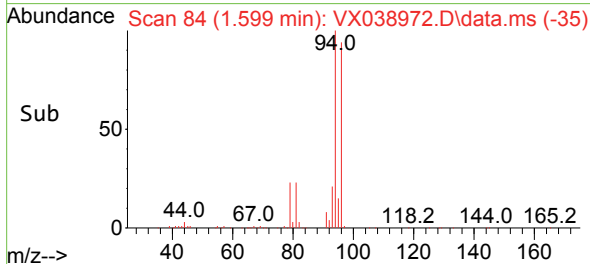
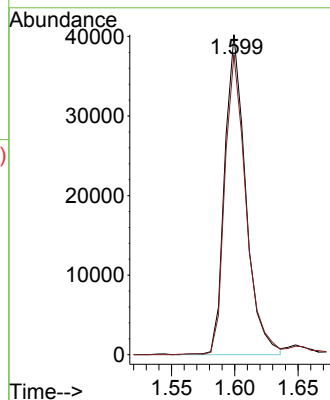
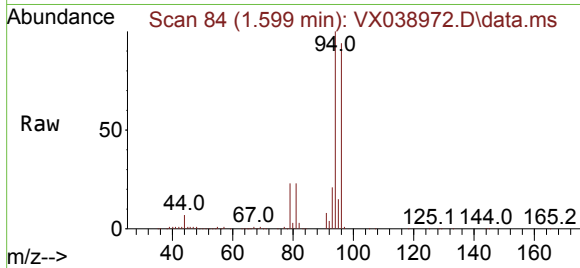




#5  
Bromomethane  
Concen: 64.941 ug/l  
RT: 1.599 min Scan# 84  
Delta R.T. 0.000 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

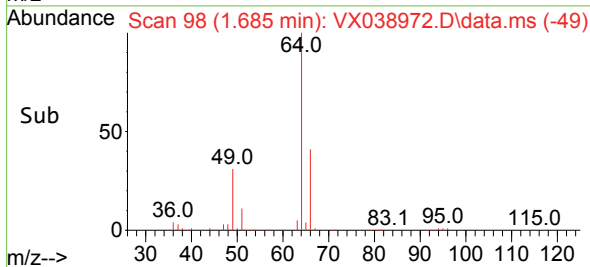
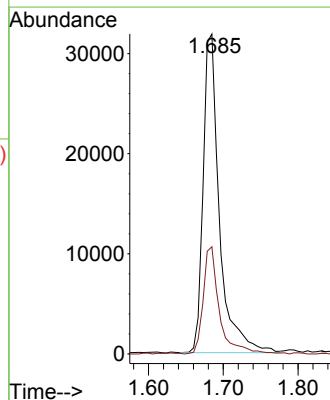
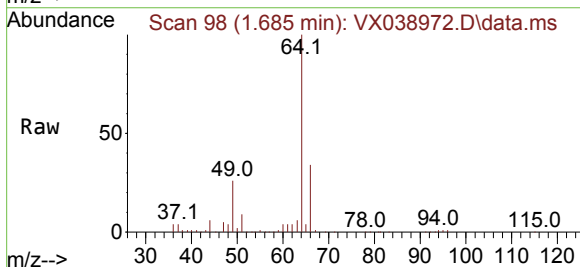
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

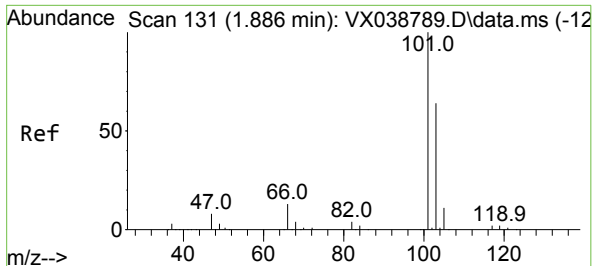
Tgt Ion: 94 Resp: 46331  
Ion Ratio Lower Upper  
94 100  
96 93.6 74.6 111.8



#6  
Chloroethane  
Concen: 48.937 ug/l  
RT: 1.685 min Scan# 98  
Delta R.T. -0.000 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

Tgt Ion: 64 Resp: 48189  
Ion Ratio Lower Upper  
64 100  
66 33.5 25.1 37.7

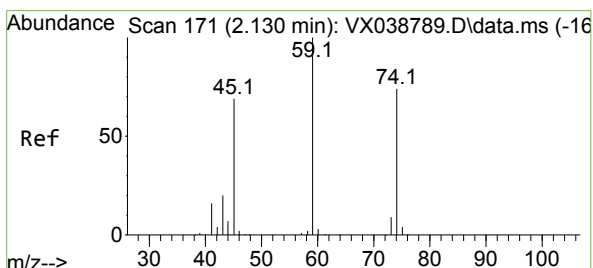
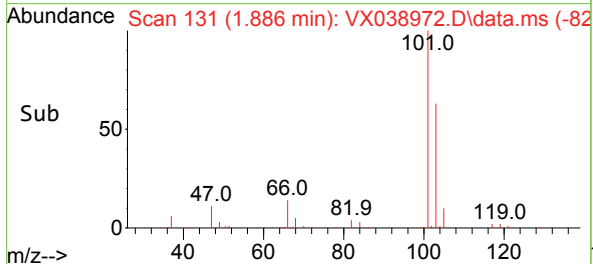
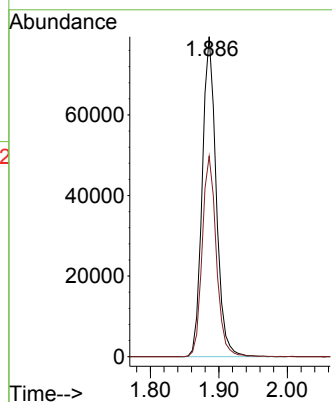
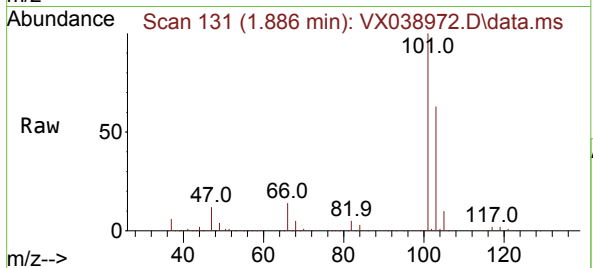




#7  
Trichlorofluoromethane  
Concen: 51.414 ug/l  
RT: 1.886 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

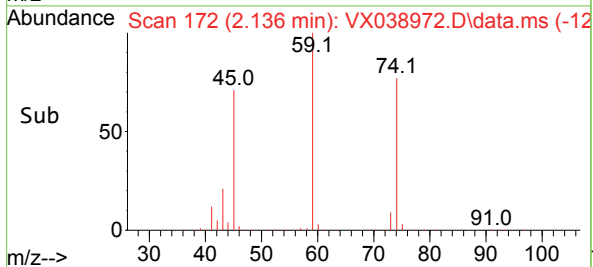
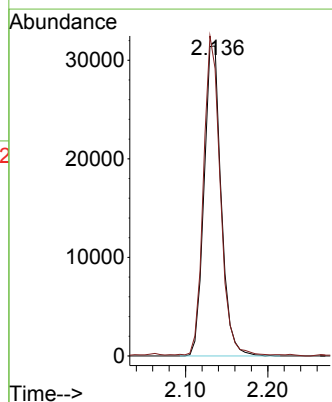
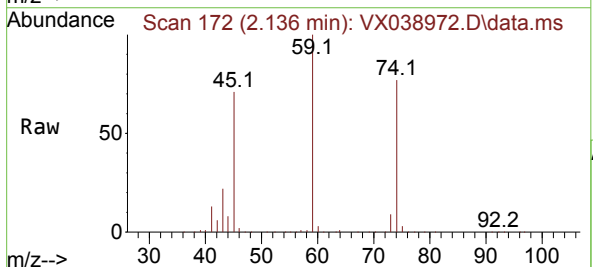
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:101 Resp: 112578  
Ion Ratio Lower Upper  
101 100  
103 62.6 51.4 77.2



#8  
Diethyl Ether  
Concen: 47.747 ug/l  
RT: 2.136 min Scan# 172  
Delta R.T. 0.006 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

Tgt Ion: 74 Resp: 45536  
Ion Ratio Lower Upper  
74 100  
45 100.4 53.3 159.8

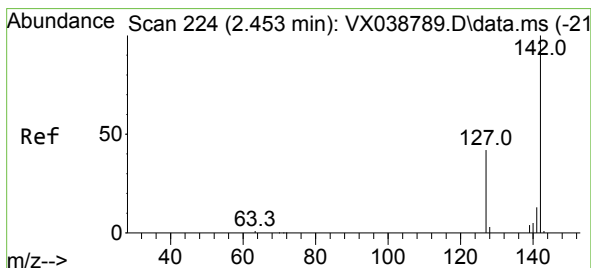
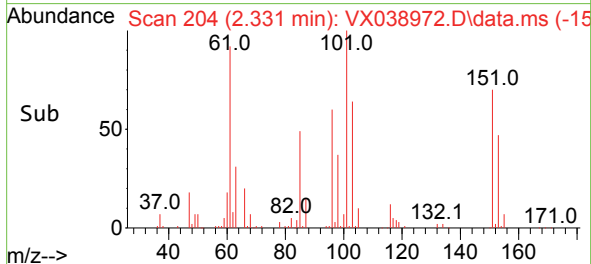
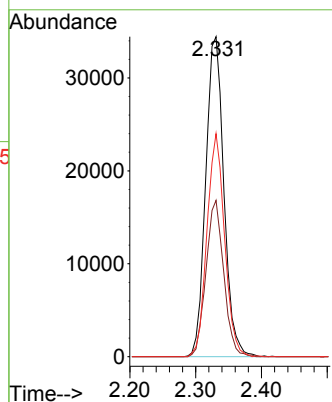
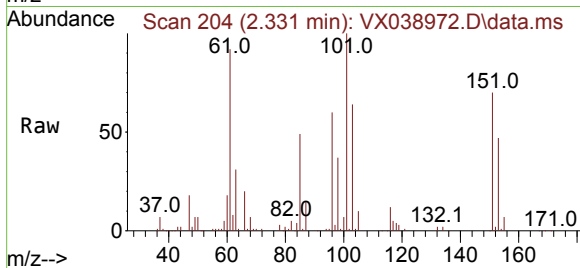




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 45.580 ug/l  
RT: 2.331 min Scan# 204  
Delta R.T. 0.000 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

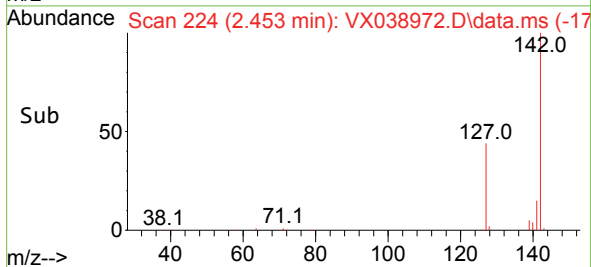
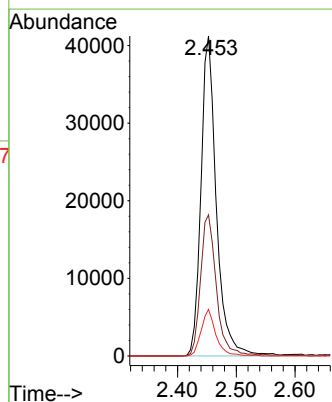
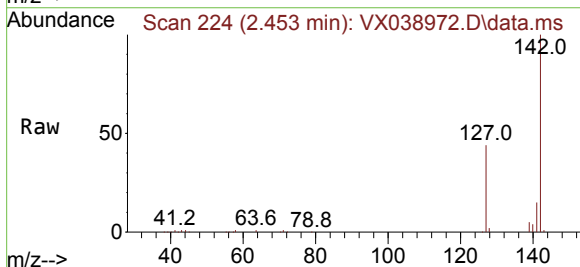
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

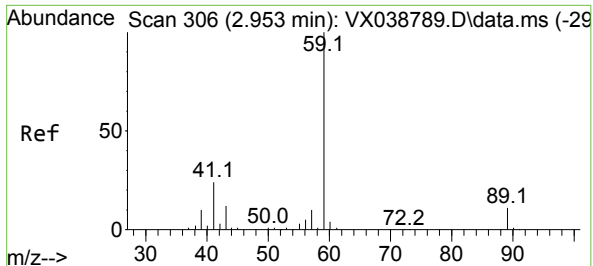
Tgt Ion:101 Resp: 66187  
Ion Ratio Lower Upper  
101 100  
85 47.7 37.0 55.6  
151 67.6 58.6 87.8



#10  
Methyl Iodide  
Concen: 42.531 ug/l  
RT: 2.453 min Scan# 224  
Delta R.T. 0.000 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

Tgt Ion:142 Resp: 75169  
Ion Ratio Lower Upper  
142 100  
127 45.6 41.6 62.4  
141 14.0 11.6 17.4

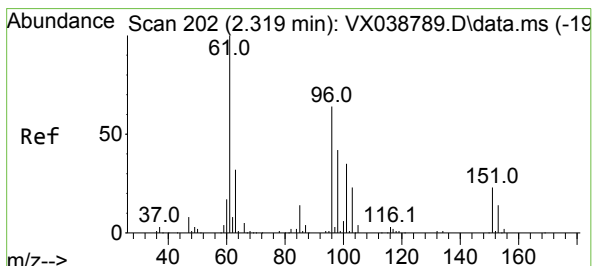
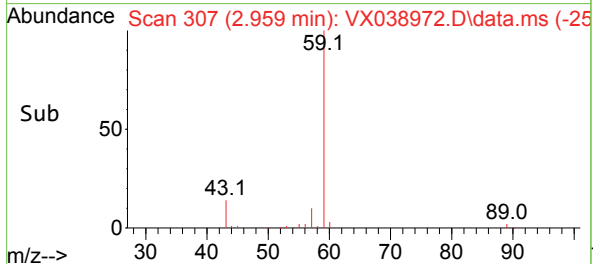
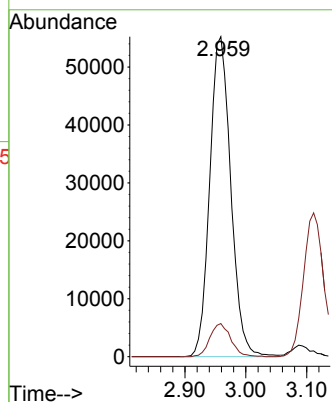
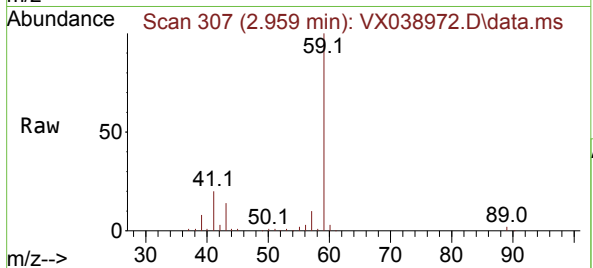




#11  
Tert butyl alcohol  
Concen: 251.657 ug/l  
RT: 2.959 min Scan# 306  
Delta R.T. 0.006 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

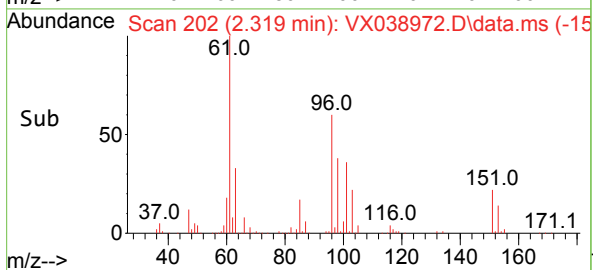
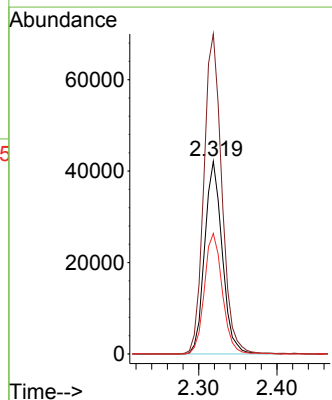
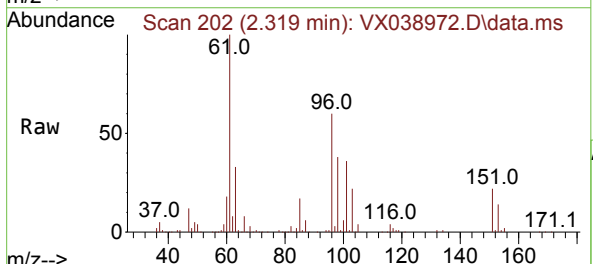
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

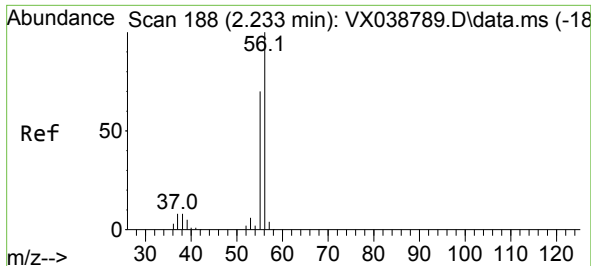
Tgt Ion: 59 Resp: 132660  
Ion Ratio Lower Upper  
59 100  
57 10.2 6.0 9.0#



#12  
1,1-Dichloroethene  
Concen: 44.700 ug/l  
RT: 2.319 min Scan# 202  
Delta R.T. 0.000 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

Tgt Ion: 96 Resp: 65531  
Ion Ratio Lower Upper  
96 100  
61 166.1 144.6 216.8  
98 62.6 50.4 75.6





#13

Acrolein

Concen: 272.140 ug/l

RT: 2.233 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX038972.D

Acq: 20 Nov 2023 20:26

Instrument :

MSVOA\_X

ClientSampleId :

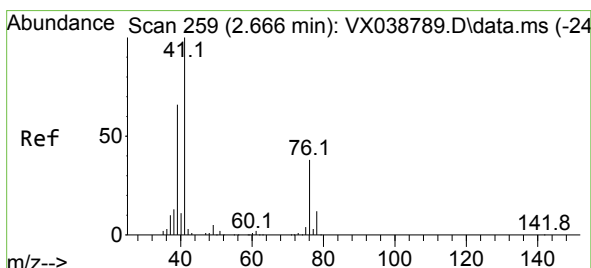
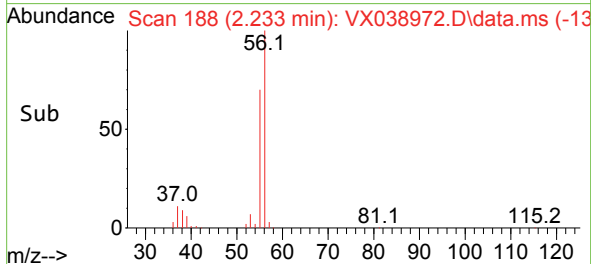
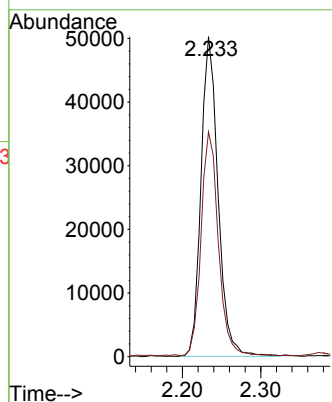
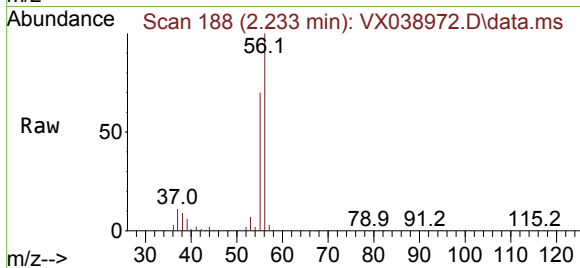
VSTDCCC050EC

Tgt Ion: 56 Resp: 75898

Ion Ratio Lower Upper

56 100

55 71.2 57.1 85.7



#14

Allyl chloride

Concen: 47.389 ug/l

RT: 2.660 min Scan# 258

Delta R.T. -0.006 min

Lab File: VX038972.D

Acq: 20 Nov 2023 20:26

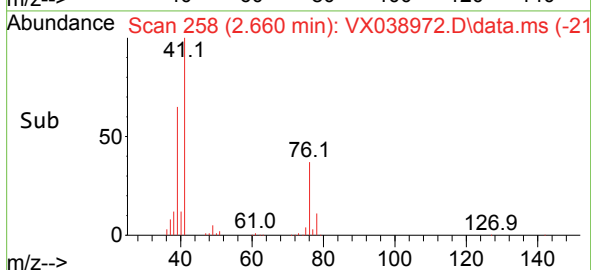
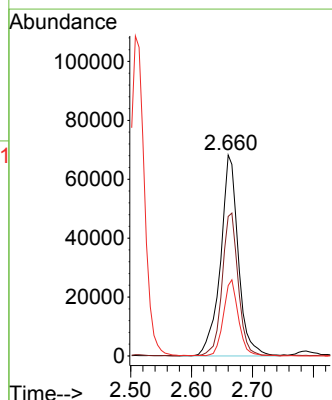
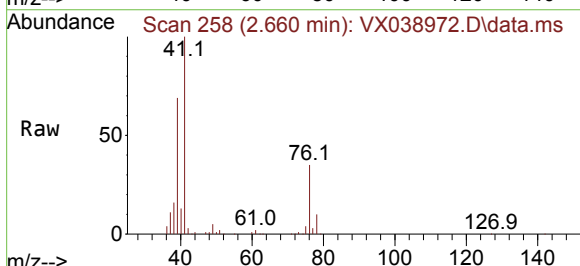
Tgt Ion: 41 Resp: 139096

Ion Ratio Lower Upper

41 100

39 63.9 55.8 83.6

76 31.9 24.3 36.5

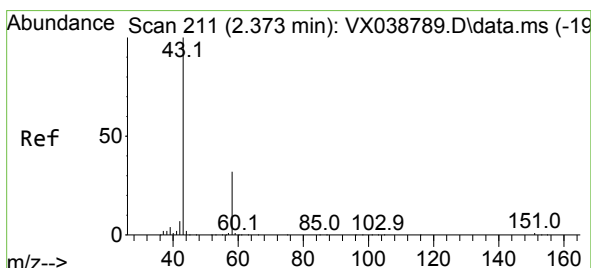
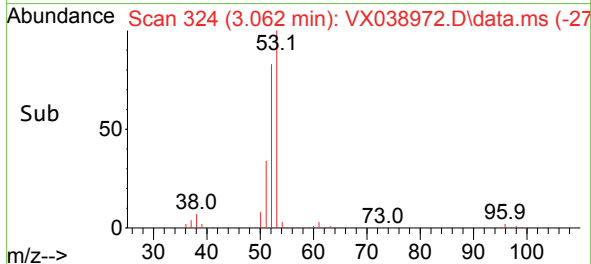
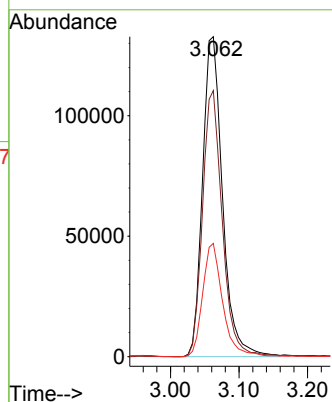
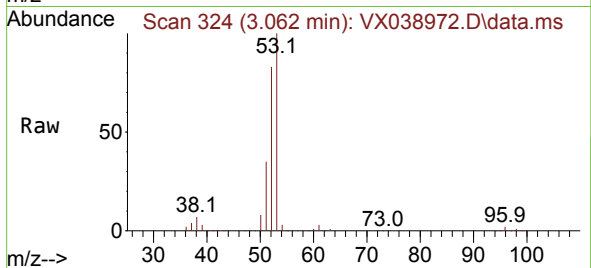




#15  
Acrylonitrile  
Concen: 242.422 ug/l  
RT: 3.062 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

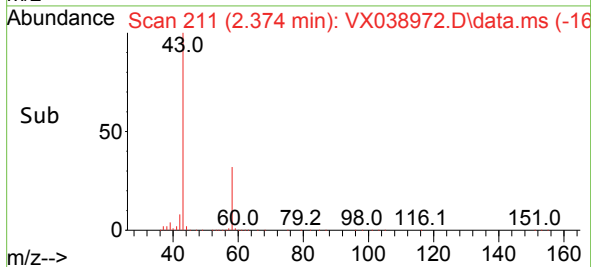
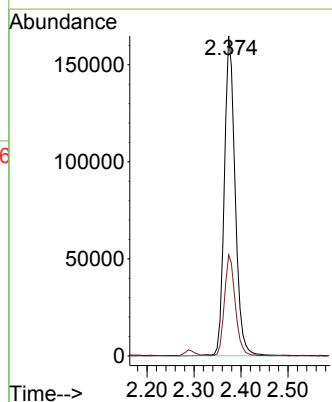
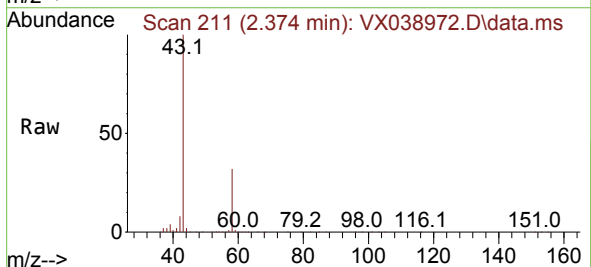
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

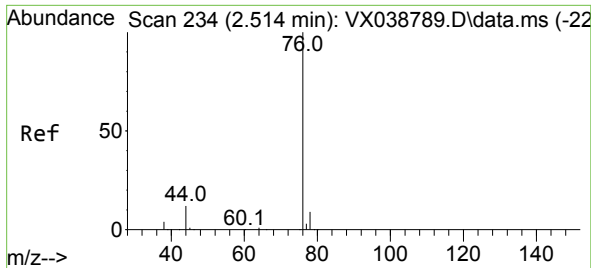
Tgt Ion: 53 Resp: 270024  
Ion Ratio Lower Upper  
53 100  
52 82.4 66.0 99.0  
51 35.5 29.8 44.6



#16  
Acetone  
Concen: 262.101 ug/l  
RT: 2.374 min Scan# 211  
Delta R.T. 0.000 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

