

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX113023\  
 Data File : VX039059.D  
 Acq On : 30 Nov 2023 09:39  
 Operator : JC/MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020

Quant Time: Dec 01 01:52:16 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X112423W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Nov 27 03:22:25 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Bromochloromethane        | 4.891          | 128  | 12171      | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 6.751          | 114  | 91089      | 30.000   | ug/l   | -0.01    |
| 57) Chlorobenzene-d5         | 10.049         | 117  | 110974     | 30.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 27) 1,2-Dichloroethane-d4    | 5.946          | 65   | 45643      | 27.412   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 110 |      | Recovery = | 91.367%  |        |          |
| 60) 4-Bromofluorobenzene     | 11.079         | 95   | 71319      | 29.424   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 63 - 112 |      | Recovery = | 98.067%  |        |          |
| 63) Toluene-d8               | 8.641          | 98   | 131617     | 29.998   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 112 |      | Recovery = | 100.000% |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.167          | 85   | 37819      | 20.760   | ug/l   | 96       |
| 3) Chloromethane             | 1.295          | 50   | 43473      | 20.842   | ug/l   | 96       |
| 4) Vinyl Chloride            | 1.374          | 62   | 43398      | 20.609   | ug/l   | 96       |
| 5) Bromomethane              | 1.612          | 94   | 29820      | 23.153   | ug/l   | 100      |
| 6) Chloroethane              | 1.691          | 64   | 25919      | 21.136   | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 1.892          | 101  | 59292      | 20.401   | ug/l   | 96       |
| 8) Diethyl Ether             | 2.130          | 74   | 23217      | 20.811   | ug/l   | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 36668      | 22.326   | ug/l   | 98       |
| 10) 1,1-Dichloroethene       | 2.319          | 96   | 35875      | 21.670   | ug/l   | 94       |
| 11) Methyl Iodide            | 2.453          | 142  | 38500      | 21.222   | ug/l   | 96       |
| 12) Methyl Acetate           | 2.697          | 43   | 104020     | 20.146   | ug/l   | 99       |
| 13) Acrolein                 | 2.233          | 56   | 53033      | 117.244  | ug/l   | 100      |
| 14) Acrylonitrile            | 3.056          | 53   | 128166     | 101.488  | ug/l   | 99       |
| 15) Acetone                  | 2.368          | 58   | 56721      | 123.563  | ug/l   | 99       |
| 16) Carbon Disulfide         | 2.514          | 76   | 102686     | 20.480   | ug/l   | 97       |
| 17) Allyl chloride           | 2.660          | 41   | 70085      | 21.325   | ug/l   | 99       |
| 18) Methylene Chloride       | 2.788          | 84   | 43276      | 22.053   | ug/l   | 94       |
| 19) trans-1,2-Dichloroethene | 3.087          | 96   | 39573      | 21.135   | ug/l   | 95       |
| 20) Diisopropyl ether        | 3.751          | 45   | 135671     | 21.693   | ug/l # | 95       |
| 21) 1,1-Dichloroethane       | 3.605          | 63   | 73801      | 21.223   | ug/l   | 100      |
| 22) cis-1,2-Dichloroethene   | 4.483          | 96   | 45439      | 20.940   | ug/l   | 99       |
| 23) tert-Butyl Alcohol       | 2.941          | 59   | 55363      | 79.189   | ug/l # | 100      |
| 24) Methyl tert-Butyl Ether  | 3.105          | 73   | 128007     | 20.990   | ug/l   | 99       |
| 25) Chloroform               | 5.080          | 83   | 73241      | 20.985   | ug/l   | 95       |
| 26) Cyclohexane              | 5.465          | 56   | 67926      | 21.582   | ug/l # | 96       |
| 29) 1,1-Dichloropropene      | 5.684          | 75   | 55195      | 21.616   | ug/l   | 100      |
| 30) 2-Butanone               | 4.538          | 43   | 212134     | 110.342  | ug/l   | 99       |
| 31) 2,2-Dichloropropane      | 4.471          | 77   | 64267      | 22.013   | ug/l   | 99       |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 63378      | 21.474   | ug/l   | 98       |
| 33) Carbon Tetrachloride     | 5.672          | 117  | 53611      | 21.565   | ug/l   | 95       |
| 34) Benzene                  | 6.032          | 78   | 164555     | 22.122   | ug/l   | 97       |
| 35) Methacrylonitrile        | 4.904          | 41   | 36076      | 21.184   | ug/l   | 96       |
| 36) 1,2-Dichloroethane       | 6.080          | 62   | 57691      | 21.137   | ug/l   | 97       |
| 37) Trichloroethene          | 7.117          | 130  | 41364      | 21.910   | ug/l   | 98       |
| 38) Methylcyclohexane        | 7.373          | 83   | 69708      | 21.910   | ug/l   | 99       |
| 39) 1,2-Dichloropropane      | 7.422          | 63   | 43361      | 22.103   | ug/l   | 98       |
| 40) Dibromomethane           | 7.574          | 93   | 29761      | 21.471   | ug/l   | 99       |
| 41) Bromodichloromethane     | 7.818          | 83   | 57802      | 21.707   | ug/l   | 96       |
| 42) Vinyl Acetate            | 3.715          | 43   | 510550     | 111.497  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX113023\  
 Data File : VX039059.D  
 Acq On : 30 Nov 2023 09:39  
 Operator : JC/MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020

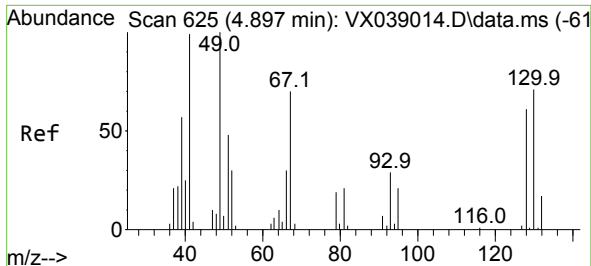
Quant Time: Dec 01 01:52:16 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X112423W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Nov 27 03:22:25 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 43) Ethyl Acetate             | 4.702  | 43   | 69595    | 21.041  | ug/l  | 99       |
| 44) Isopropyl Acetate         | 6.330  | 43   | 109997   | 21.096  | ug/l  | 99       |
| 45) 1,4-Dioxane               | 7.653  | 88   | 18778    | 352.787 | ug/l  | 98       |
| 46) Methyl methacrylate       | 7.684  | 41   | 63559    | 21.321  | ug/l  | 98       |
| 47) n-amyl Acetate            | 10.842 | 43   | 93229    | 21.125  | ug/l  | 99       |
| 48) t-1,3-Dichloropropene     | 8.976  | 75   | 66210    | 21.444  | ug/l  | 95       |
| 49) cis-1,3-Dichloropropene   | 8.360  | 75   | 69906    | 21.947  | ug/l  | 97       |
| 50) 1,1,2-Trichloroethane     | 9.147  | 97   | 42255    | 22.442  | ug/l  | 99       |
| 51) Ethyl methacrylate        | 9.110  | 69   | 52325    | 22.200  | ug/l  | 96       |
| 52) 1,3-Dichloropropane       | 9.305  | 76   | 72166    | 22.352  | ug/l  | 98       |
| 53) Dibromochloromethane      | 9.519  | 129  | 42295    | 20.916  | ug/l  | 98       |
| 54) 1,2-Dibromoethane         | 9.604  | 107  | 44769    | 21.682  | ug/l  | 99       |
| 55) 2-Chloroethyl vinyl ether | 8.232  | 63   | 150949   | 101.041 | ug/l  | 99       |
| 56) Bromoform                 | 10.799 | 173  | 29748    | 20.383  | ug/l  | 98       |
| 58) 4-Methyl-2-Pentanone      | 8.568  | 43   | 362903   | 107.838 | ug/l  | 99       |
| 59) 2-Hexanone                | 9.427  | 43   | 305499   | 110.594 | ug/l  | 99       |
| 61) Tetrachloroethene         | 9.269  | 164  | 32191    | 22.311  | ug/l  | 97       |
| 62) Toluene                   | 8.714  | 91   | 177790   | 22.566  | ug/l  | 99       |
| 64) Chlorobenzene             | 10.073 | 112  | 107232   | 22.375  | ug/l  | 98       |
| 65) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 38657    | 22.397  | ug/l  | 99       |
| 66) Ethyl Benzene             | 10.189 | 91   | 203034   | 22.631  | ug/l  | 100      |
| 67) m/p-Xylenes               | 10.299 | 106  | 149622   | 45.133  | ug/l  | 99       |
| 68) o-Xylene                  | 10.640 | 106  | 70650    | 22.001  | ug/l  | 99       |
| 69) Styrene                   | 10.653 | 104  | 106325   | 22.372  | ug/l  | 99       |
| 70) Isopropylbenzene          | 10.957 | 105  | 190730   | 22.199  | ug/l  | 99       |
| 71) 1,1,2,2-Tetrachloroethane | 11.207 | 83   | 70328    | 21.926  | ug/l  | 100      |
| 72) 1,2,3-Trichloropropane    | 11.238 | 75   | 80998    | 29.843  | ug/l  | 91       |
| 73) Bromobenzene              | 11.195 | 156  | 42812    | 21.886  | ug/l  | 100      |
| 74) n-propylbenzene           | 11.299 | 91   | 235622   | 22.383  | ug/l  | 99       |
| 75) 2-Chlorotoluene           | 11.360 | 91   | 137539   | 22.270  | ug/l  | 100      |
| 76) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 163531   | 22.093  | ug/l  | 100      |
| 77) t-1,4-Dichloro-2-butene   | 11.018 | 75   | 22970    | 21.358  | ug/l  | 95       |
| 78) 4-Chlorotoluene           | 11.451 | 91   | 162705   | 22.408  | ug/l  | 98       |
| 79) tert-butylbenzene         | 11.713 | 119  | 155042   | 22.028  | ug/l  | 99       |
| 80) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 161969   | 21.864  | ug/l  | 100      |
| 81) sec-Butylbenzene          | 11.890 | 105  | 194876   | 21.902  | ug/l  | 99       |
| 82) p-Isopropyltoluene        | 12.006 | 119  | 164615   | 21.829  | ug/l  | 99       |
| 83) 1,3-Dichlorobenzene       | 11.969 | 146  | 81910    | 21.880  | ug/l  | 99       |
| 84) 1,4-Dichlorobenzene       | 12.043 | 146  | 83802    | 21.817  | ug/l  | 100      |
| 85) n-Butylbenzene            | 12.329 | 91   | 163716   | 21.984  | ug/l  | 99       |
| 86) Hexachloroethane          | 12.536 | 117  | 30874    | 21.608  | ug/l  | 97       |
| 87) 1,2-Dichlorobenzene       | 12.335 | 146  | 76858    | 21.351  | ug/l  | 97       |
| 88) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 16300    | 19.871  | ug/l  | 99       |
| 89) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 52074    | 21.818  | ug/l  | 99       |
| 90) Hexachlorobutadiene       | 13.725 | 225  | 19094    | 22.405  | ug/l  | 97       |
| 91) Naphthalene               | 13.774 | 128  | 180602   | 20.518  | ug/l  | 100      |
| 92) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 50418    | 21.809  | ug/l  | 99       |

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

Quant Time: Dec 01 01:52:16 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X112423W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Mon Nov 27 03:22:25 2023  
Response via : Initial Calibration

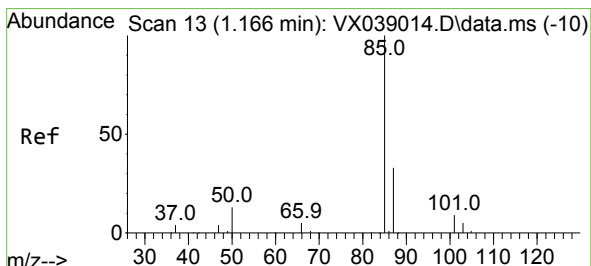
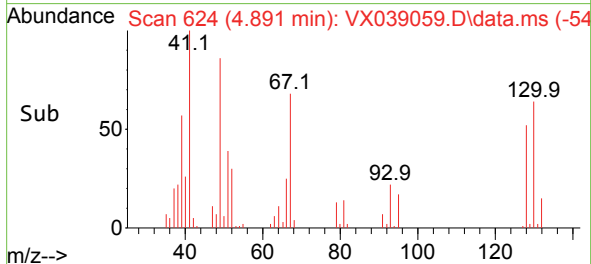
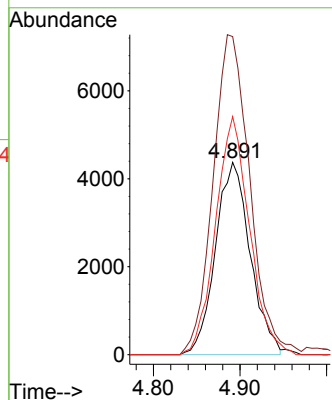
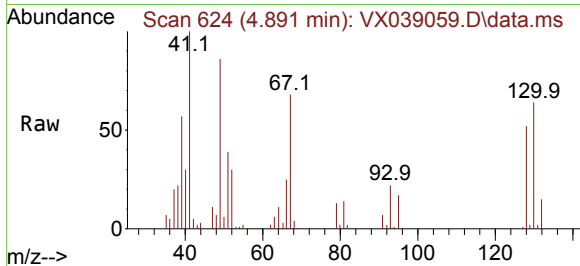




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 4.891 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VX039059.D  
Acq: 30 Nov 2023 09:39

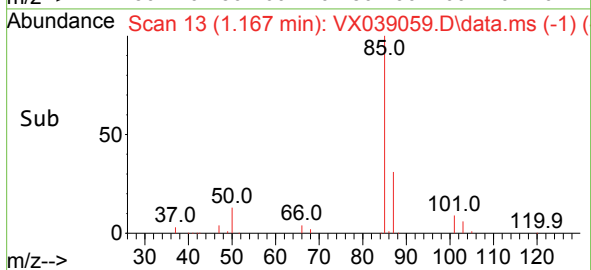
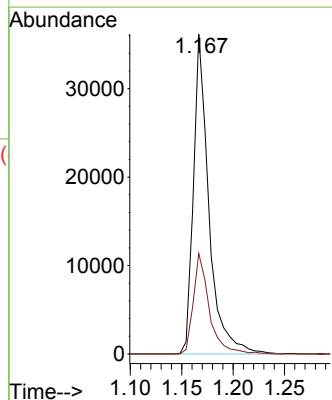
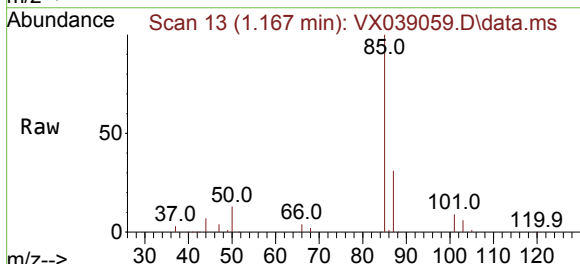
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

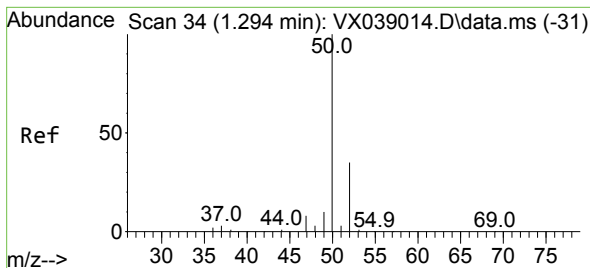
Tgt Ion:128 Resp: 12171  
Ion Ratio Lower Upper  
128 100  
49 176.2 0.0 444.0  
130 121.5 0.0 297.8



#2  
Dichlorodifluoromethane  
Concen: 20.760 ug/l  
RT: 1.167 min Scan# 13  
Delta R.T. 0.000 min  
Lab File: VX039059.D  
Acq: 30 Nov 2023 09:39

Tgt Ion: 85 Resp: 37819  
Ion Ratio Lower Upper  
85 100  
87 31.4 16.7 50.1





#3

Chloromethane

Concen: 20.842 ug/l

RT: 1.295 min Scan# 34

Delta R.T. 0.000 min

Lab File: VX039059.D

Acq: 30 Nov 2023 09:39

Instrument :

MSVOA\_X

ClientSampleId :

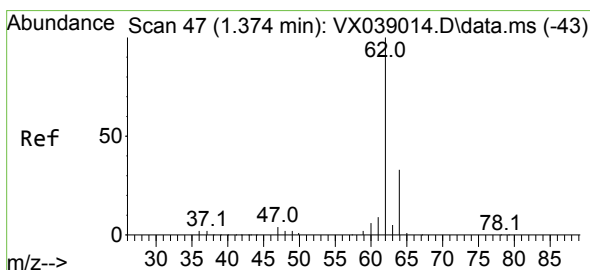
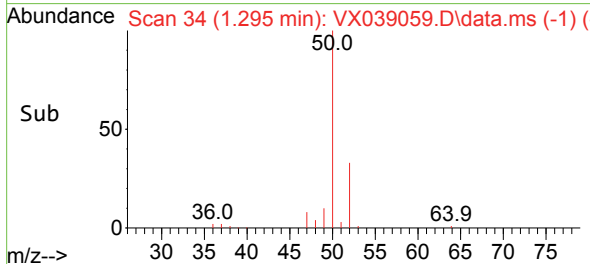
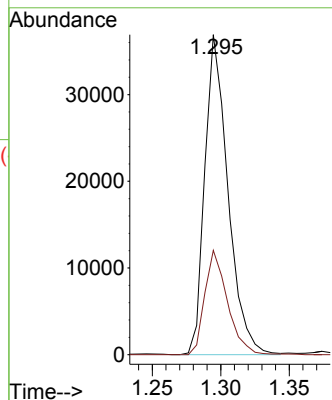
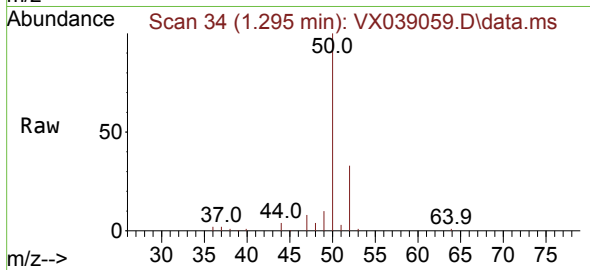
VSTDCCC020

Tgt Ion: 50 Resp: 43473

Ion Ratio Lower Upper

50 100

52 32.6 27.8 41.8



#4

Vinyl Chloride

Concen: 20.609 ug/l

RT: 1.374 min Scan# 47

Delta R.T. 0.000 min

Lab File: VX039059.D

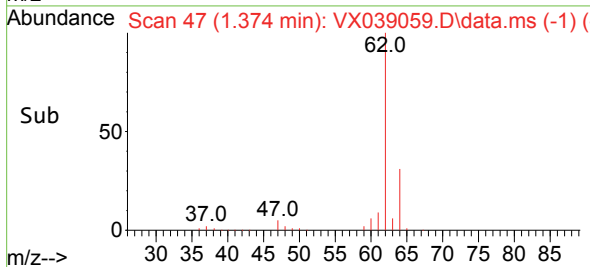
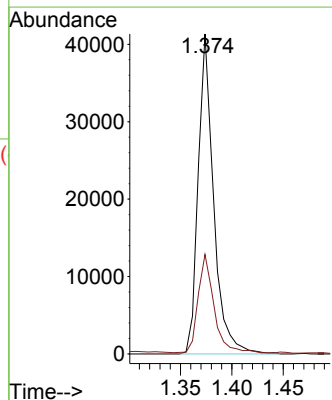
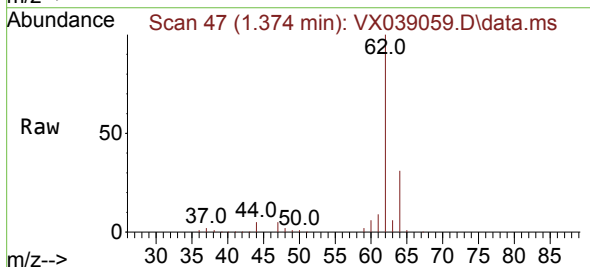
Acq: 30 Nov 2023 09:39

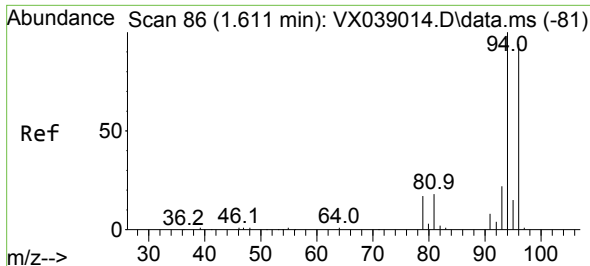
Tgt Ion: 62 Resp: 43398

Ion Ratio Lower Upper

62 100

64 30.6 26.3 39.5

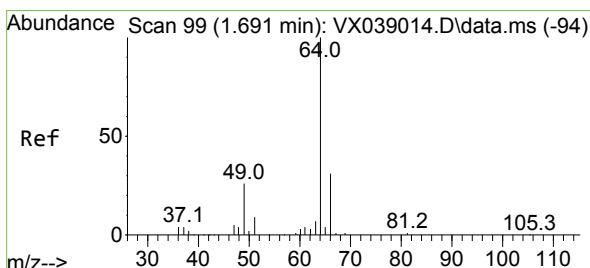
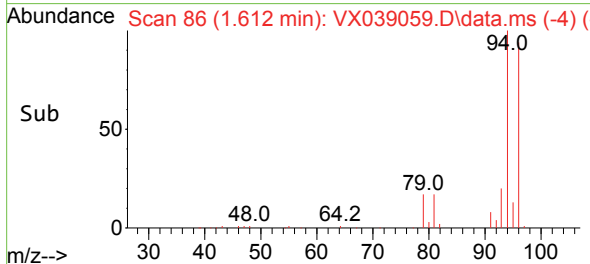
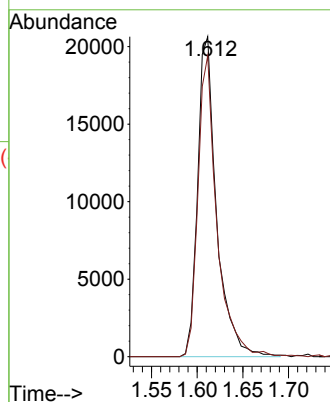
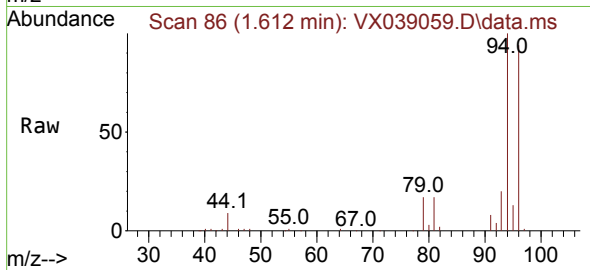




#5  
Bromomethane  
Concen: 23.153 ug/l  
RT: 1.612 min Scan# 80  
Delta R.T. 0.000 min  
Lab File: VX039059.D  
Acq: 30 Nov 2023 09:39

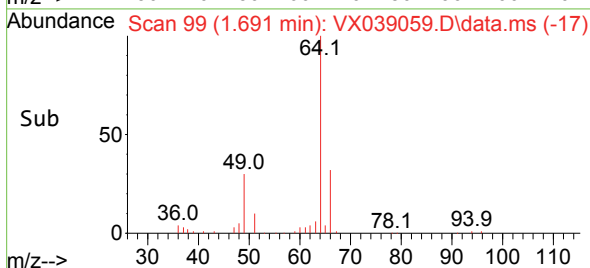
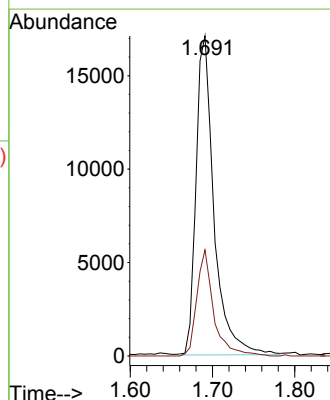
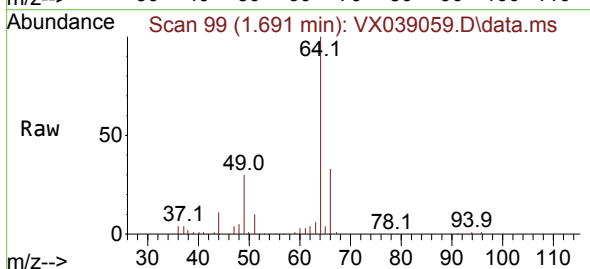
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

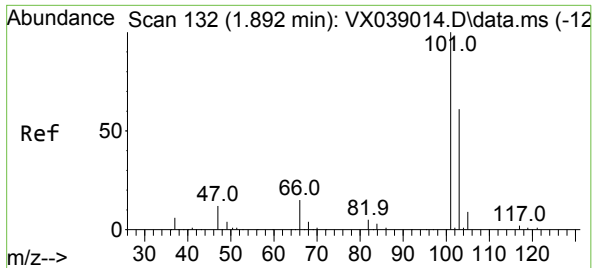
Tgt Ion: 94 Resp: 29820  
Ion Ratio Lower Upper  
94 100  
96 94.1 74.9 112.3



#6  
Chloroethane  
Concen: 21.136 ug/l  
RT: 1.691 min Scan# 99  
Delta R.T. 0.000 min  
Lab File: VX039059.D  
Acq: 30 Nov 2023 09:39

Tgt Ion: 64 Resp: 25919  
Ion Ratio Lower Upper  
64 100  
66 33.3 25.0 37.6

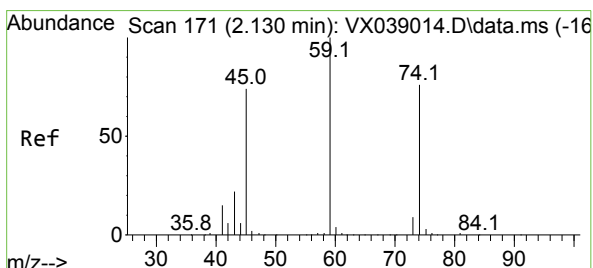
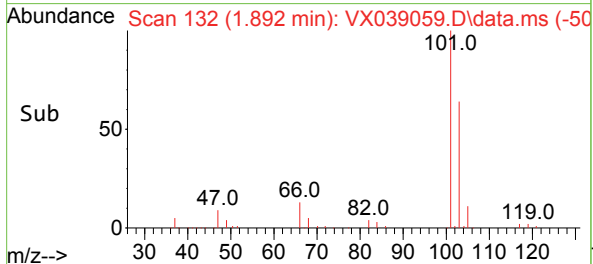
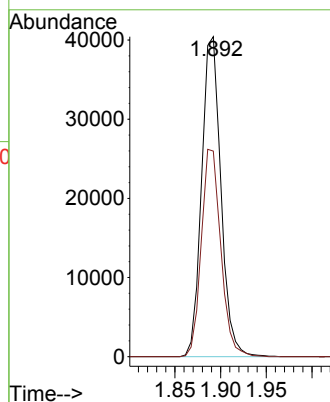
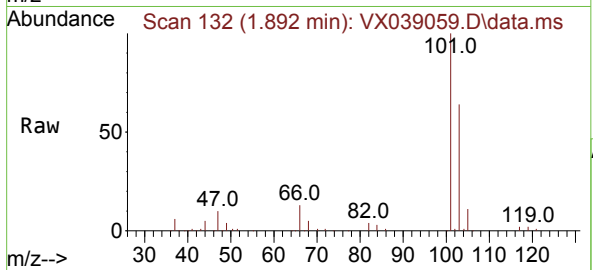




#7  
 Trichlorofluoromethane  
 Concen: 20.401 ug/l  
 RT: 1.892 min Scan# 132  
 Delta R.T. 0.000 min  
 Lab File: VX039059.D  
 Acq: 30 Nov 2023 09:39

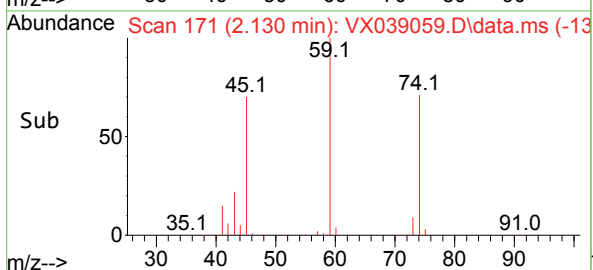
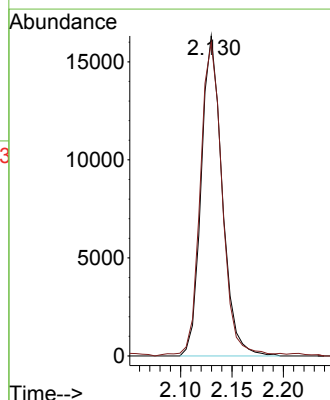
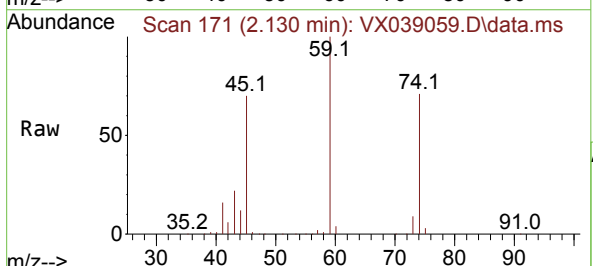
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020

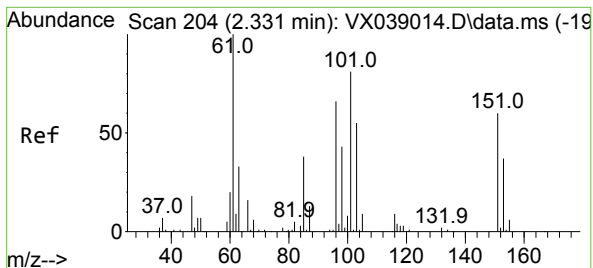
Tgt Ion:101 Resp: 59292  
 Ion Ratio Lower Upper  
 101 100  
 103 64.3 49.1 73.7



#8  
 Diethyl Ether  
 Concen: 20.811 ug/l  
 RT: 2.130 min Scan# 171  
 Delta R.T. 0.000 min  
 Lab File: VX039059.D  
 Acq: 30 Nov 2023 09:39

Tgt Ion: 74 Resp: 23217  
 Ion Ratio Lower Upper  
 74 100  
 45 100.6 20.5 184.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.326 ug/l

RT: 2.331 min Scan# 204

Delta R.T. 0.000 min

Lab File: VX039059.D

Acq: 30 Nov 2023 09:39

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020

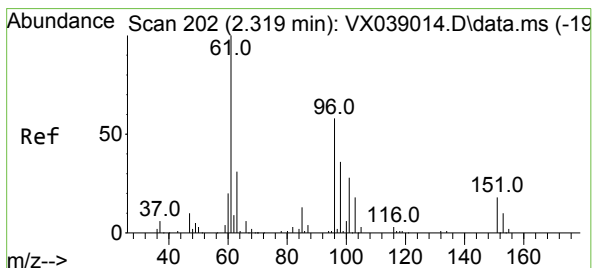
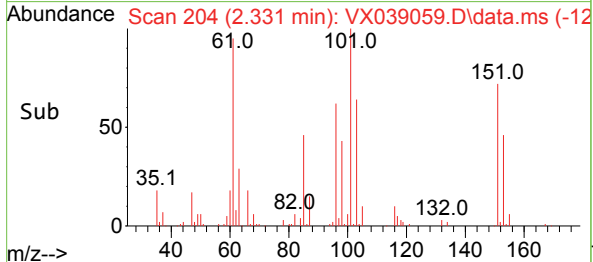
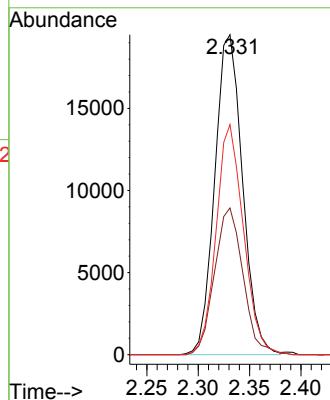
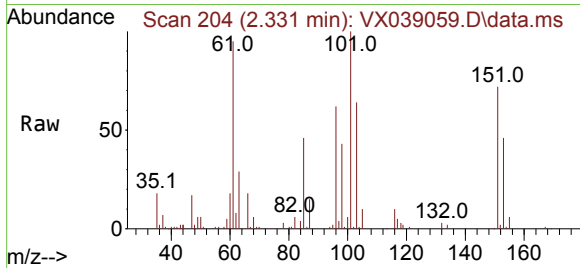
Tgt Ion:101 Resp: 36668

Ion Ratio Lower Upper

101 100

85 47.0 0.0 95.2

151 70.7 0.0 136.8



#10

1,1-Dichloroethene

Concen: 21.670 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.000 min

Lab File: VX039059.D

Acq: 30 Nov 2023 09:39

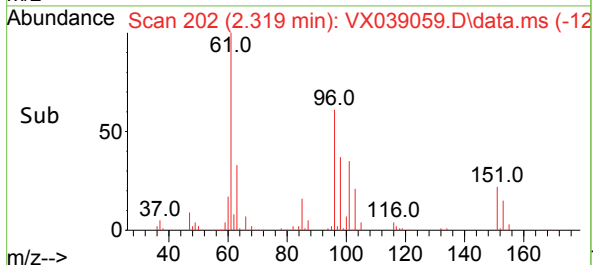
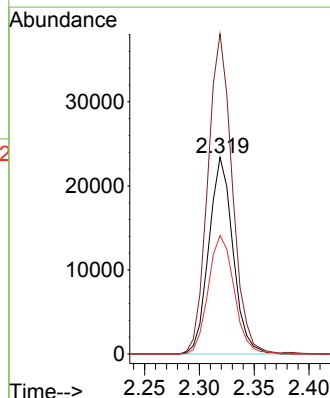
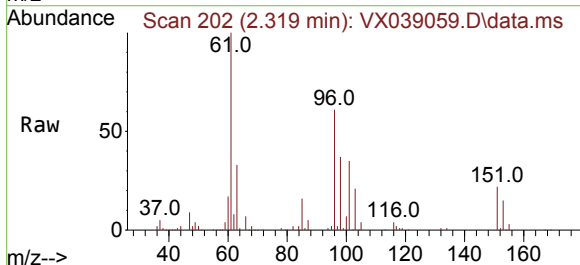
Tgt Ion: 96 Resp: 35875

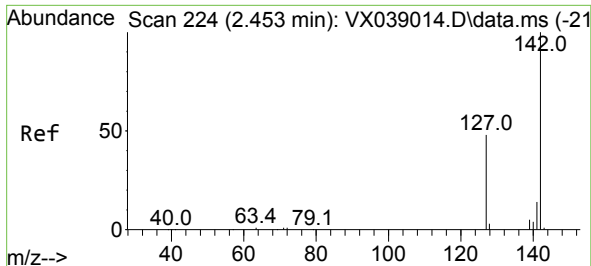
Ion Ratio Lower Upper

96 100

61 162.8 138.3 207.5

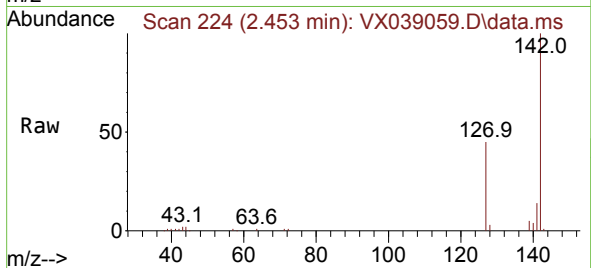
98 60.2 49.8 74.6



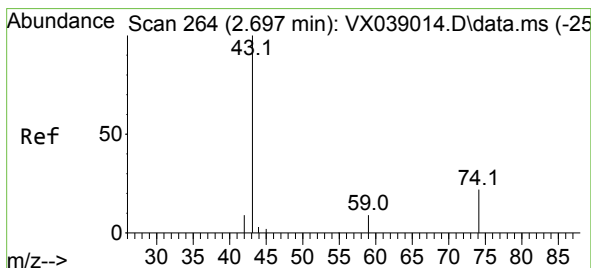
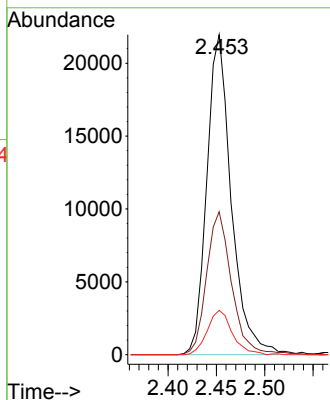
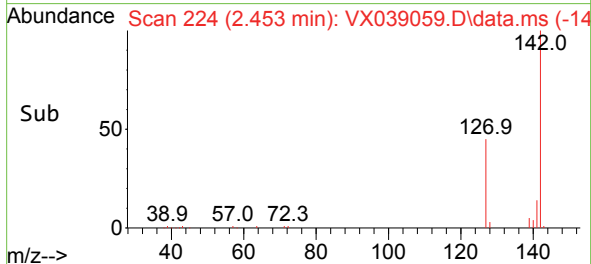


#11  
Methyl Iodide  
Concen: 21.222 ug/l  
RT: 2.453 min Scan# 211  
Delta R.T. 0.000 min  
Lab File: VX039059.D  
Acq: 30 Nov 2023 09:39

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

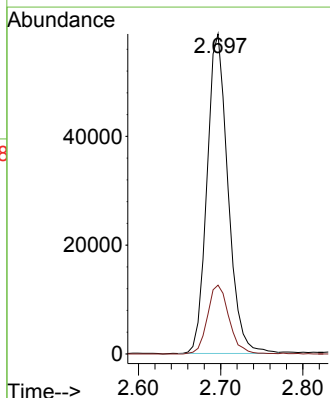
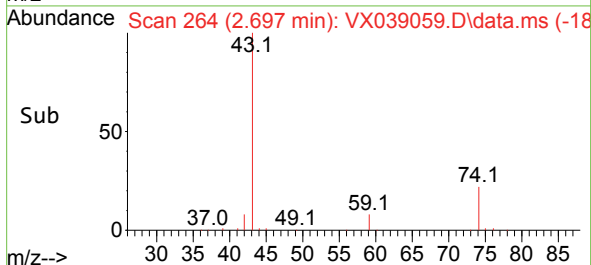
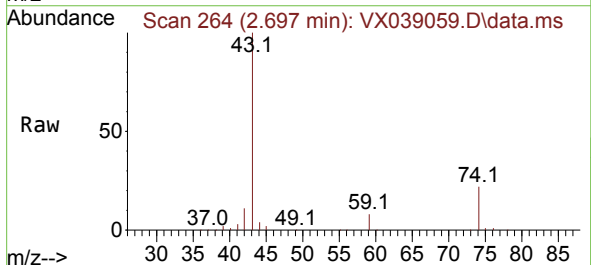


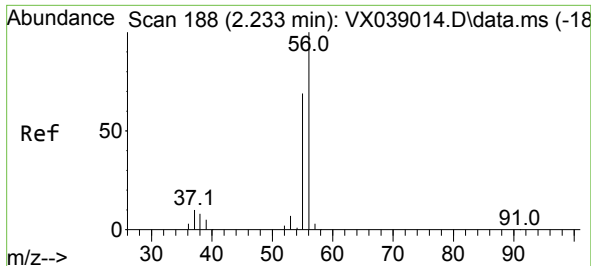
Tgt Ion:142 Resp: 38500  
Ion Ratio Lower Upper  
142 100  
127 44.5 23.8 71.4  
141 13.8 6.9 20.6



#12  
Methyl Acetate  
Concen: 20.146 ug/l  
RT: 2.697 min Scan# 264  
Delta R.T. 0.000 min  
Lab File: VX039059.D  
Acq: 30 Nov 2023 09:39

Tgt Ion: 43 Resp: 104020  
Ion Ratio Lower Upper  
43 100  
74 21.5 17.8 26.6

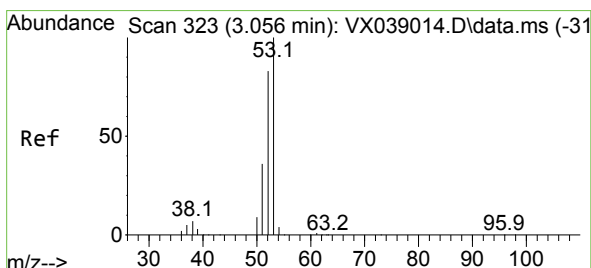
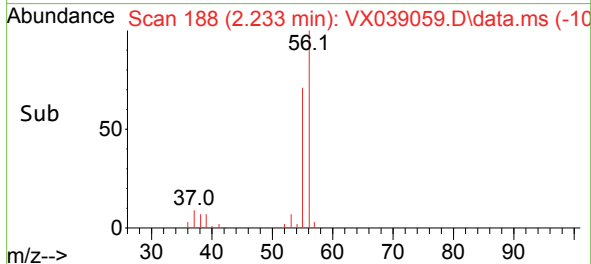
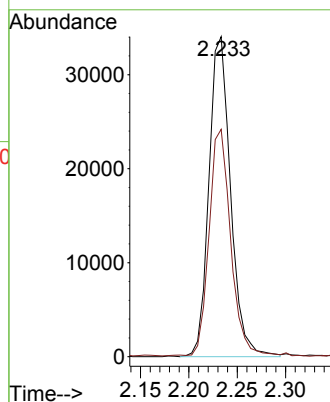
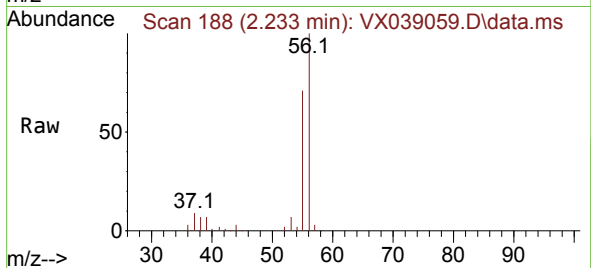




#13  
Acrolein  
Concen: 117.244 ug/l  
RT: 2.233 min Scan# 188  
Delta R.T. 0.000 min  
Lab File: VX039059.D  
Acq: 30 Nov 2023 09:39

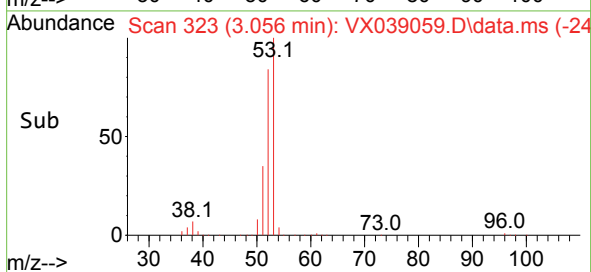
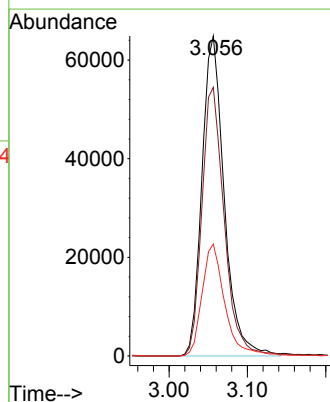
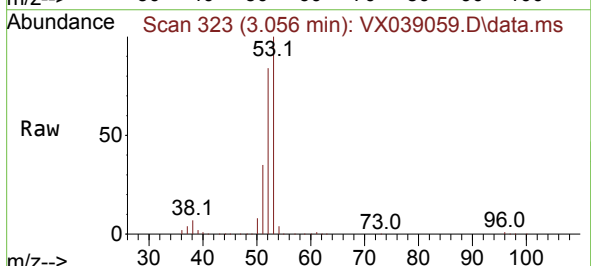
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

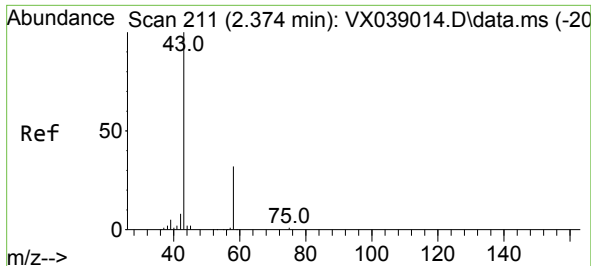
Tgt Ion: 56 Resp: 53033  
Ion Ratio Lower Upper  
56 100  
55 71.4 57.2 85.8



#14  
Acrylonitrile  
Concen: 101.488 ug/l  
RT: 3.056 min Scan# 323  
Delta R.T. 0.000 min  
Lab File: VX039059.D  
Acq: 30 Nov 2023 09:39

Tgt Ion: 53 Resp: 128166  
Ion Ratio Lower Upper  
53 100  
52 84.0 41.9 125.6  
51 35.6 18.3 54.9





#15

Acetone

Concen: 123.563 ug/l

RT: 2.368 min Scan# 211

Delta R.T. -0.006 min

Lab File: VX039059.D

Acq: 30 Nov 2023 09:39

Instrument :

MSVOA\_X

ClientSampleId :

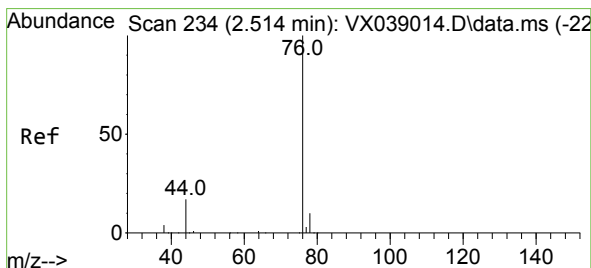
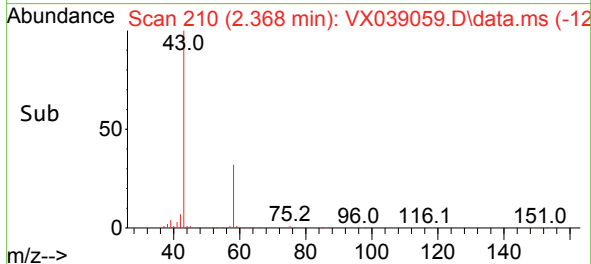
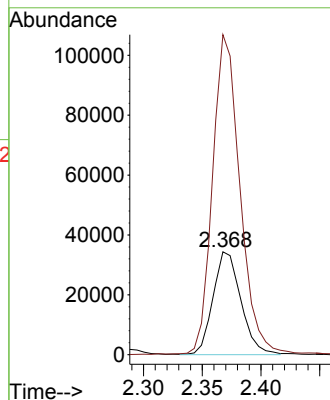
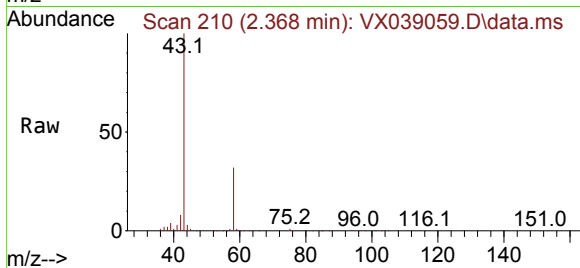
VSTDCCC020

Tgt Ion: 58 Resp: 56721

Ion Ratio Lower Upper

58 100

43 311.1 249.9 374.9



#16

Carbon Disulfide

Concen: 20.480 ug/l

RT: 2.514 min Scan# 234

Delta R.T. 0.000 min

Lab File: VX039059.D

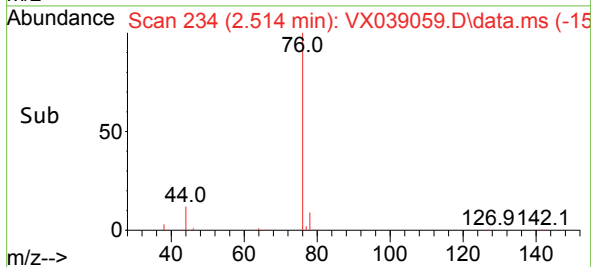
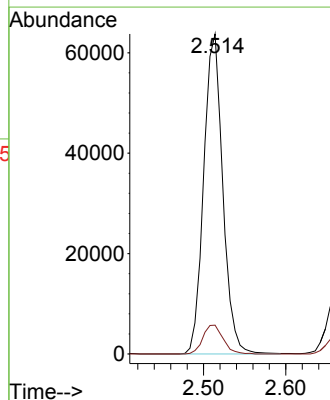
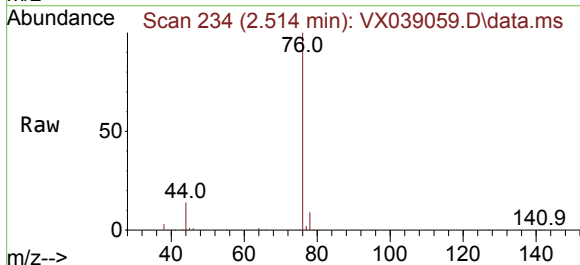
Acq: 30 Nov 2023 09:39

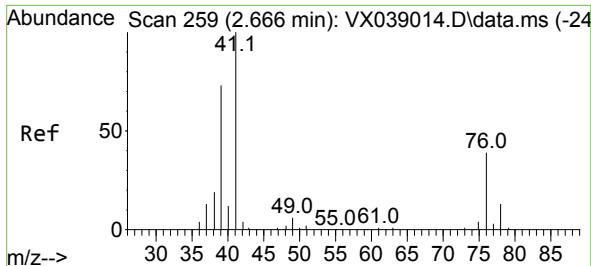
Tgt Ion: 76 Resp: 102686

Ion Ratio Lower Upper

76 100

78 9.0 8.0 12.0





#17

Allyl chloride

Concen: 21.325 ug/l

RT: 2.660 min Scan# 2

Delta R.T. -0.006 min

Lab File: VX039059.D

Acq: 30 Nov 2023 09:39

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020

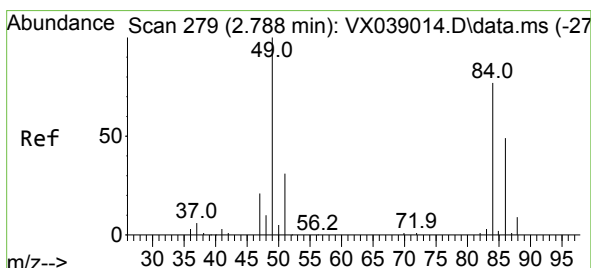
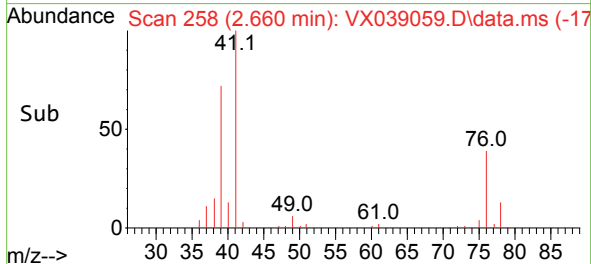
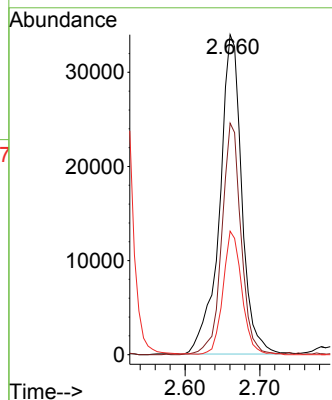
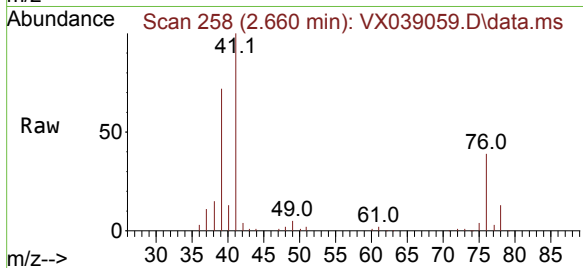
Tgt Ion: 41 Resp: 70085

Ion Ratio Lower Upper

41 100

39 72.5 36.5 109.5

76 38.4 19.7 59.0



#18

Methylene Chloride

Concen: 22.053 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX039059.D

Acq: 30 Nov 2023 09:39

Tgt Ion: 84 Resp: 43276

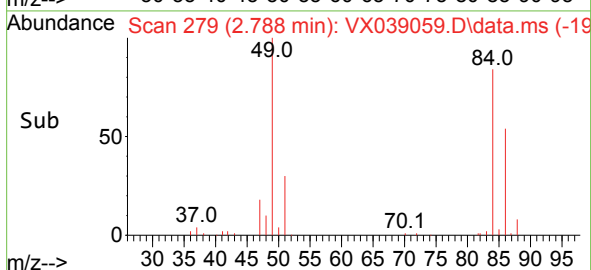
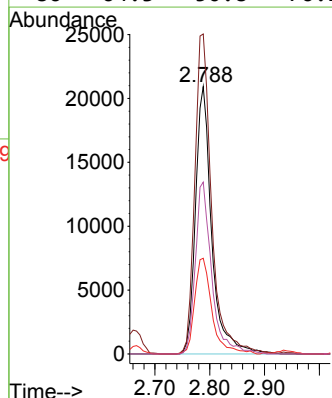
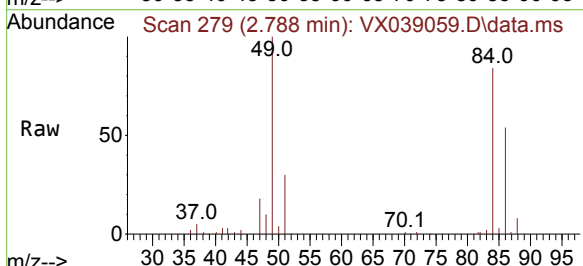
Ion Ratio Lower Upper

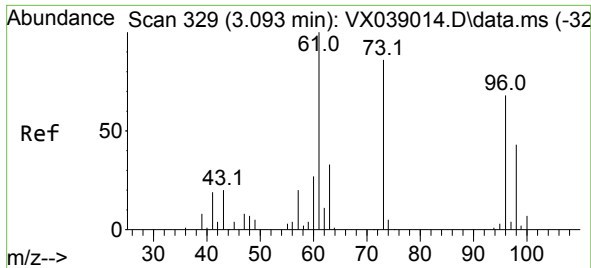
84 100

49 119.3 103.8 155.8

51 35.6 31.8 47.6

86 64.3 50.8 76.2

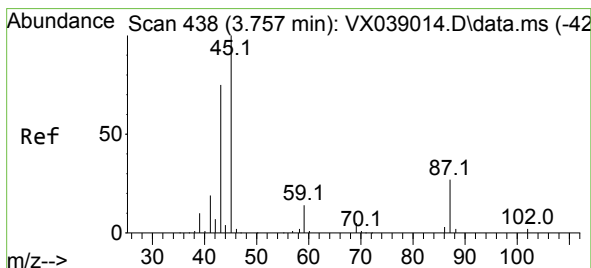
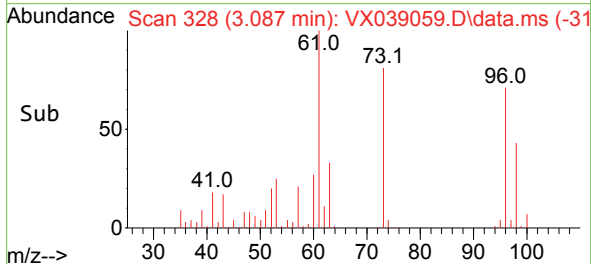
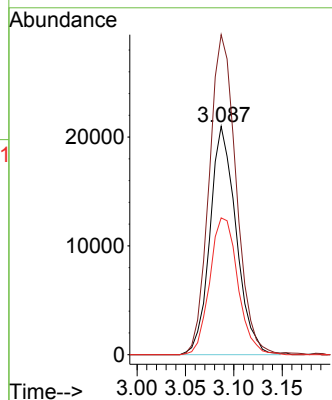
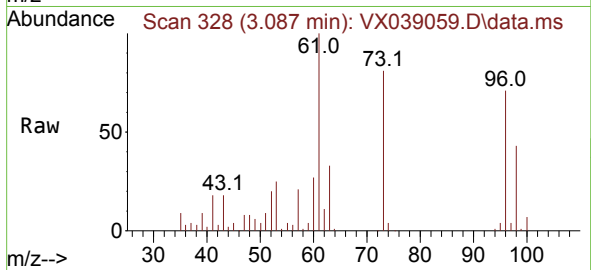