Tgt Ion: 43 Resp: 264447  
Ion Ratio Lower Upper  
43 100  
58 31.6 21.9 32.9





#17

Carbon Disulfide

Concen: 39.251 ug/l

RT: 2.508 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX038972.D

Acq: 20 Nov 2023 20:26

Instrument :

MSVOA\_X

ClientSampleId :

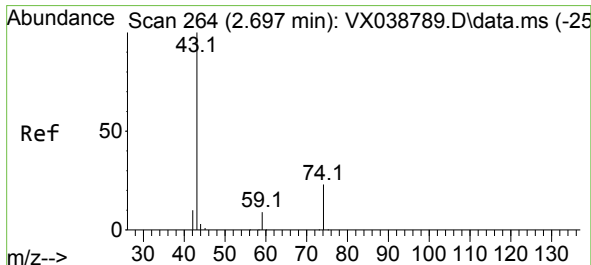
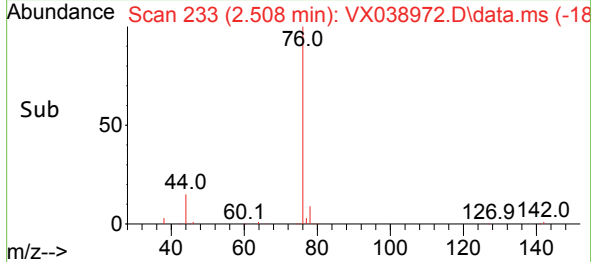
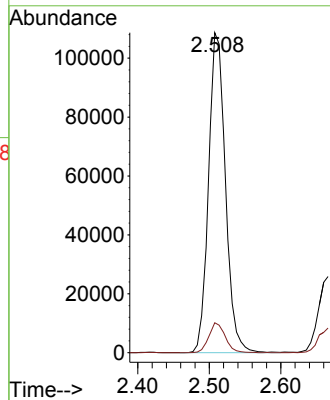
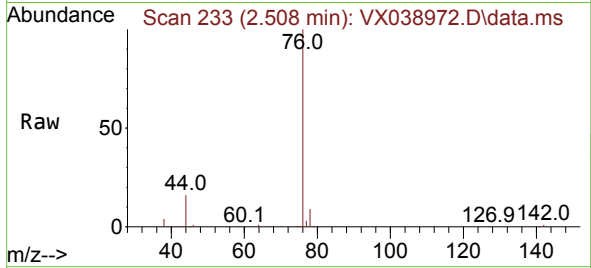
VSTDCCC050EC

Tgt Ion: 76 Resp: 178243

Ion Ratio Lower Upper

76 100

78 9.4 7.0 10.6



#18

Methyl Acetate

Concen: 53.189 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.006 min

Lab File: VX038972.D

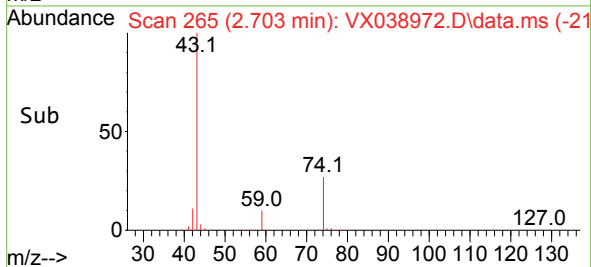
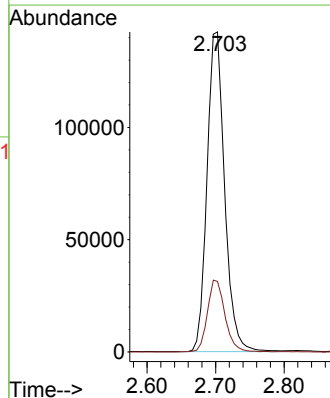
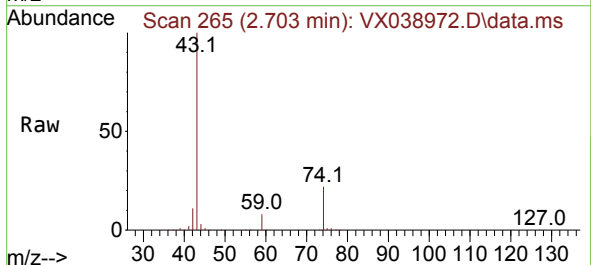
Acq: 20 Nov 2023 20:26

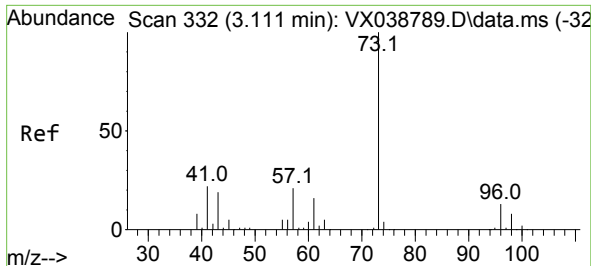
Tgt Ion: 43 Resp: 254905

Ion Ratio Lower Upper

43 100

74 22.6 17.8 26.8

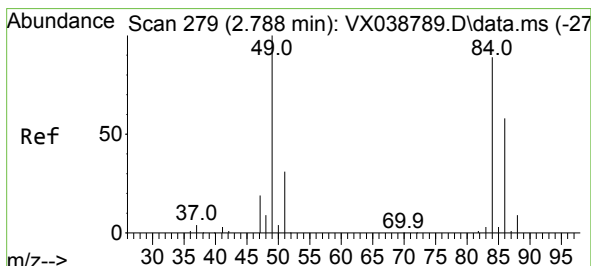
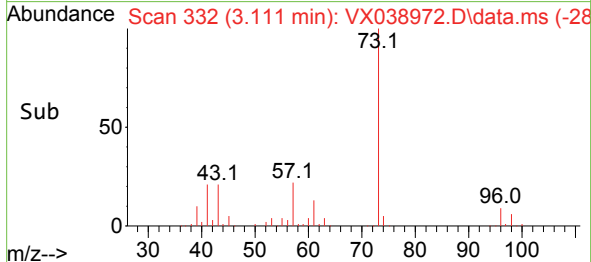
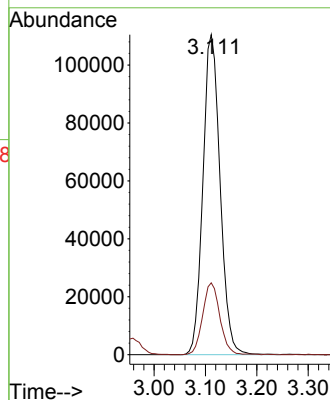
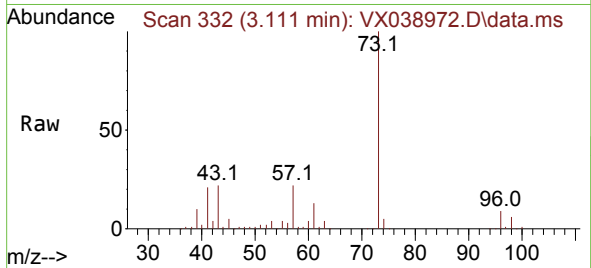




#19  
Methyl tert-butyl Ether  
Concen: 49.687 ug/l  
RT: 3.111 min Scan# 311  
Delta R.T. 0.000 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

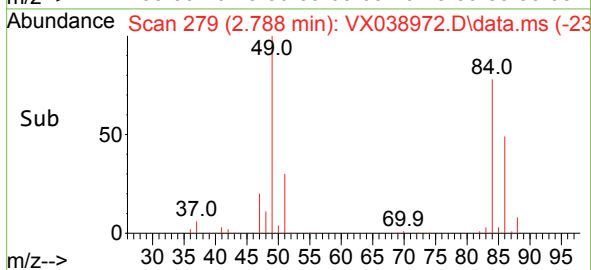
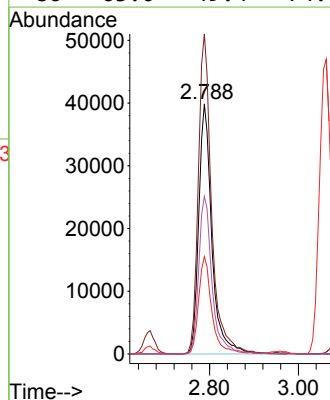
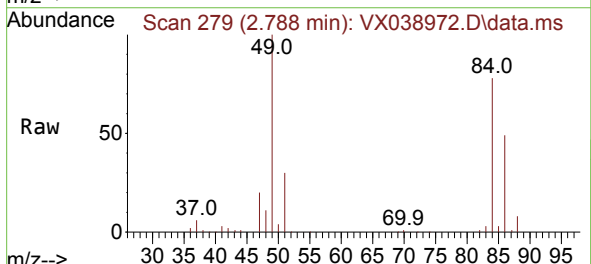
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

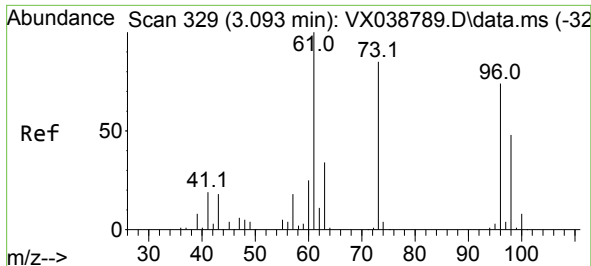
Tgt Ion: 73 Resp: 256202  
Ion Ratio Lower Upper  
73 100  
57 22.5 17.3 25.9



#20  
Methylene Chloride  
Concen: 45.097 ug/l  
RT: 2.788 min Scan# 279  
Delta R.T. 0.000 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

Tgt Ion: 84 Resp: 82021  
Ion Ratio Lower Upper  
84 100  
49 128.0 103.6 155.4  
51 39.0 33.8 50.6  
86 63.0 49.4 74.0

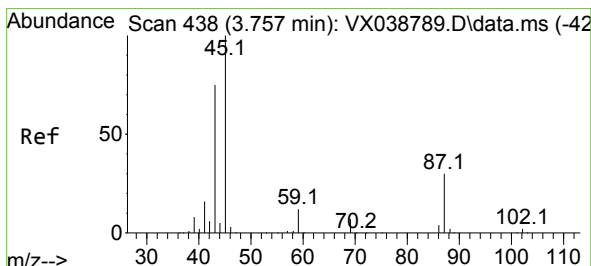
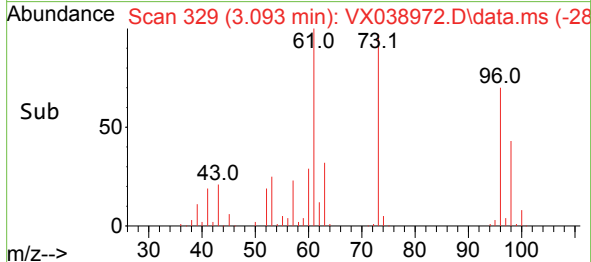
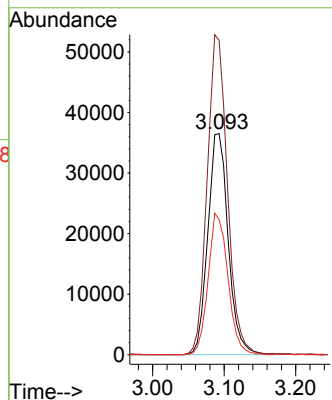
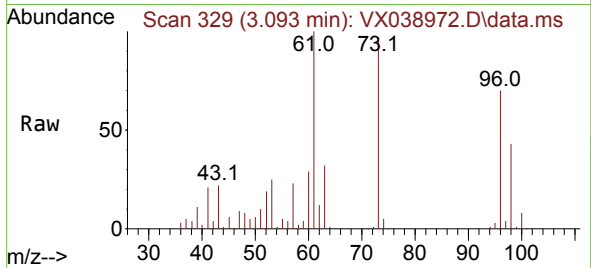




#21  
trans-1,2-Dichloroethene  
Concen: 44.730 ug/l  
RT: 3.093 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

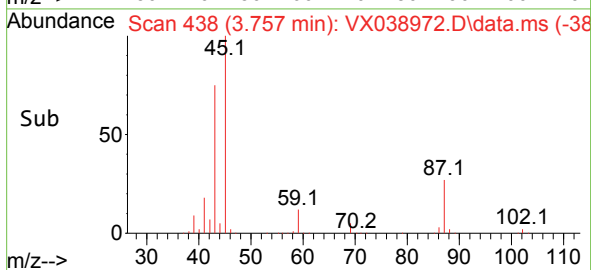
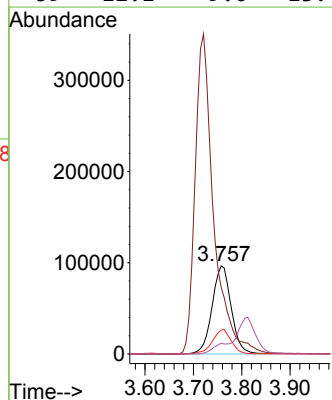
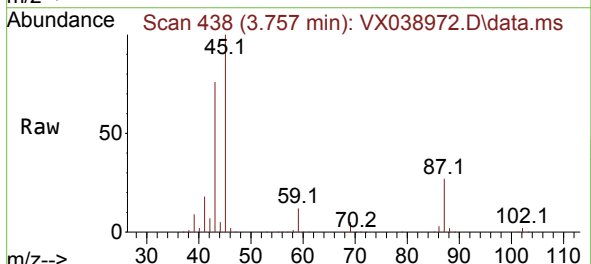
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

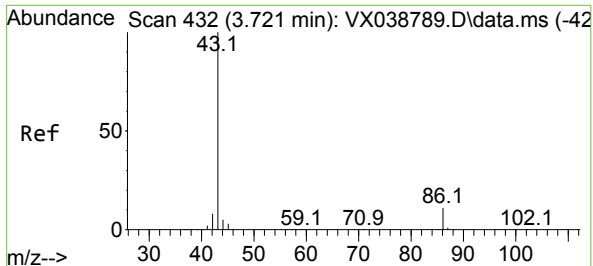
Tgt Ion: 96 Resp: 72355  
Ion Ratio Lower Upper  
96 100  
61 142.2 119.2 178.8  
98 61.1 48.7 73.1



#22  
Diisopropyl ether  
Concen: 49.334 ug/l  
RT: 3.757 min Scan# 438  
Delta R.T. 0.000 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

Tgt Ion: 45 Resp: 265645  
Ion Ratio Lower Upper  
45 100  
43 75.2 69.7 104.5  
87 27.0 20.8 31.2  
59 12.1 9.0 13.4

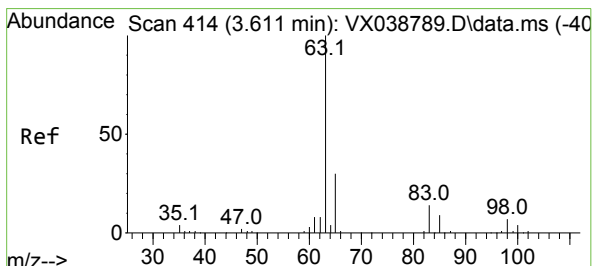
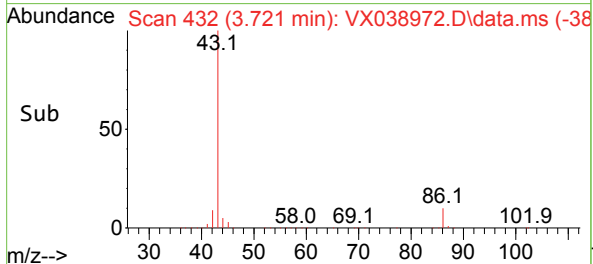
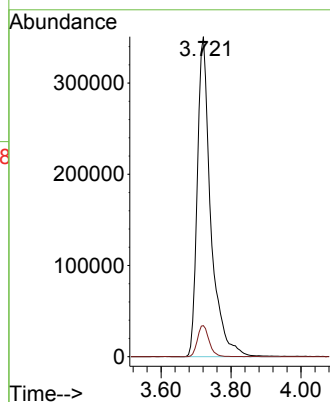
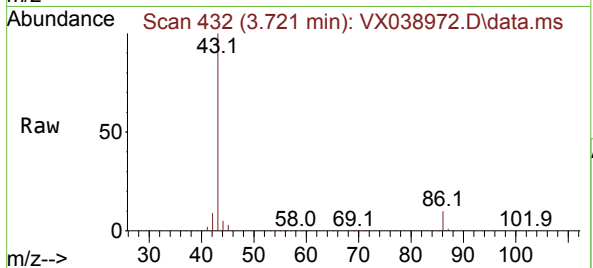




#23  
 Vinyl Acetate  
 Concen: 241.770 ug/l  
 RT: 3.721 min Scan# 41  
 Delta R.T. 0.000 min  
 Lab File: VX038972.D  
 Acq: 20 Nov 2023 20:26

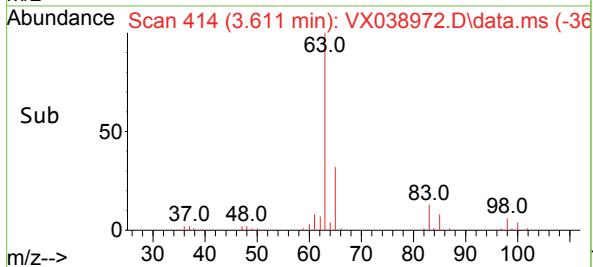
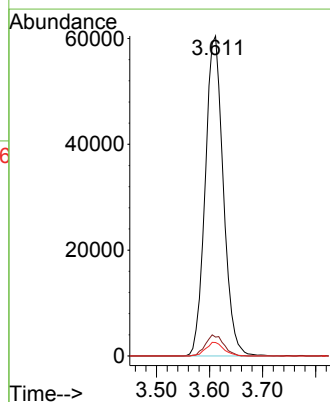
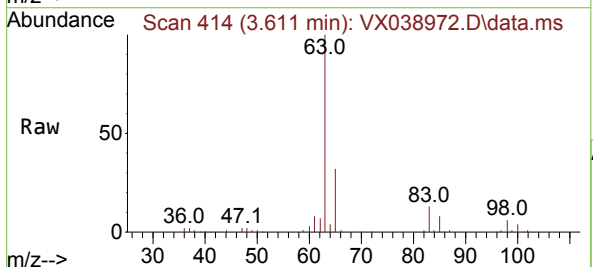
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

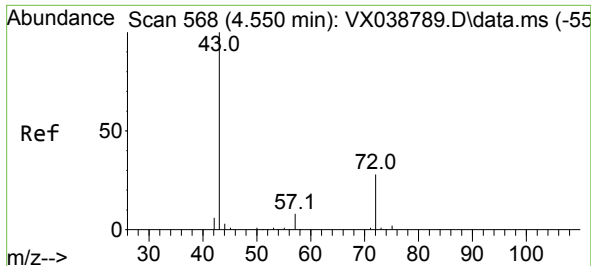
Tgt Ion: 43 Resp: 937599  
 Ion Ratio Lower Upper  
 43 100  
 86 9.7 7.8 11.8



#24  
 1,1-Dichloroethane  
 Concen: 47.573 ug/l  
 RT: 3.611 min Scan# 414  
 Delta R.T. 0.000 min  
 Lab File: VX038972.D  
 Acq: 20 Nov 2023 20:26

Tgt Ion: 63 Resp: 143252  
 Ion Ratio Lower Upper  
 63 100  
 98 5.9 3.3 9.8  
 100 4.2 2.1 6.5

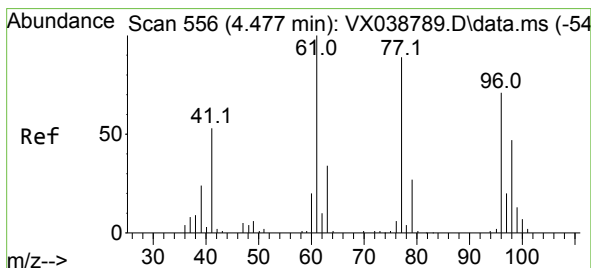
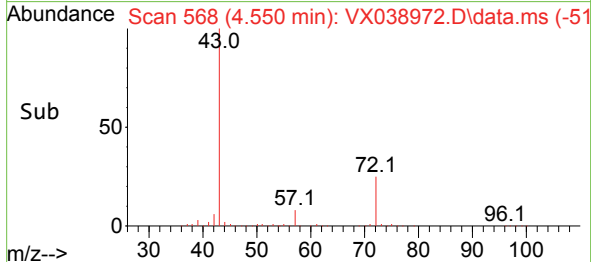
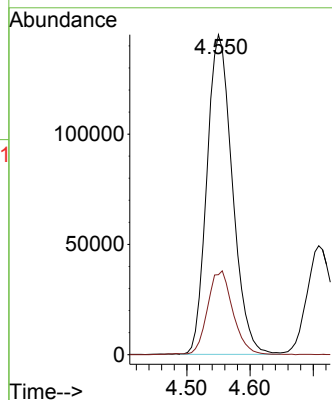
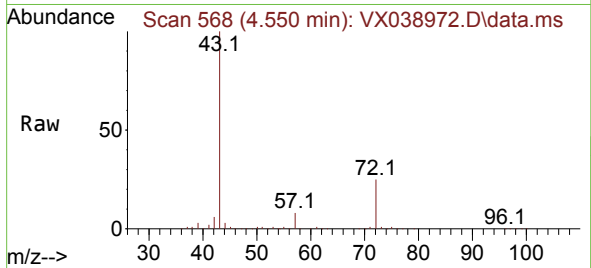




#25  
2-Butanone  
Concen: 247.787 ug/l  
RT: 4.550 min Scan# 50  
Delta R.T. 0.000 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

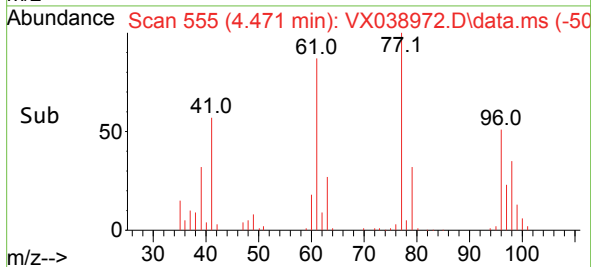
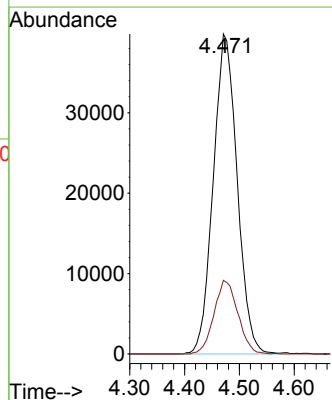
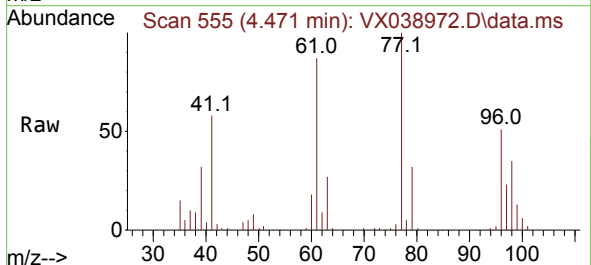
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 43 Resp: 405417  
Ion Ratio Lower Upper  
43 100  
72 24.9 19.4 29.2



#26  
2,2-Dichloropropane  
Concen: 46.097 ug/l  
RT: 4.471 min Scan# 555  
Delta R.T. -0.006 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

Tgt Ion: 77 Resp: 120404  
Ion Ratio Lower Upper  
77 100  
97 22.9 10.8 32.3

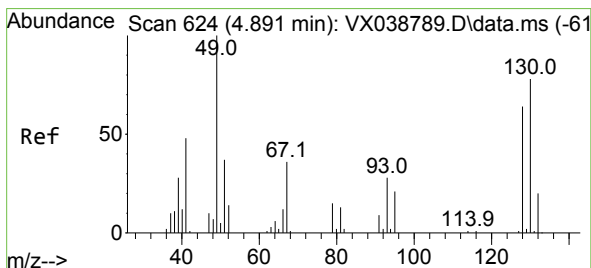
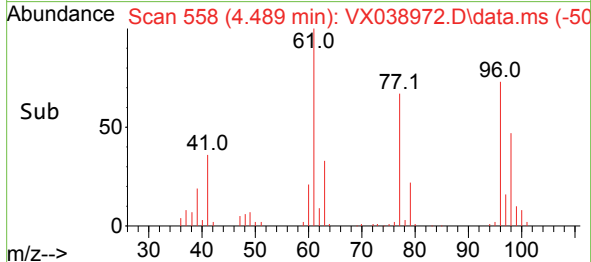
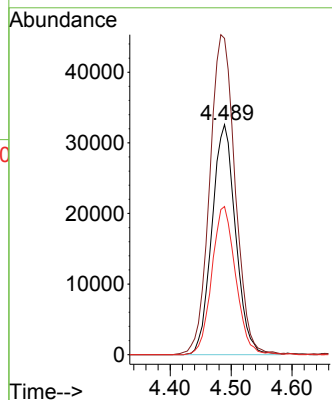
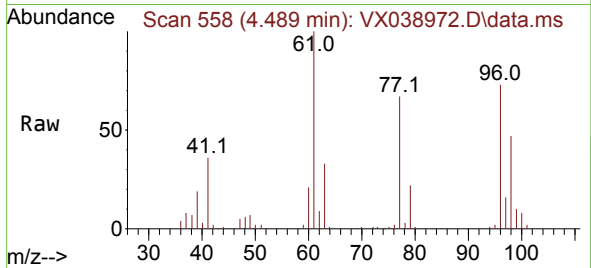




#27  
 cis-1,2-Dichloroethene  
 Concen: 46.707 ug/l  
 RT: 4.489 min Scan# 51  
 Delta R.T. 0.000 min  
 Lab File: VX038972.D  
 Acq: 20 Nov 2023 20:26