#19  
trans-1,2-Dichloroethene  
Concen: 21.135 ug/l  
RT: 3.087 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VX039059.D  
Acq: 30 Nov 2023 09:39

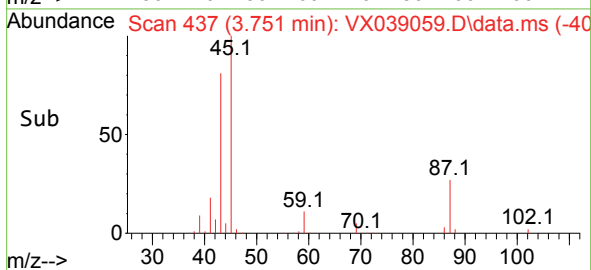
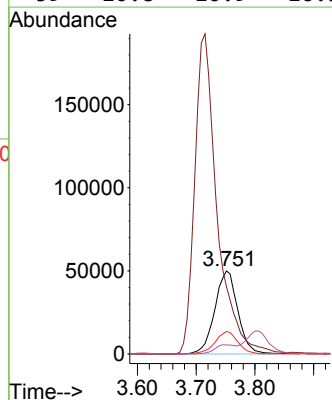
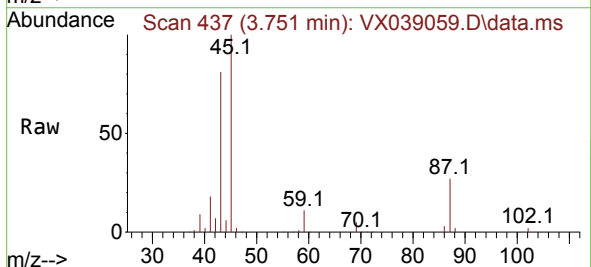
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

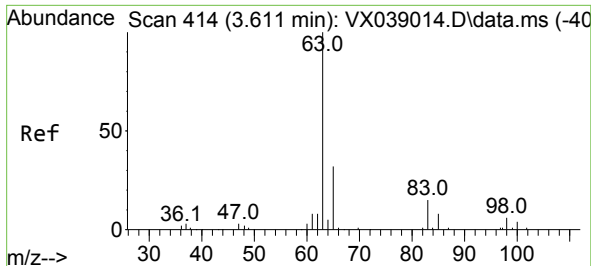
Tgt Ion: 96 Resp: 39573  
Ion Ratio Lower Upper  
96 100  
61 140.2 117.9 176.9  
98 60.0 51.0 76.6



#20  
Diisopropyl ether  
Concen: 21.693 ug/l  
RT: 3.751 min Scan# 437  
Delta R.T. -0.006 min  
Lab File: VX039059.D  
Acq: 30 Nov 2023 09:39

Tgt Ion: 45 Resp: 135671  
Ion Ratio Lower Upper  
45 100  
43 79.0 67.7 101.5  
87 27.2 21.5 32.3  
59 10.8 10.9 16.3





#21

1,1-Dichloroethane

Concen: 21.223 ug/l

RT: 3.605 min Scan# 41

Delta R.T. -0.006 min

Lab File: VX039059.D

Acq: 30 Nov 2023 09:39

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020

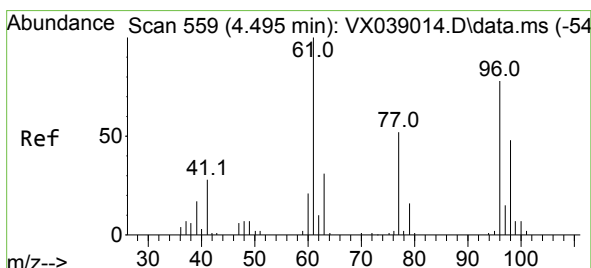
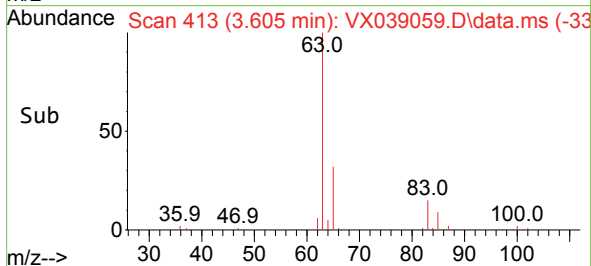
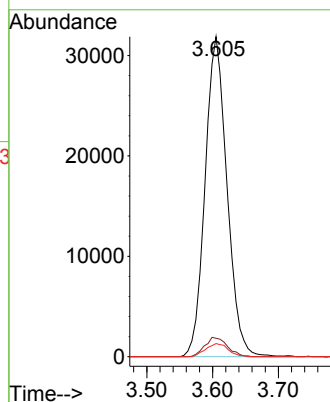
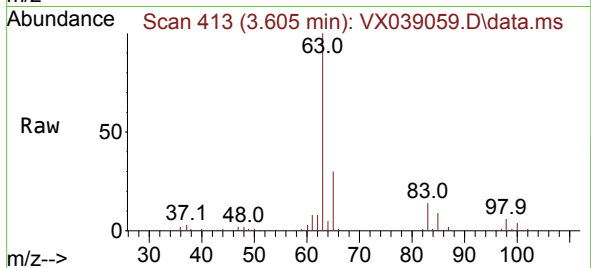
Tgt Ion: 63 Resp: 73801

Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.8

100 4.1 2.0 5.8



#22

cis-1,2-Dichloroethene

Concen: 20.940 ug/l

RT: 4.483 min Scan# 557

Delta R.T. -0.012 min

Lab File: VX039059.D

Acq: 30 Nov 2023 09:39

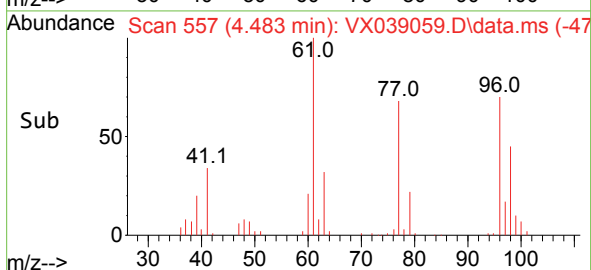
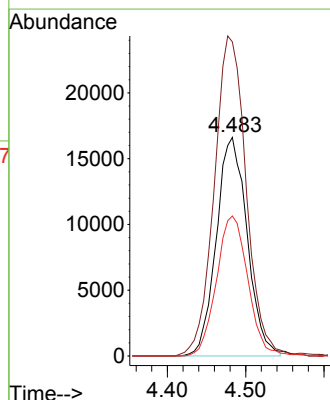
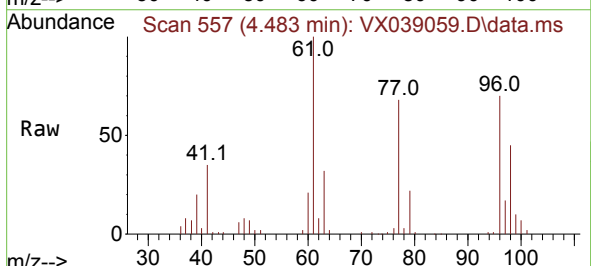
Tgt Ion: 96 Resp: 45439

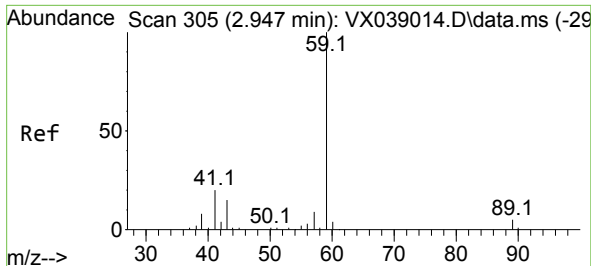
Ion Ratio Lower Upper

96 100

61 151.2 119.8 179.6

98 65.1 50.9 76.3

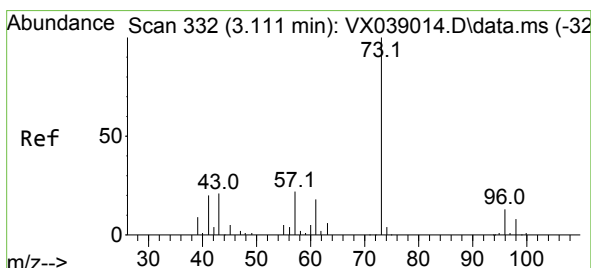
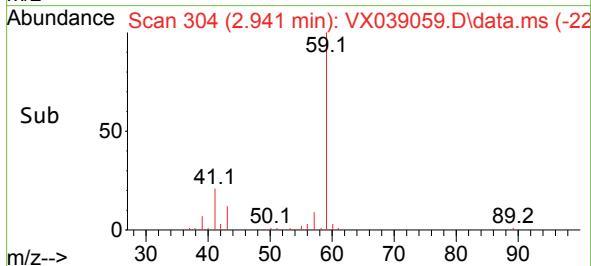
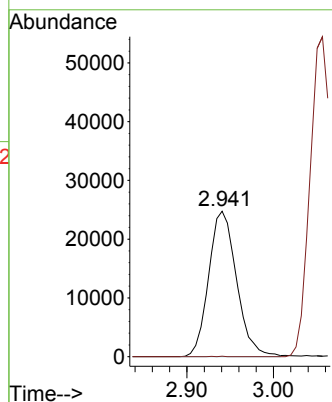
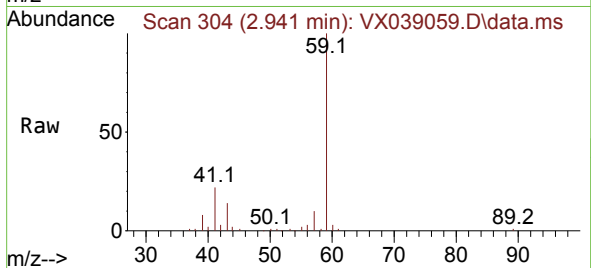




#23  
tert-Butyl Alcohol  
Concen: 79.189 ug/l  
RT: 2.941 min Scan# 305  
Delta R.T. -0.006 min  
Lab File: VX039059.D  
Acq: 30 Nov 2023 09:39

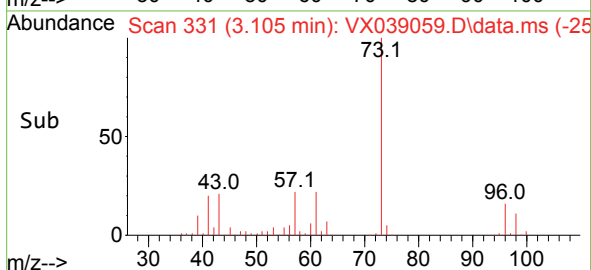
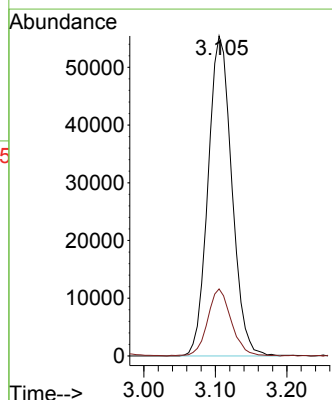
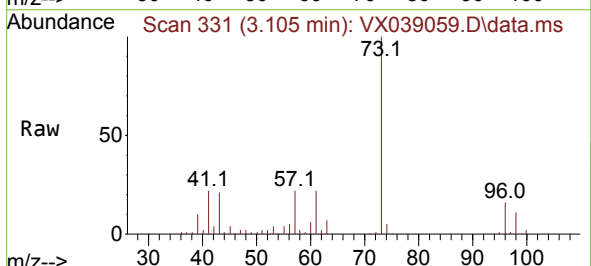
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

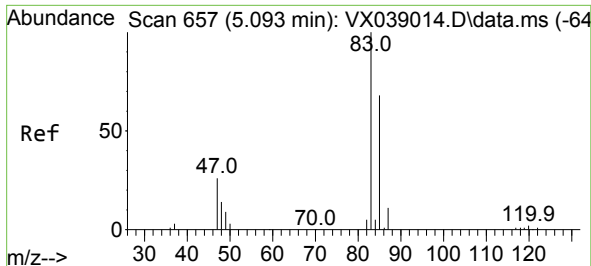
Tgt Ion: 59 Resp: 55363  
Ion Ratio Lower Upper  
59 100  
52 0.0 0.0 0.0#



#24  
Methyl tert-Butyl Ether  
Concen: 20.990 ug/l  
RT: 3.105 min Scan# 331  
Delta R.T. -0.006 min  
Lab File: VX039059.D  
Acq: 30 Nov 2023 09:39

Tgt Ion: 73 Resp: 128007  
Ion Ratio Lower Upper  
73 100  
43 20.9 17.0 25.6

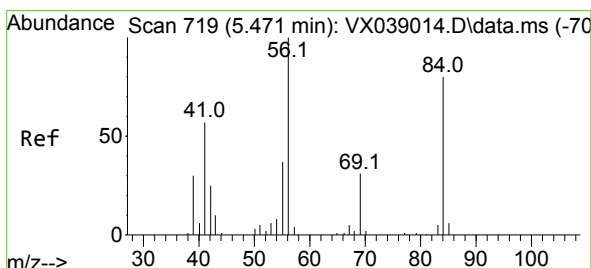
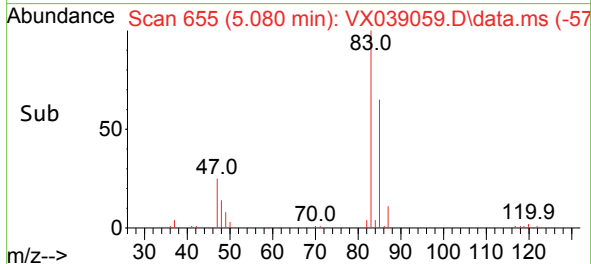
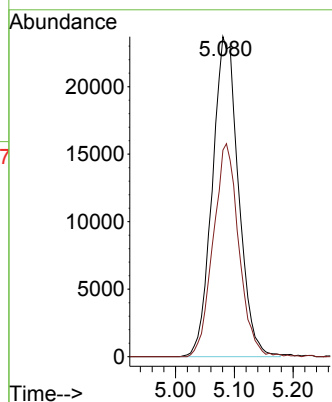
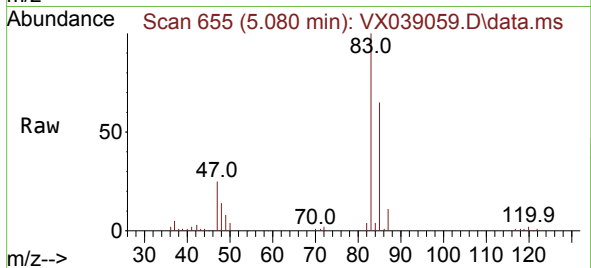




#25  
Chloroform  
Concen: 20.985 ug/l  
RT: 5.080 min Scan# 61  
Delta R.T. -0.012 min  
Lab File: VX039059.D  
Acq: 30 Nov 2023 09:39

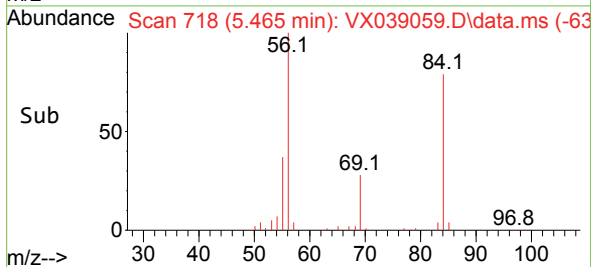
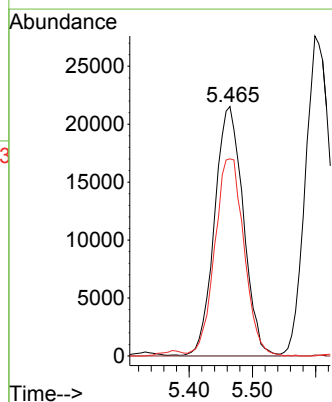
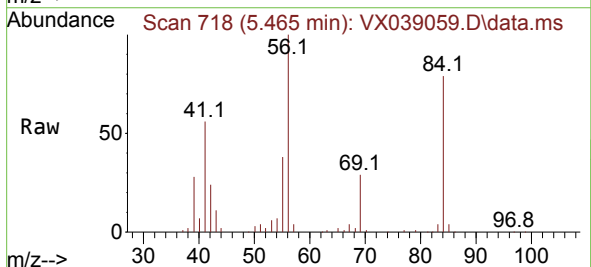
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

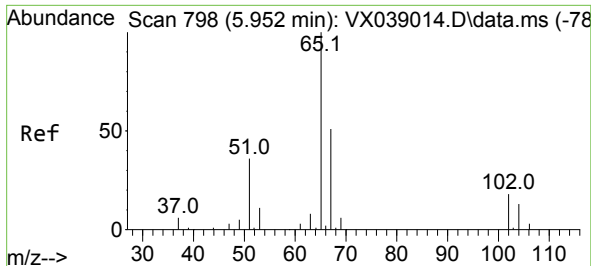
Tgt Ion: 83 Resp: 73241  
Ion Ratio Lower Upper  
83 100  
85 64.6 54.6 81.8



#26  
Cyclohexane  
Concen: 21.582 ug/l  
RT: 5.465 min Scan# 718  
Delta R.T. -0.006 min  
Lab File: VX039059.D  
Acq: 30 Nov 2023 09:39

Tgt Ion: 56 Resp: 67926  
Ion Ratio Lower Upper  
56 100  
89 0.0 0.0 0.0  
84 80.7 67.2 100.8





#27

1,2-Dichloroethane-d4

Concen: 27.412 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX039059.D

Acq: 30 Nov 2023 09:39

Instrument :

MSVOA\_X

ClientSampleId :

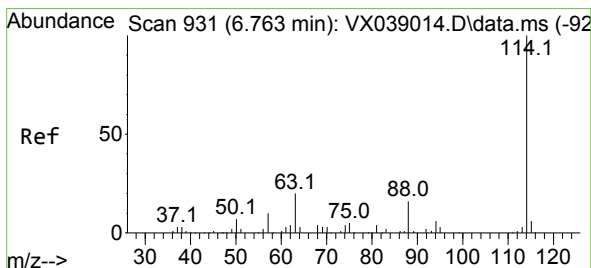
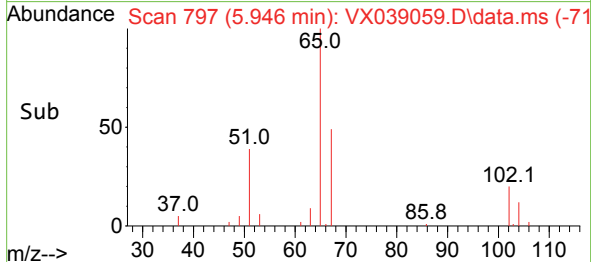
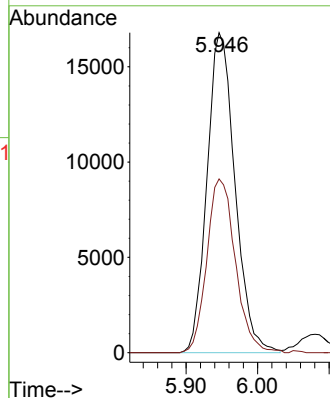
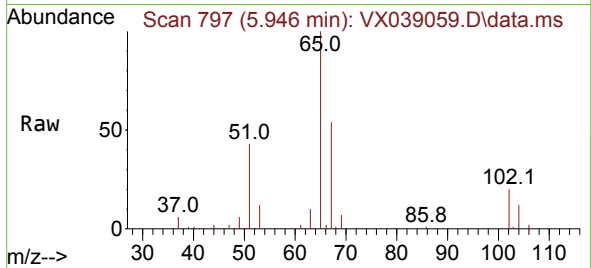
VSTDCCC020

Tgt Ion: 65 Resp: 45643

Ion Ratio Lower Upper

65 100

67 55.2 42.5 63.7



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.012 min

Lab File: VX039059.D

Acq: 30 Nov 2023 09:39

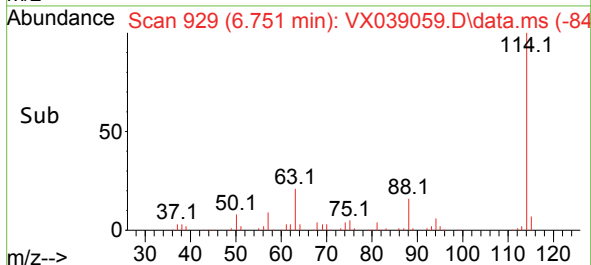
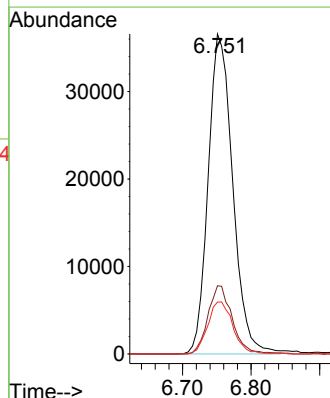
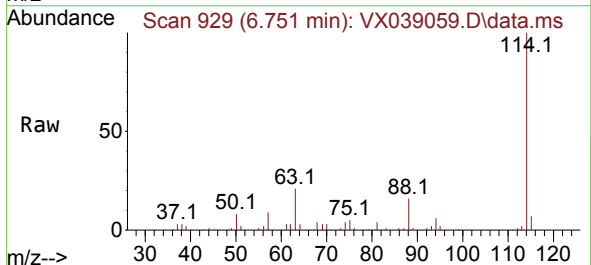
Tgt Ion: 114 Resp: 91089

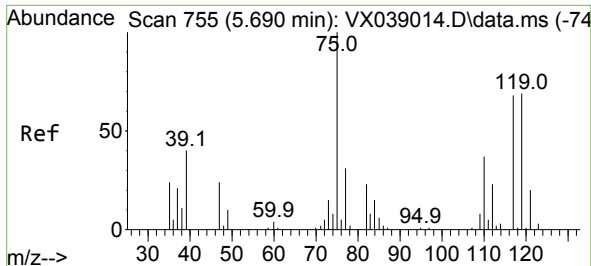
Ion Ratio Lower Upper

114 100

63 21.0 17.0 25.4

88 16.6 12.7 19.1





#29

1,1-Dichloropropene

Concen: 21.616 ug/l

RT: 5.684 min Scan# 754

Delta R.T. -0.006 min

Lab File: VX039059.D

Acq: 30 Nov 2023 09:39

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020

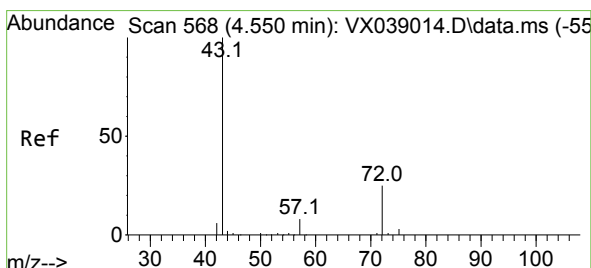
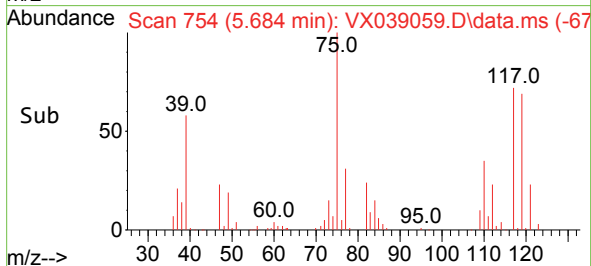
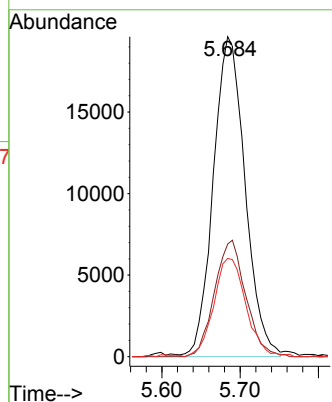
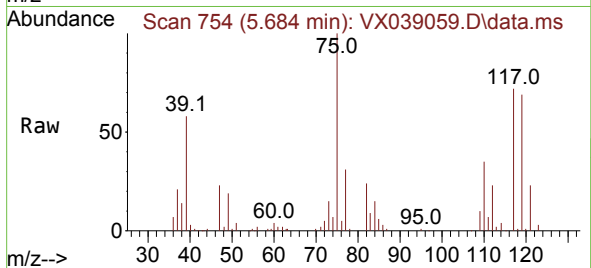
Tgt Ion: 75 Resp: 55195

Ion Ratio Lower Upper

75 100

110 35.7 0.0 71.2

77 31.1 0.0 62.6



#30

2-Butanone

Concen: 110.342 ug/l

RT: 4.538 min Scan# 566

Delta R.T. -0.012 min

Lab File: VX039059.D

Acq: 30 Nov 2023 09:39

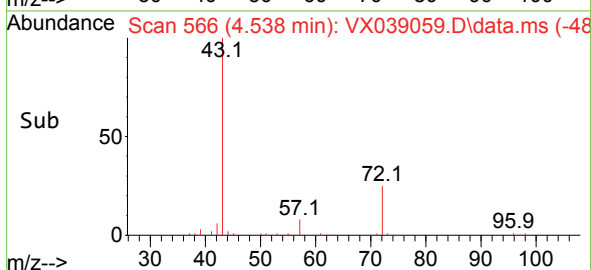
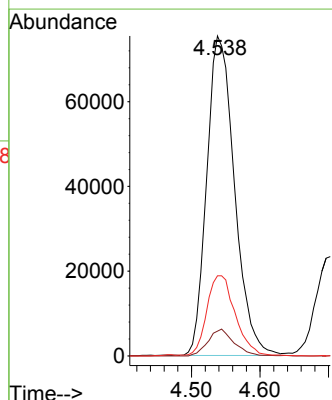
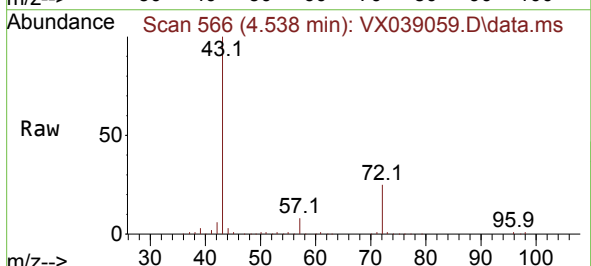
Tgt Ion: 43 Resp: 212134

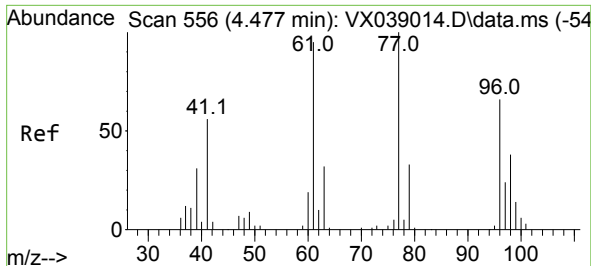
Ion Ratio Lower Upper

43 100

57 7.9 6.6 10.0

72 25.3 20.6 31.0

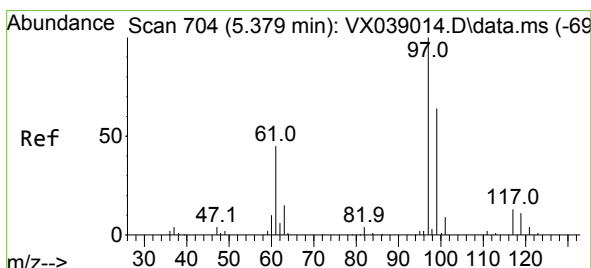
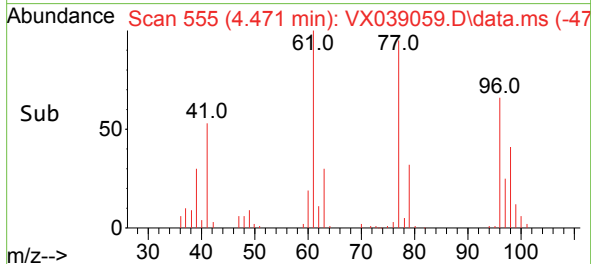
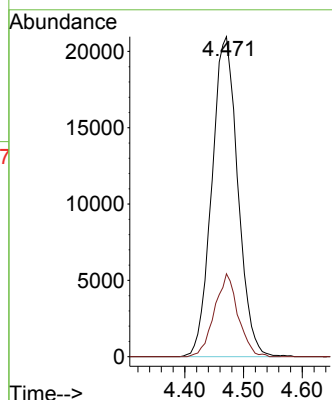
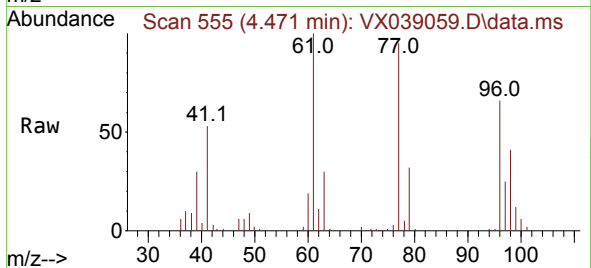




#31  
2,2-Dichloropropane  
Concen: 22.013 ug/l  
RT: 4.471 min Scan# 511  
Delta R.T. -0.006 min  
Lab File: VX039059.D  
Acq: 30 Nov 2023 09:39

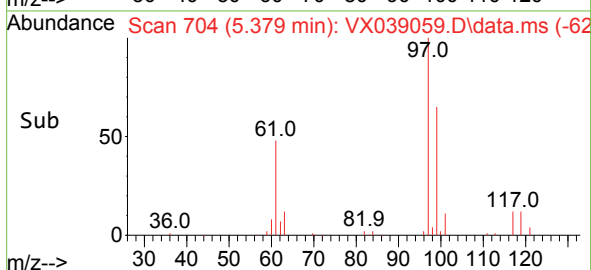
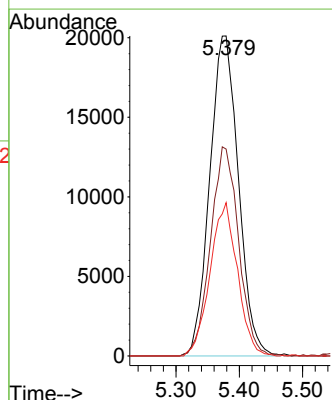
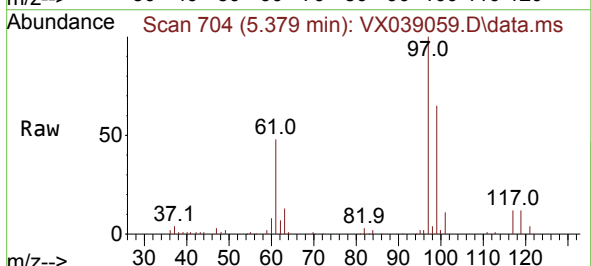
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

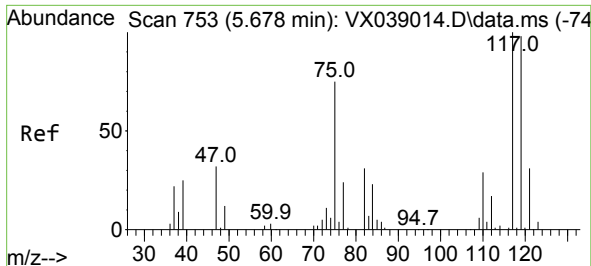
Tgt Ion: 77 Resp: 64267  
Ion Ratio Lower Upper  
77 100  
97 23.4 18.2 27.4



#32  
1,1,1-Trichloroethane  
Concen: 21.474 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. 0.000 min  
Lab File: VX039059.D  
Acq: 30 Nov 2023 09:39

Tgt Ion: 97 Resp: 63378  
Ion Ratio Lower Upper  
97 100  
99 63.9 52.6 79.0  
61 45.7 36.9 55.3

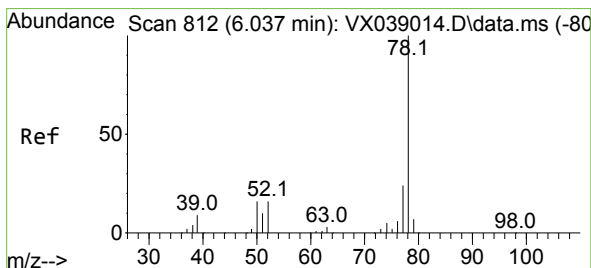
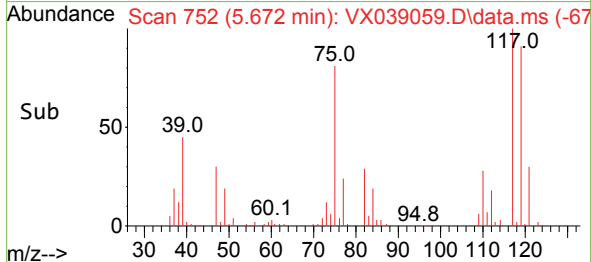
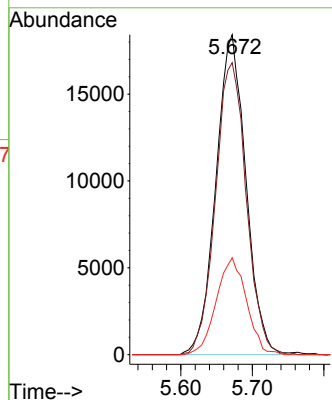
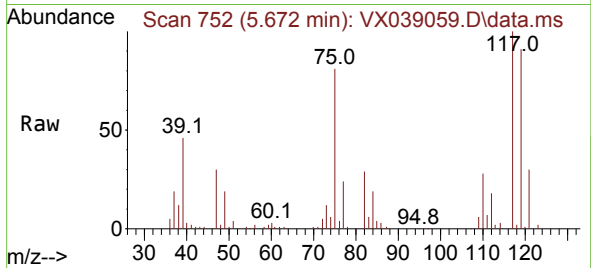




#33  
Carbon Tetrachloride  
Concen: 21.565 ug/l  
RT: 5.672 min Scan# 752  
Delta R.T. -0.006 min  
Lab File: VX039059.D  
Acq: 30 Nov 2023 09:39

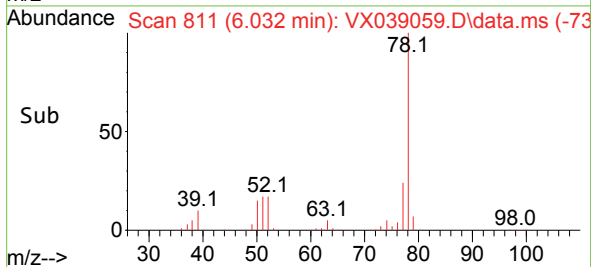
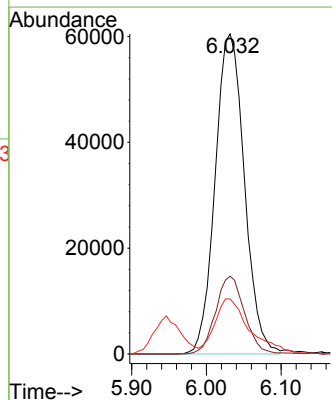
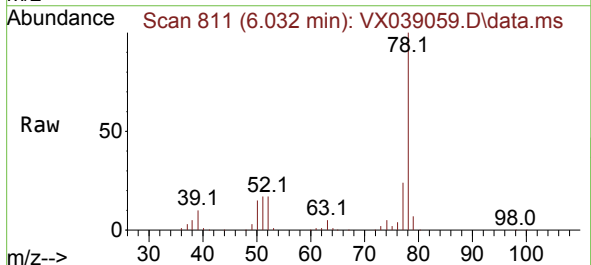
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

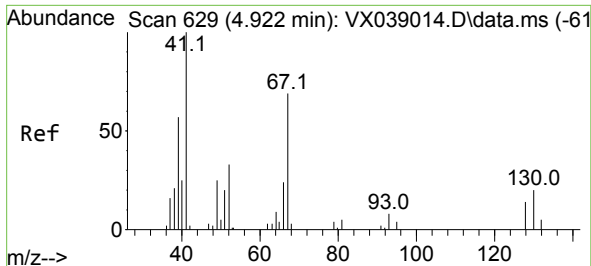
Tgt Ion:117 Resp: 53611  
Ion Ratio Lower Upper  
117 100  
119 91.2 78.2 117.4  
121 30.3 24.7 37.1



#34  
Benzene  
Concen: 22.122 ug/l  
RT: 6.032 min Scan# 811  
Delta R.T. -0.006 min  
Lab File: VX039059.D  
Acq: 30 Nov 2023 09:39

Tgt Ion: 78 Resp: 164555  
Ion Ratio Lower Upper  
78 100  
77 24.3 19.3 28.9  
51 14.8 14.4 21.6

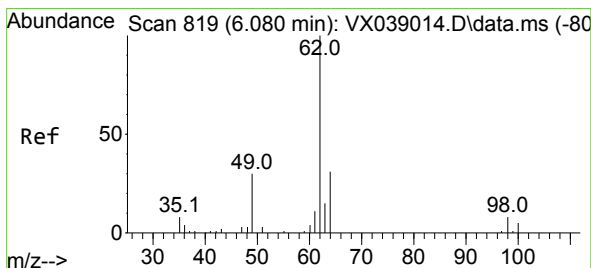
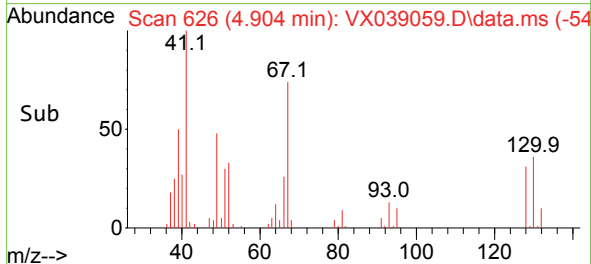
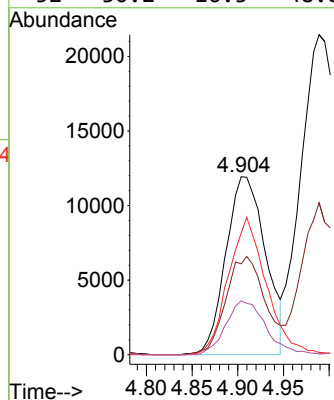
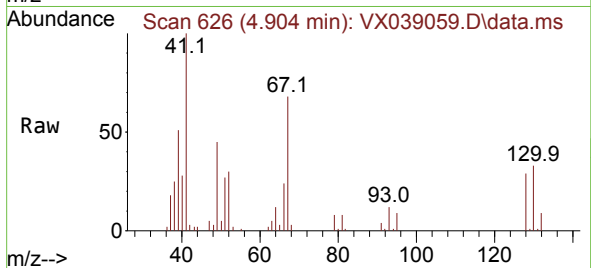




#35  
Methacrylonitrile  
Concen: 21.184 ug/l  
RT: 4.904 min Scan# 61  
Delta R.T. -0.018 min  
Lab File: VX039059.D  
Acq: 30 Nov 2023 09:39

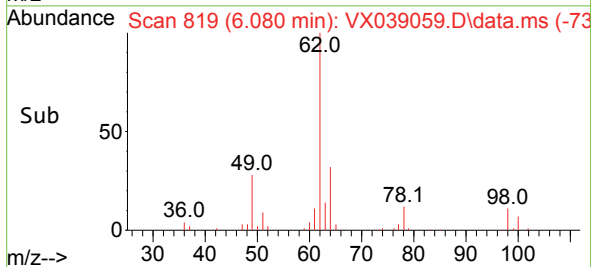
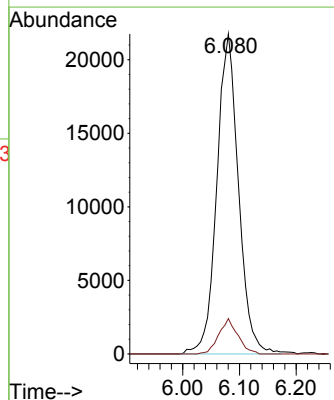
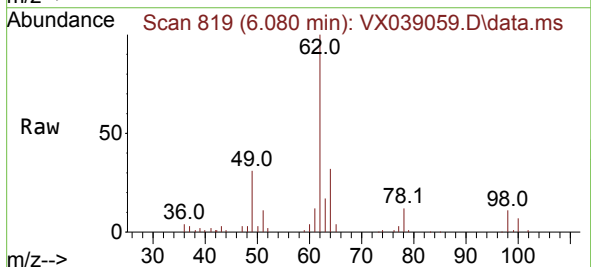
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

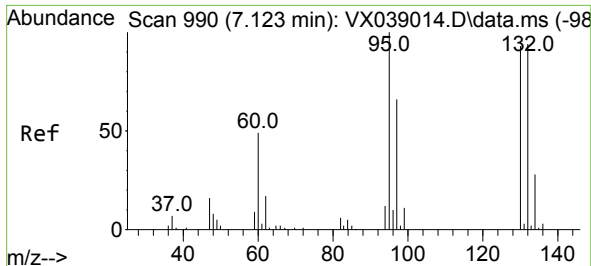
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 36076 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 51.1  | 28.2  | 84.7  |
| 67       | 68.2  | 34.5  | 103.5 |
| 52       | 30.2  | 16.3  | 48.8  |



#36  
1,2-Dichloroethane  
Concen: 21.137 ug/l  
RT: 6.080 min Scan# 819  
Delta R.T. 0.000 min  
Lab File: VX039059.D  
Acq: 30 Nov 2023 09:39

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 57691 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 9.7   | 7.0   | 10.4  |





#37

Trichloroethene

Concen: 21.910 ug/l

RT: 7.117 min Scan# 9

Delta R.T. -0.006 min

Lab File: VX039059.D

Acq: 30 Nov 2023 09:39

Instrument :

MSVOA\_X

ClientSampleId :

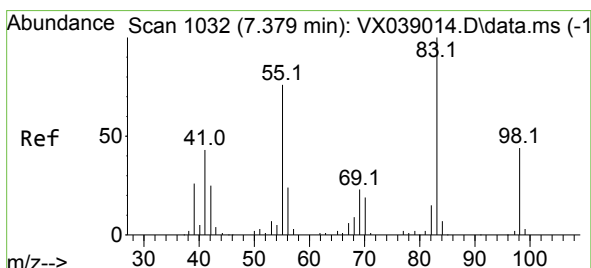
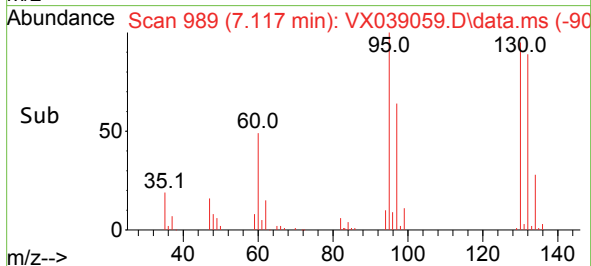
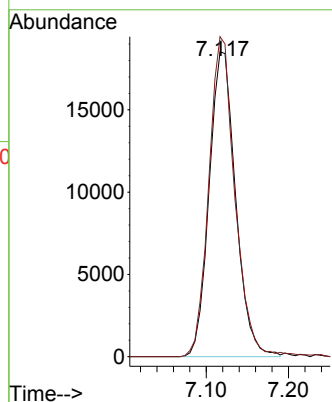
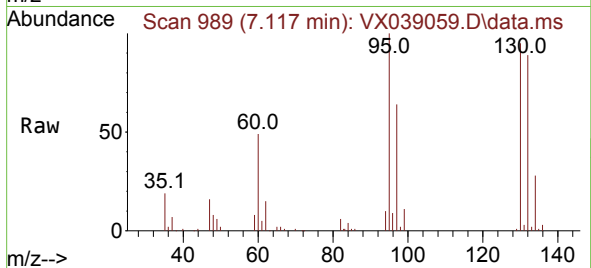
VSTDCCC020

Tgt Ion:130 Resp: 41364

Ion Ratio Lower Upper

130 100

95 105.0 85.8 128.8



#38

Methylcyclohexane

Concen: 21.910 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. -0.006 min

Lab File: VX039059.D

Acq: 30 Nov 2023 09:39

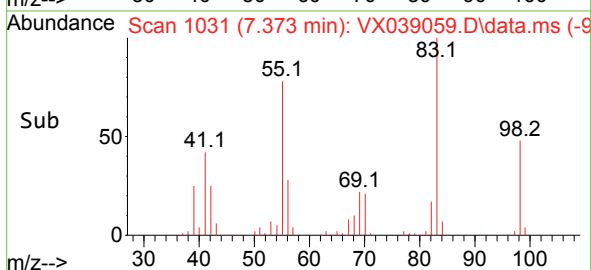
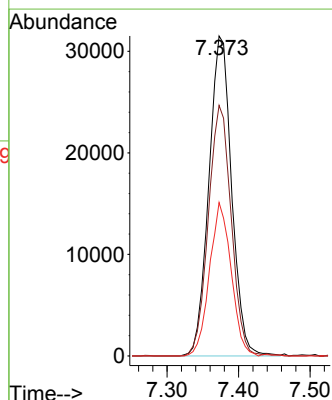
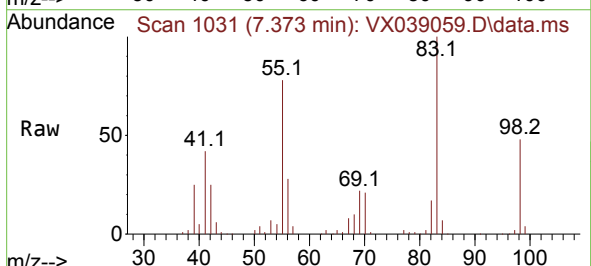
Tgt Ion: 83 Resp: 69708

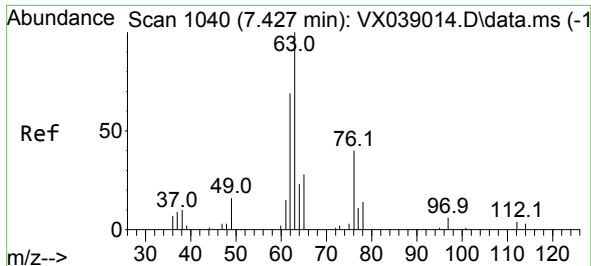
Ion Ratio Lower Upper

83 100

55 78.5 38.6 116.0

98 45.5 22.3 66.8





#39

1,2-Dichloropropane

Concen: 22.103 ug/l

RT: 7.422 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VX039059.D

Acq: 30 Nov 2023 09:39

Instrument :

MSVOA\_X

ClientSampleId :

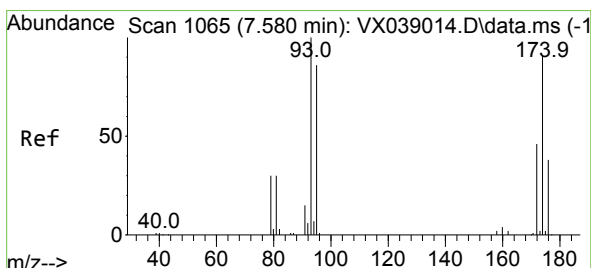
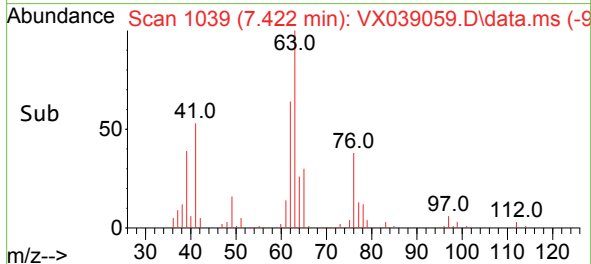
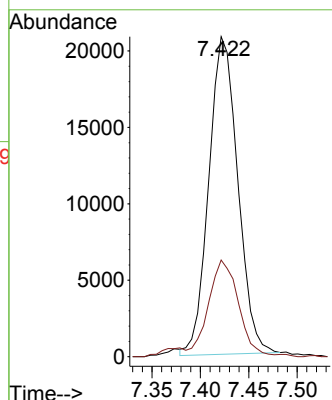
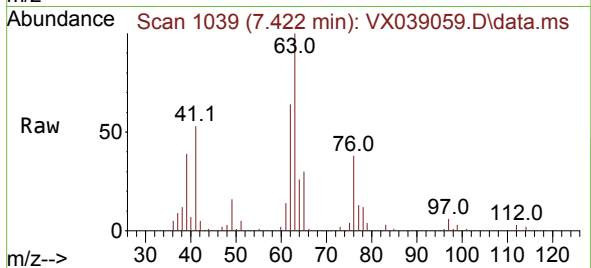
VSTDCCC020

Tgt Ion: 63 Resp: 43361

Ion Ratio Lower Upper

63 100

65 29.9 24.6 37.0



#40

Dibromomethane

Concen: 21.471 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. -0.006 min

Lab File: VX039059.D

Acq: 30 Nov 2023 09:39

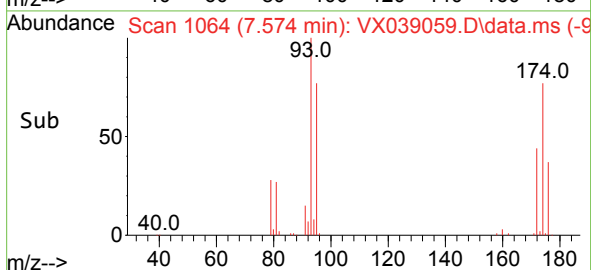
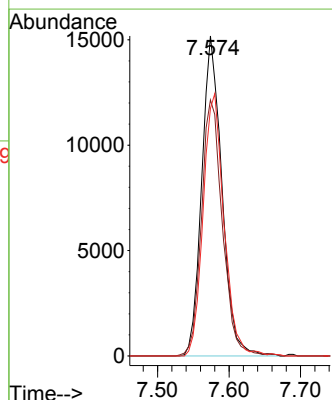
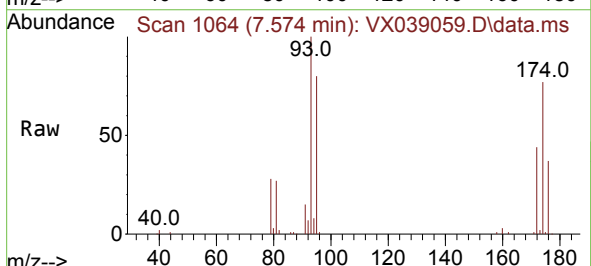
Tgt Ion: 93 Resp: 29761

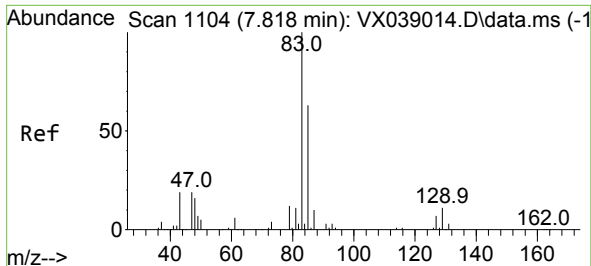
Ion Ratio Lower Upper

93 100

95 82.9 0.0 163.4

174 83.9 0.0 166.4

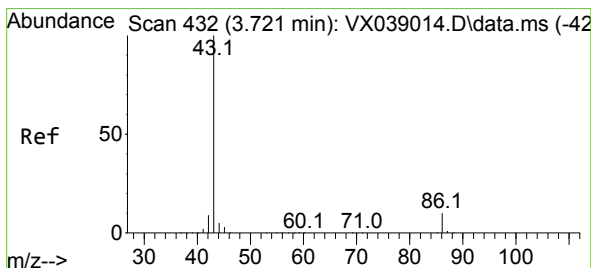
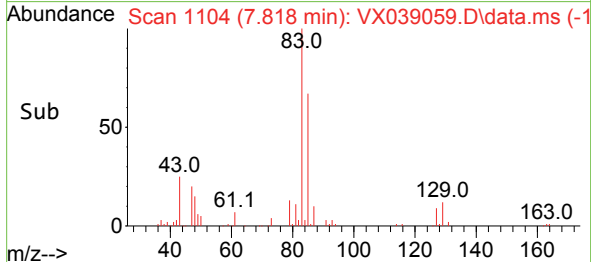
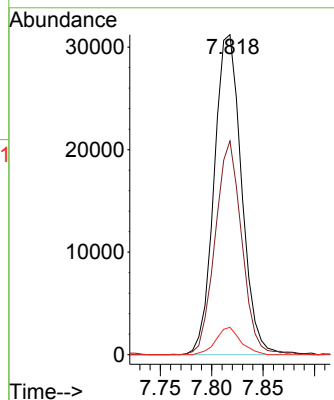
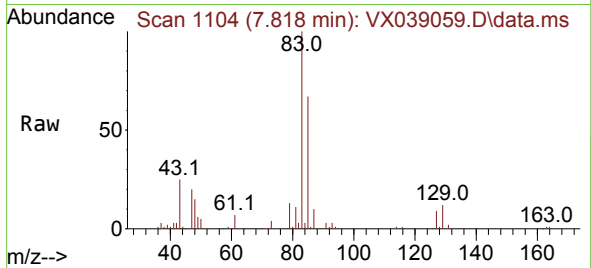




#41  
Bromodichloromethane  
Concen: 21.707 ug/l  
RT: 7.818 min Scan# 1104  
Delta R.T. 0.000 min  
Lab File: VX039059.D  
Acq: 30 Nov 2023 09:39

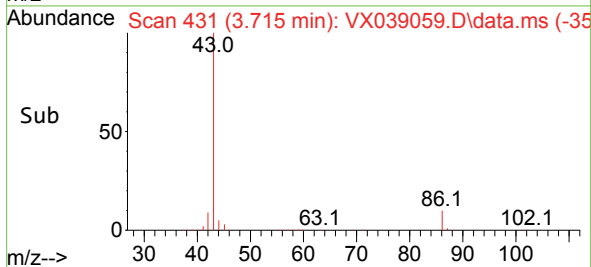
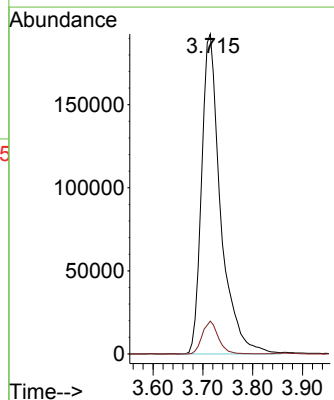
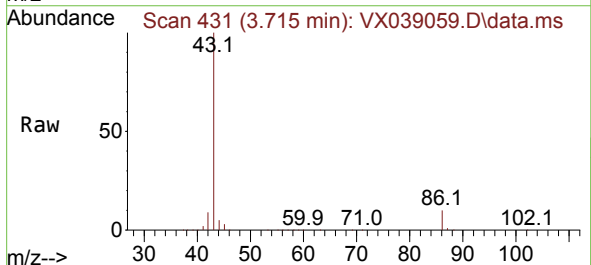
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