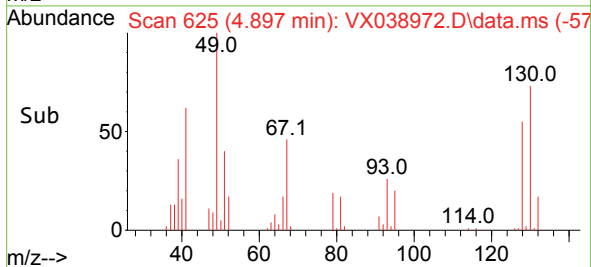
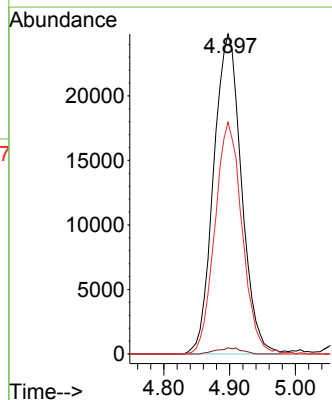
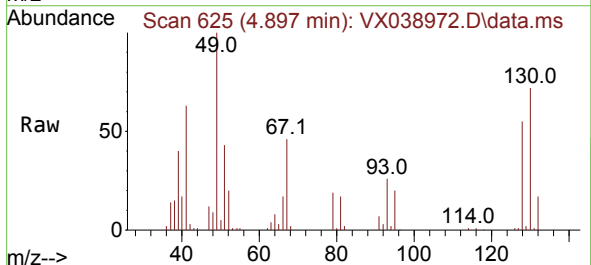
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

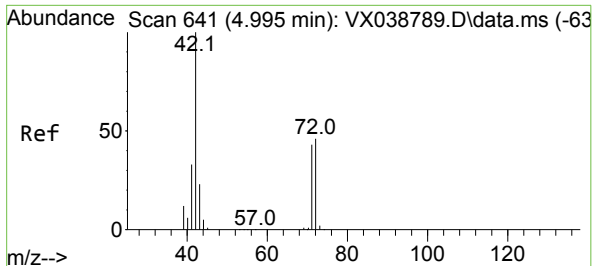
Tgt Ion: 96 Resp: 88068  
 Ion Ratio Lower Upper  
 96 100  
 61 149.7 0.0 312.2  
 98 64.8 0.0 129.0



#28  
 Bromochloromethane  
 Concen: 50.507 ug/l  
 RT: 4.897 min Scan# 625  
 Delta R.T. 0.006 min  
 Lab File: VX038972.D  
 Acq: 20 Nov 2023 20:26

Tgt Ion: 49 Resp: 73019  
 Ion Ratio Lower Upper  
 49 100  
 129 1.7 0.0 3.8  
 130 71.0 57.5 86.3





#29

Tetrahydrofuran

Concen: 249.707 ug/l

RT: 5.001 min Scan# 641

Delta R.T. 0.006 min

Lab File: VX038972.D

Acq: 20 Nov 2023 20:26

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

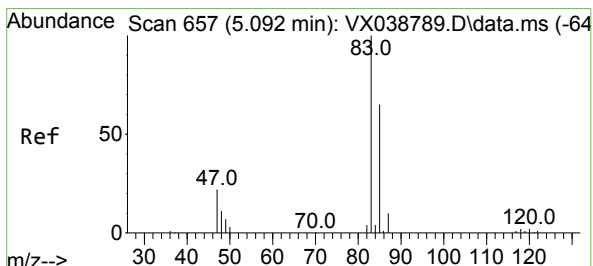
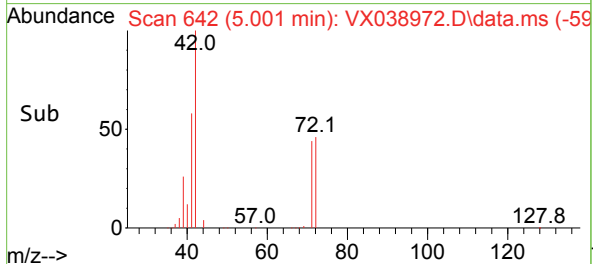
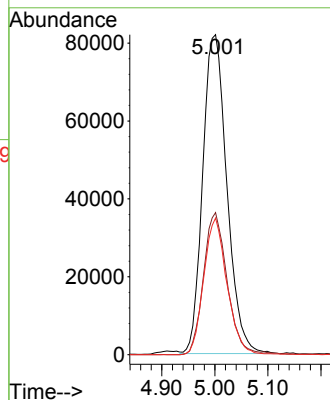
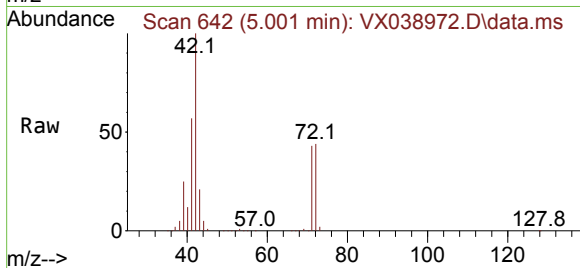
Tgt Ion: 42 Resp: 259411

Ion Ratio Lower Upper

42 100

72 43.8 34.2 51.4

71 41.2 32.2 48.2



#30

Chloroform

Concen: 49.757 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.000 min

Lab File: VX038972.D

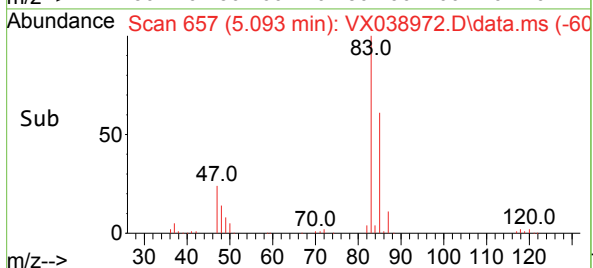
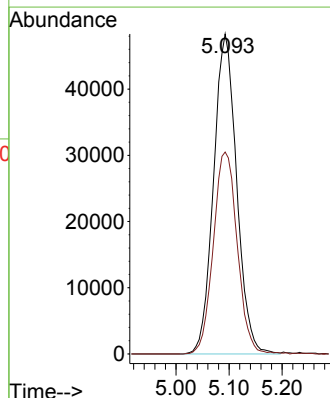
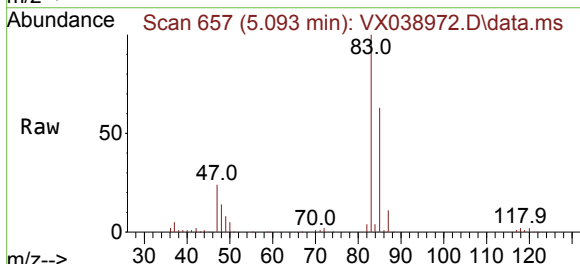
Acq: 20 Nov 2023 20:26

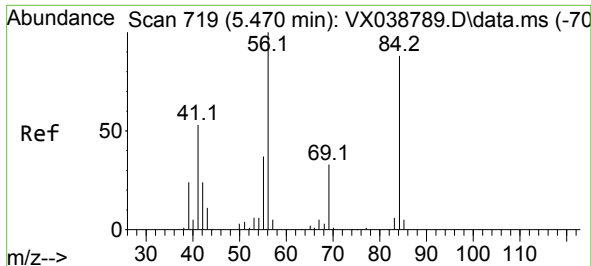
Tgt Ion: 83 Resp: 146301

Ion Ratio Lower Upper

83 100

85 63.1 50.3 75.5

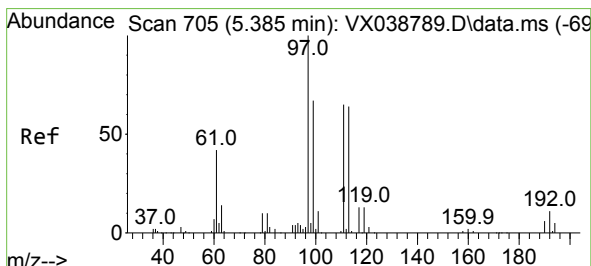
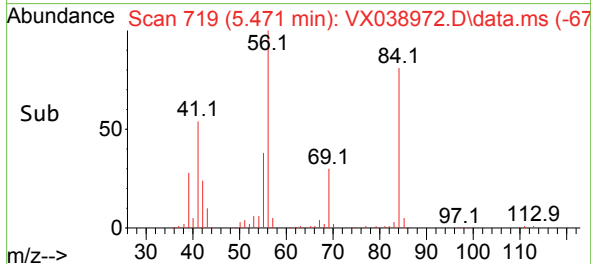
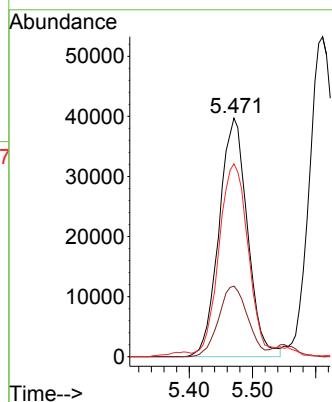
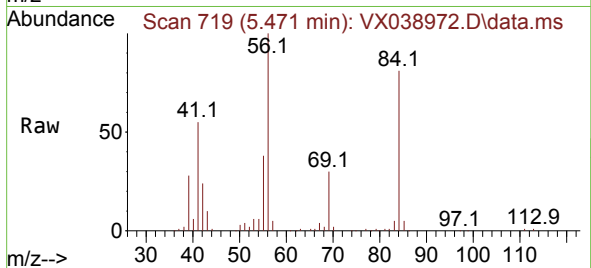




#31  
Cyclohexane  
Concen: 45.758 ug/l  
RT: 5.471 min Scan# 719  
Delta R.T. 0.000 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

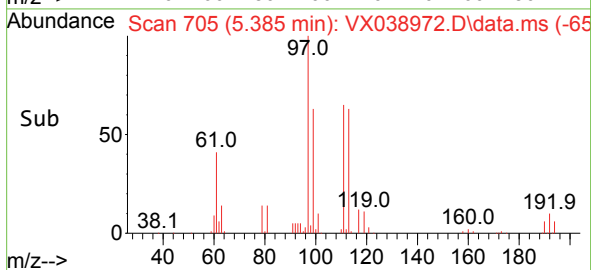
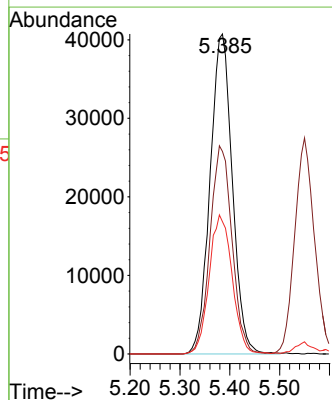
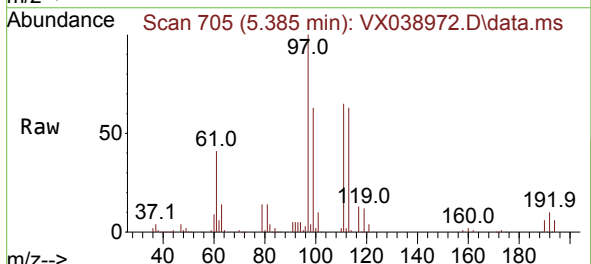
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 56 Resp: 123823  
Ion Ratio Lower Upper  
56 100  
69 29.6 23.4 35.2  
84 79.2 65.9 98.9



#32  
1,1,1-Trichloroethane  
Concen: 49.605 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

Tgt Ion: 97 Resp: 126332  
Ion Ratio Lower Upper  
97 100  
99 64.4 51.1 76.7  
61 44.9 36.4 54.6





#33

1,2-Dichloroethane-d4

Concen: 51.565 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX038972.D

Acq: 20 Nov 2023 20:26

Instrument :

MSVOA\_X

ClientSampleId :

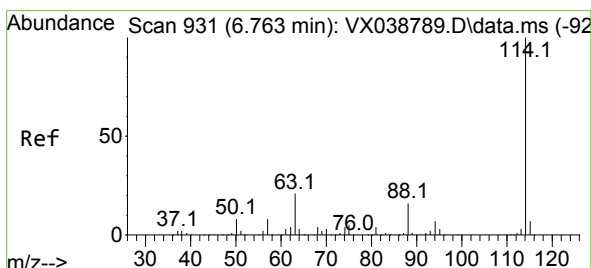
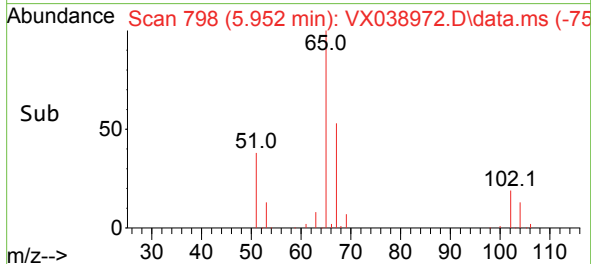
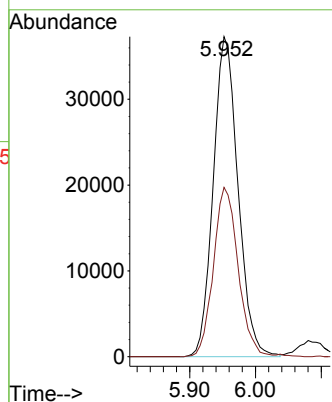
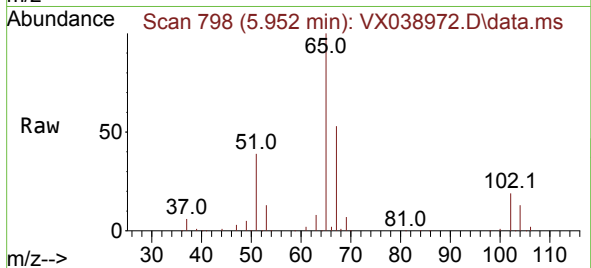
VSTDCCC050EC

Tgt Ion: 65 Resp: 97732

Ion Ratio Lower Upper

65 100

67 52.8 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: VX038972.D

Acq: 20 Nov 2023 20:26

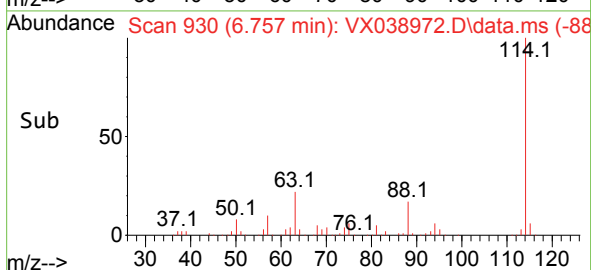
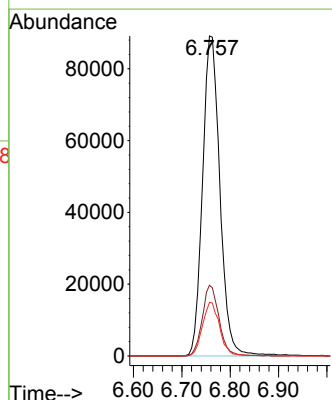
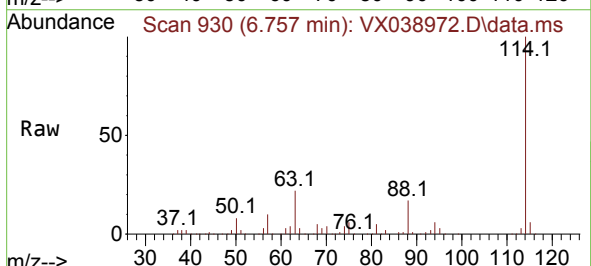
Tgt Ion: 114 Resp: 222152

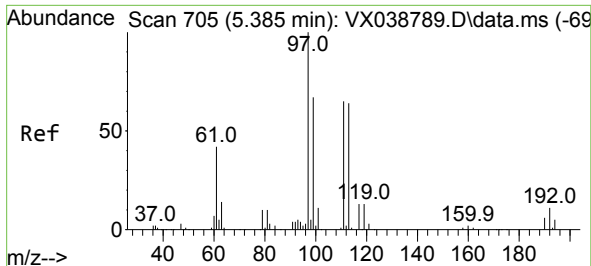
Ion Ratio Lower Upper

114 100

63 22.1 0.0 45.0

88 16.7 0.0 36.6

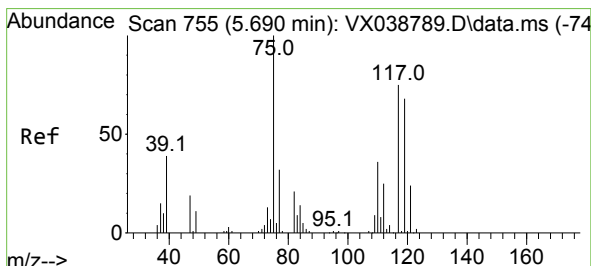
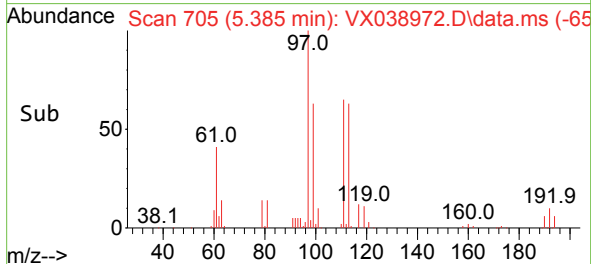
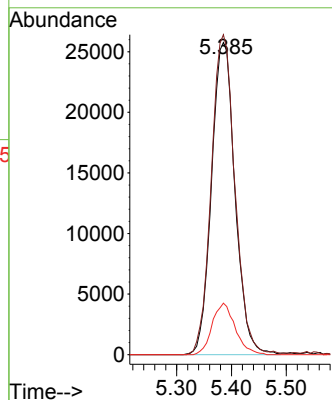
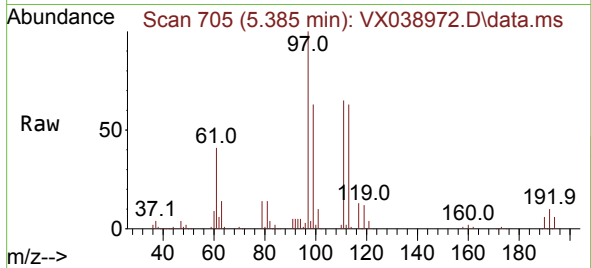




#35  
Dibromofluoromethane  
Concen: 47.719 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

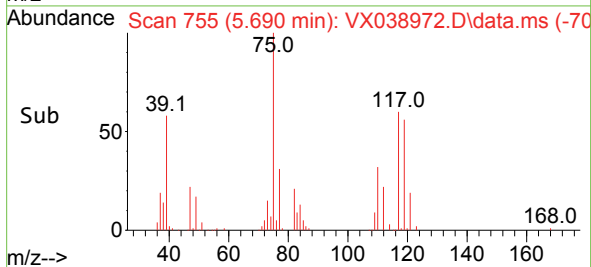
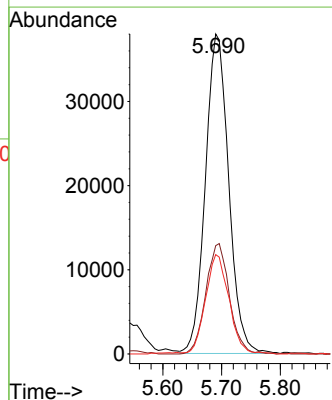
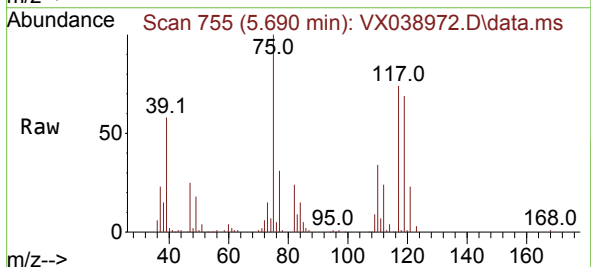
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

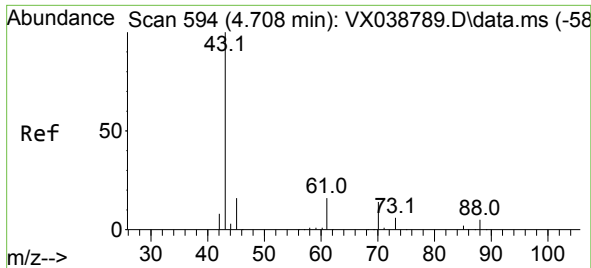
Tgt Ion:113 Resp: 76562  
Ion Ratio Lower Upper  
113 100  
111 103.5 82.9 124.3  
192 16.2 13.3 19.9



#36  
1,1-Dichloropropene  
Concen: 45.592 ug/l  
RT: 5.690 min Scan# 755  
Delta R.T. 0.000 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

Tgt Ion: 75 Resp: 104840  
Ion Ratio Lower Upper  
75 100  
110 35.0 17.0 50.9  
77 31.3 24.7 37.1





#37

Ethyl Acetate

Concen: 47.984 ug/l

RT: 4.708 min Scan# 594

Delta R.T. 0.000 min

Lab File: VX038972.D

Acq: 20 Nov 2023 20:26

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

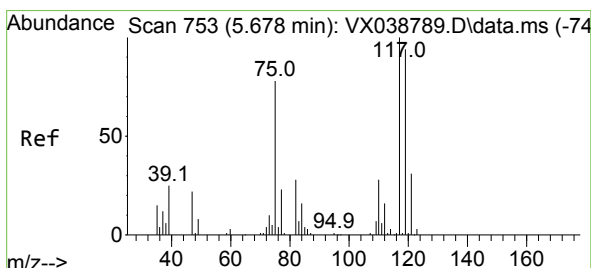
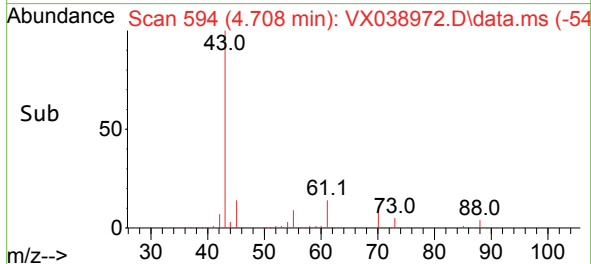
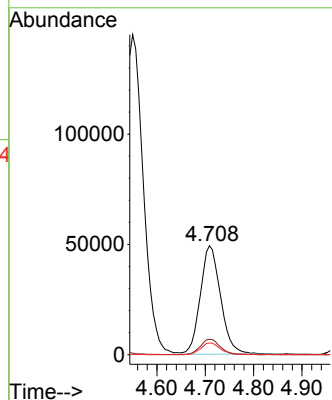
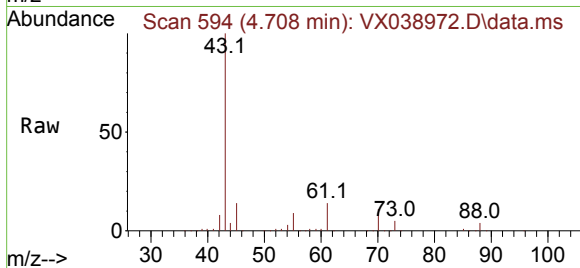
Tgt Ion: 43 Resp: 143757

Ion Ratio Lower Upper

43 100

61 14.2 10.6 16.0

70 10.4 8.3 12.5



#38

Carbon Tetrachloride

Concen: 49.651 ug/l

RT: 5.678 min Scan# 753

Delta R.T. 0.000 min

Lab File: VX038972.D

Acq: 20 Nov 2023 20:26

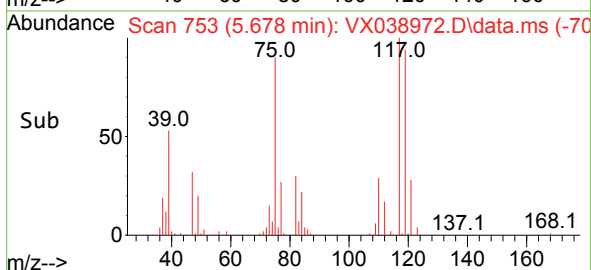
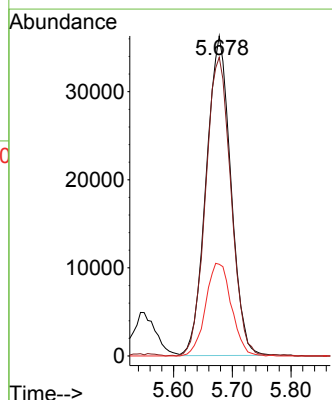
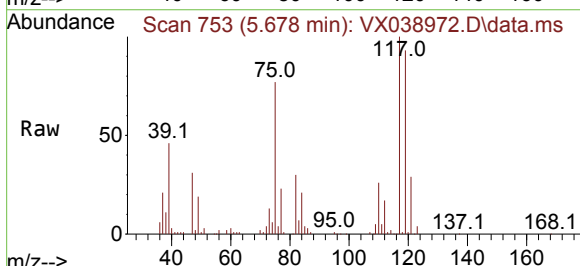
Tgt Ion:117 Resp: 105523

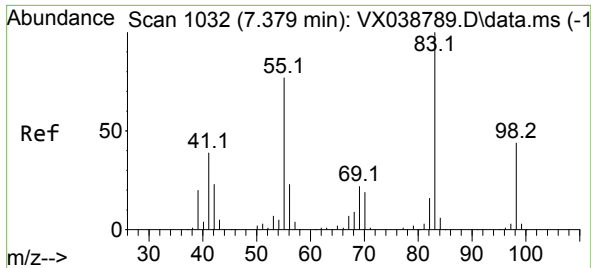
Ion Ratio Lower Upper

117 100

119 93.3 78.2 117.2

121 28.7 24.4 36.6

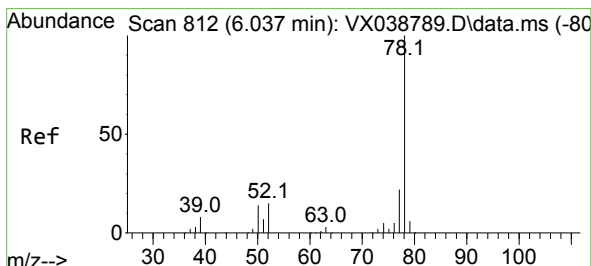
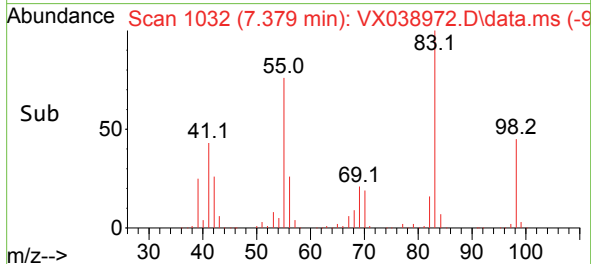
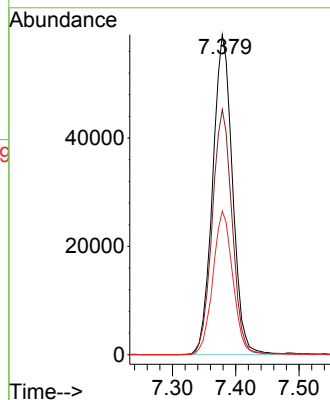
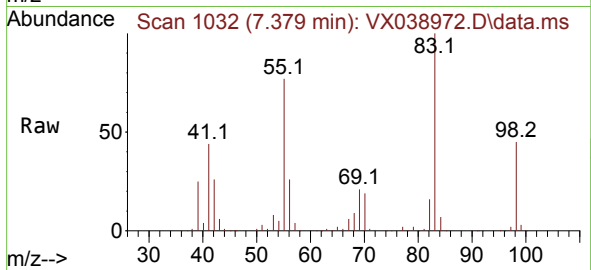