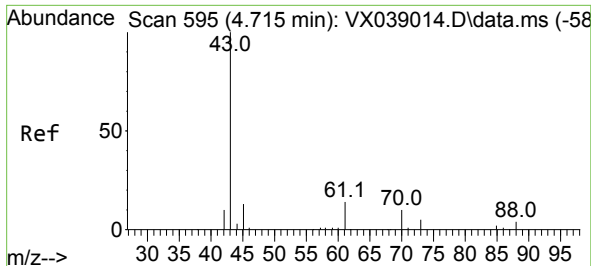
Tgt Ion: 83 Resp: 57802  
Ion Ratio Lower Upper  
83 100  
85 66.8 50.8 76.2  
127 8.6 5.9 8.9



#42  
Vinyl Acetate  
Concen: 111.497 ug/l  
RT: 3.715 min Scan# 431  
Delta R.T. -0.006 min  
Lab File: VX039059.D  
Acq: 30 Nov 2023 09:39

Tgt Ion: 43 Resp: 510550  
Ion Ratio Lower Upper  
43 100  
86 8.7 6.7 10.1

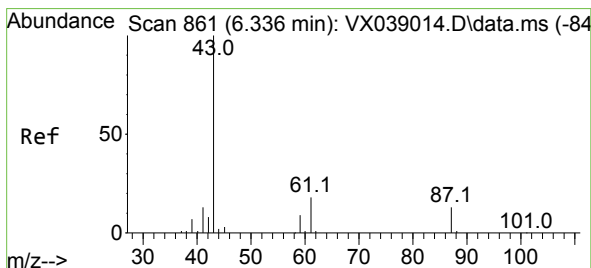
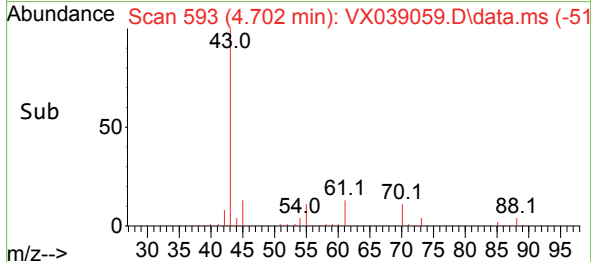
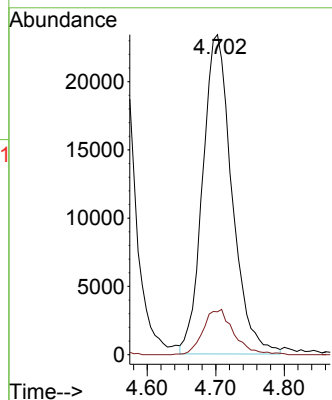
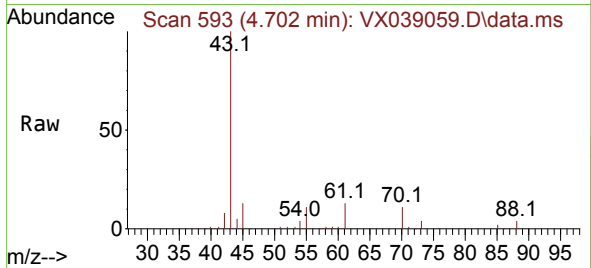




#43  
Ethyl Acetate  
Concen: 21.041 ug/l  
RT: 4.702 min Scan# 595  
Delta R.T. -0.012 min  
Lab File: VX039059.D  
Acq: 30 Nov 2023 09:39

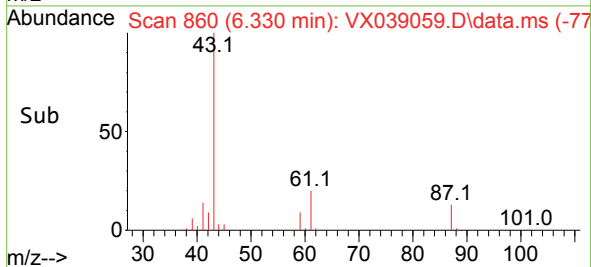
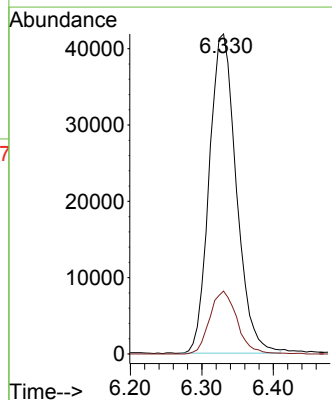
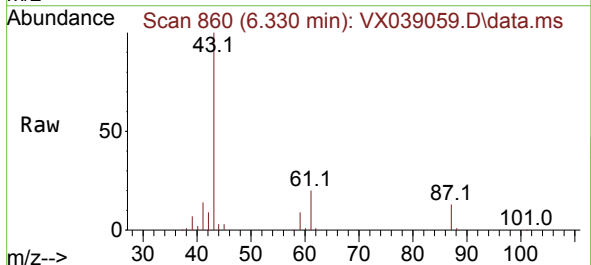
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

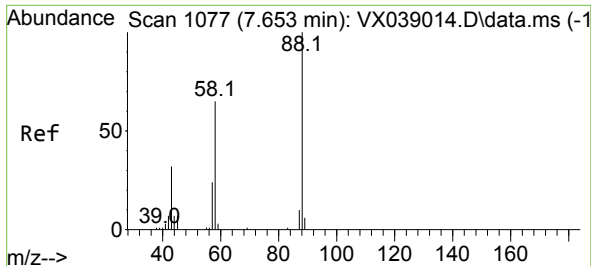
Tgt Ion: 43 Resp: 69595  
Ion Ratio Lower Upper  
43 100  
45 14.5 11.8 17.8



#44  
Isopropyl Acetate  
Concen: 21.096 ug/l  
RT: 6.330 min Scan# 860  
Delta R.T. -0.006 min  
Lab File: VX039059.D  
Acq: 30 Nov 2023 09:39

Tgt Ion: 43 Resp: 109997  
Ion Ratio Lower Upper  
43 100  
61 19.9 15.6 23.4

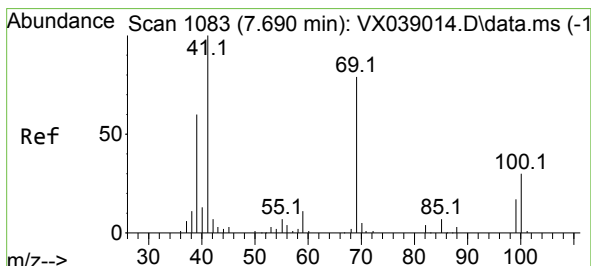
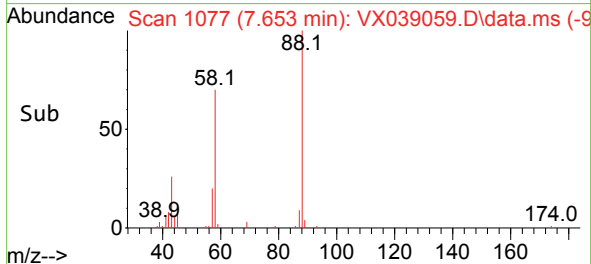
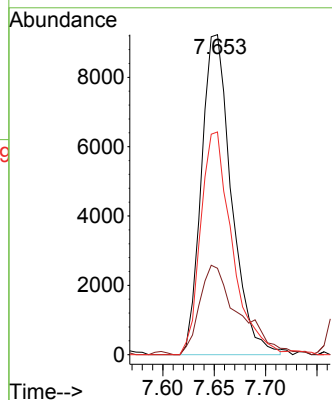
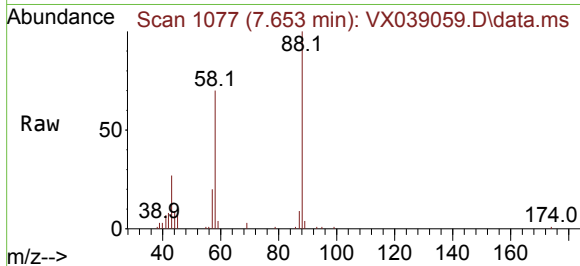




#45  
1,4-Dioxane  
Concen: 352.787 ug/l  
RT: 7.653 min Scan# 1077  
Delta R.T. 0.000 min  
Lab File: VX039059.D  
Acq: 30 Nov 2023 09:39

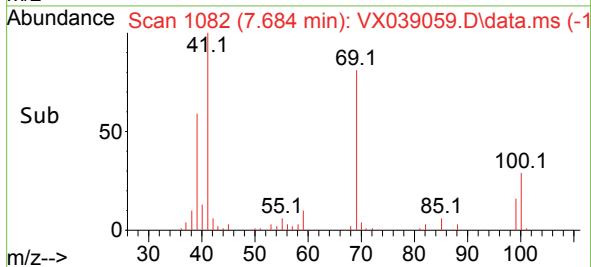
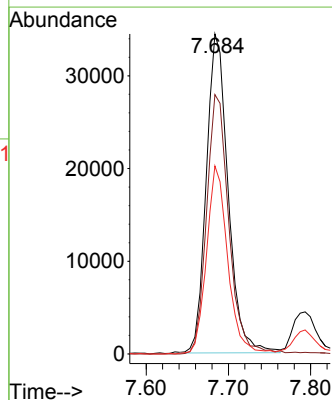
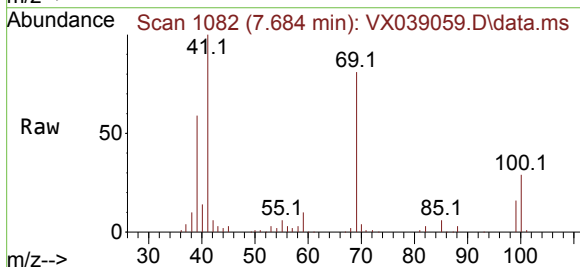
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

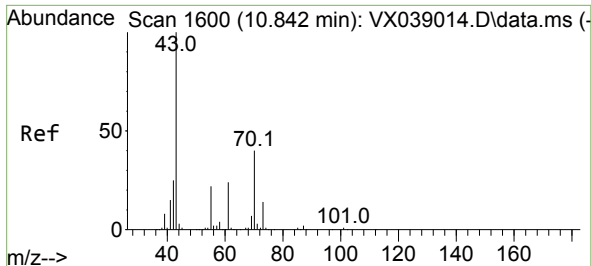
Tgt Ion: 88 Resp: 18778  
Ion Ratio Lower Upper  
88 100  
43 36.8 28.1 42.1  
58 72.8 57.7 86.5



#46  
Methyl methacrylate  
Concen: 21.321 ug/l  
RT: 7.684 min Scan# 1082  
Delta R.T. -0.006 min  
Lab File: VX039059.D  
Acq: 30 Nov 2023 09:39

Tgt Ion: 41 Resp: 63559  
Ion Ratio Lower Upper  
41 100  
69 81.5 39.6 118.8  
39 58.8 30.1 90.3

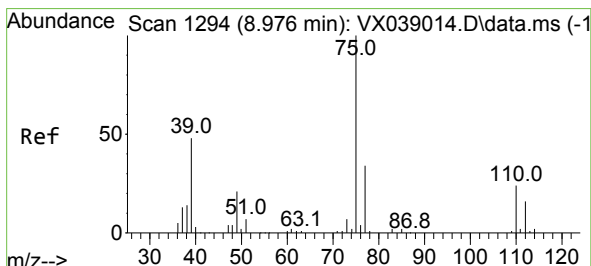
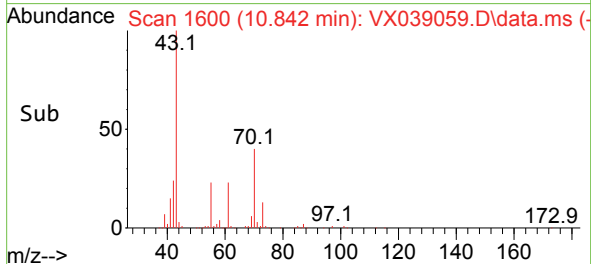
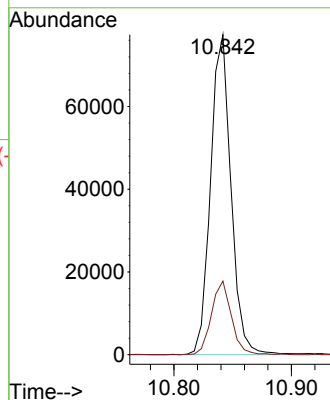
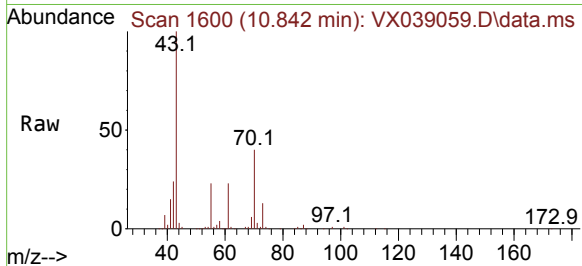




#47  
n-amy1 Acetate  
Concen: 21.125 ug/l  
RT: 10.842 min Scan# 1600  
Delta R.T. 0.000 min  
Lab File: VX039059.D  
Acq: 30 Nov 2023 09:39

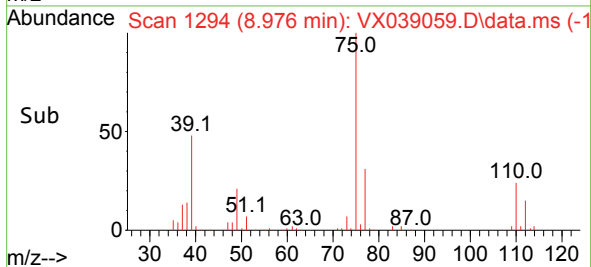
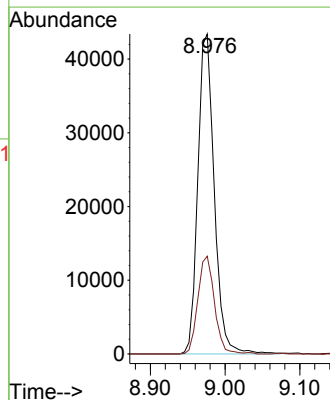
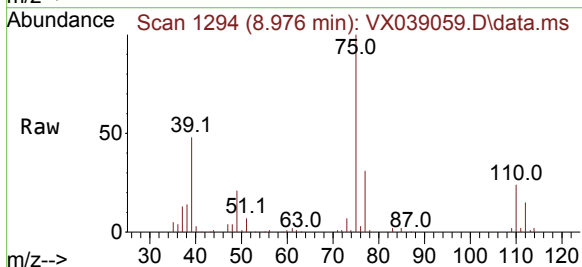
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

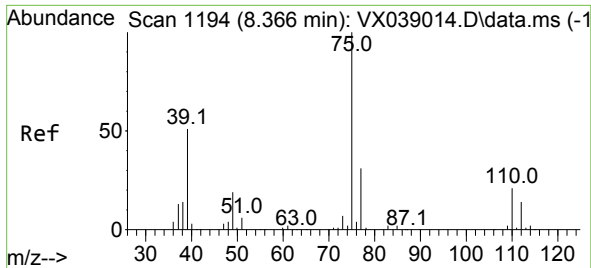
Tgt Ion: 43 Resp: 93229  
Ion Ratio Lower Upper  
43 100  
55 22.3 18.2 27.2



#48  
t-1,3-Dichloropropene  
Concen: 21.444 ug/l  
RT: 8.976 min Scan# 1294  
Delta R.T. 0.000 min  
Lab File: VX039059.D  
Acq: 30 Nov 2023 09:39

Tgt Ion: 75 Resp: 66210  
Ion Ratio Lower Upper  
75 100  
77 30.5 26.8 40.2





#49

cis-1,3-Dichloropropene

Concen: 21.947 ug/l

RT: 8.360 min Scan# 1194

Delta R.T. -0.006 min

Lab File: VX039059.D

Acq: 30 Nov 2023 09:39

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020

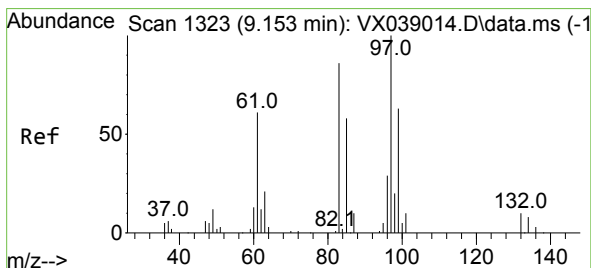
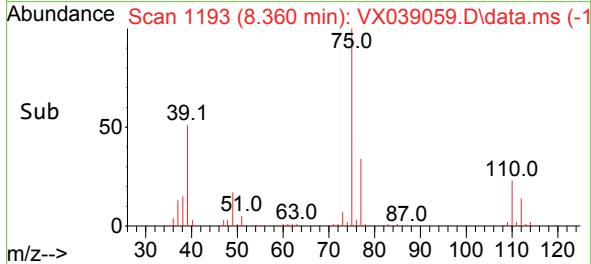
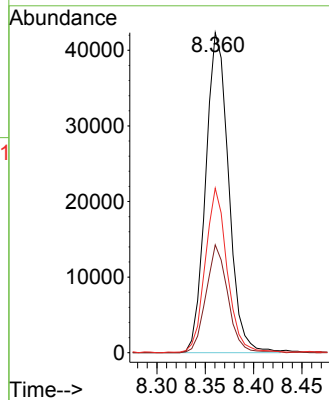
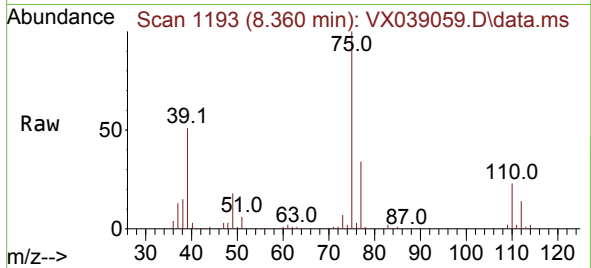
Tgt Ion: 75 Resp: 69906

Ion Ratio Lower Upper

75 100

77 33.7 24.4 36.6

39 51.2 40.6 60.8



#50

1,1,2-Trichloroethane

Concen: 22.442 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. -0.006 min

Lab File: VX039059.D

Acq: 30 Nov 2023 09:39

Tgt Ion: 97 Resp: 42255

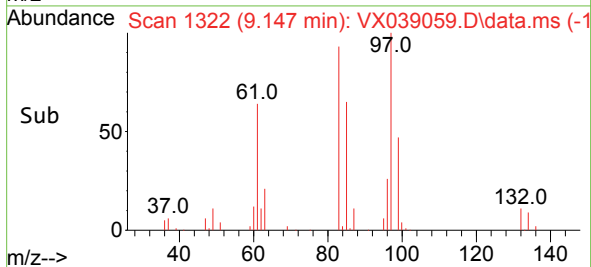
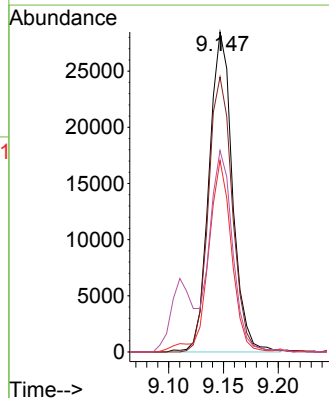
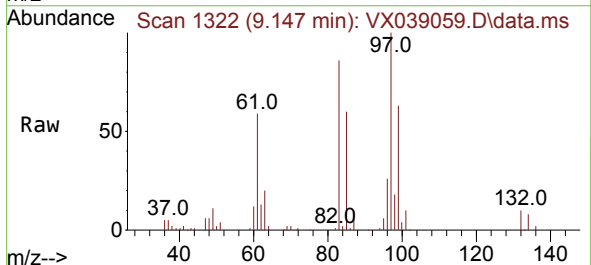
Ion Ratio Lower Upper

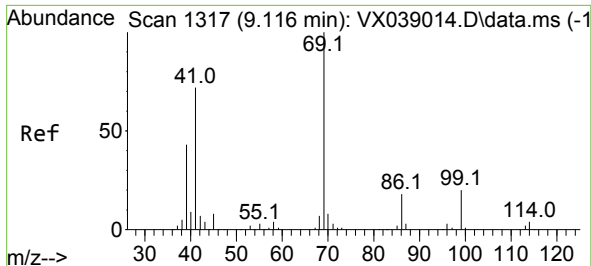
97 100

83 86.3 69.0 103.6

85 59.1 46.3 69.5

99 62.8 50.9 76.3

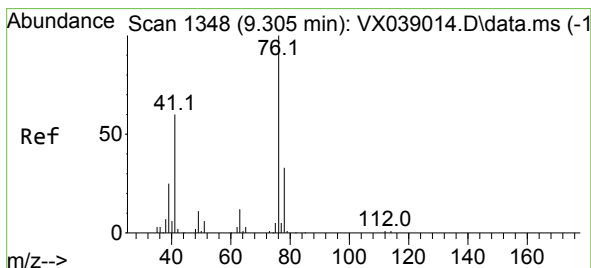
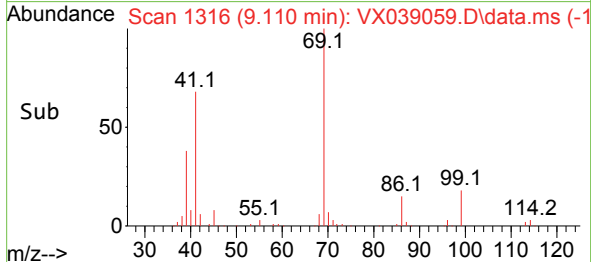
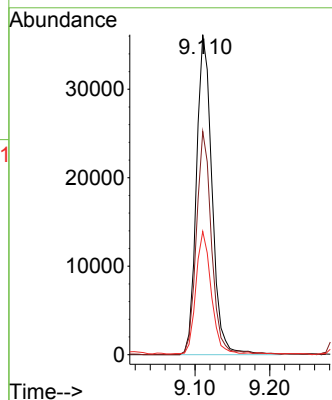
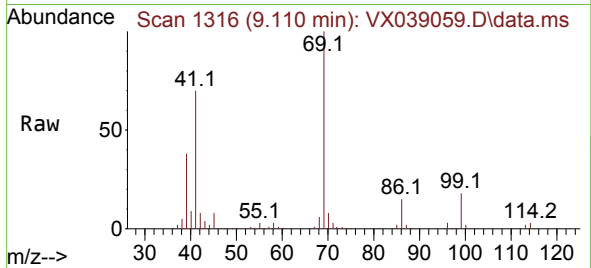




#51  
Ethyl methacrylate  
Concen: 22.200 ug/l  
RT: 9.110 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VX039059.D  
Acq: 30 Nov 2023 09:39

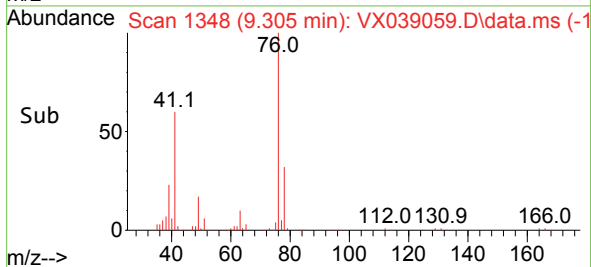
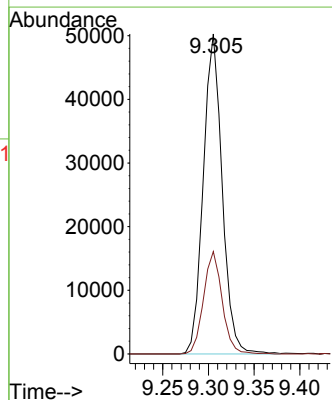
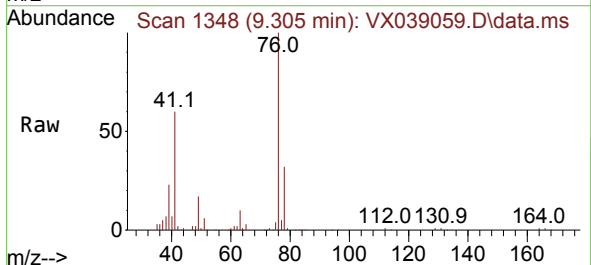
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

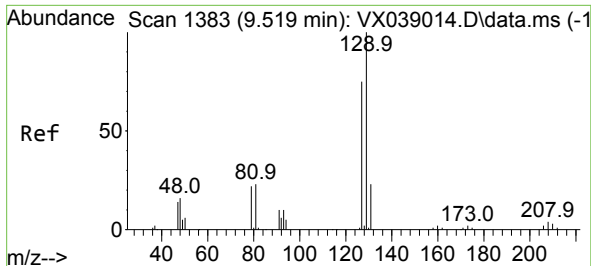
Tgt Ion: 69 Resp: 52325  
Ion Ratio Lower Upper  
69 100  
41 69.8 36.2 108.6  
39 38.1 21.1 63.4



#52  
1,3-Dichloropropane  
Concen: 22.352 ug/l  
RT: 9.305 min Scan# 1348  
Delta R.T. 0.000 min  
Lab File: VX039059.D  
Acq: 30 Nov 2023 09:39

Tgt Ion: 76 Resp: 72166  
Ion Ratio Lower Upper  
76 100  
78 31.4 0.0 65.0

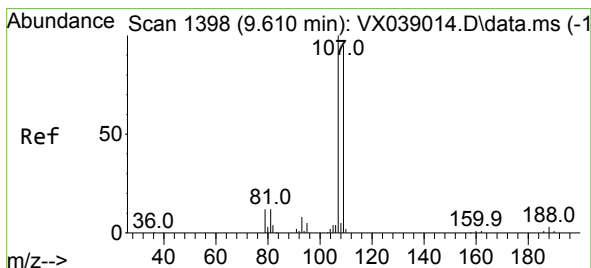
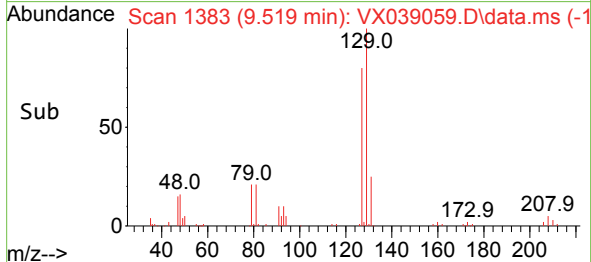
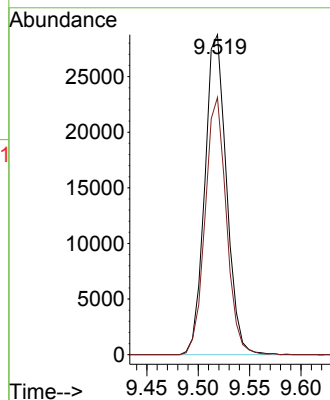
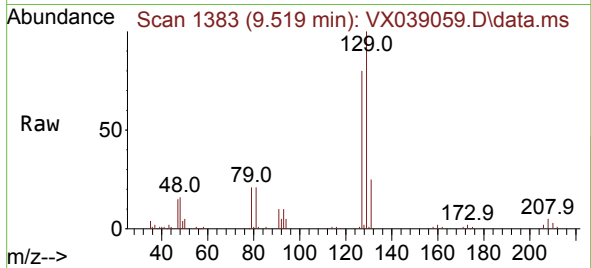




#53  
Dibromochloromethane  
Concen: 20.916 ug/l  
RT: 9.519 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX039059.D  
Acq: 30 Nov 2023 09:39

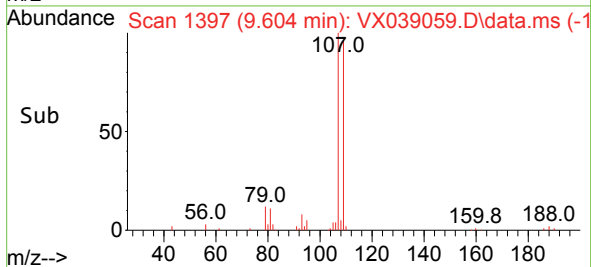
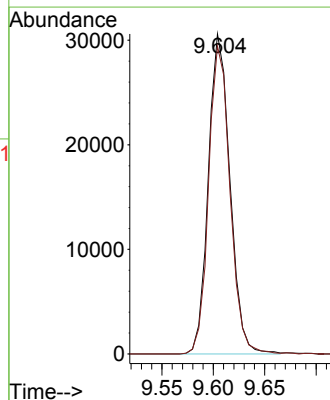
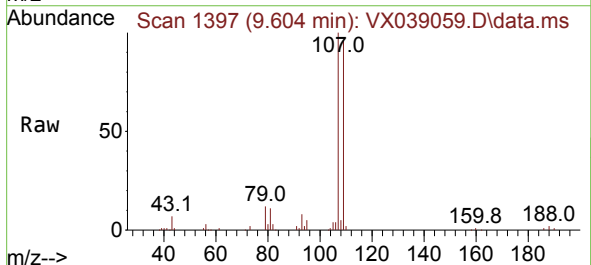
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

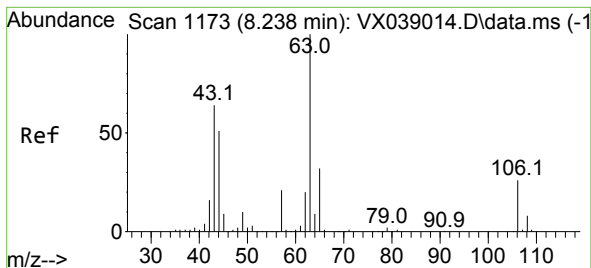
Tgt Ion:129 Resp: 42295  
Ion Ratio Lower Upper  
129 100  
127 78.7 38.3 114.9



#54  
1,2-Dibromoethane  
Concen: 21.682 ug/l  
RT: 9.604 min Scan# 1397  
Delta R.T. -0.006 min  
Lab File: VX039059.D  
Acq: 30 Nov 2023 09:39

Tgt Ion:107 Resp: 44769  
Ion Ratio Lower Upper  
107 100  
109 95.2 75.1 112.7





#55

2-Chloroethyl vinyl ether

Concen: 101.041 ug/l

RT: 8.232 min Scan# 1172

Delta R.T. -0.006 min

Lab File: VX039059.D

Acq: 30 Nov 2023 09:39

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020

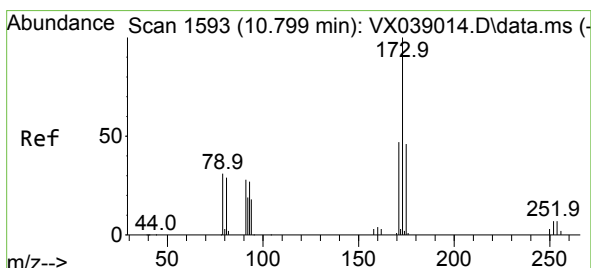
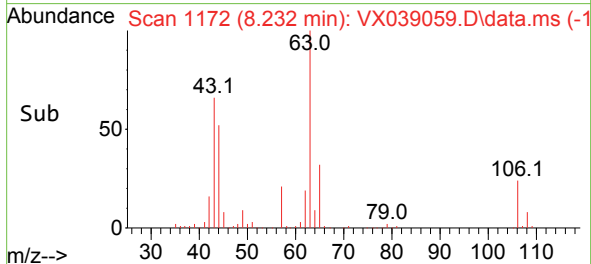
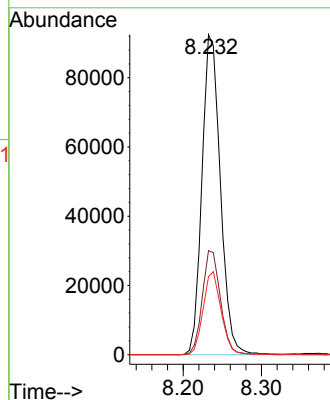
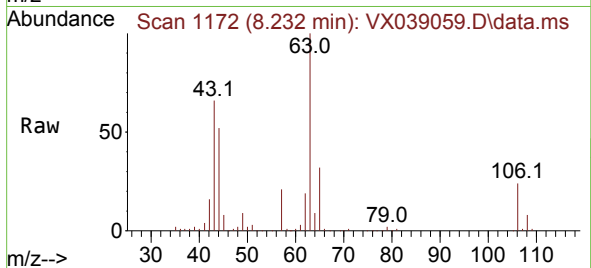
Tgt Ion: 63 Resp: 150949

Ion Ratio Lower Upper

63 100

65 32.1 25.8 38.6

106 25.3 20.6 31.0



#56

Bromoform

Concen: 20.383 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX039059.D

Acq: 30 Nov 2023 09:39

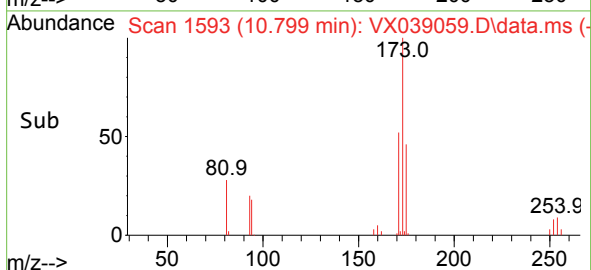
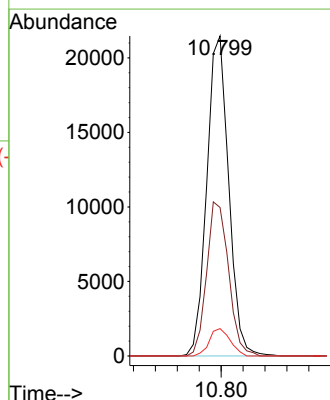
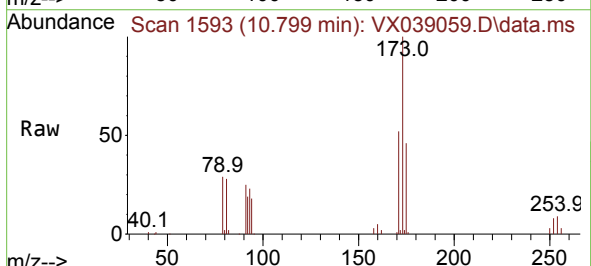
Tgt Ion:173 Resp: 29748

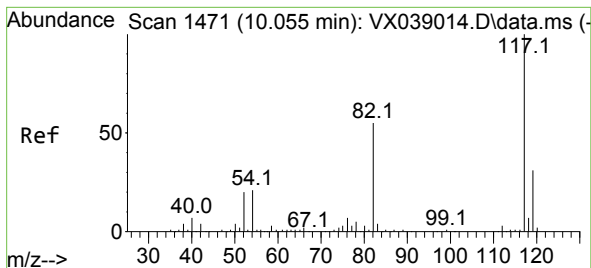
Ion Ratio Lower Upper

173 100

175 48.1 37.6 56.4

254 8.2 5.8 8.8

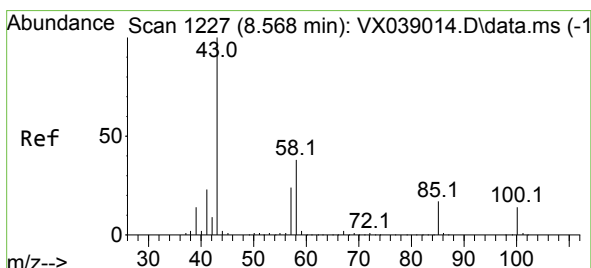
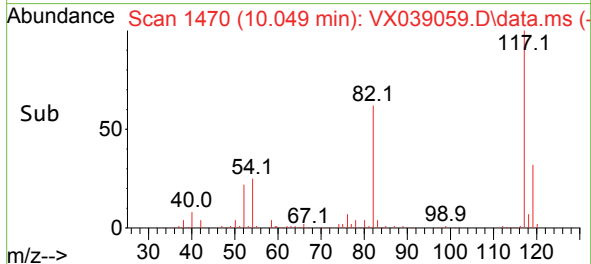
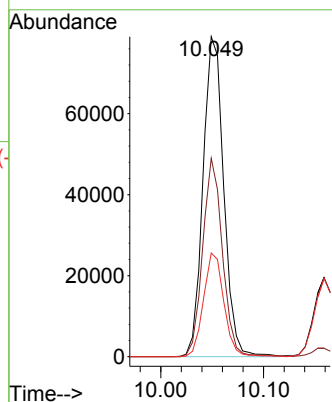
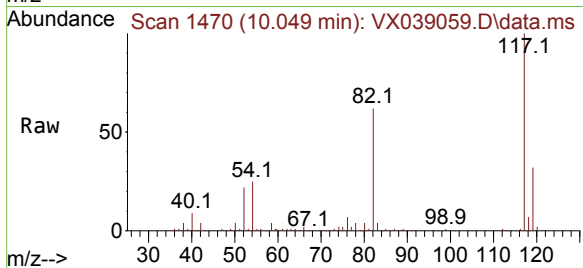




#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 10.049 min Scan# 1470  
Delta R.T. -0.006 min  
Lab File: VX039059.D  
Acq: 30 Nov 2023 09:39

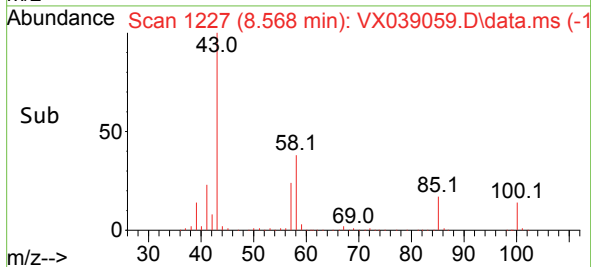
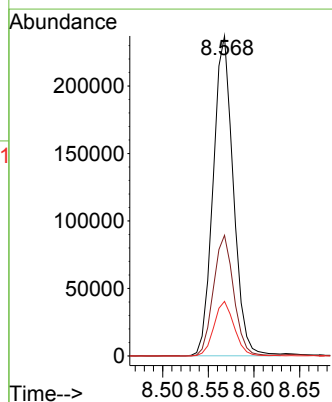
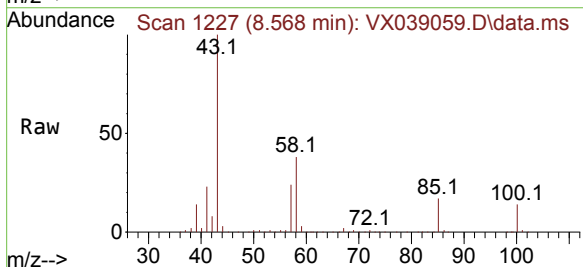
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

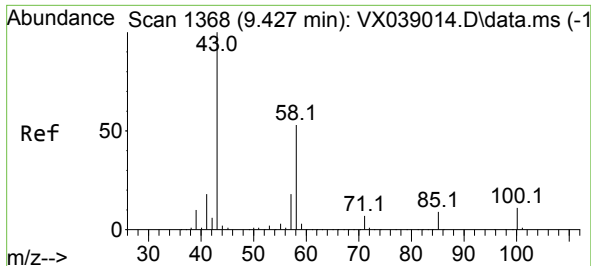
Tgt Ion:117 Resp: 110974  
Ion Ratio Lower Upper  
117 100  
82 59.2 47.0 70.6  
119 31.9 25.2 37.8



#58  
4-Methyl-2-Pentanone  
Concen: 107.838 ug/l  
RT: 8.568 min Scan# 1227  
Delta R.T. 0.000 min  
Lab File: VX039059.D  
Acq: 30 Nov 2023 09:39

Tgt Ion: 43 Resp: 362903  
Ion Ratio Lower Upper  
43 100  
58 38.1 30.1 45.1  
85 17.1 13.9 20.9

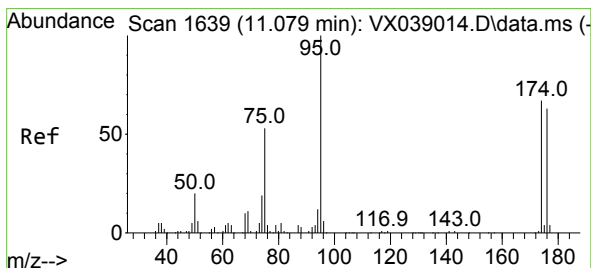
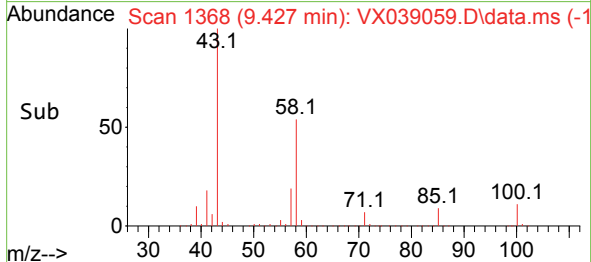
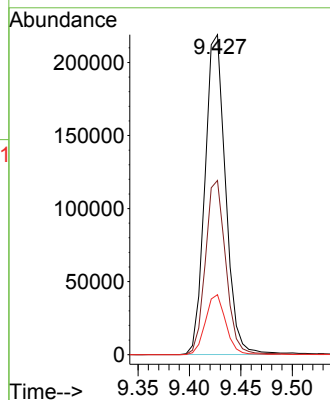
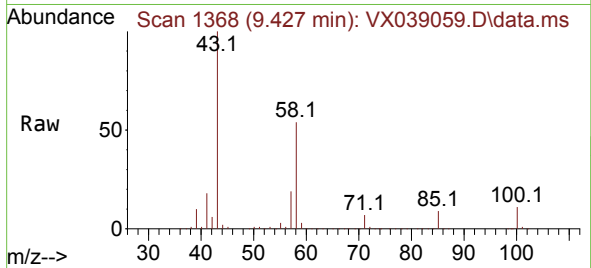




#59  
2-Hexanone  
Concen: 110.594 ug/l  
RT: 9.427 min Scan# 1368  
Delta R.T. 0.000 min  
Lab File: VX039059.D  
Acq: 30 Nov 2023 09:39

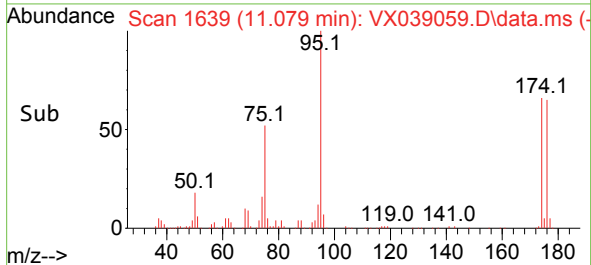
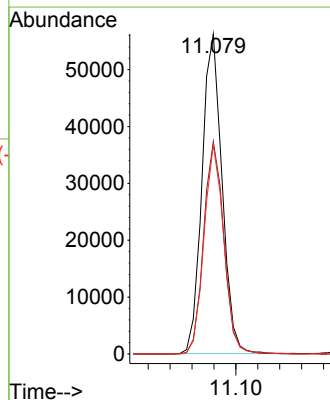
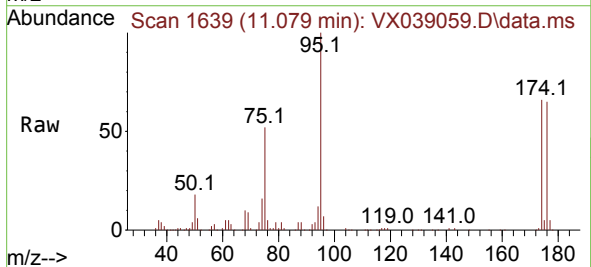
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

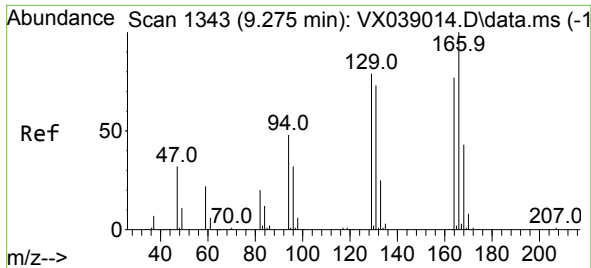
Tgt Ion: 43 Resp: 305499  
Ion Ratio Lower Upper  
43 100  
58 54.1 42.7 64.1  
57 18.6 14.8 22.2



#60  
4-Bromofluorobenzene  
Concen: 29.424 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX039059.D  
Acq: 30 Nov 2023 09:39

Tgt Ion: 95 Resp: 71319  
Ion Ratio Lower Upper  
95 100  
174 66.6 55.4 83.2  
176 64.5 52.6 78.8

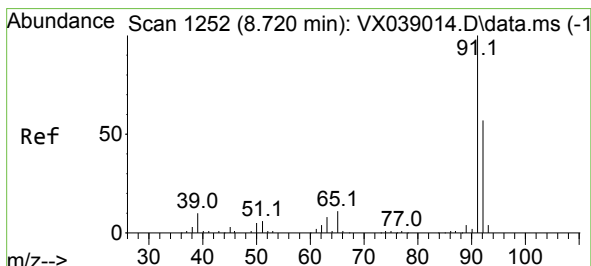
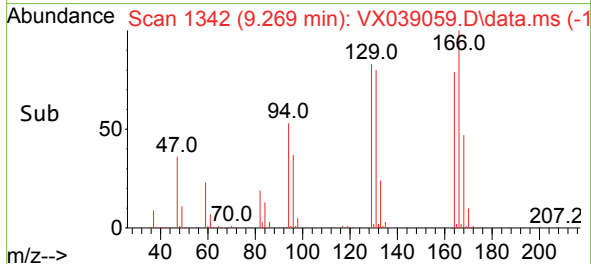
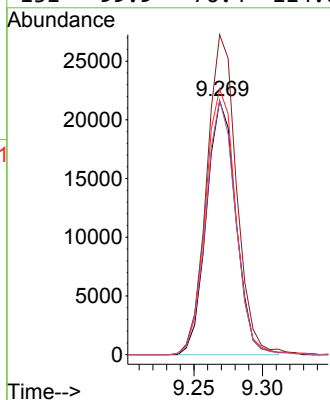
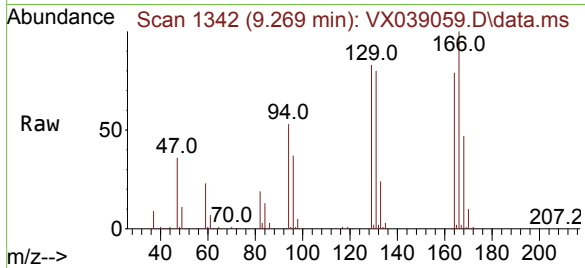




#61  
Tetrachloroethene  
Concen: 22.311 ug/l  
RT: 9.269 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VX039059.D  
Acq: 30 Nov 2023 09:39

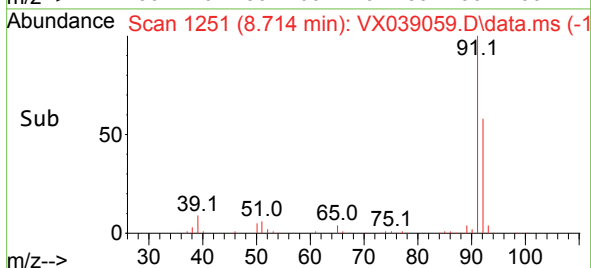
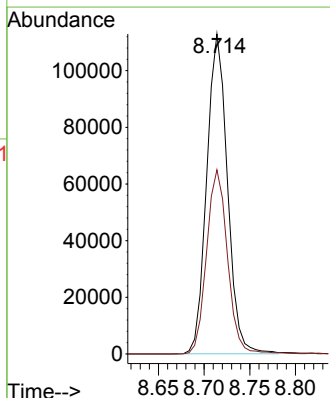
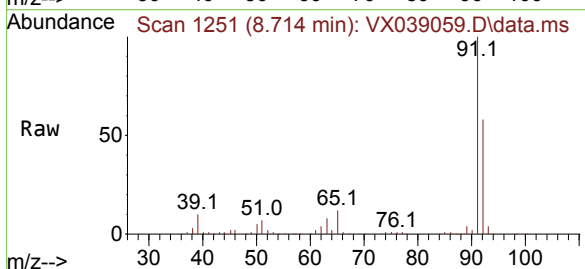
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

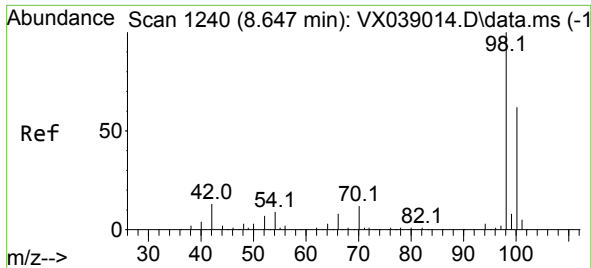
Tgt Ion:164 Resp: 32191  
Ion Ratio Lower Upper  
164 100  
166 125.7 104.0 156.0  
129 104.1 82.0 123.0  
131 99.9 76.4 114.6



#62  
Toluene  
Concen: 22.566 ug/l  
RT: 8.714 min Scan# 1251  
Delta R.T. -0.006 min  
Lab File: VX039059.D  
Acq: 30 Nov 2023 09:39

Tgt Ion: 91 Resp: 177790  
Ion Ratio Lower Upper  
91 100  
92 58.2 45.9 68.9

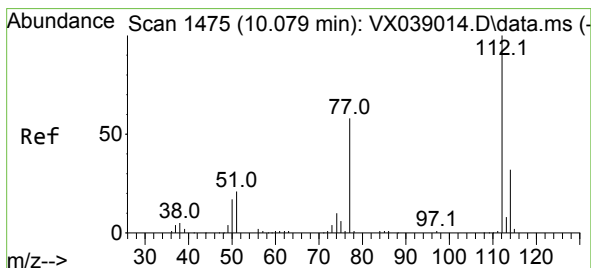
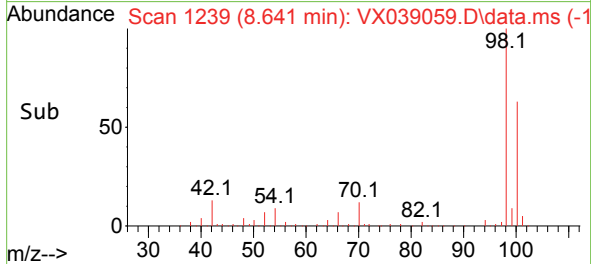
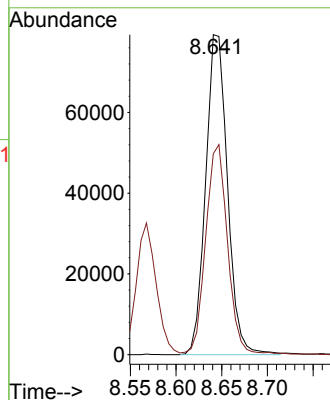
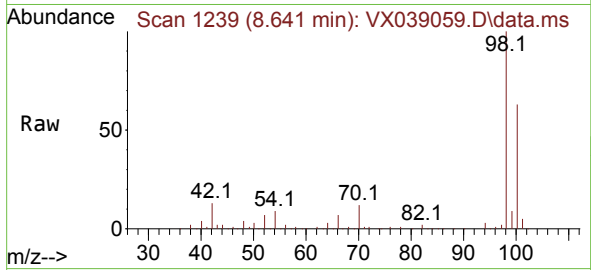




#63  
Toluene-d8  
Concen: 29.998 ug/l  
RT: 8.641 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VX039059.D  
Acq: 30 Nov 2023 09:39

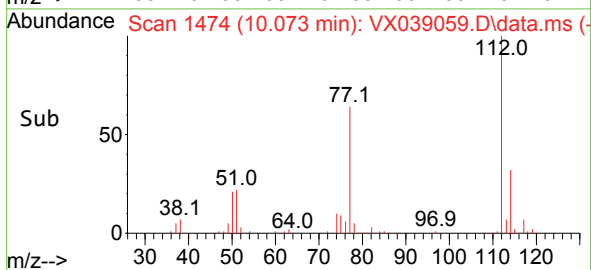
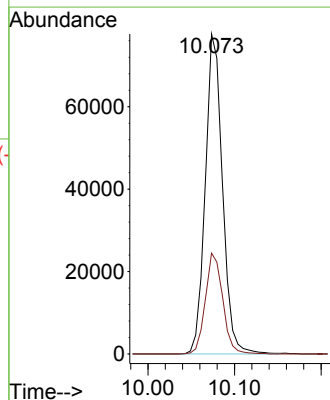
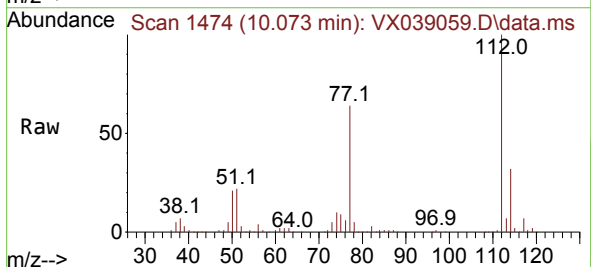
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

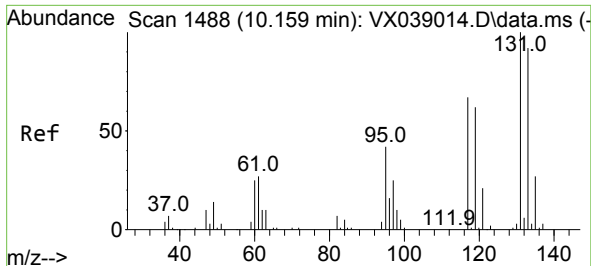
Tgt Ion: 98 Resp: 131617  
Ion Ratio Lower Upper  
98 100  
100 64.0 51.0 76.4



#64  
Chlorobenzene  
Concen: 22.375 ug/l  
RT: 10.073 min Scan# 1474  
Delta R.T. -0.006 min  
Lab File: VX039059.D  
Acq: 30 Nov 2023 09:39

Tgt Ion: 112 Resp: 107232  
Ion Ratio Lower Upper  
112 100  
114 31.5 25.9 38.9





#65

1,1,1,2-Tetrachloroethane

Concen: 22.397 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. 0.000 min

Lab File: VX039059.D

Acq: 30 Nov 2023 09:39

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020

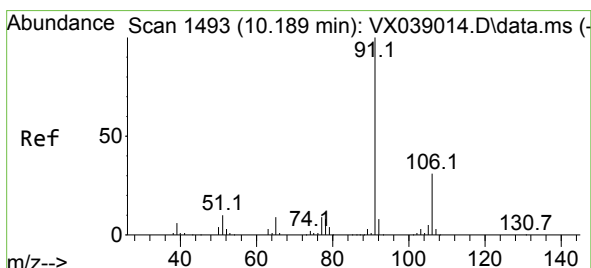
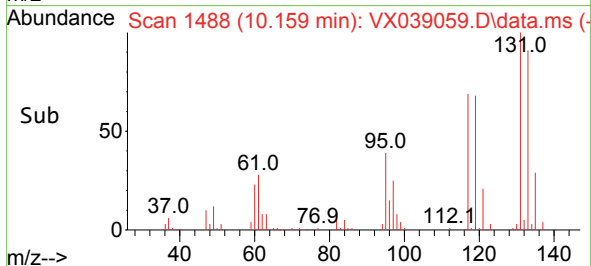
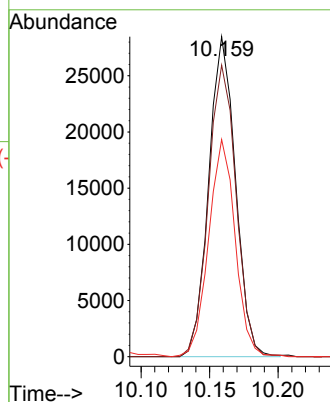
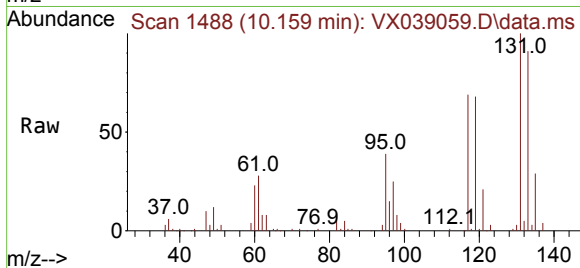
Tgt Ion:131 Resp: 38657