#39  
Methylcyclohexane  
Concen: 42.824 ug/l  
RT: 7.379 min Scan# 1032  
Delta R.T. 0.000 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

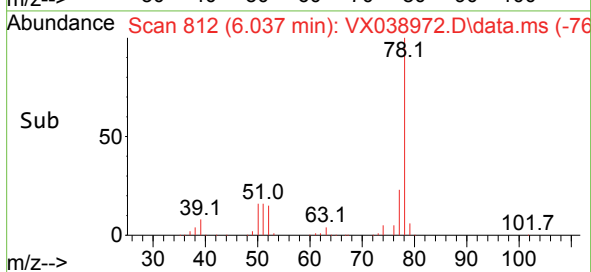
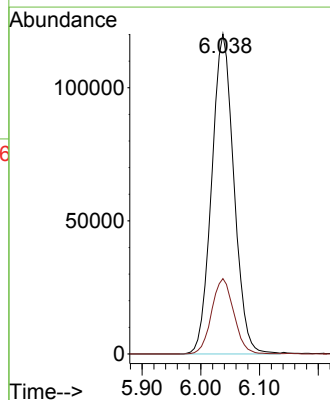
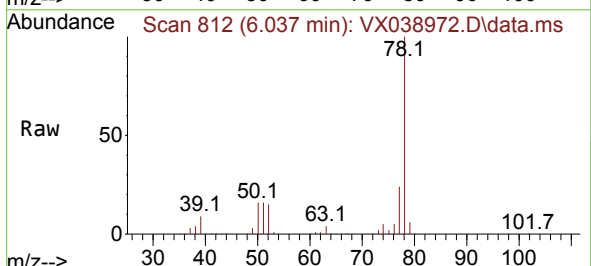
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

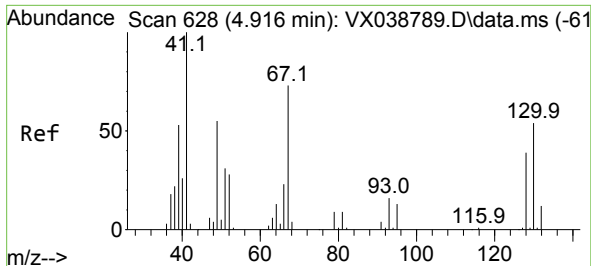
Tgt Ion: 83 Resp: 128450  
Ion Ratio Lower Upper  
83 100  
55 76.6 64.6 97.0  
98 44.9 36.7 55.1



#40  
Benzene  
Concen: 46.407 ug/l  
RT: 6.037 min Scan# 812  
Delta R.T. 0.000 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

Tgt Ion: 78 Resp: 315629  
Ion Ratio Lower Upper  
78 100  
77 23.6 19.3 28.9



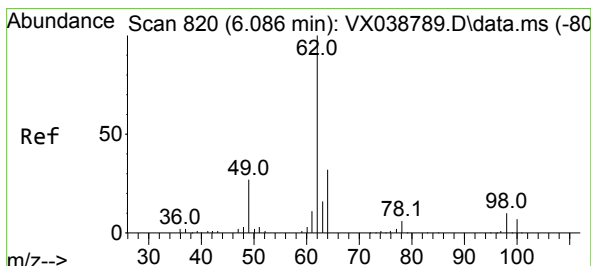
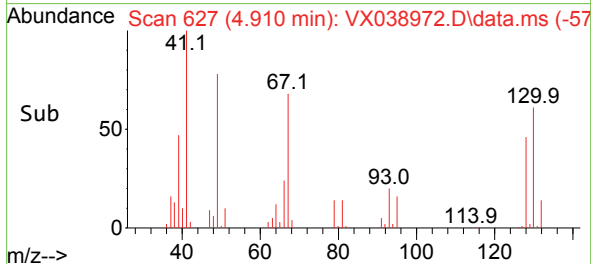
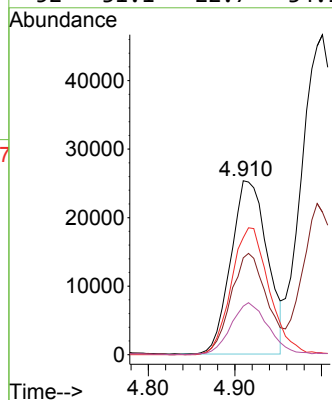
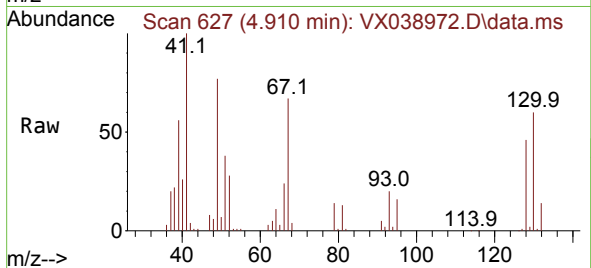


#41  
Methacrylonitrile  
Concen: 47.773 ug/l  
RT: 4.910 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 41 Resp: 74232

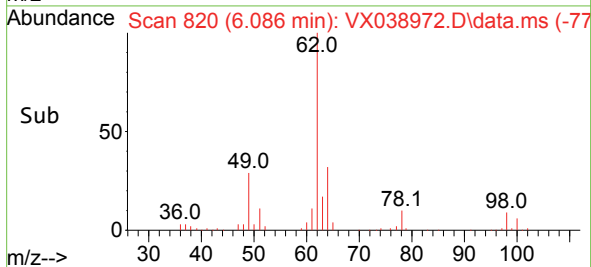
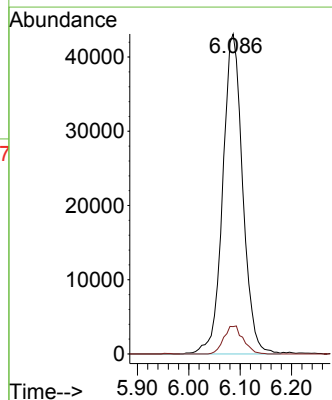
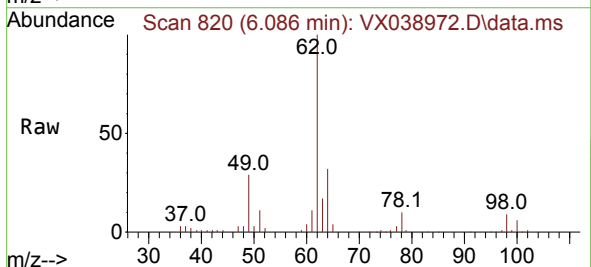
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 58.7  | 45.2  | 67.8  |
| 67  | 75.9  | 52.6  | 78.8  |
| 52  | 31.1  | 22.7  | 34.1  |

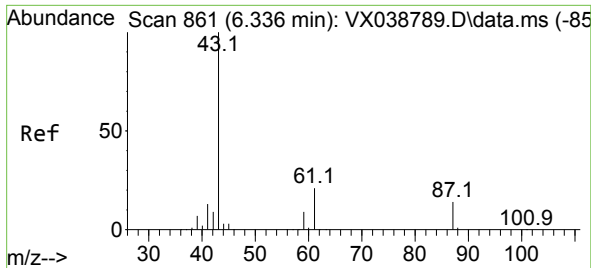


#42  
1,2-Dichloroethane  
Concen: 51.534 ug/l  
RT: 6.086 min Scan# 820  
Delta R.T. 0.000 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

Tgt Ion: 62 Resp: 116126

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 8.5   | 0.0   | 16.0  |

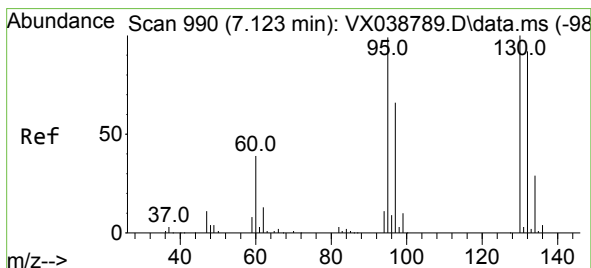
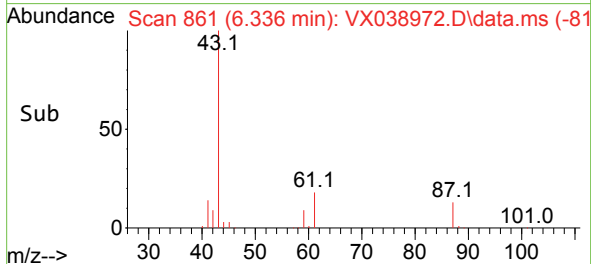
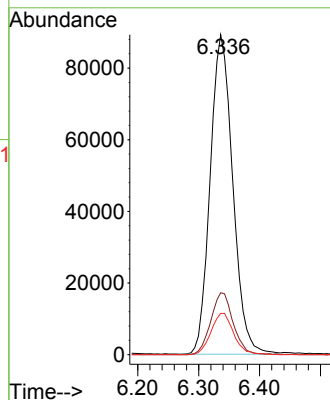
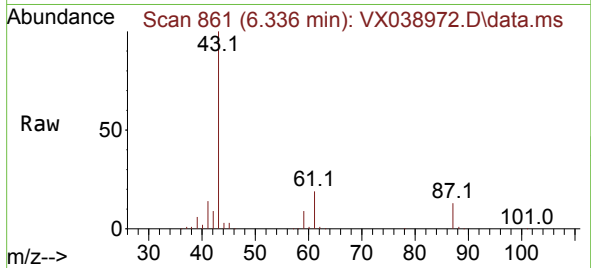




#43  
Isopropyl Acetate  
Concen: 48.009 ug/l  
RT: 6.336 min Scan# 861  
Delta R.T. 0.000 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

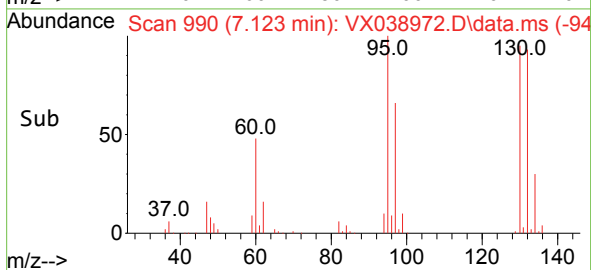
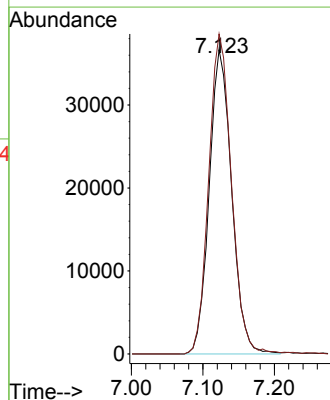
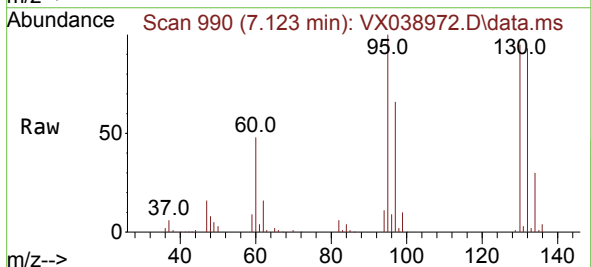
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

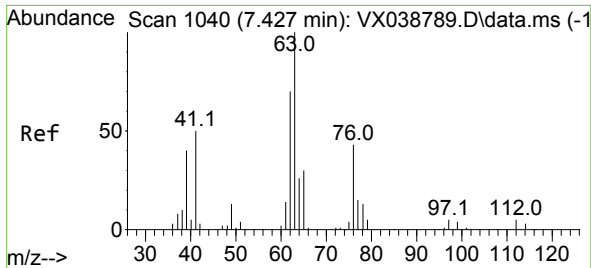
Tgt Ion: 43 Resp: 229862  
Ion Ratio Lower Upper  
43 100  
61 19.3 15.2 22.8  
87 13.0 9.8 14.6



#44  
Trichloroethene  
Concen: 48.325 ug/l  
RT: 7.123 min Scan# 990  
Delta R.T. 0.000 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

Tgt Ion:130 Resp: 80002  
Ion Ratio Lower Upper  
130 100  
95 105.2 0.0 204.4

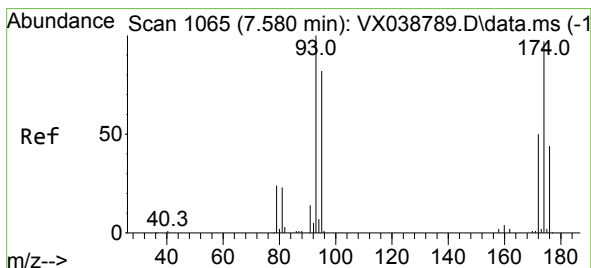
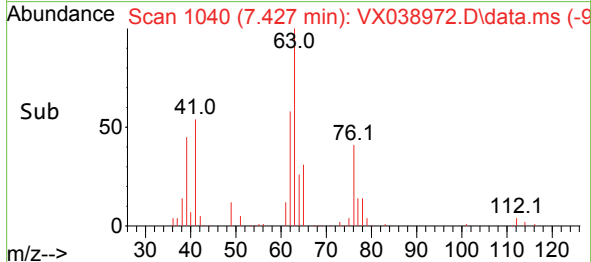
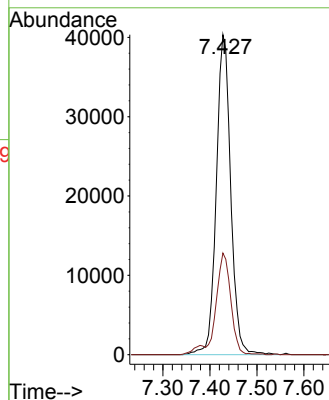
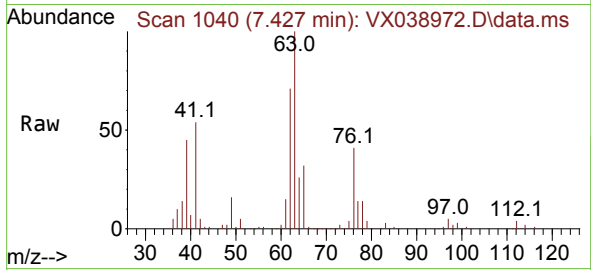




#45  
1,2-Dichloropropane  
Concen: 47.069 ug/l  
RT: 7.427 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

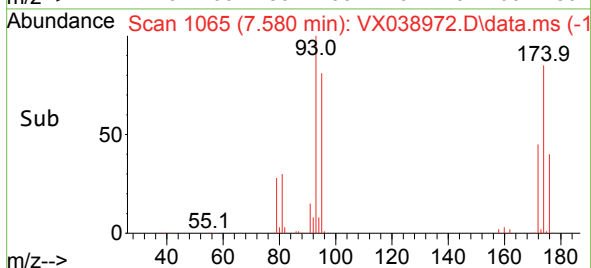
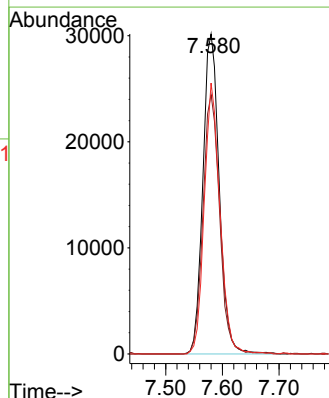
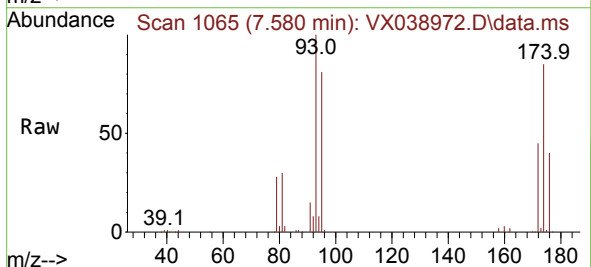
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

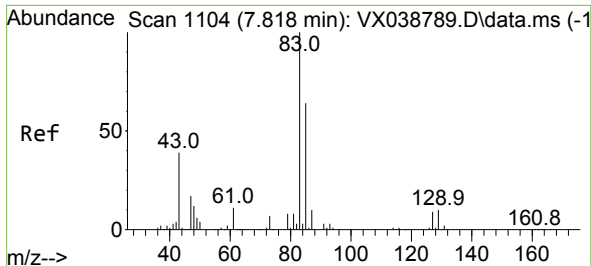
Tgt Ion: 63 Resp: 86149  
Ion Ratio Lower Upper  
63 100  
65 31.8 24.3 36.5



#46  
Dibromomethane  
Concen: 49.622 ug/l  
RT: 7.580 min Scan# 1065  
Delta R.T. 0.000 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

Tgt Ion: 93 Resp: 60567  
Ion Ratio Lower Upper  
93 100  
95 82.2 66.6 100.0  
174 81.4 69.4 104.0

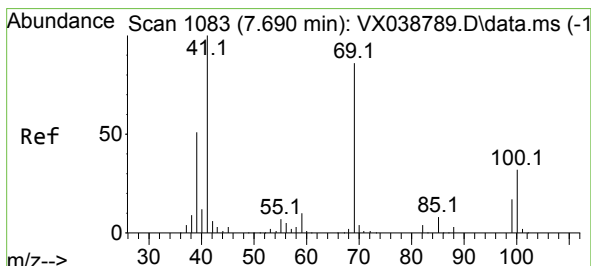
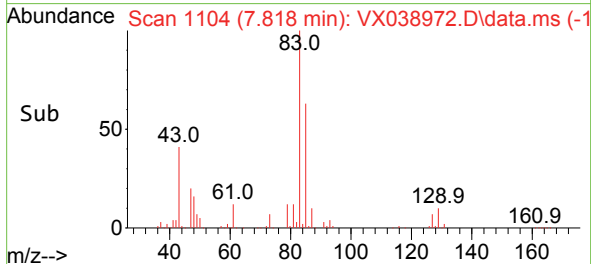
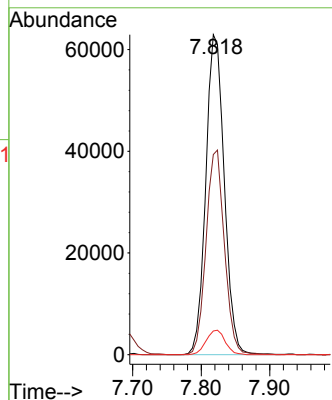
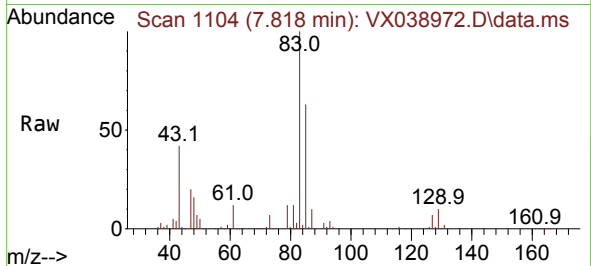




#47  
Bromodichloromethane  
Concen: 48.732 ug/l  
RT: 7.818 min Scan# 1104  
Delta R.T. 0.000 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

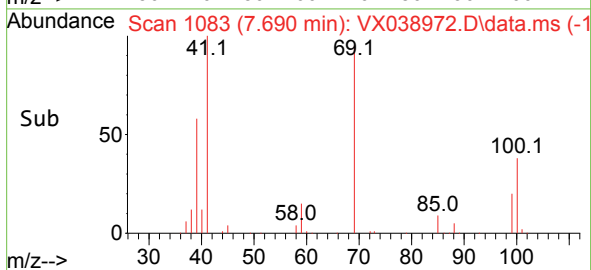
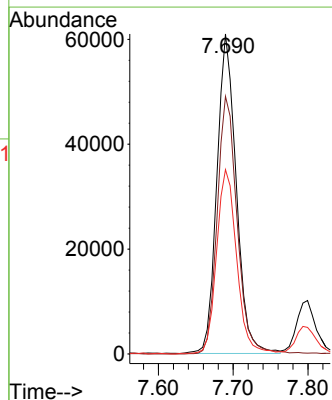
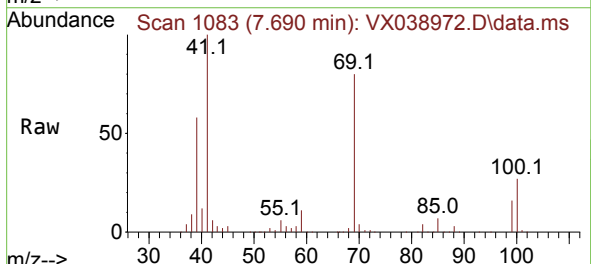
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

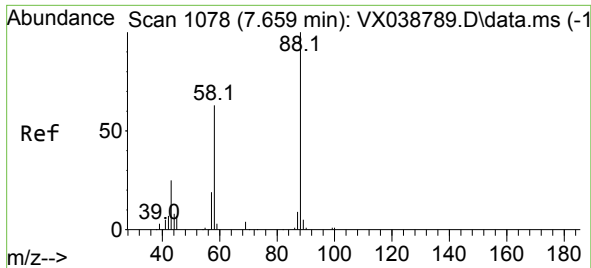
Tgt Ion: 83 Resp: 118056  
Ion Ratio Lower Upper  
83 100  
85 62.5 49.8 74.6  
127 7.4 7.1 10.7



#48  
Methyl methacrylate  
Concen: 47.194 ug/l  
RT: 7.690 min Scan# 1083  
Delta R.T. 0.000 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

Tgt Ion: 41 Resp: 109634  
Ion Ratio Lower Upper  
41 100  
69 83.3 59.2 88.8  
39 60.0 47.7 71.5

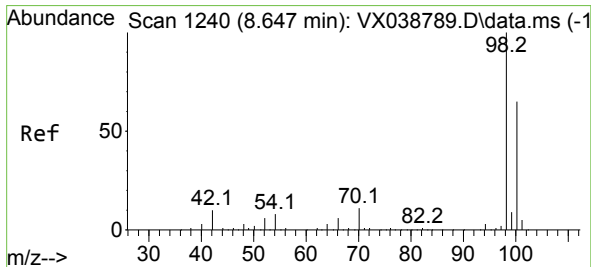
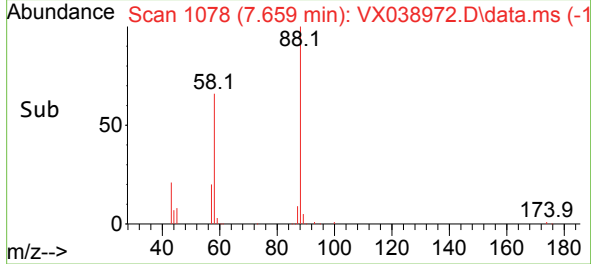
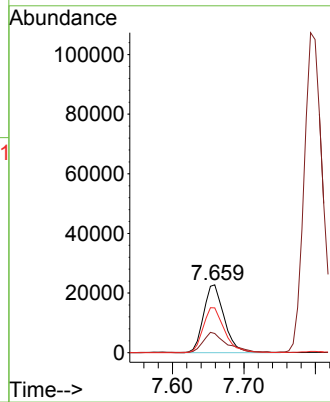
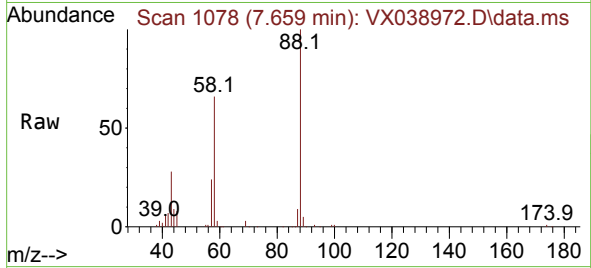




#49  
1,4-Dioxane  
Concen: 1014.784 ug/l  
RT: 7.659 min Scan# 1078  
Delta R.T. 0.000 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

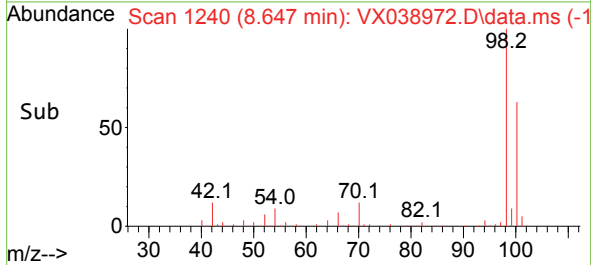
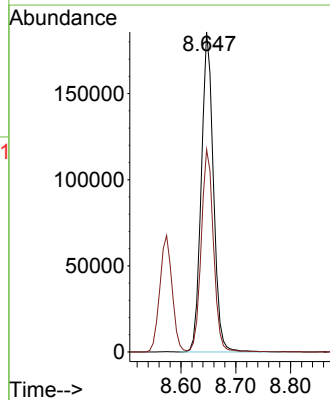
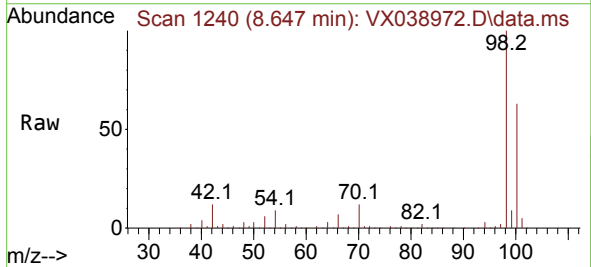
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

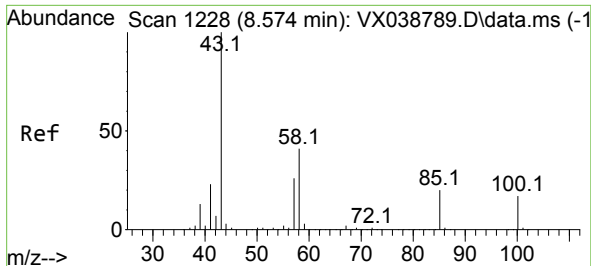
Tgt Ion: 88 Resp: 45607  
Ion Ratio Lower Upper  
88 100  
43 34.1 0.0 0.0#  
58 68.6 60.1 90.1