Ion Ratio Lower Upper

131 100

133 94.3 0.0 191.8

119 67.1 0.0 135.4



#66

Ethyl Benzene

Concen: 22.631 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX039059.D

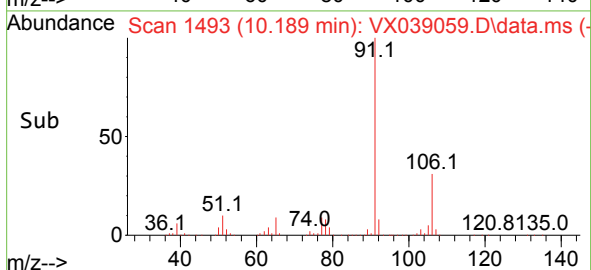
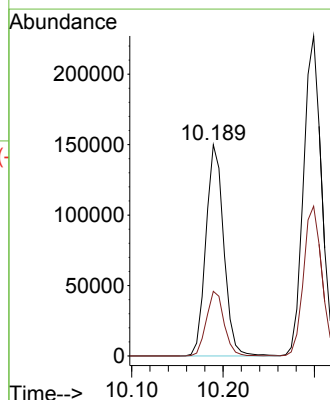
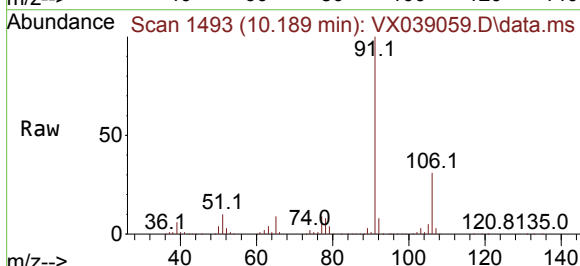
Acq: 30 Nov 2023 09:39

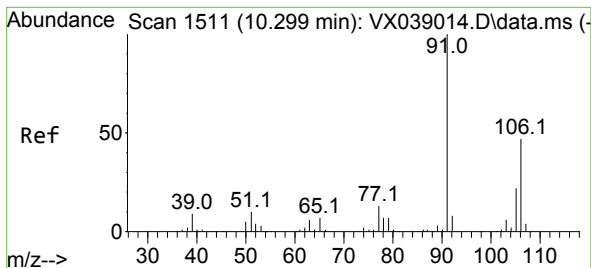
Tgt Ion: 91 Resp: 203034

Ion Ratio Lower Upper

91 100

106 30.6 24.4 36.6

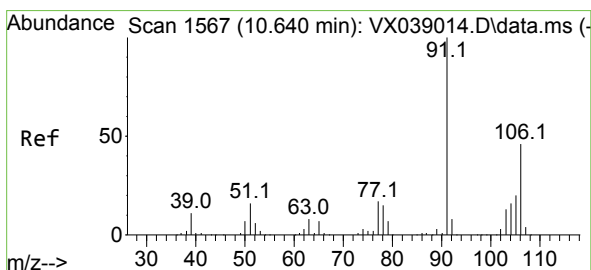
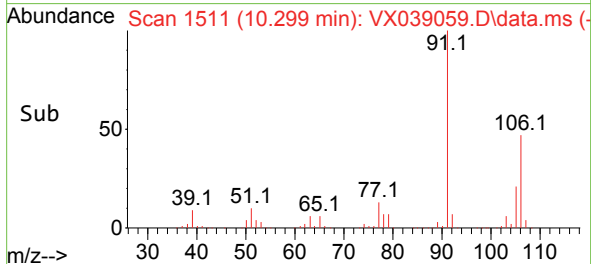
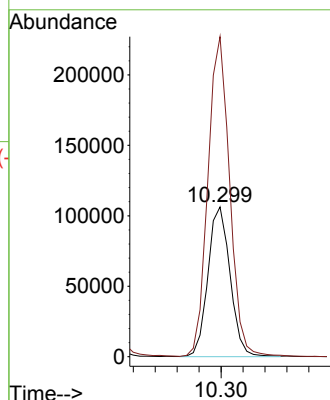
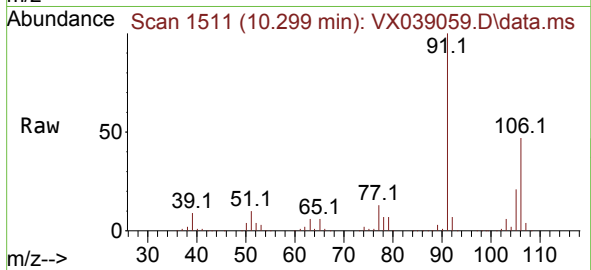




#67  
m/p-Xylenes  
Concen: 45.133 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. 0.000 min  
Lab File: VX039059.D  
Acq: 30 Nov 2023 09:39

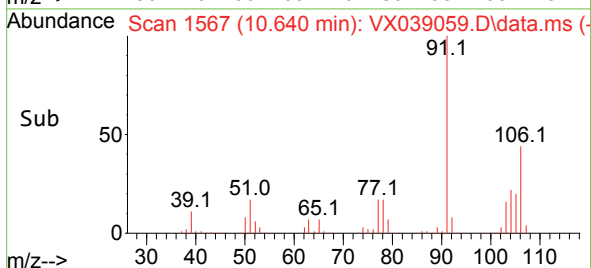
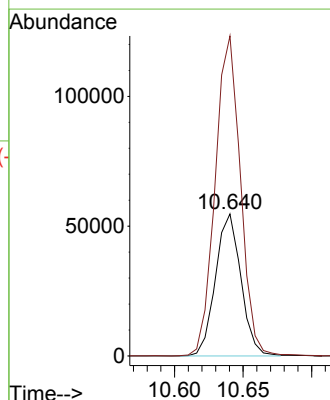
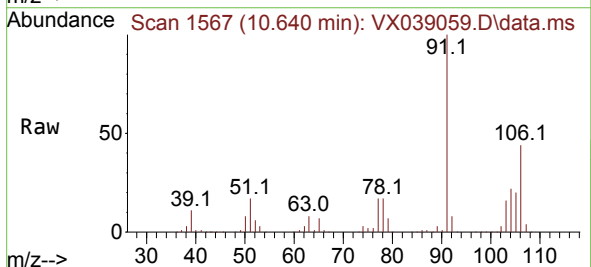
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

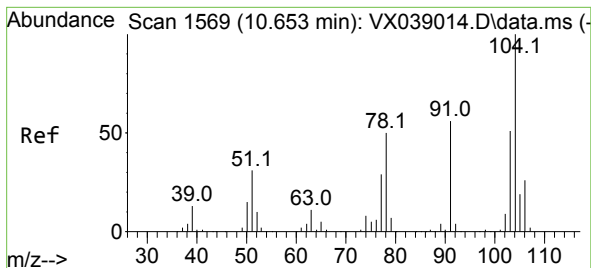
Tgt Ion:106 Resp: 149622  
Ion Ratio Lower Upper  
106 100  
91 210.2 169.4 254.0



#68  
o-Xylene  
Concen: 22.001 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. 0.000 min  
Lab File: VX039059.D  
Acq: 30 Nov 2023 09:39

Tgt Ion:106 Resp: 70650  
Ion Ratio Lower Upper  
106 100  
91 224.5 111.2 333.6





#69

Styrene

Concen: 22.372 ug/l

RT: 10.653 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX039059.D

Acq: 30 Nov 2023 09:39

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020

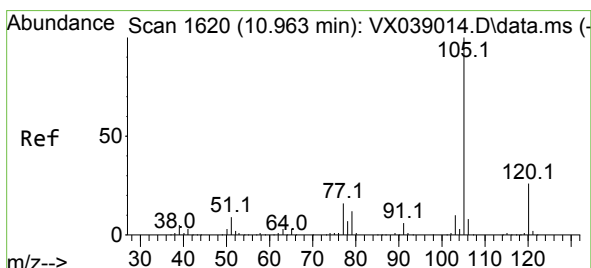
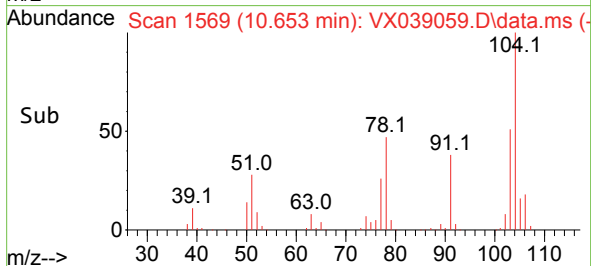
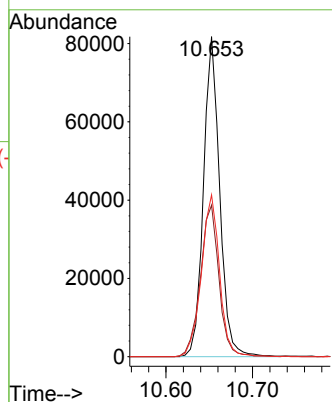
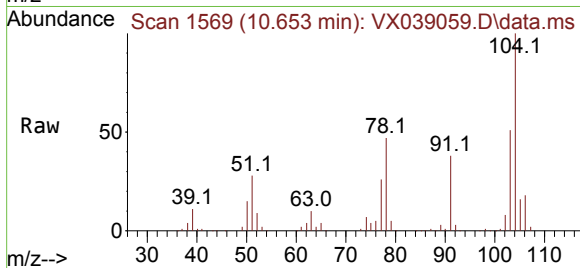
Tgt Ion:104 Resp: 106325

Ion Ratio Lower Upper

104 100

78 54.2 43.7 65.5

103 56.7 44.6 67.0



#70

Isopropylbenzene

Concen: 22.199 ug/l

RT: 10.957 min Scan# 1619

Delta R.T. -0.006 min

Lab File: VX039059.D

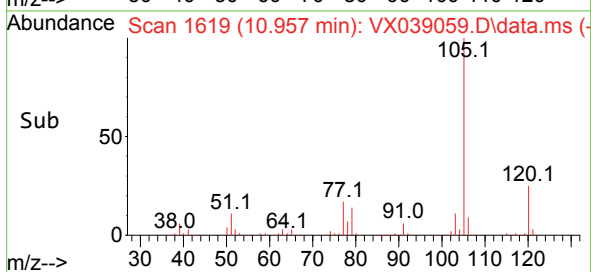
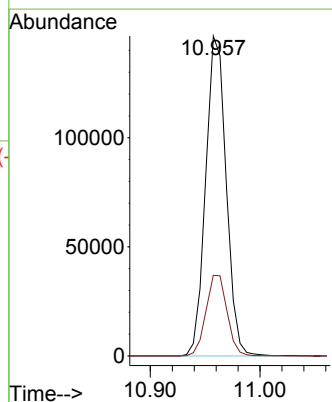
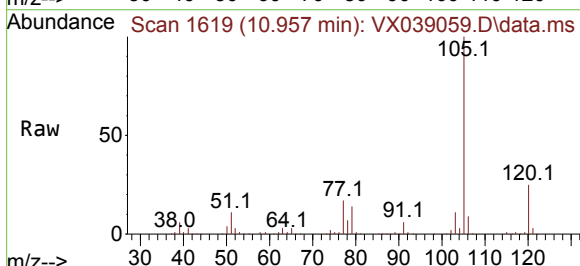
Acq: 30 Nov 2023 09:39

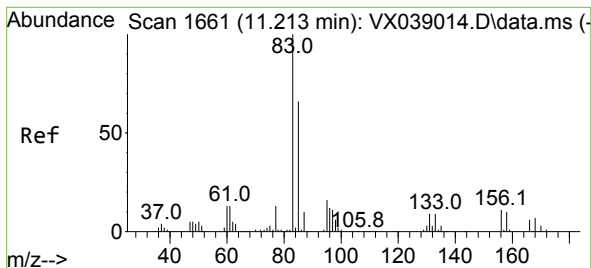
Tgt Ion:105 Resp: 190730

Ion Ratio Lower Upper

105 100

120 26.0 18.5 34.3

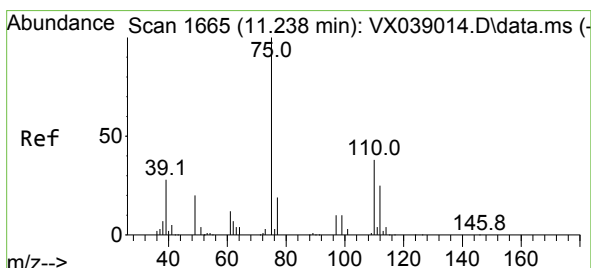
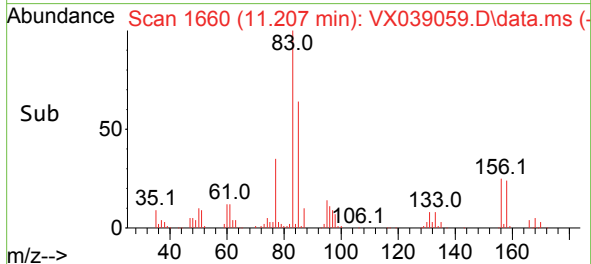
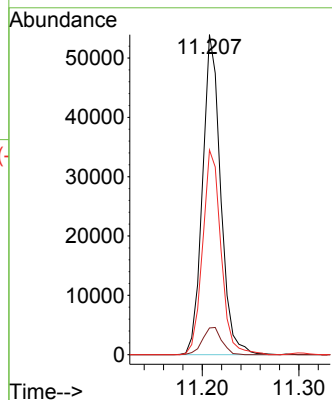
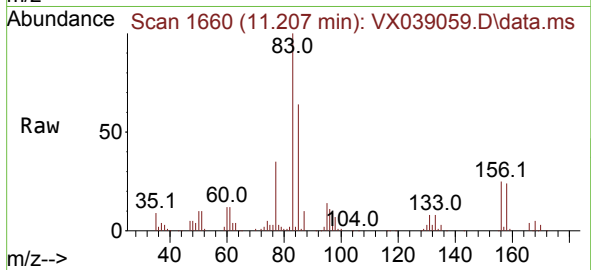




#71  
 1,1,2,2-Tetrachloroethane  
 Concen: 21.926 ug/l  
 RT: 11.207 min Scan# 1660  
 Delta R.T. -0.006 min  
 Lab File: VX039059.D  
 Acq: 30 Nov 2023 09:39

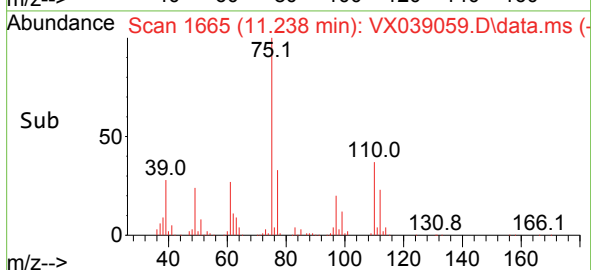
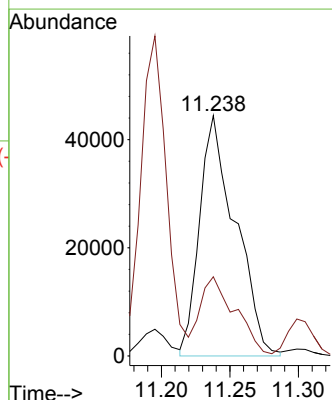
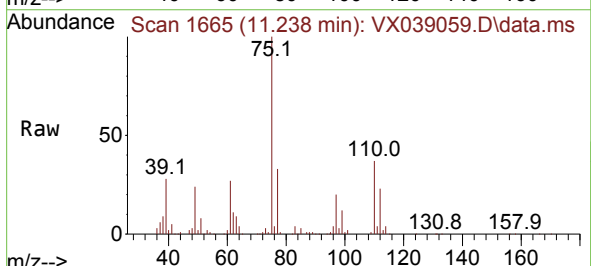
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020

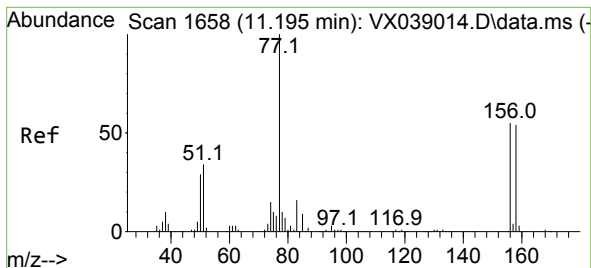
Tgt Ion: 83 Resp: 70328  
 Ion Ratio Lower Upper  
 83 100  
 131 9.0 4.6 13.8  
 85 64.9 32.5 97.4



#72  
 1,2,3-Trichloropropane  
 Concen: 29.843 ug/l  
 RT: 11.238 min Scan# 1665  
 Delta R.T. 0.000 min  
 Lab File: VX039059.D  
 Acq: 30 Nov 2023 09:39

Tgt Ion: 75 Resp: 80998  
 Ion Ratio Lower Upper  
 75 100  
 77 32.5 0.0 76.4





#73

Bromobenzene

Concen: 21.886 ug/l

RT: 11.195 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX039059.D

Acq: 30 Nov 2023 09:39

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020

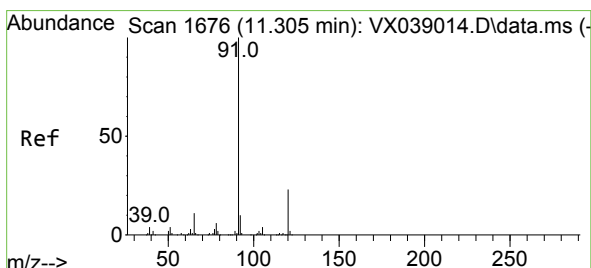
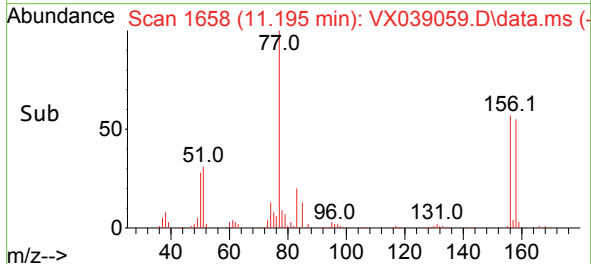
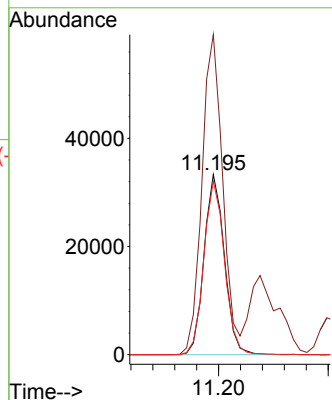
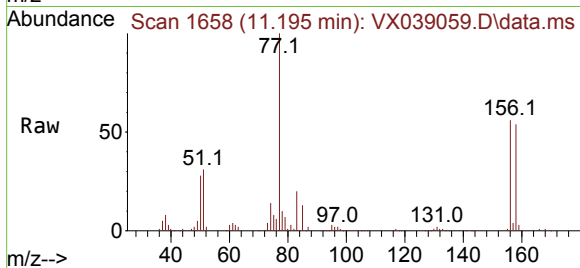
Tgt Ion:156 Resp: 42812

Ion Ratio Lower Upper

156 100

77 182.0 0.0 363.2

158 98.2 0.0 197.8



#74

n-propylbenzene

Concen: 22.383 ug/l

RT: 11.299 min Scan# 1675

Delta R.T. -0.006 min

Lab File: VX039059.D

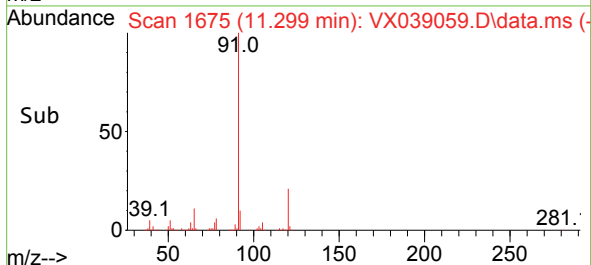
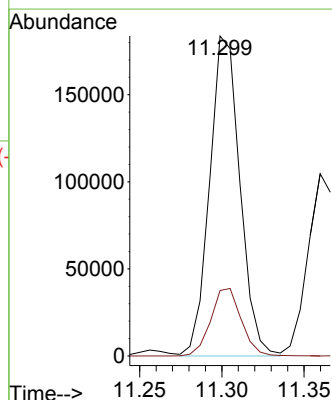
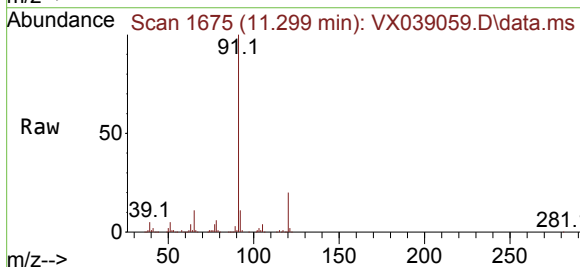
Acq: 30 Nov 2023 09:39

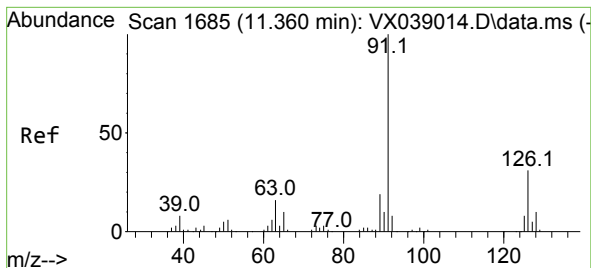
Tgt Ion: 91 Resp: 235622

Ion Ratio Lower Upper

91 100

120 21.3 0.0 43.4





#75

2-Chlorotoluene

Concen: 22.270 ug/l

RT: 11.360 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX039059.D

Acq: 30 Nov 2023 09:39

Instrument :

MSVOA\_X

ClientSampleId :

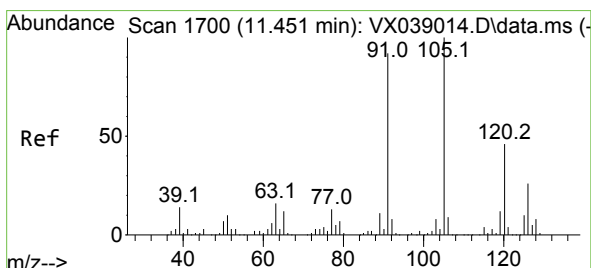
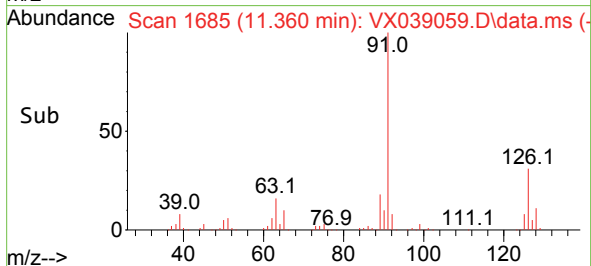
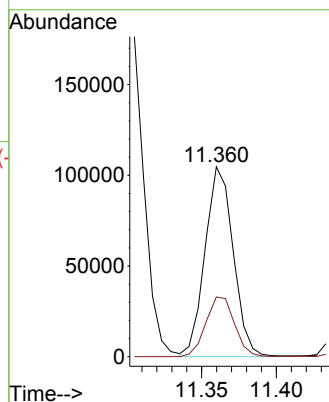
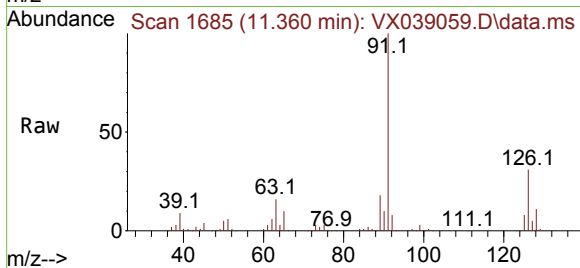
VSTDCCC020

Tgt Ion: 91 Resp: 137539

Ion Ratio Lower Upper

91 100

126 32.1 0.0 64.2



#76

1,3,5-Trimethylbenzene

Concen: 22.093 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX039059.D

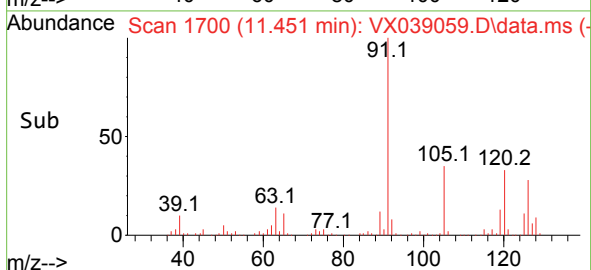
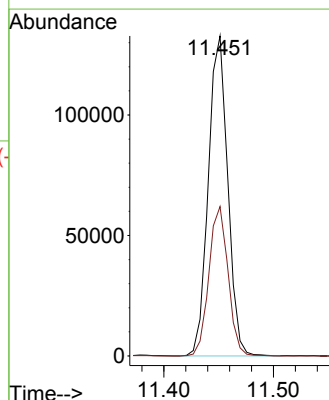
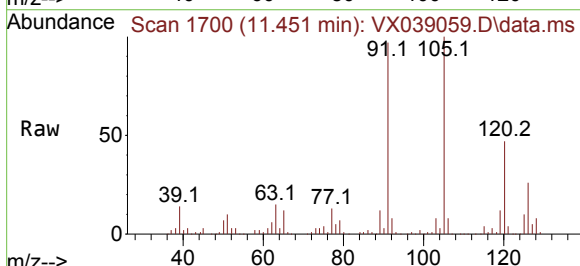
Acq: 30 Nov 2023 09:39

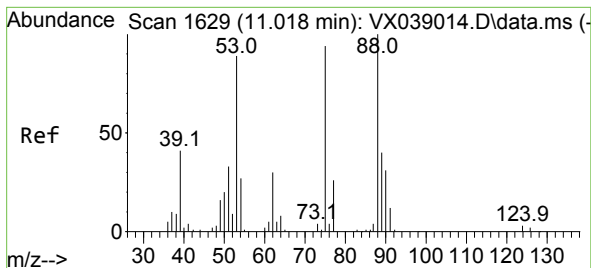
Tgt Ion: 105 Resp: 163531

Ion Ratio Lower Upper

105 100

120 46.1 0.0 92.6

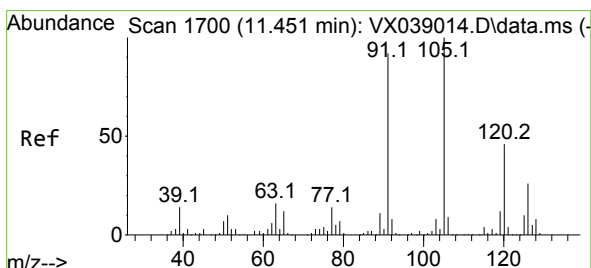
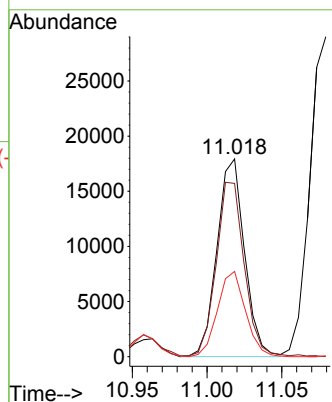
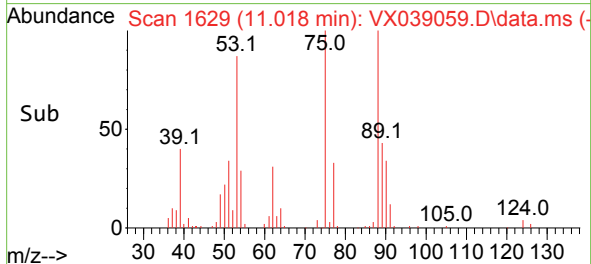
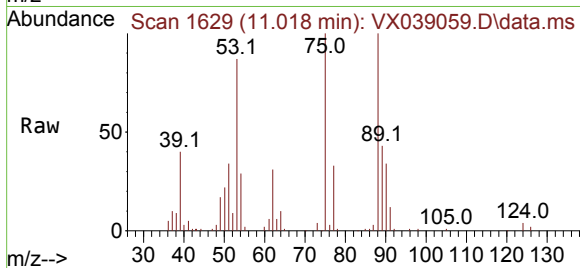