#50  
Toluene-d8  
Concen: 46.510 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

Tgt Ion: 98 Resp: 285511  
Ion Ratio Lower Upper  
98 100  
100 64.1 53.1 79.7

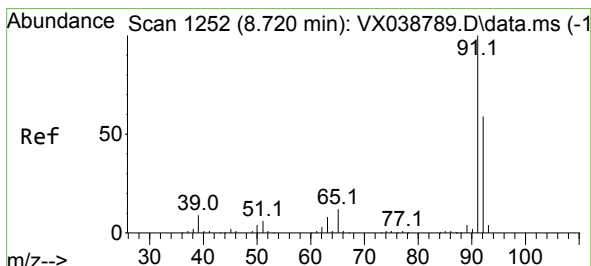
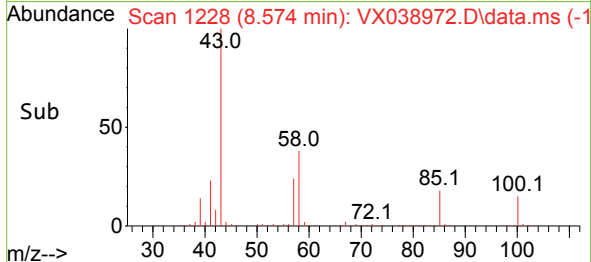
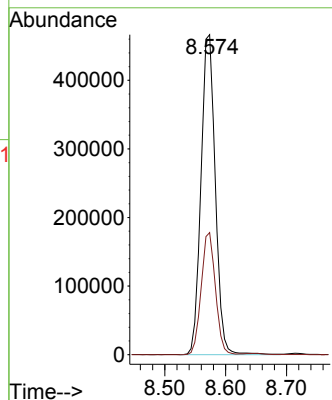
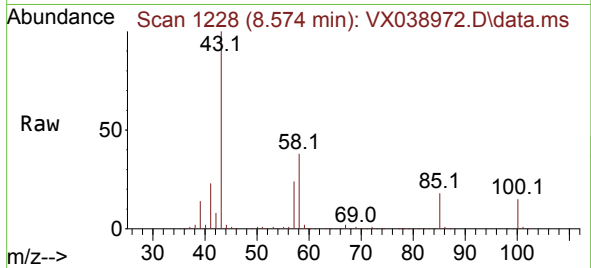




#51  
4-Methyl-2-Pentanone  
Concen: 249.465 ug/l  
RT: 8.574 min Scan# 1228  
Delta R.T. 0.000 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

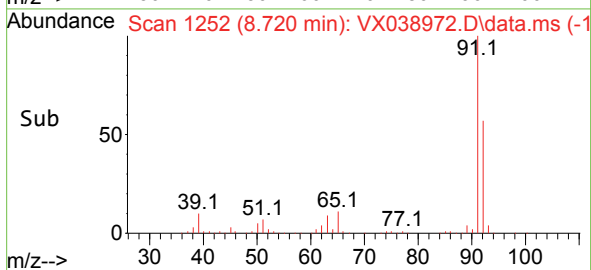
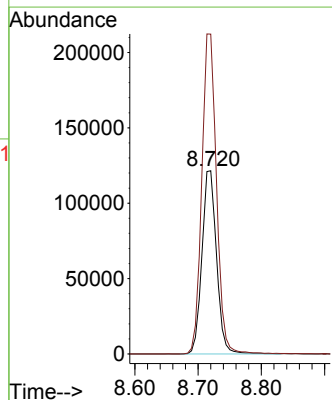
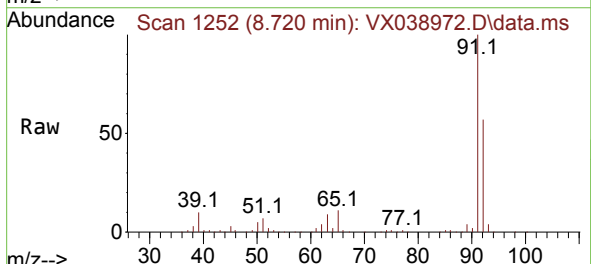
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

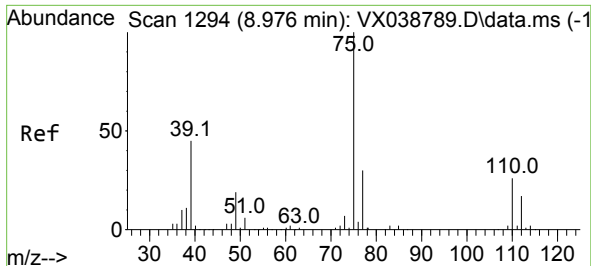
Tgt Ion: 43 Resp: 763303  
Ion Ratio Lower Upper  
43 100  
58 37.9 30.4 45.6



#52  
Toluene  
Concen: 46.376 ug/l  
RT: 8.720 min Scan# 1252  
Delta R.T. 0.000 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

Tgt Ion: 92 Resp: 195731  
Ion Ratio Lower Upper  
92 100  
91 176.3 134.2 201.2





#53

t-1,3-Dichloropropene

Concen: 46.285 ug/l

RT: 8.976 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX038972.D

Acq: 20 Nov 2023 20:26

Instrument :

MSVOA\_X

ClientSampleId :

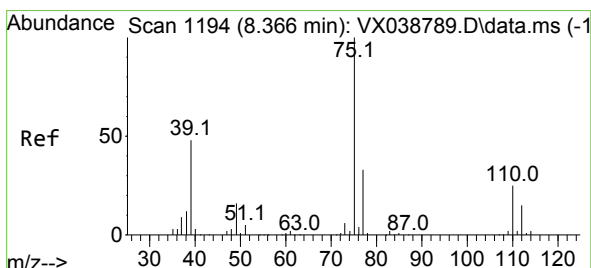
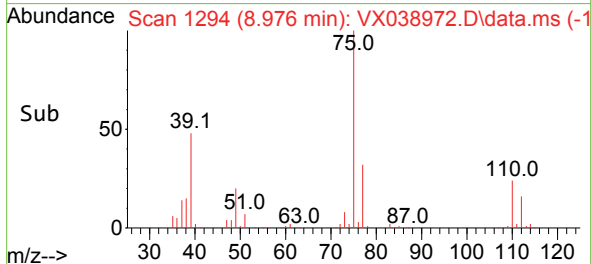
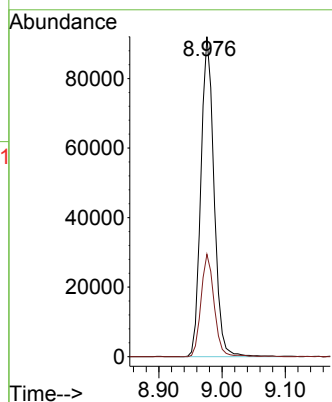
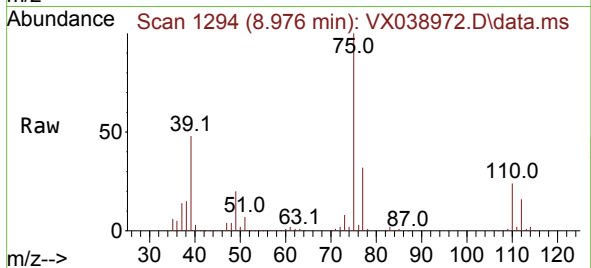
VSTDCCC050EC

Tgt Ion: 75 Resp: 133248

Ion Ratio Lower Upper

75 100

77 32.0 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 46.825 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX038972.D

Acq: 20 Nov 2023 20:26

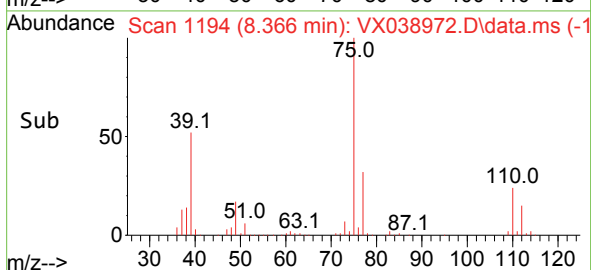
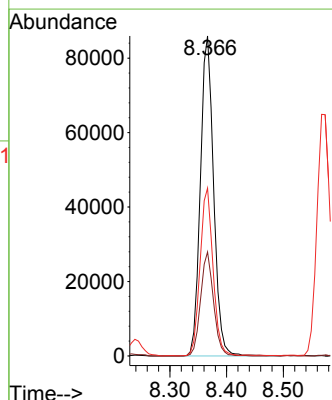
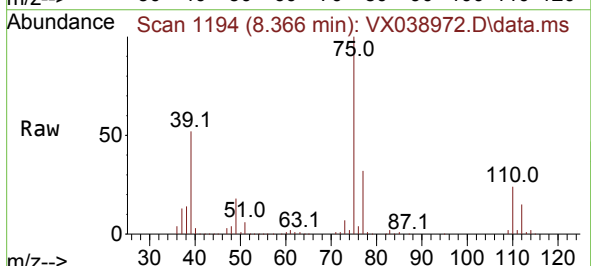
Tgt Ion: 75 Resp: 139244

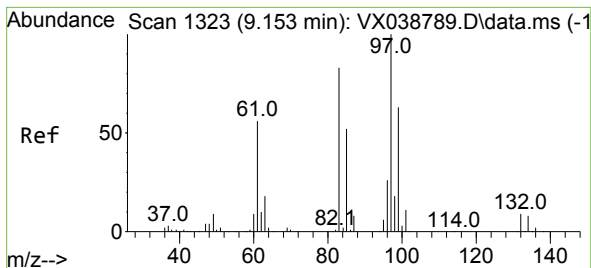
Ion Ratio Lower Upper

75 100

77 32.5 25.3 37.9

39 52.4 46.7 70.1





#55

1,1,2-Trichloroethane

Concen: 48.097 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. 0.000 min

Lab File: VX038972.D

Acq: 20 Nov 2023 20:26

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 84701

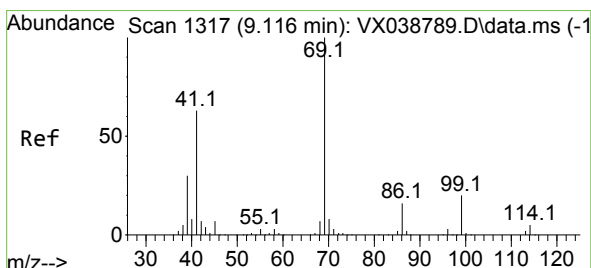
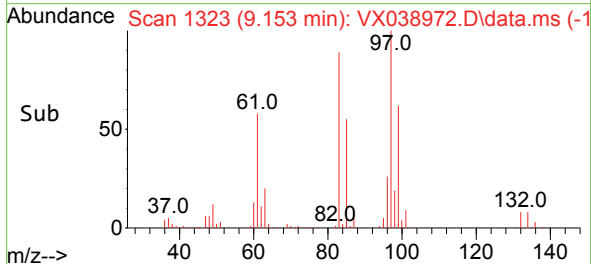
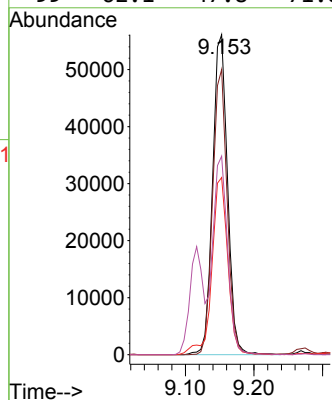
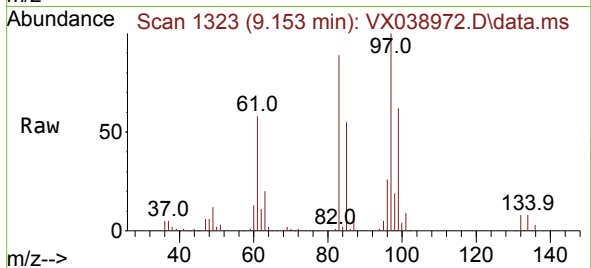
Ion Ratio Lower Upper

97 100

83 89.1 65.8 98.8

85 55.3 41.6 62.4

99 62.1 47.8 71.8



#56

Ethyl methacrylate

Concen: 47.629 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX038972.D

Acq: 20 Nov 2023 20:26

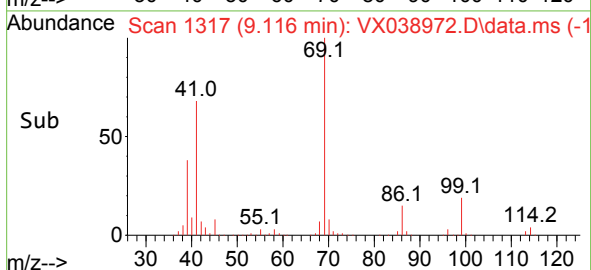
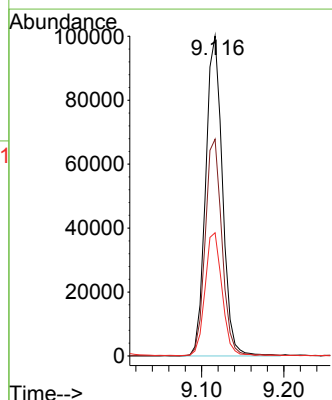
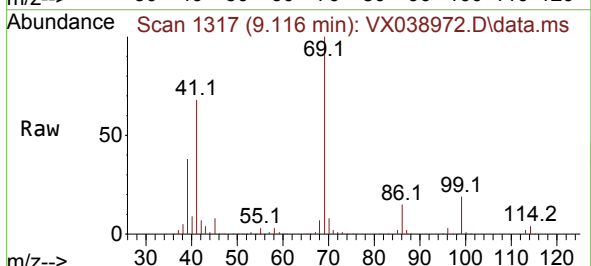
Tgt Ion: 69 Resp: 141916

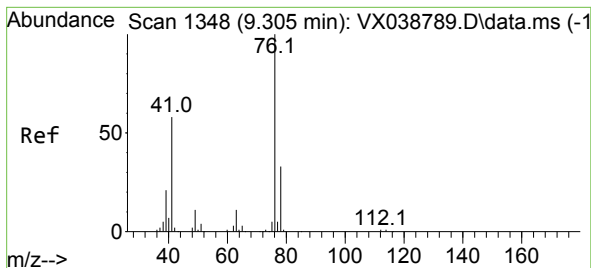
Ion Ratio Lower Upper

69 100

41 67.3 56.8 85.2

39 38.8 32.0 48.0





#57

1,3-Dichloropropane

Concen: 48.246 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX038972.D

Acq: 20 Nov 2023 20:26

Instrument :

MSVOA\_X

ClientSampleId :

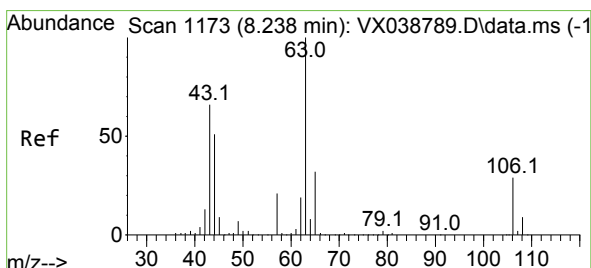
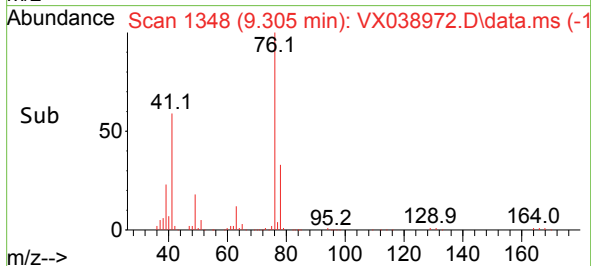
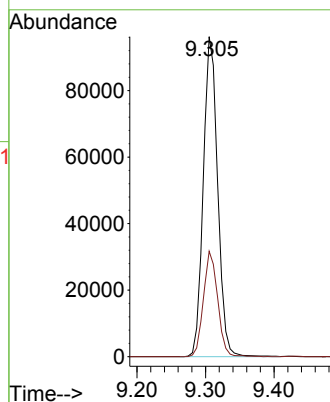
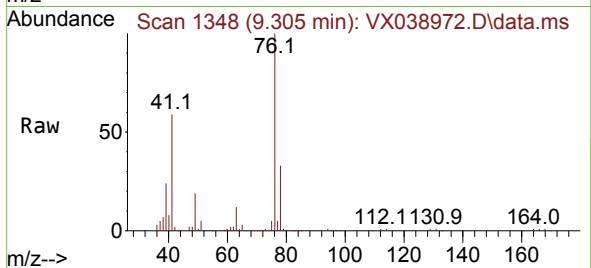
VSTDCCC050EC

Tgt Ion: 76 Resp: 140517

Ion Ratio Lower Upper

76 100

78 32.7 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 236.987 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX038972.D

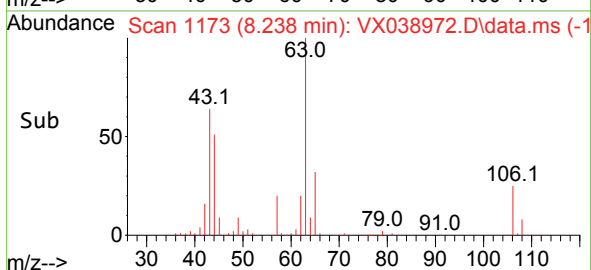
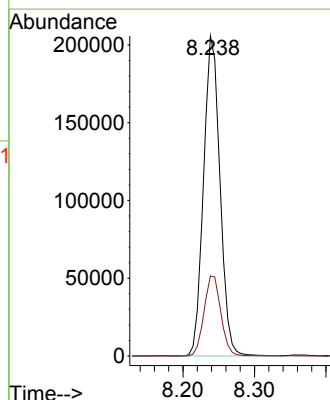
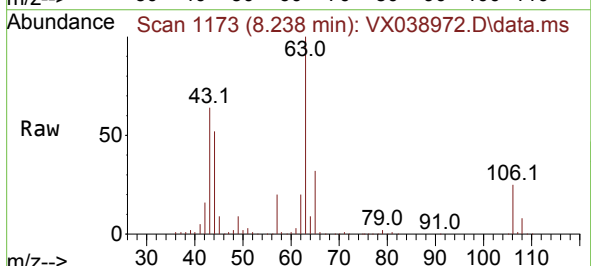
Acq: 20 Nov 2023 20:26

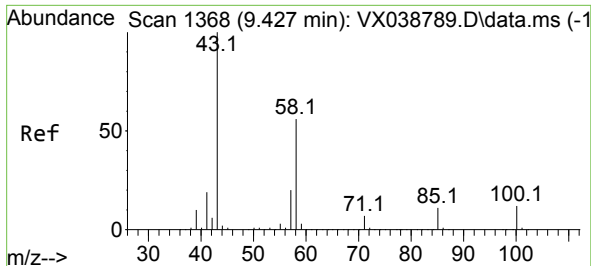
Tgt Ion: 63 Resp: 328948

Ion Ratio Lower Upper

63 100

106 25.6 22.5 33.7

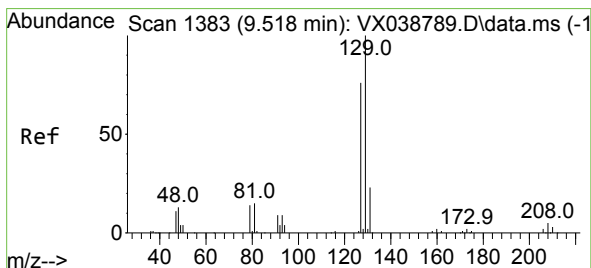
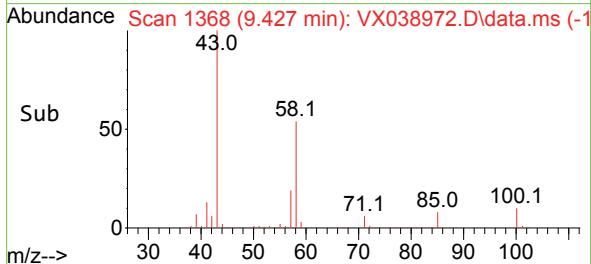
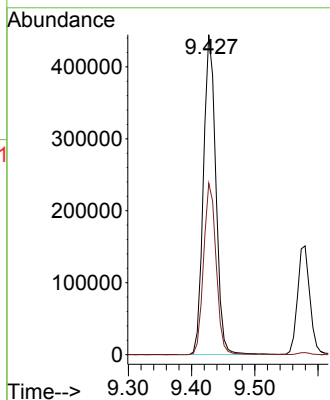
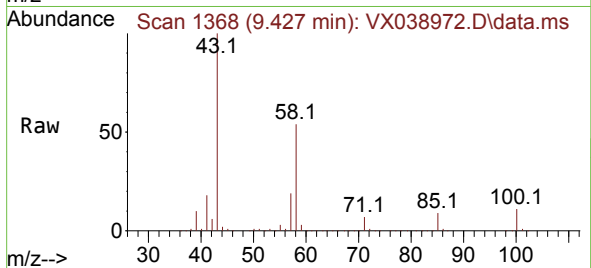




#59  
2-Hexanone  
Concen: 248.159 ug/l  
RT: 9.427 min Scan# 1368  
Delta R.T. 0.000 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

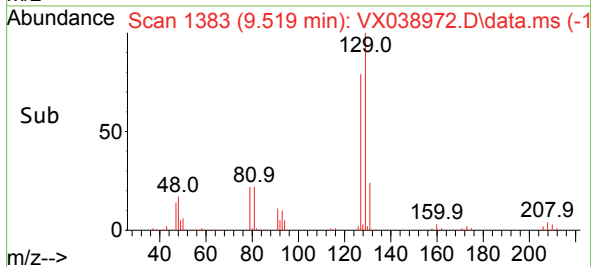
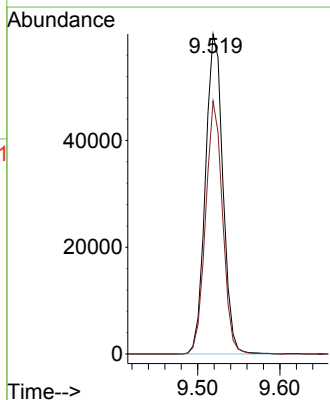
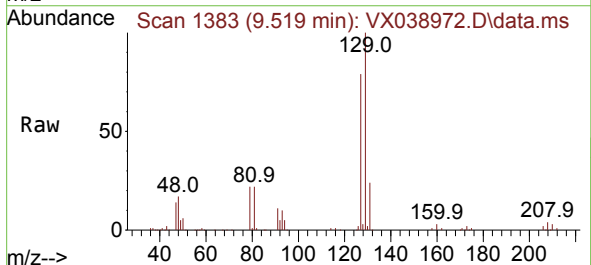
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

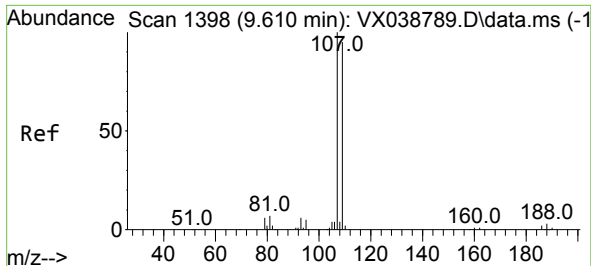
Tgt Ion: 43 Resp: 608605  
Ion Ratio Lower Upper  
43 100  
58 53.9 26.2 78.5



#60  
Dibromochloromethane  
Concen: 49.232 ug/l  
RT: 9.519 min Scan# 1383  
Delta R.T. 0.000 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

Tgt Ion: 129 Resp: 88156  
Ion Ratio Lower Upper  
129 100  
127 77.0 38.8 116.4

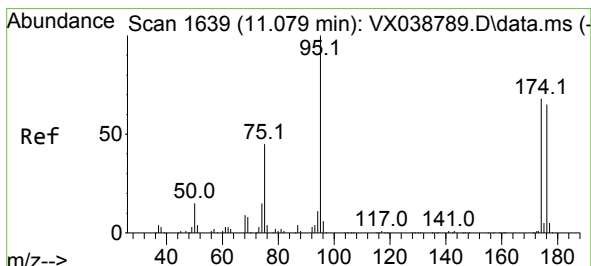
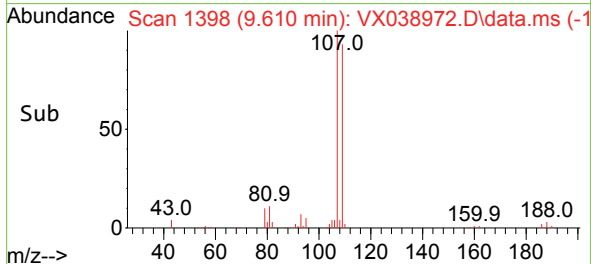
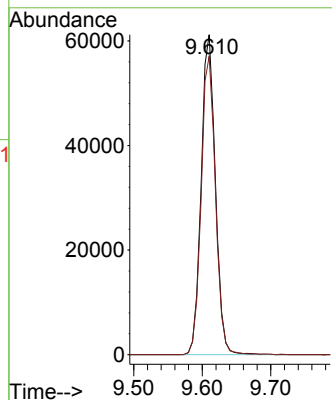
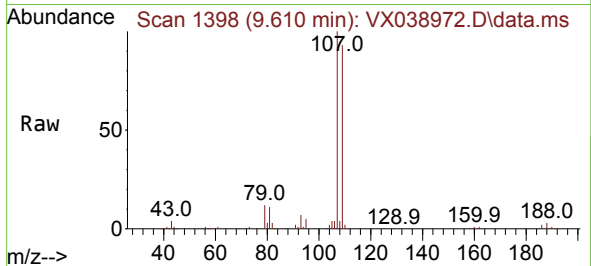




#61  
1,2-Dibromoethane  
Concen: 47.841 ug/l  
RT: 9.610 min Scan# 1398  
Delta R.T. 0.000 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

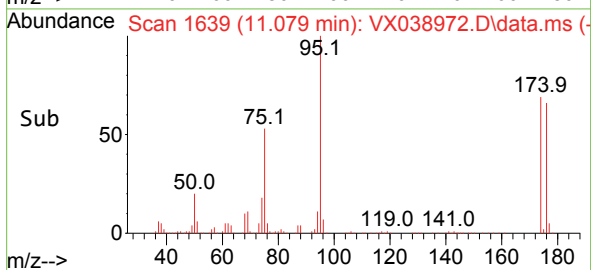
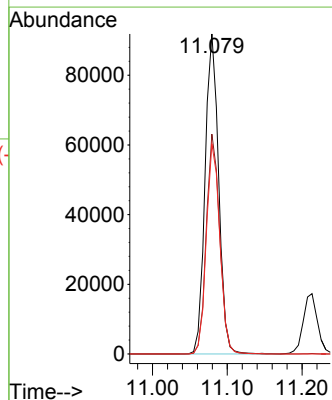
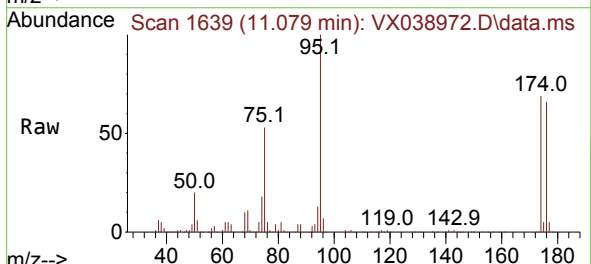
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

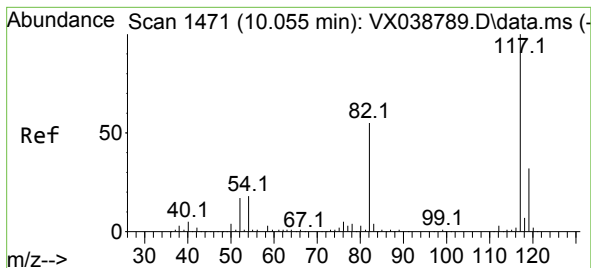
Tgt Ion:107 Resp: 88408  
Ion Ratio Lower Upper  
107 100  
109 93.9 75.2 112.8



#62  
4-Bromofluorobenzene  
Concen: 47.007 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

Tgt Ion: 95 Resp: 115513  
Ion Ratio Lower Upper  
95 100  
174 68.1 0.0 135.6  
176 65.5 0.0 131.0

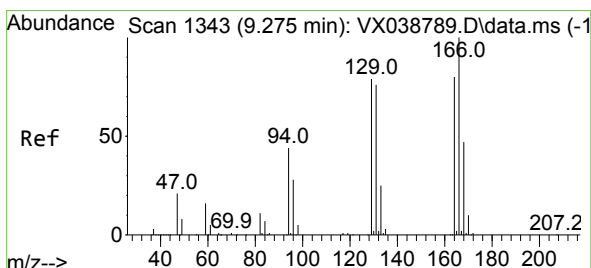
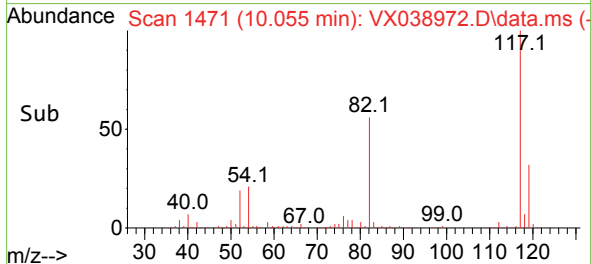
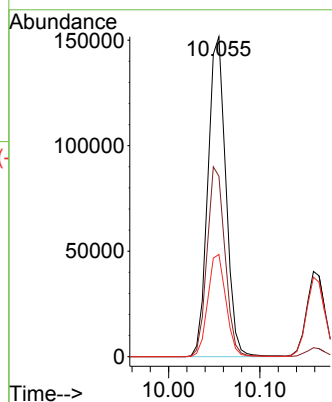
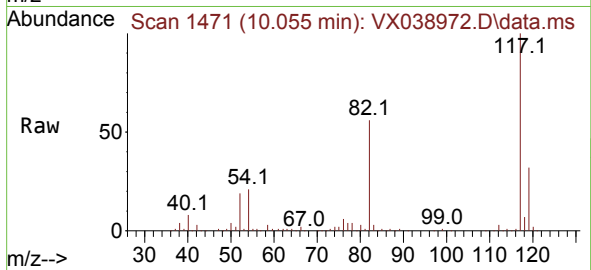




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

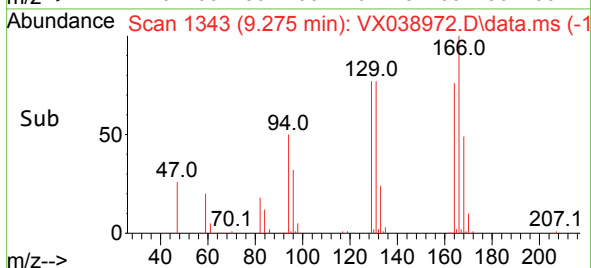
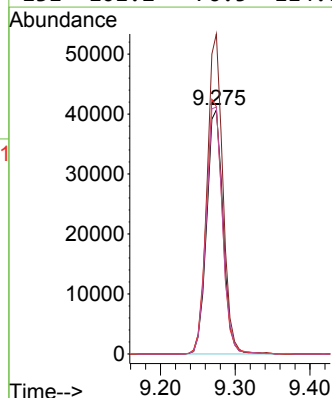
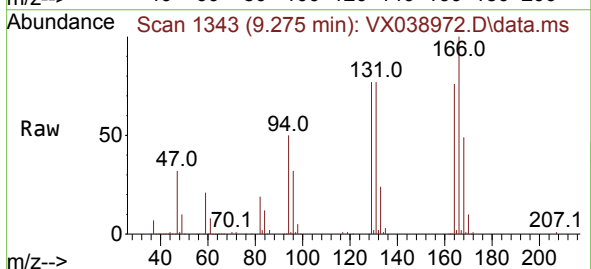
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

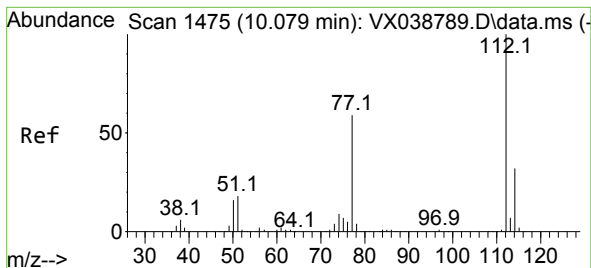
Tgt Ion:117 Resp: 207327  
Ion Ratio Lower Upper  
117 100  
82 56.4 46.2 69.4  
119 31.9 25.5 38.3



#64  
Tetrachloroethene  
Concen: 47.769 ug/l  
RT: 9.275 min Scan# 1343  
Delta R.T. 0.000 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

Tgt Ion:164 Resp: 61560  
Ion Ratio Lower Upper  
164 100  
166 131.2 102.7 154.1  
129 101.4 80.4 120.6  
131 101.2 76.5 114.7





#65

Chlorobenzene

Concen: 47.011 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX038972.D

Acq: 20 Nov 2023 20:26

Instrument :

MSVOA\_X

ClientSampleId :

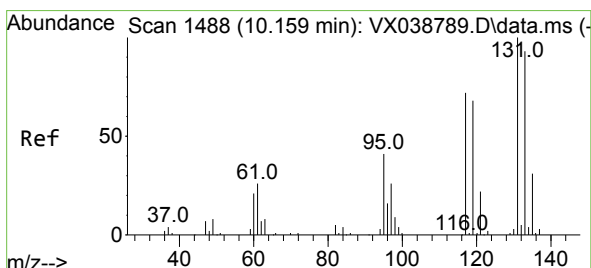
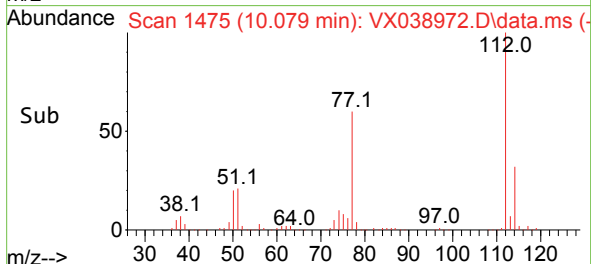
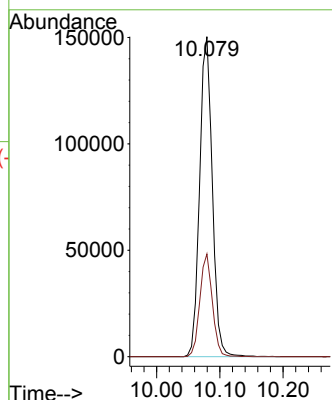
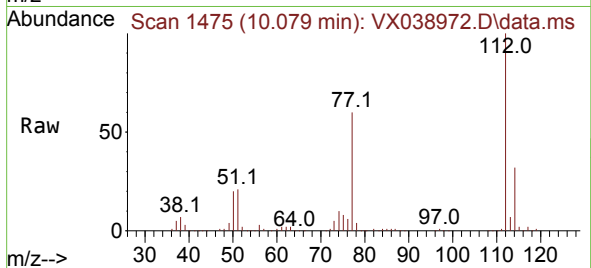
VSTDCCC050EC

Tgt Ion:112 Resp: 209954

Ion Ratio Lower Upper

112 100

114 32.1 25.7 38.5



#66

1,1,1,2-Tetrachloroethane

Concen: 47.673 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. 0.000 min

Lab File: VX038972.D

Acq: 20 Nov 2023 20:26

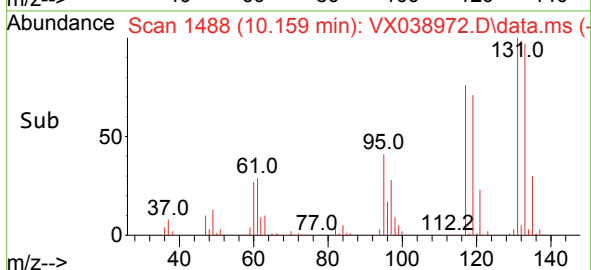
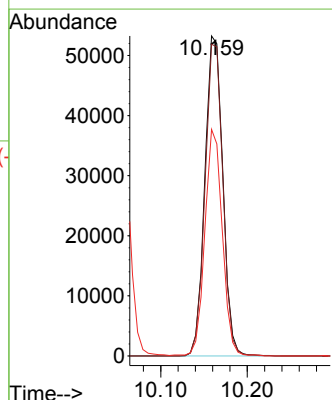
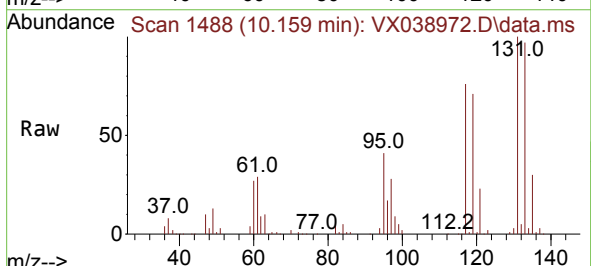
Tgt Ion:131 Resp: 76587

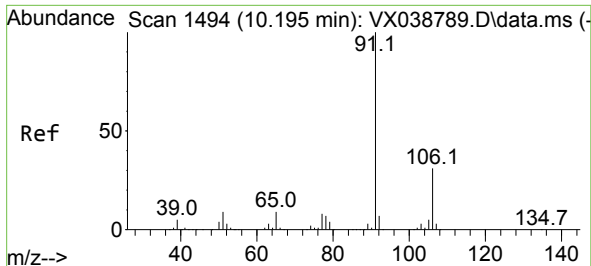
Ion Ratio Lower Upper

131 100

133 96.8 47.1 141.4

119 68.9 32.2 96.6





#67

Ethyl Benzene

Concen: 47.406 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX038972.D

Acq: 20 Nov 2023 20:26

Instrument :

MSVOA\_X

ClientSampleId :

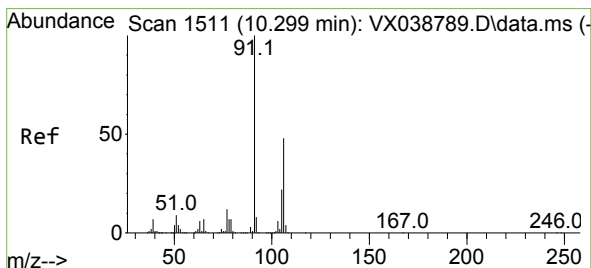
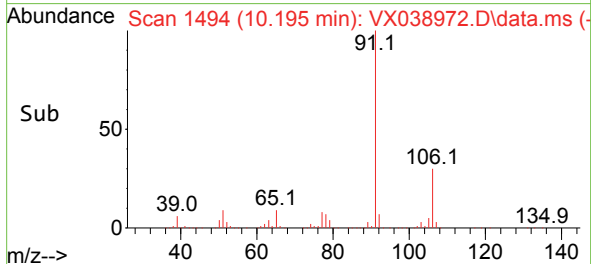
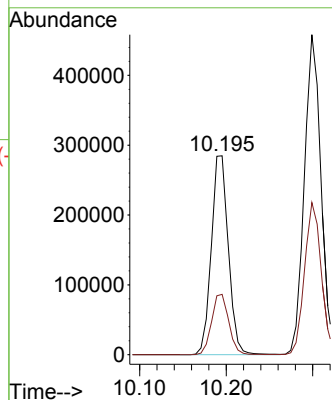
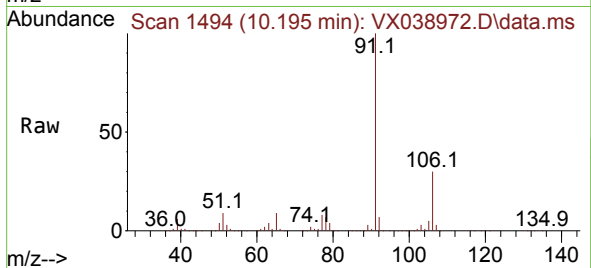
VSTDCCC050EC

Tgt Ion: 91 Resp: 388978

Ion Ratio Lower Upper

91 100

106 30.4 24.9 37.3



#68

m/p-Xylenes

Concen: 94.644 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX038972.D

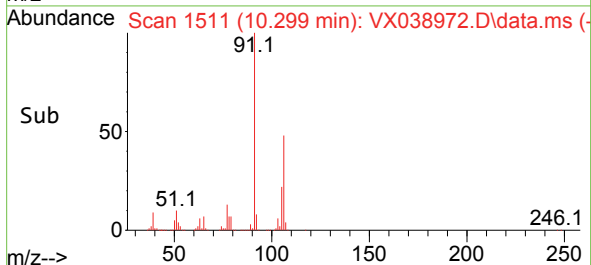
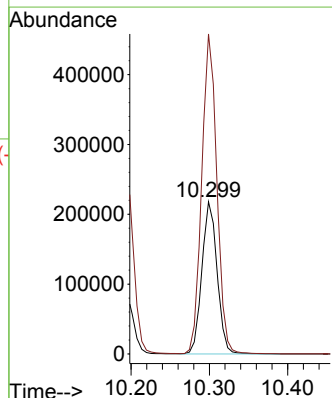
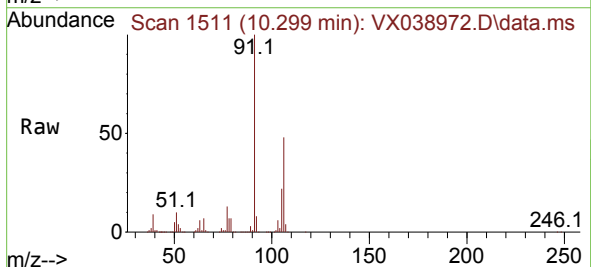
Acq: 20 Nov 2023 20:26

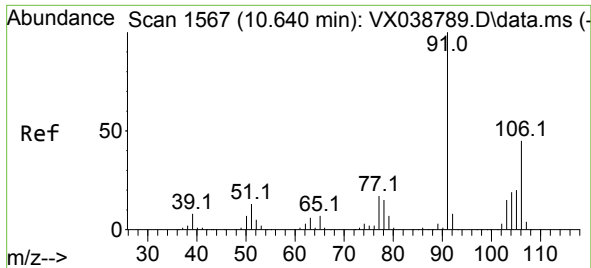
Tgt Ion: 106 Resp: 293763

Ion Ratio Lower Upper

106 100

91 209.2 165.5 248.3

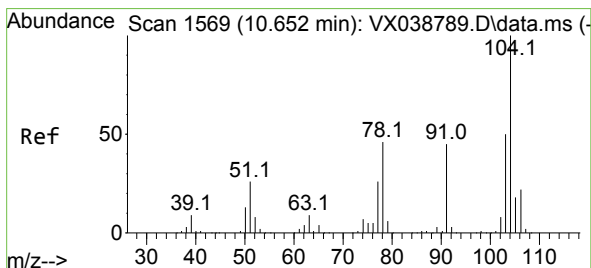
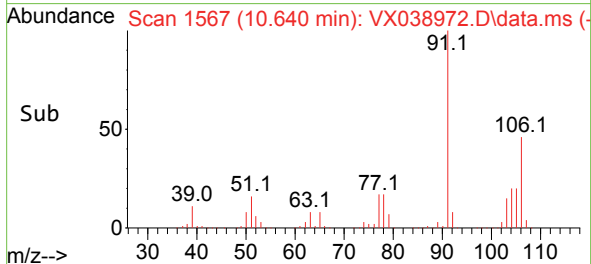
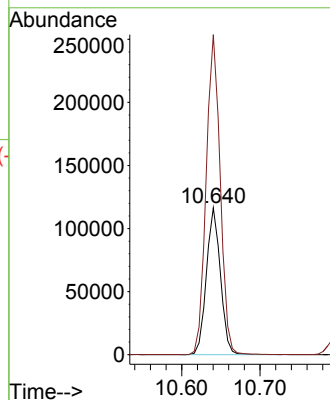
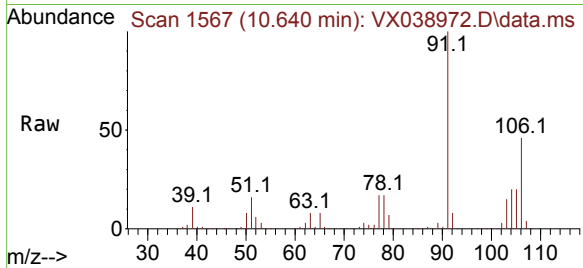




#69  
o-Xylene  
Concen: 46.953 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. 0.000 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

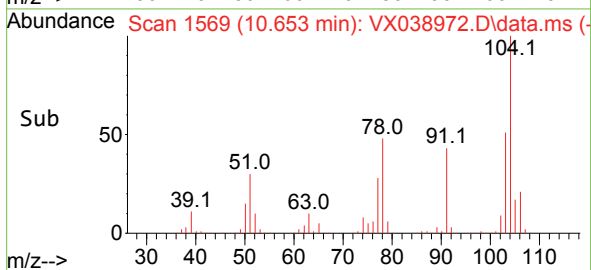
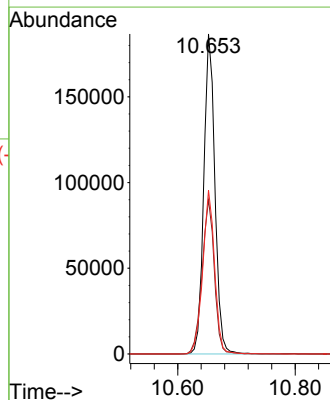
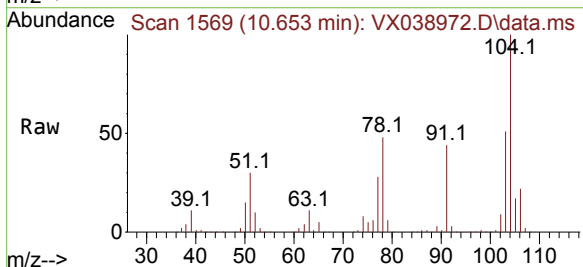
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

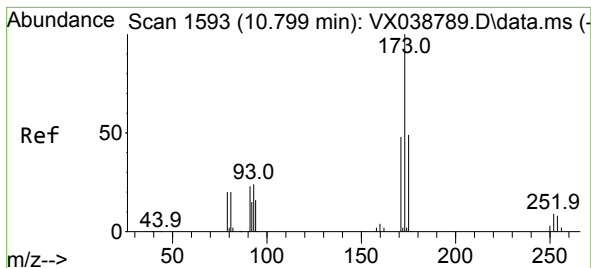
Tgt Ion:106 Resp: 144206  
Ion Ratio Lower Upper  
106 100  
91 218.5 108.9 326.8



#70  
Styrene  
Concen: 47.411 ug/l  
RT: 10.653 min Scan# 1569  
Delta R.T. 0.000 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

Tgt Ion:104 Resp: 245916  
Ion Ratio Lower Upper  
104 100  
78 53.2 43.6 65.4  
103 54.8 43.6 65.4





#71

Bromoform

Concen: 48.731 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX038972.D

Acq: 20 Nov 2023 20:26

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

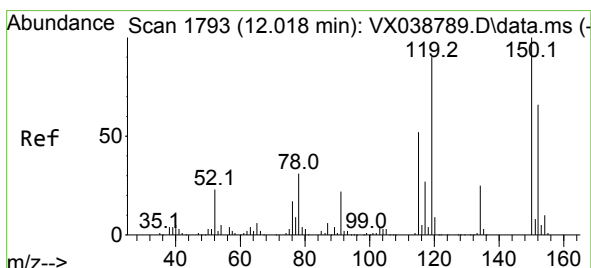
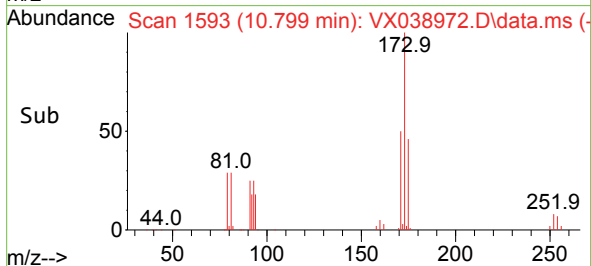
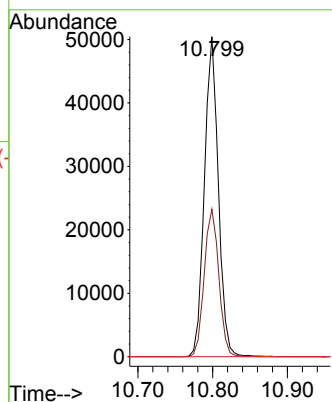
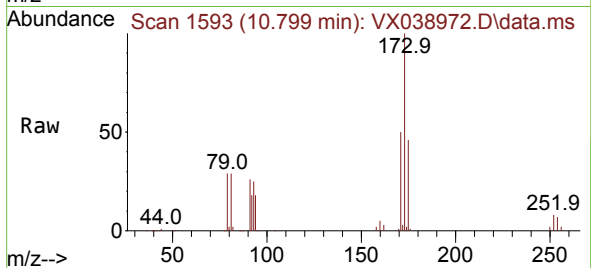
Tgt Ion:173 Resp: 65264

Ion Ratio Lower Upper

173 100

175 48.3 24.1 72.4

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX038972.D

Acq: 20 Nov 2023 20:26

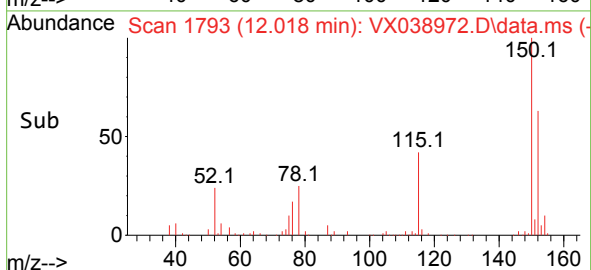
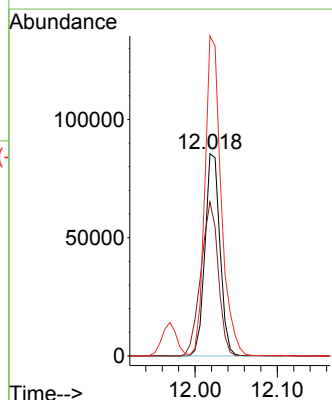
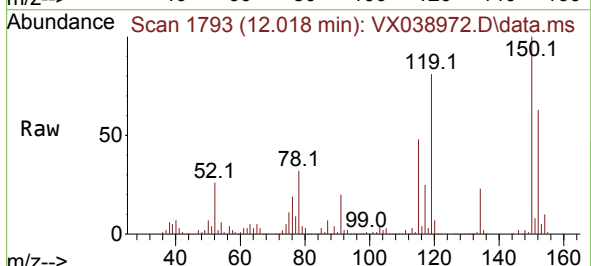
Tgt Ion:152 Resp: 108235

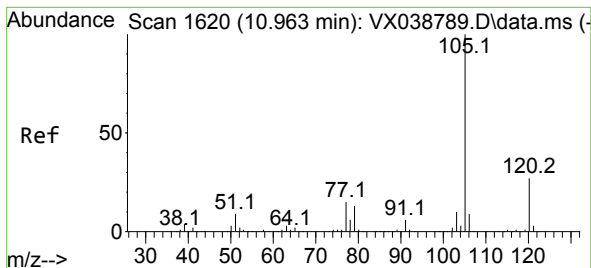
Ion Ratio Lower Upper

152 100

115 88.3 43.3 129.9

150 171.6 0.0 345.0





#73

Isopropylbenzene

Concen: 44.906 ug/l

RT: 10.963 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX038972.D

Acq: 20 Nov 2023 20:26

Instrument :

MSVOA\_X

ClientSampleId :

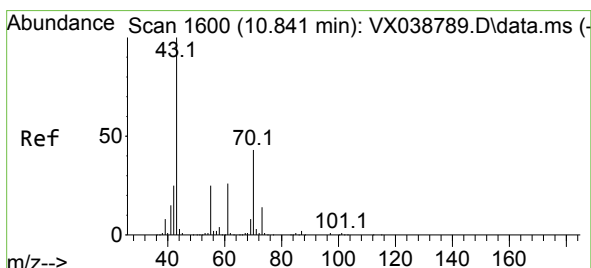
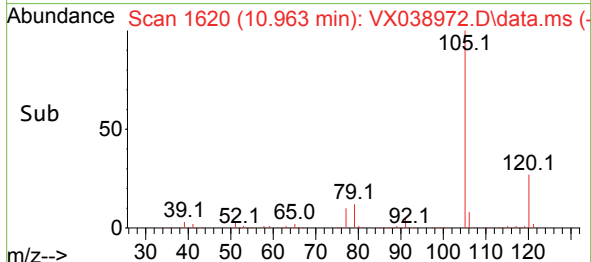
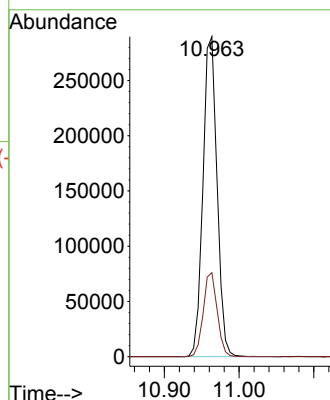
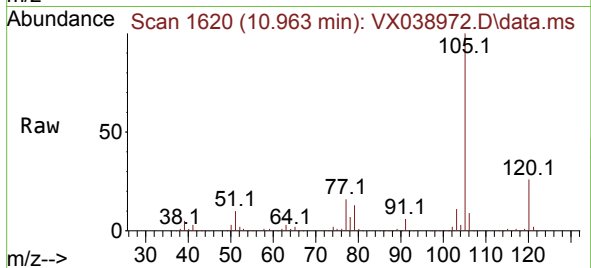
VSTDCCC050EC

Tgt Ion:105 Resp: 378693

Ion Ratio Lower Upper

105 100

120 26.0 12.9 38.6



#74

N-ethyl acetate

Concen: 44.503 ug/l

RT: 10.842 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VX038972.D

Acq: 20 Nov 2023 20:26

Tgt Ion: 43 Resp: 198390

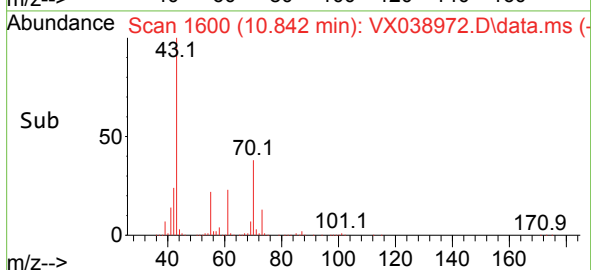
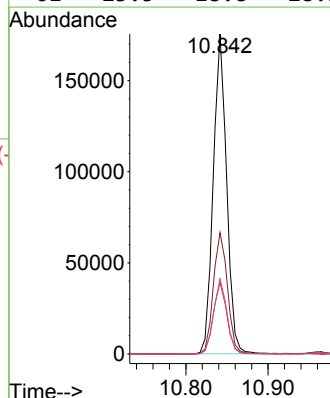
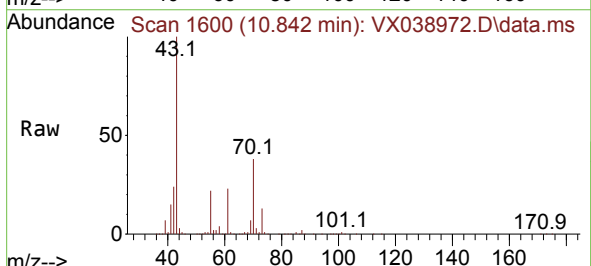
Ion Ratio Lower Upper

43 100

70 40.0 32.9 49.3

55 22.7 19.3 28.9

61 23.5 18.8 28.2





#75

1,1,2,2-Tetrachloroethane

Concen: 44.080 ug/l

RT: 11.213 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX038972.D

Acq: 20 Nov 2023 20:26

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

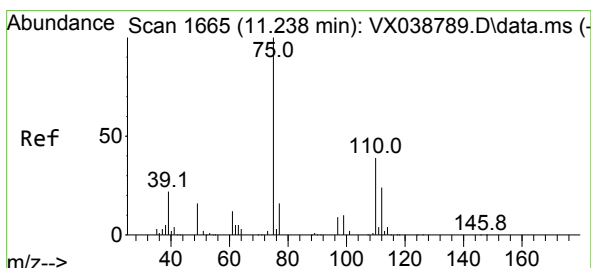
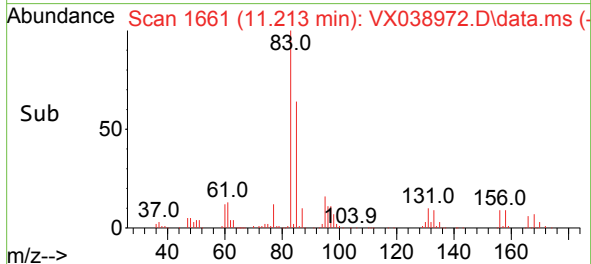
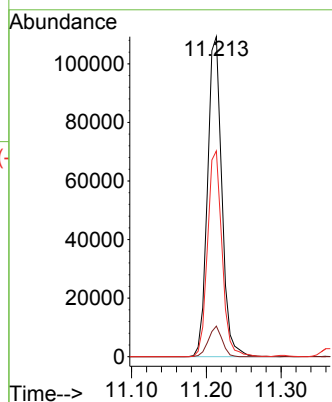
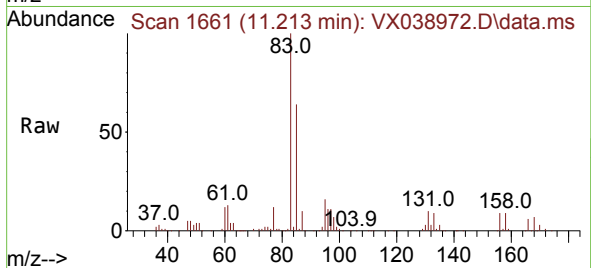
Tgt Ion: 83 Resp: 145108

Ion Ratio Lower Upper

83 100

131 9.2 5.3 15.8

85 64.9 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 63.365 ug/l

RT: 11.238 min Scan# 1665

Delta R.T. 0.000 min

Lab File: VX038972.D

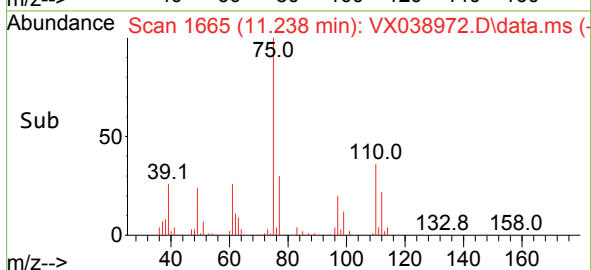
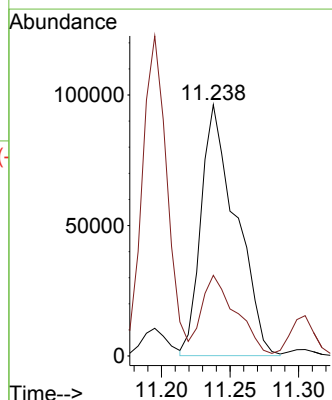
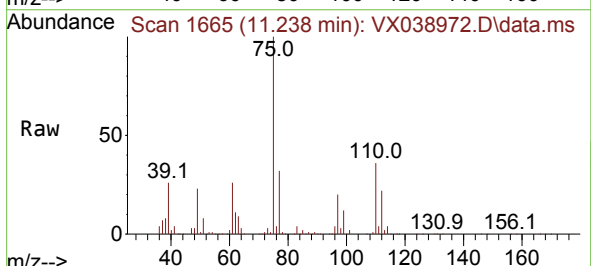
Acq: 20 Nov 2023 20:26

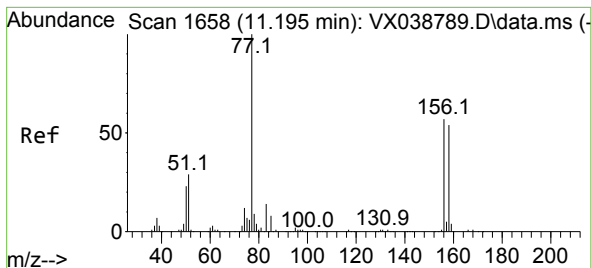
Tgt Ion: 75 Resp: 171113

Ion Ratio Lower Upper

75 100

77 31.7 19.1 57.5





#77

Bromobenzene

Concen: 45.456 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VX038972.D

Acq: 20 Nov 2023 20:26

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

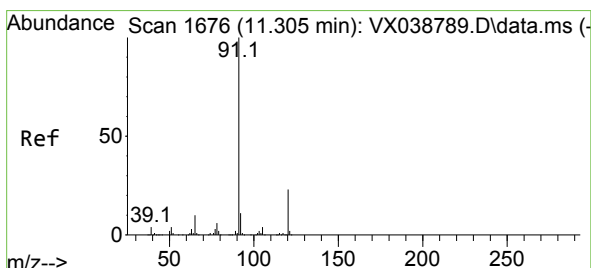
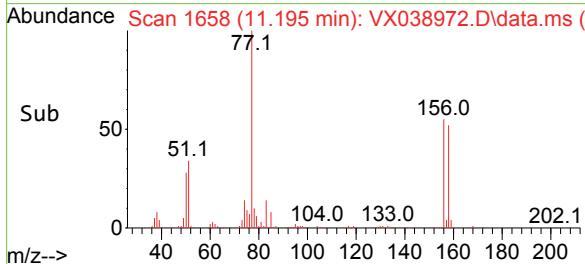
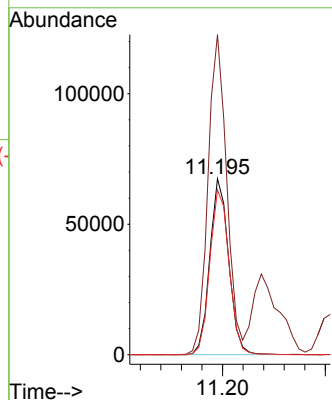
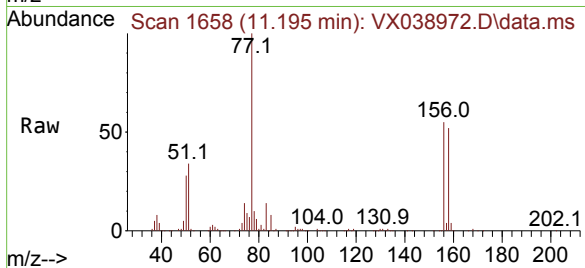
Tgt Ion:156 Resp: 86134

Ion Ratio Lower Upper

156 100

77 179.7 88.4 265.3

158 95.3 48.0 144.0



#78

n-propylbenzene

Concen: 45.091 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX038972.D

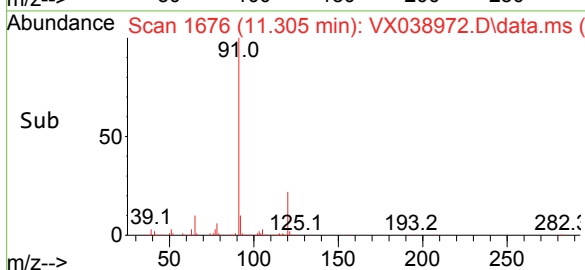
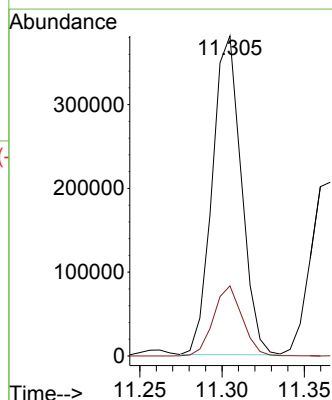
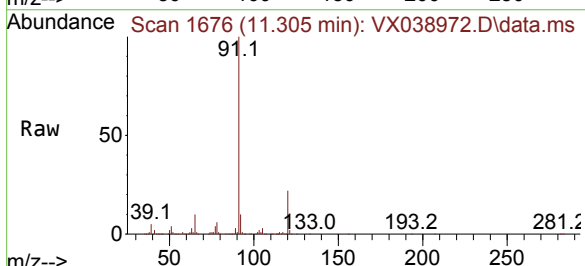
Acq: 20 Nov 2023 20:26

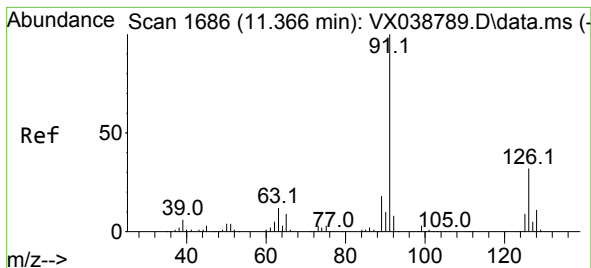
Tgt Ion: 91 Resp: 468049

Ion Ratio Lower Upper

91 100

120 21.8 11.5 34.4





#79

2-Chlorotoluene

Concen: 44.223 ug/l

RT: 11.366 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX038972.D

Acq: 20 Nov 2023 20:26

Instrument :

MSVOA\_X

ClientSampleId :

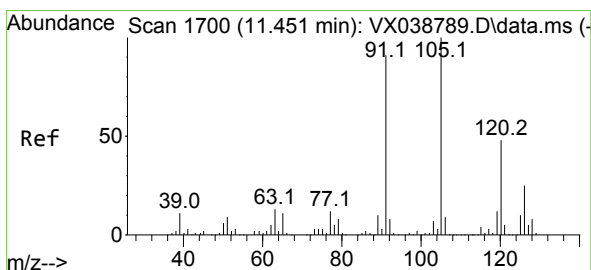
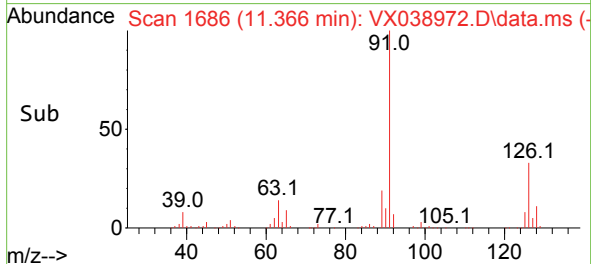
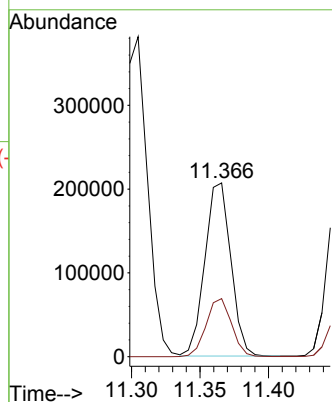
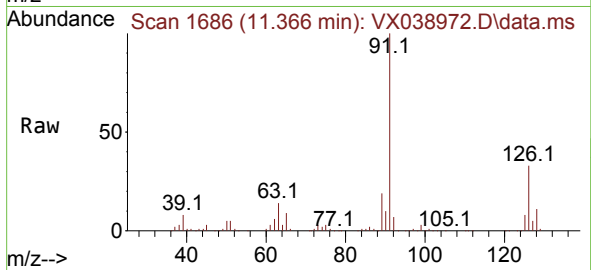
VSTDCCC050EC

Tgt Ion: 91 Resp: 272426

Ion Ratio Lower Upper

91 100

126 33.0 16.3 48.8



#80

1,3,5-Trimethylbenzene

Concen: 46.319 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX038972.D

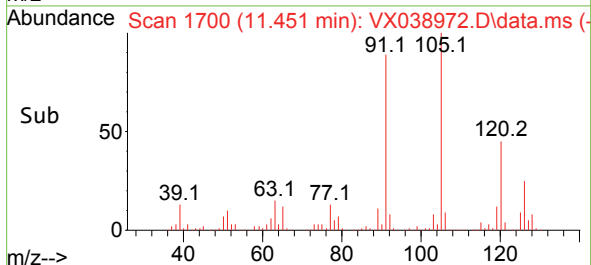
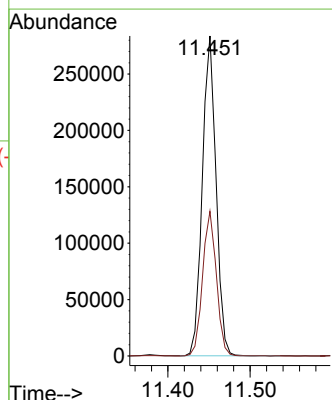
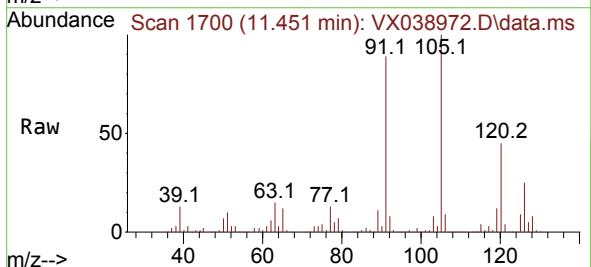
Acq: 20 Nov 2023 20:26

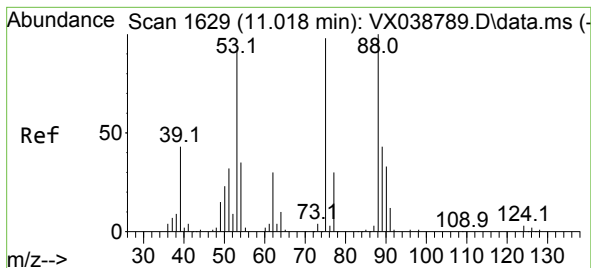
Tgt Ion: 105 Resp: 328429

Ion Ratio Lower Upper

105 100

120 45.5 24.1 72.3

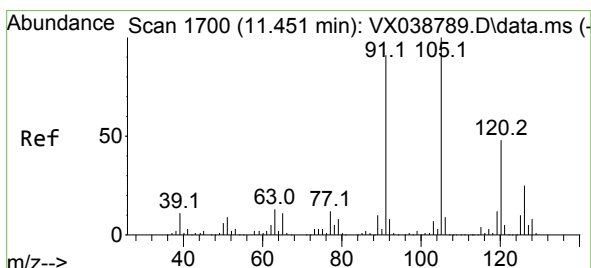
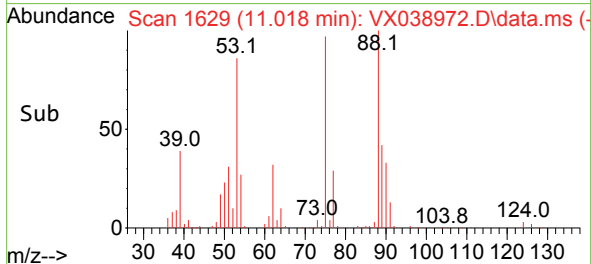
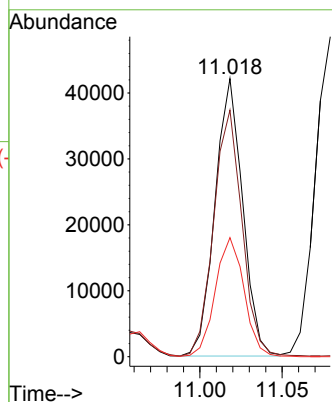
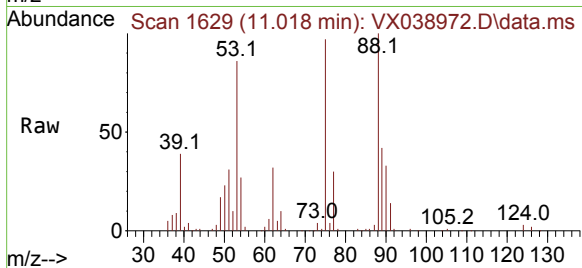




#81  
trans-1,4-Dichloro-2-butene  
Concen: 40.373 ug/l  
RT: 11.018 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

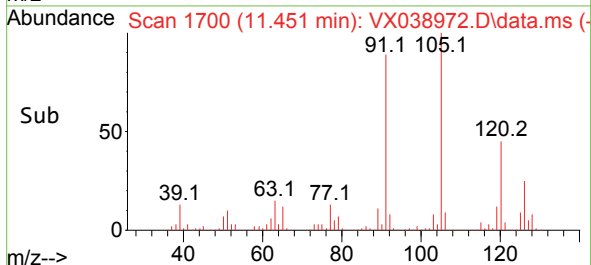
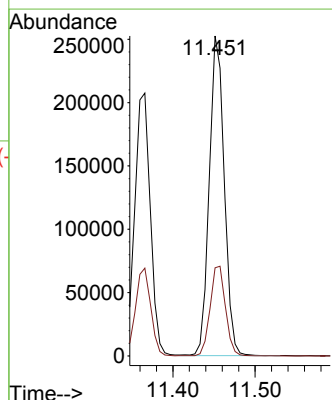
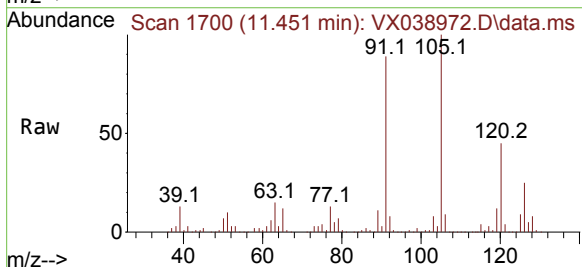
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

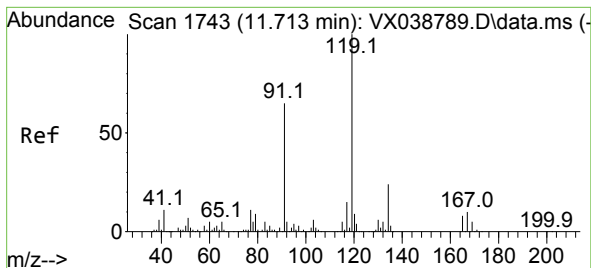
Tgt Ion: 75 Resp: 49152  
Ion Ratio Lower Upper  
75 100  
53 91.9 90.5 135.7  
89 44.7 36.9 55.3



#82  
4-Chlorotoluene  
Concen: 45.060 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. 0.000 min  
Lab File: VX038972.D  
Acq: 20 Nov 2023 20:26

Tgt Ion: 91 Resp: 320065  
Ion Ratio Lower Upper  
91 100  
126 28.6 14.2 42.6





#83

tert-Butylbenzene

Concen: 45.657 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX038972.D

Acq: 20 Nov 2023 20:26

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

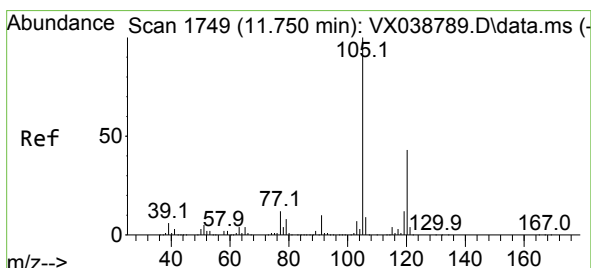
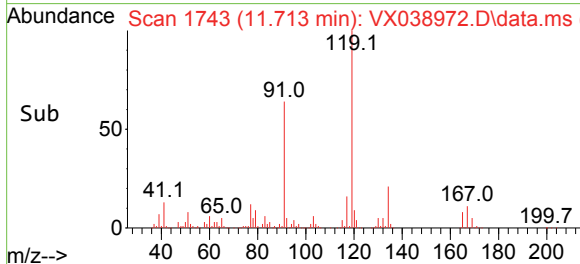
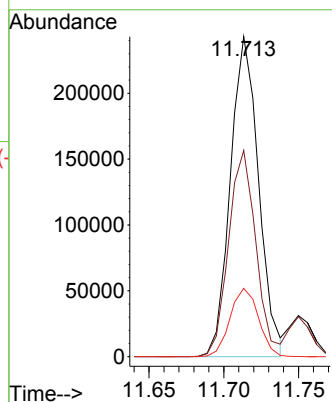
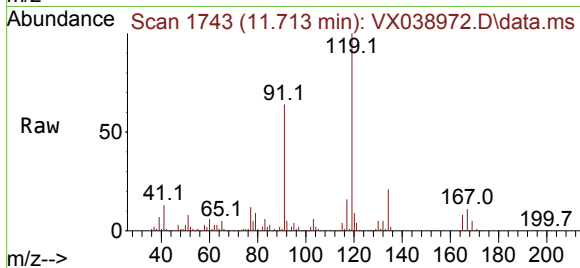
Tgt Ion:119 Resp: 318839

Ion Ratio Lower Upper

119 100

91 62.6 31.2 93.6

134 21.6 11.7 35.0



#84

1,2,4-Trimethylbenzene

Concen: 45.737 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX038972.D

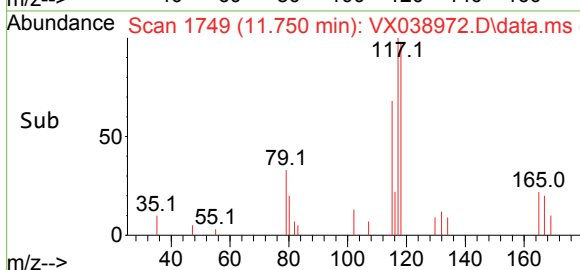
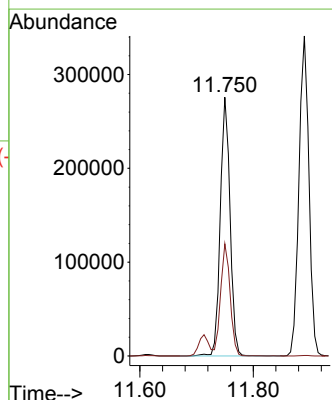
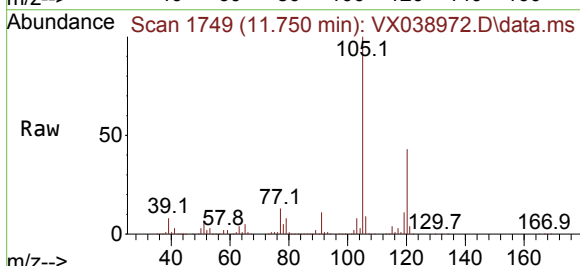
Acq: 20 Nov 2023 20:26

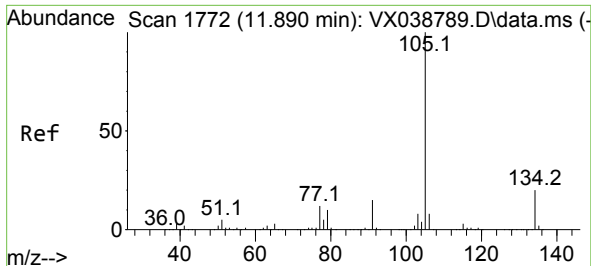
Tgt Ion:105 Resp: 328248

Ion Ratio Lower Upper

105 100

120 41.8 21.2 63.6

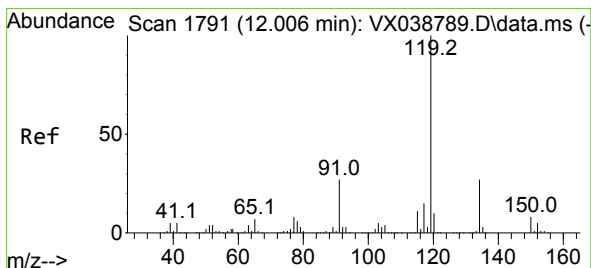
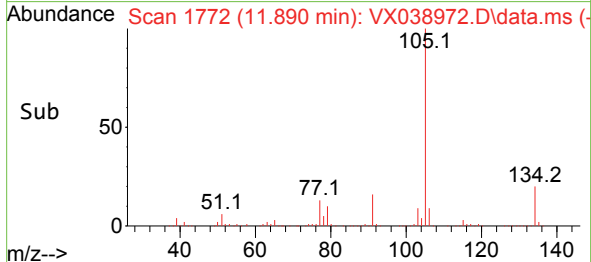
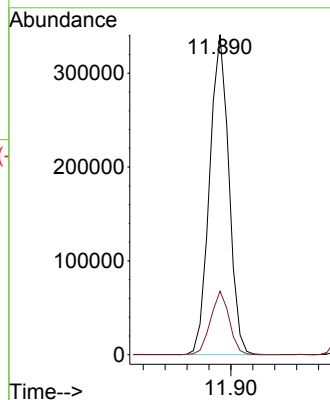
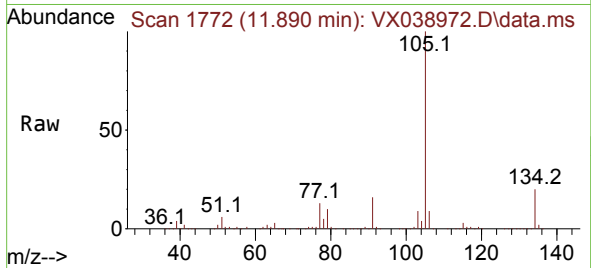




#85  
 sec-Butylbenzene  
 Concen: 45.458 ug/l  
 RT: 11.890 min Scan# 1772  
 Delta R.T. 0.000 min  
 Lab File: VX038972.D  
 Acq: 20 Nov 2023 20:26

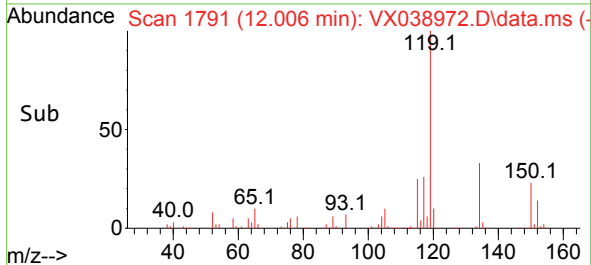
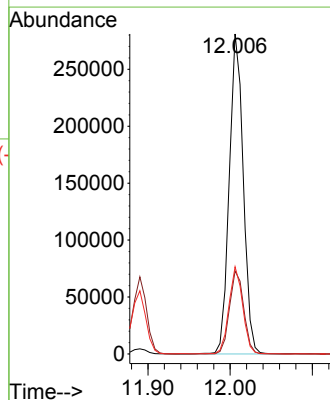
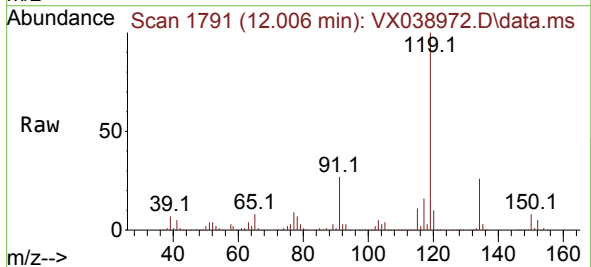
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

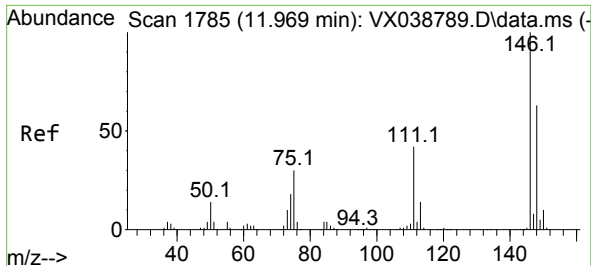
Tgt Ion:105 Resp: 415238  
 Ion Ratio Lower Upper  
 105 100  
 134 19.2 9.8 29.4



#86  
 p-Isopropyltoluene  
 Concen: 45.328 ug/l  
 RT: 12.006 min Scan# 1791  
 Delta R.T. 0.000 min  
 Lab File: VX038972.D  
 Acq: 20 Nov 2023 20:26

Tgt Ion:119 Resp: 332376  
 Ion Ratio Lower Upper  
 119 100  
 134 26.4 12.8 38.3  
 91 26.8 13.1 39.3





#87

1,3-Dichlorobenzene

Concen: 45.644 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX038972.D

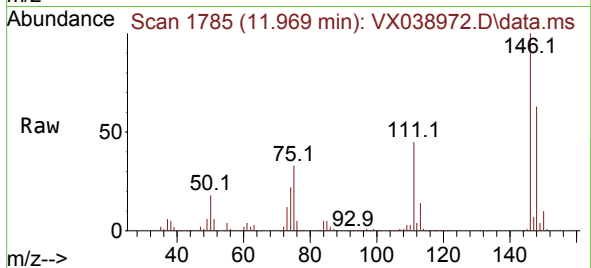
Acq: 20 Nov 2023 20:26

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC



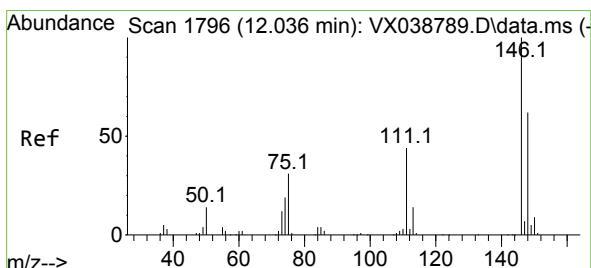
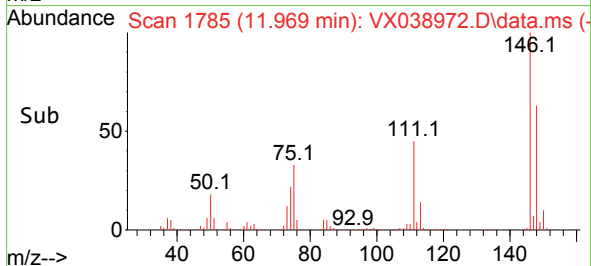
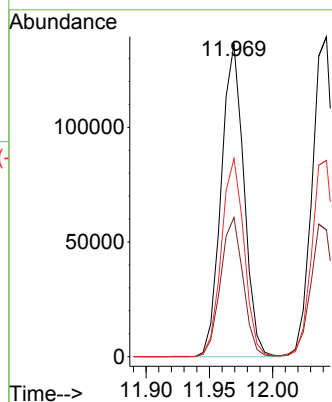
Tgt Ion:146 Resp: 169368

Ion Ratio Lower Upper

146 100

111 44.4 22.1 66.1

148 63.4 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 45.487 ug/l

RT: 12.043 min Scan# 1797

Delta R.T. 0.006 min

Lab File: VX038972.D

Acq: 20 Nov 2023 20:26

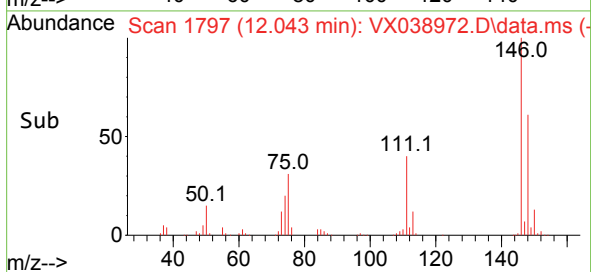
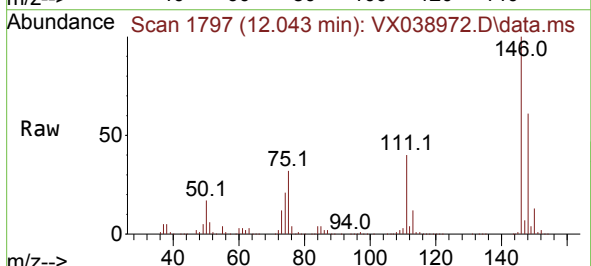
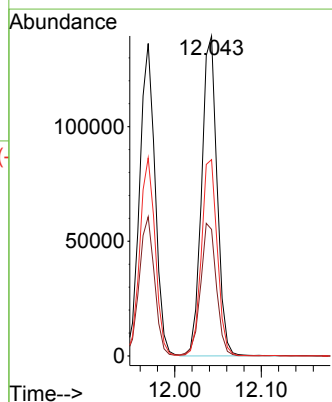
Tgt Ion:146 Resp: 172750

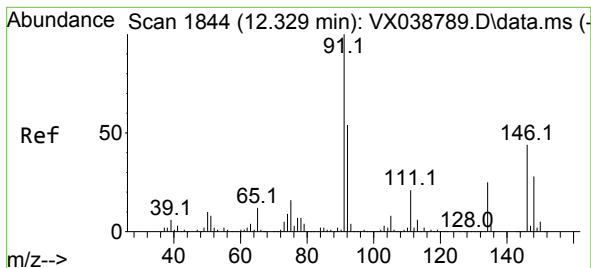
Ion Ratio Lower Upper

146 100

111 42.5 21.3 63.7

148 63.1 31.8 95.4





#89

n-Butylbenzene

Concen: 43.798 ug/l

RT: 12.329 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX038972.D

Acq: 20 Nov 2023 20:26

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

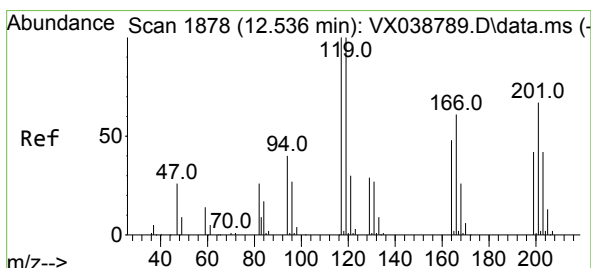
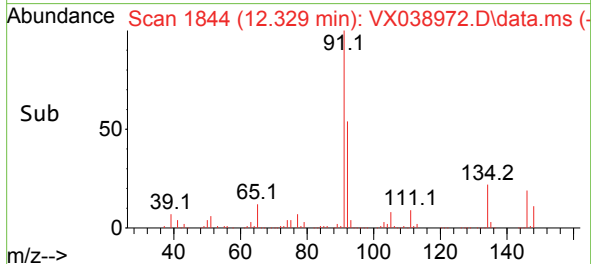
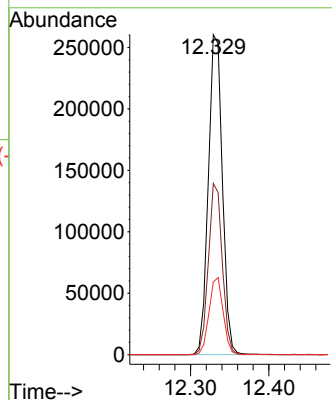
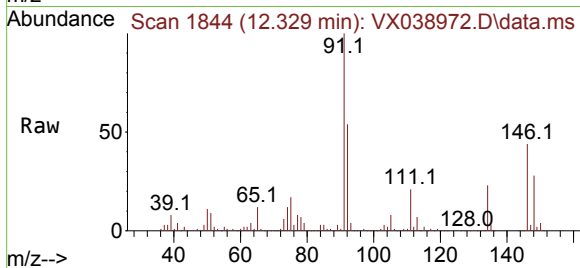
Tgt Ion: 91 Resp: 324027

Ion Ratio Lower Upper

91 100

92 52.9 27.4 82.0

134 24.1 12.6 37.8



#90

Hexachloroethane

Concen: 44.512 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX038972.D

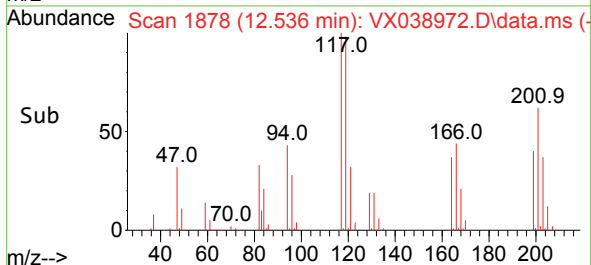
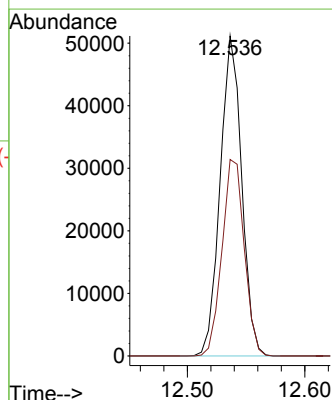
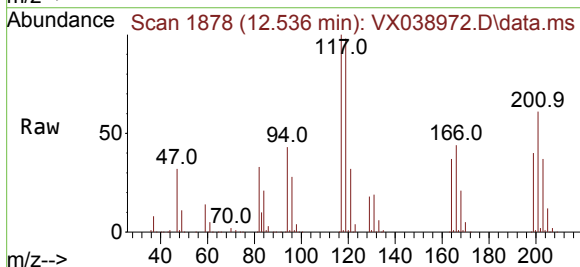
Acq: 20 Nov 2023 20:26

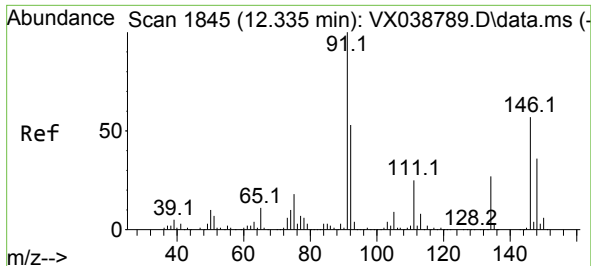
Tgt Ion: 117 Resp: 65180

Ion Ratio Lower Upper

117 100

201 63.6 32.9 98.6

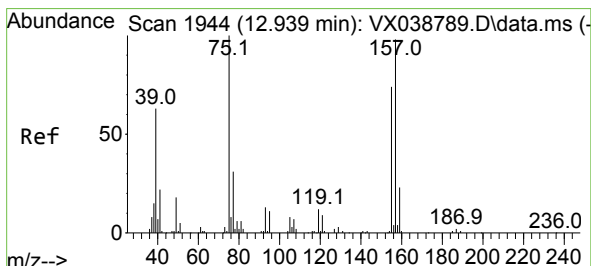
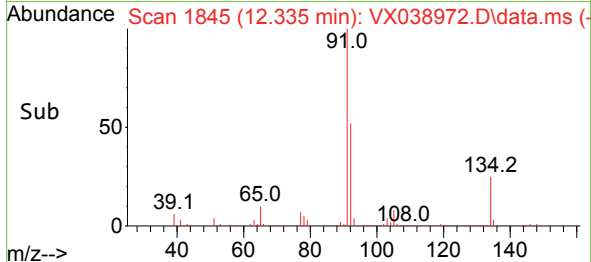
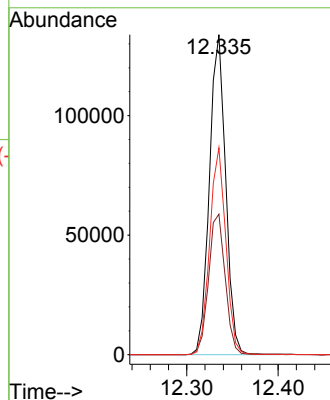
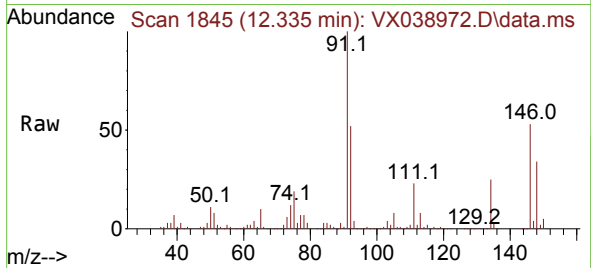




#91  
 1,2-Dichlorobenzene  
 Concen: 46.892 ug/l  
 RT: 12.335 min Scan# 1845  
 Delta R.T. 0.000 min  
 Lab File: VX038972.D  
 Acq: 20 Nov 2023 20:26

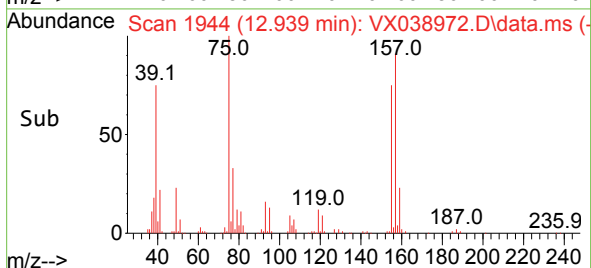
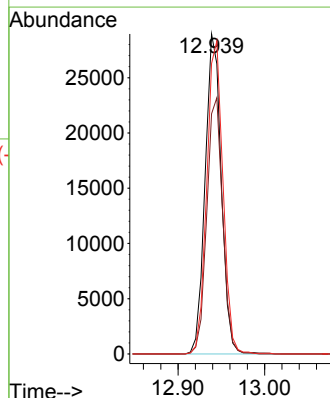
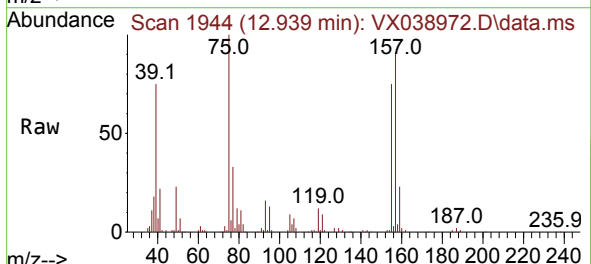
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

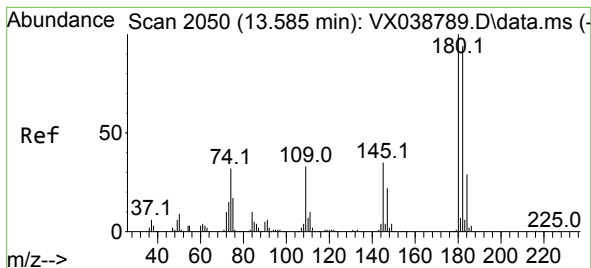
Tgt Ion:146 Resp: 165032  
 Ion Ratio Lower Upper  
 146 100  
 111 45.0 22.4 67.0  
 148 64.4 31.6 95.0



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 46.416 ug/l  
 RT: 12.939 min Scan# 1944  
 Delta R.T. 0.000 min  
 Lab File: VX038972.D  
 Acq: 20 Nov 2023 20:26

Tgt Ion: 75 Resp: 37436  
 Ion Ratio Lower Upper  
 75 100  
 155 78.9 36.1 108.5  
 157 98.0 44.9 134.7





#93

1,2,4-Trichlorobenzene

Concen: 45.044 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX038972.D

Acq: 20 Nov 2023 20:26

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

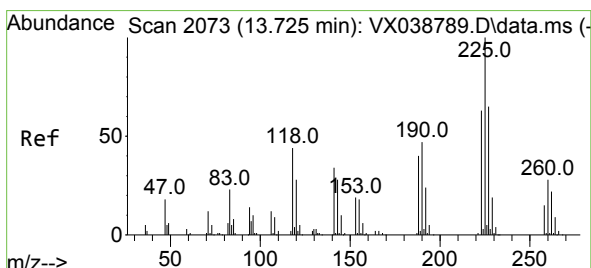
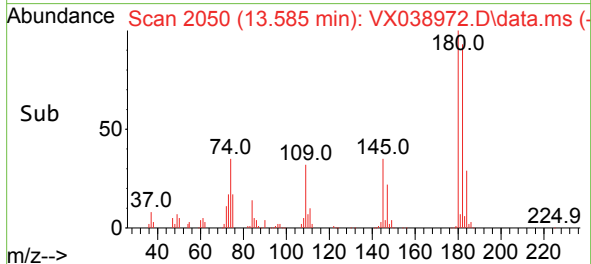
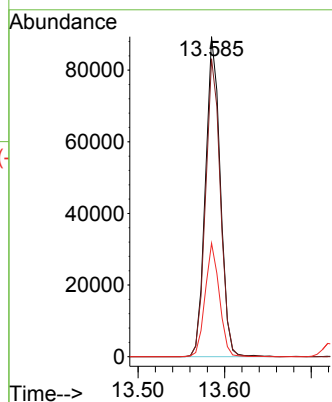
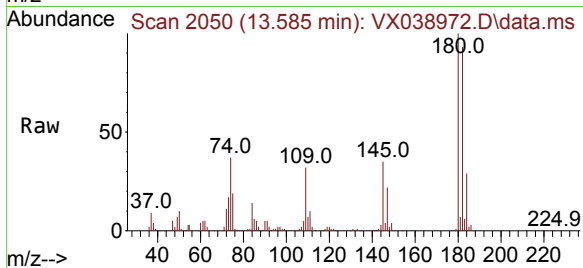
Tgt Ion:180 Resp: 106233

Ion Ratio Lower Upper

180 100

182 93.3 48.3 144.8

145 34.0 18.0 54.0



#94

Hexachlorobutadiene

Concen: 43.917 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX038972.D

Acq: 20 Nov 2023 20:26

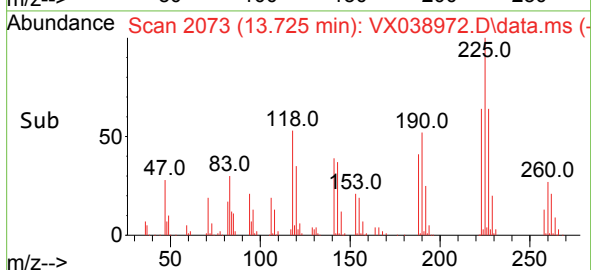
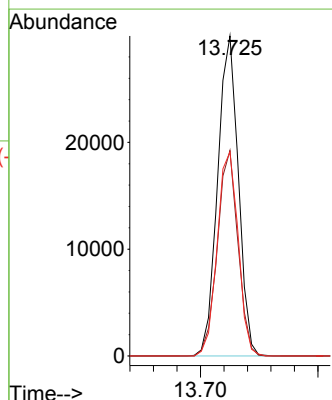
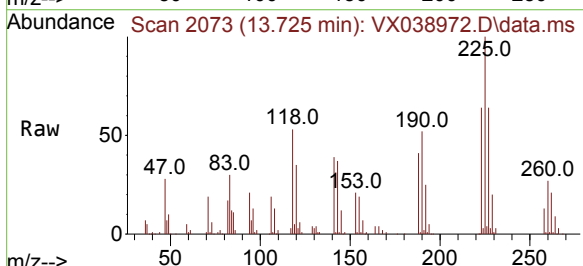
Tgt Ion:225 Resp: 36679

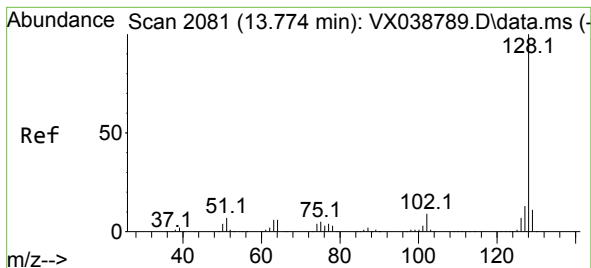
Ion Ratio Lower Upper

225 100

223 63.7 31.1 93.2

227 64.6 32.5 97.5





#95

Naphthalene

Concen: 44.770 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX038972.D

Acq: 20 Nov 2023 20:26

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

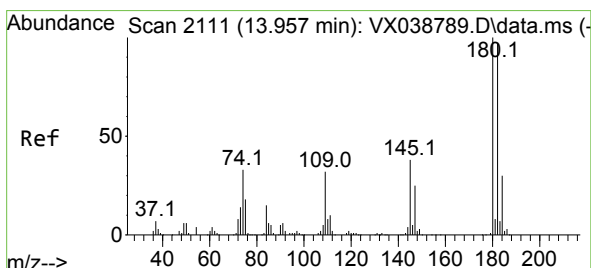
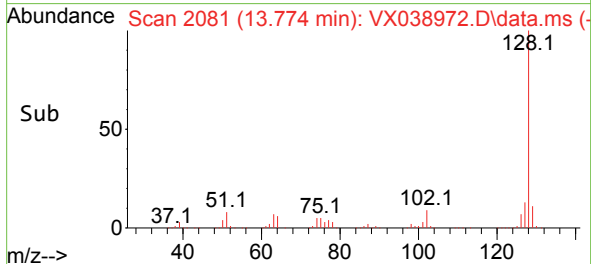
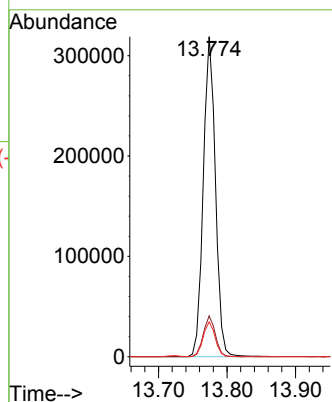
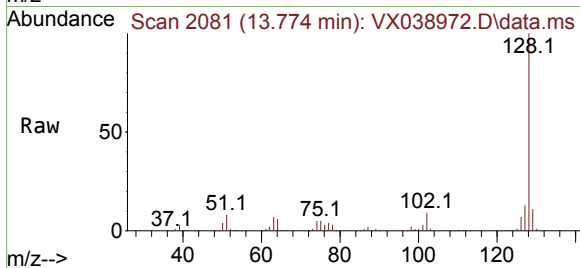
Tgt Ion:128 Resp: 393246

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

129 10.8 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 45.945 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. 0.000 min

Lab File: VX038972.D

Acq: 20 Nov 2023 20:26

Tgt Ion:180 Resp: 102717

Ion Ratio Lower Upper

180 100

182 94.5 46.9 140.6

145 36.2 17.8 53.5