#77  
t-1,4-Dichloro-2-butene  
Concen: 21.358 ug/l  
RT: 11.018 min Scan# 1629  
Delta R.T. 0.000 min  
Lab File: VX039059.D  
Acq: 30 Nov 2023 09:39

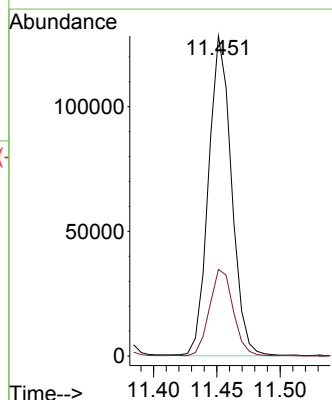
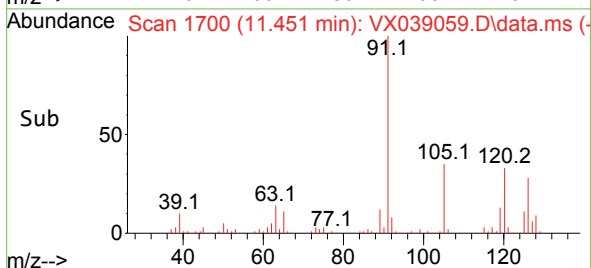
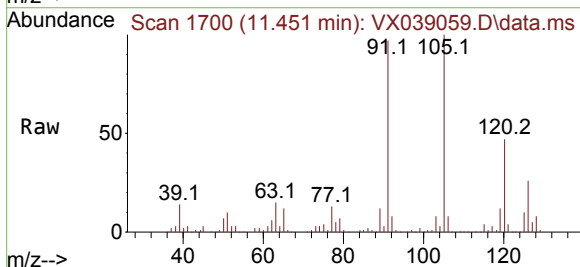
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

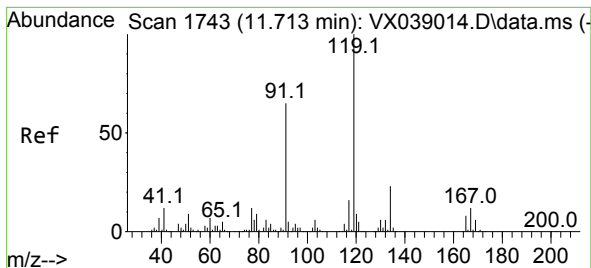
Tgt Ion: 75 Resp: 22970  
Ion Ratio Lower Upper  
75 100  
53 87.1 46.9 140.8  
89 42.8 21.3 63.7



#78  
4-Chlorotoluene  
Concen: 22.408 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. 0.000 min  
Lab File: VX039059.D  
Acq: 30 Nov 2023 09:39

Tgt Ion: 91 Resp: 162705  
Ion Ratio Lower Upper  
91 100  
126 27.6 0.0 57.4





#79

tert-butylbenzene

Concen: 22.028 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX039059.D

Acq: 30 Nov 2023 09:39

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020

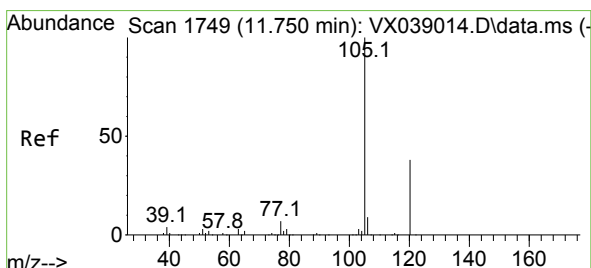
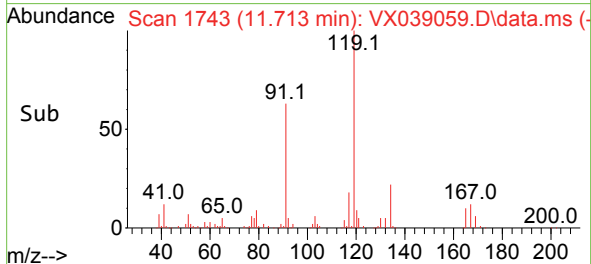
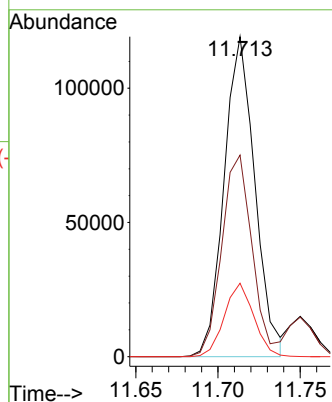
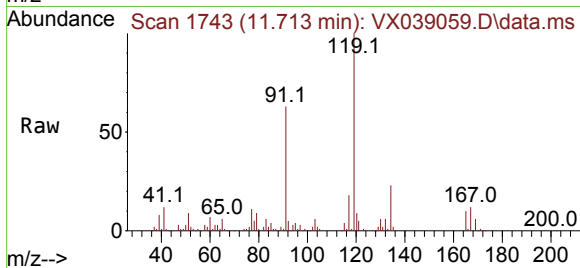
Tgt Ion:119 Resp: 155042

Ion Ratio Lower Upper

119 100

91 61.5 0.0 125.6

134 22.0 0.0 43.8



#80

1,2,4-Trimethylbenzene

Concen: 21.864 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX039059.D

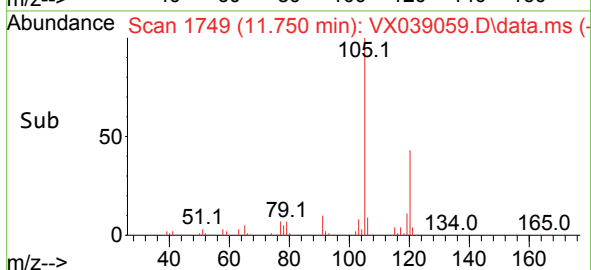
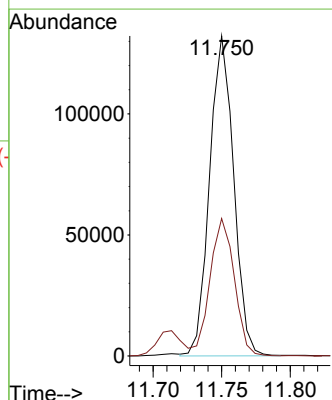
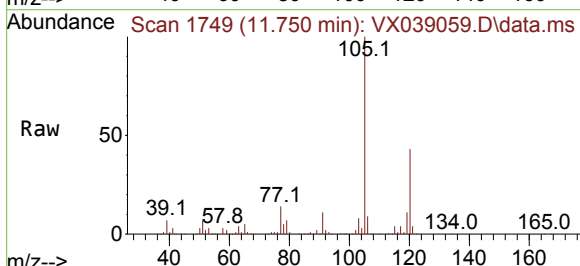
Acq: 30 Nov 2023 09:39

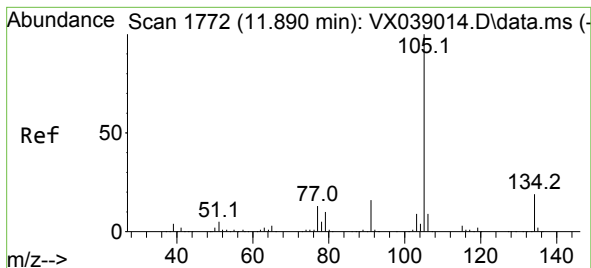
Tgt Ion:105 Resp: 161969

Ion Ratio Lower Upper

105 100

120 43.4 0.0 86.4

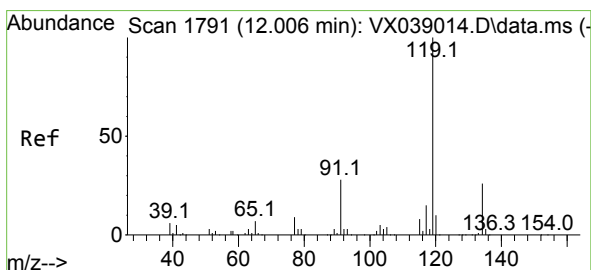
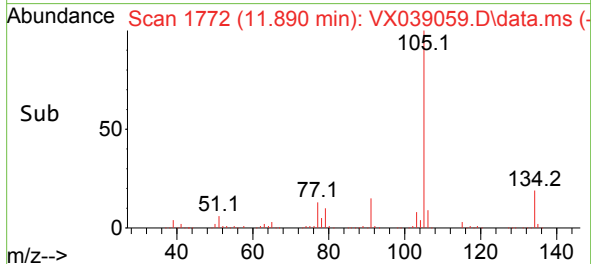
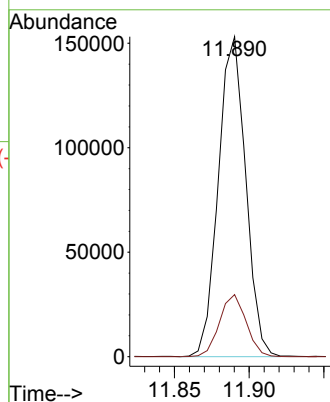
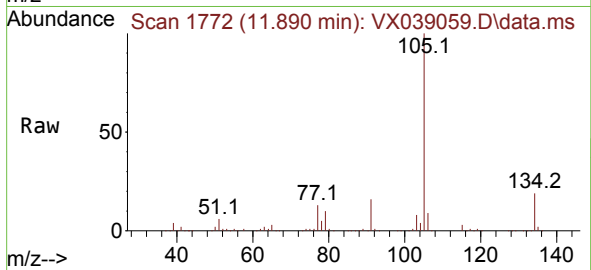




#81  
 sec-Butylbenzene  
 Concen: 21.902 ug/l  
 RT: 11.890 min Scan# 1772  
 Delta R.T. 0.000 min  
 Lab File: VX039059.D  
 Acq: 30 Nov 2023 09:39

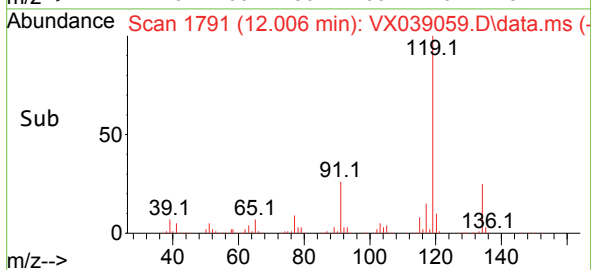
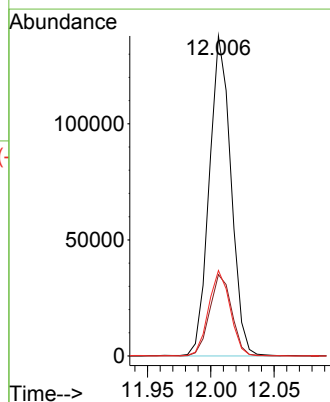
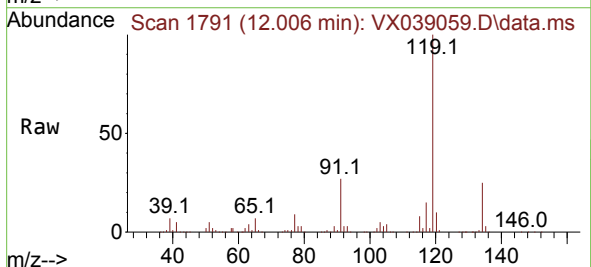
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020

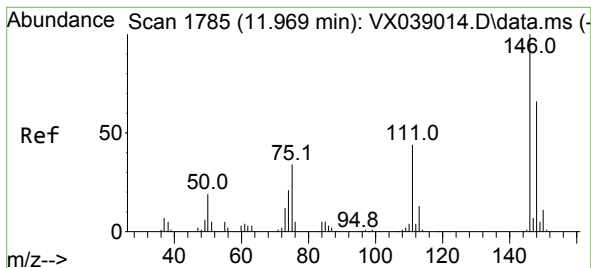
Tgt Ion:105 Resp: 194876  
 Ion Ratio Lower Upper  
 105 100  
 134 18.9 0.0 38.4



#82  
 p-Isopropyltoluene  
 Concen: 21.829 ug/l  
 RT: 12.006 min Scan# 1791  
 Delta R.T. 0.000 min  
 Lab File: VX039059.D  
 Acq: 30 Nov 2023 09:39

Tgt Ion:119 Resp: 164615  
 Ion Ratio Lower Upper  
 119 100  
 134 25.9 0.0 52.6  
 91 26.4 0.0 54.2





#83

1,3-Dichlorobenzene

Concen: 21.880 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX039059.D

Acq: 30 Nov 2023 09:39

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020

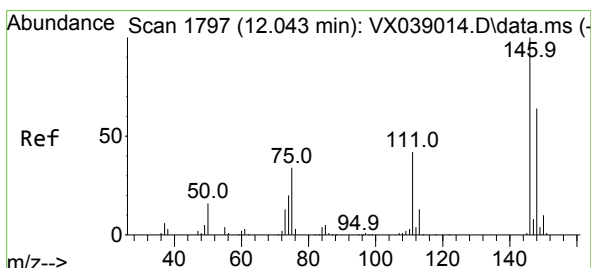
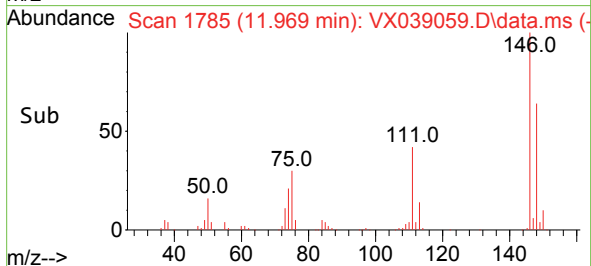
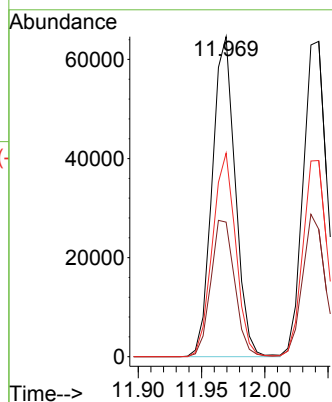
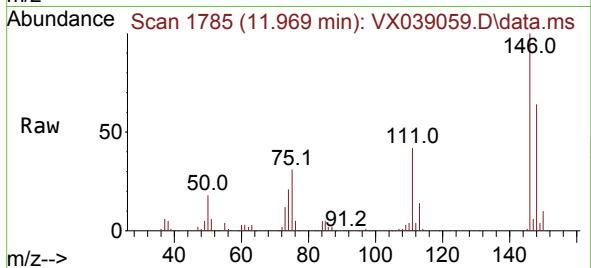
Tgt Ion:146 Resp: 81910

Ion Ratio Lower Upper

146 100

111 44.1 22.3 66.9

148 64.0 32.8 98.3



#84

1,4-Dichlorobenzene

Concen: 21.817 ug/l

RT: 12.043 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VX039059.D

Acq: 30 Nov 2023 09:39

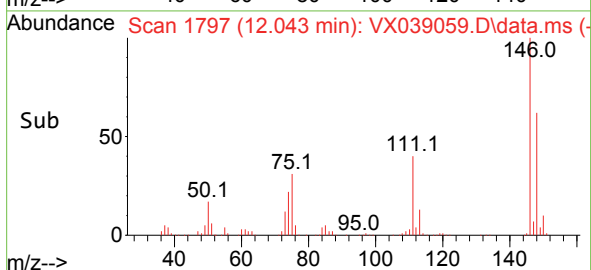
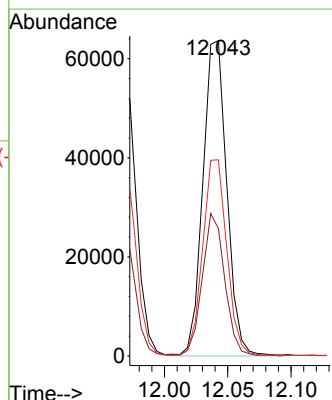
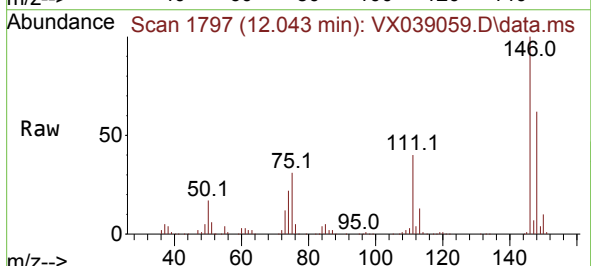
Tgt Ion:146 Resp: 83802

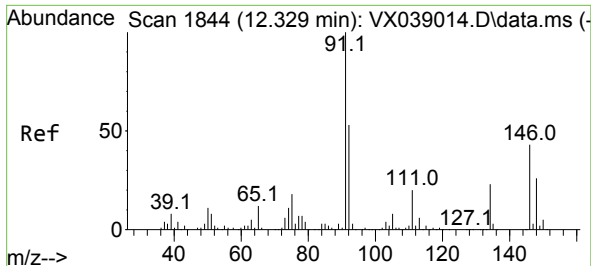
Ion Ratio Lower Upper

146 100

111 42.6 21.4 64.2

148 63.2 31.8 95.4

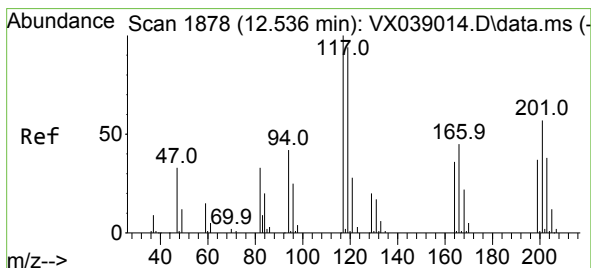
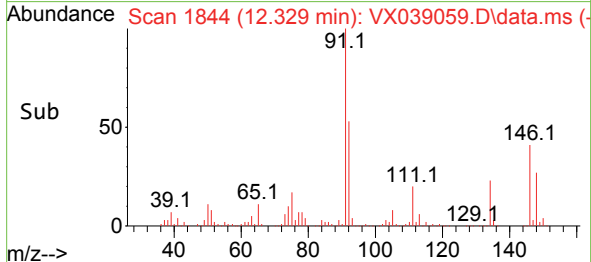
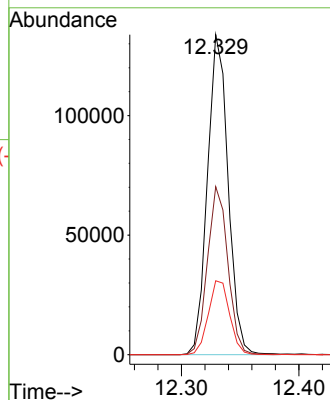
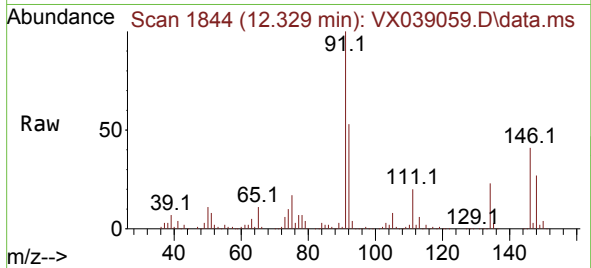




#85  
n-Butylbenzene  
Concen: 21.984 ug/l  
RT: 12.329 min Scan# 1844  
Delta R.T. 0.000 min  
Lab File: VX039059.D  
Acq: 30 Nov 2023 09:39

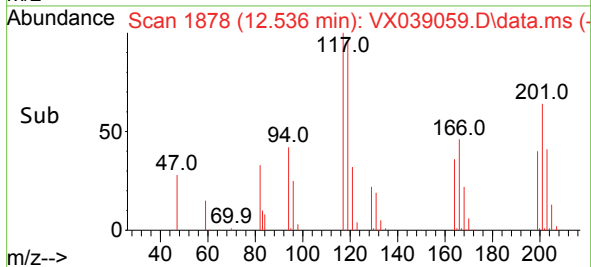
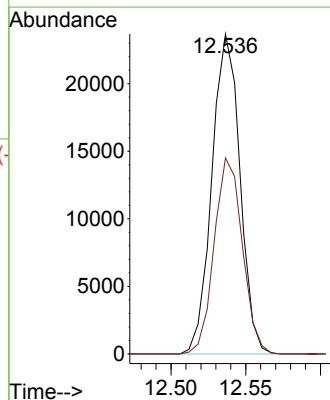
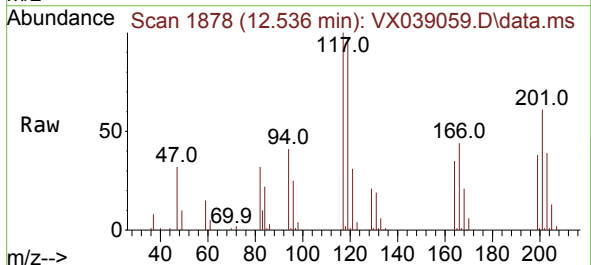
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020

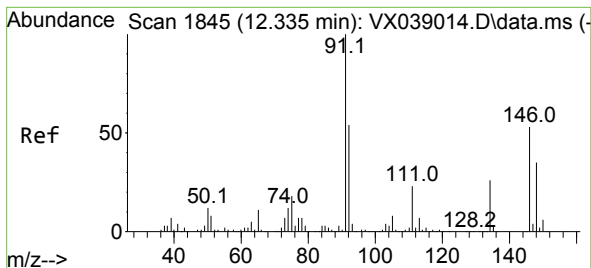
Tgt Ion: 91 Resp: 163716  
Ion Ratio Lower Upper  
91 100  
92 52.0 0.0 106.2  
134 23.9 0.0 48.8



#86  
Hexachloroethane  
Concen: 21.608 ug/l  
RT: 12.536 min Scan# 1878  
Delta R.T. 0.000 min  
Lab File: VX039059.D  
Acq: 30 Nov 2023 09:39

Tgt Ion: 117 Resp: 30874  
Ion Ratio Lower Upper  
117 100  
201 61.5 31.8 95.3





#87

1,2-Dichlorobenzene

Concen: 21.351 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX039059.D

Acq: 30 Nov 2023 09:39

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020

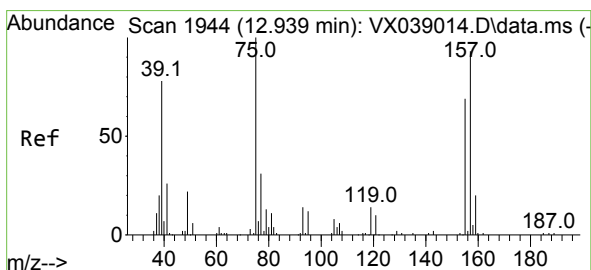
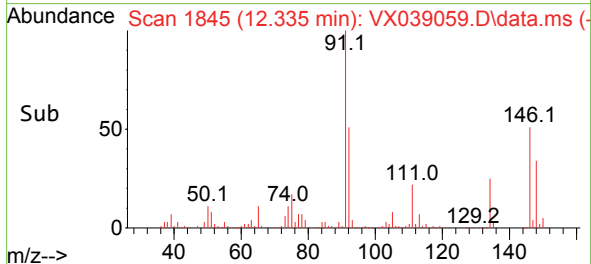
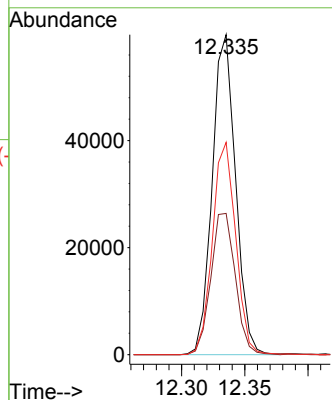
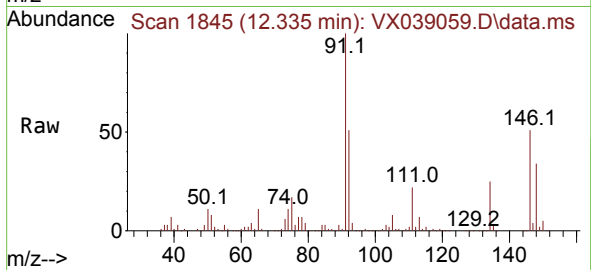
Tgt Ion:146 Resp: 76858

Ion Ratio Lower Upper

146 100

111 46.3 22.4 67.2

148 66.2 31.9 95.7



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.871 ug/l

RT: 12.939 min Scan# 1944

Delta R.T. 0.000 min

Lab File: VX039059.D

Acq: 30 Nov 2023 09:39

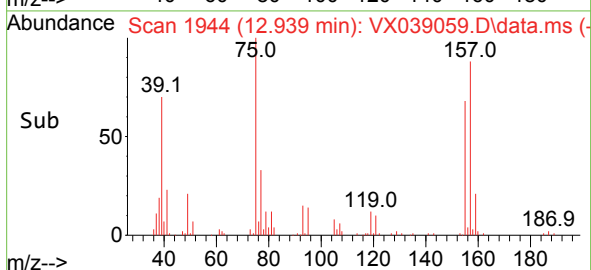
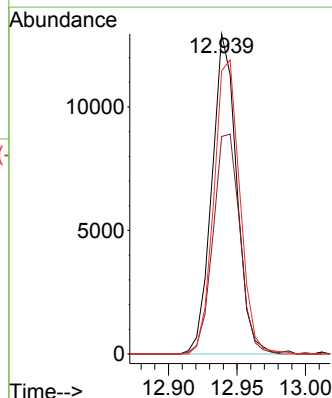
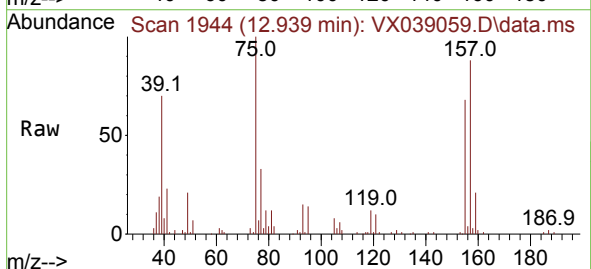
Tgt Ion: 75 Resp: 16300

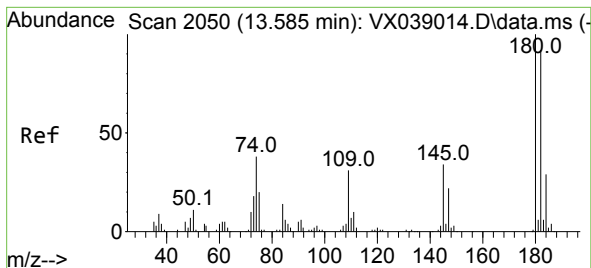
Ion Ratio Lower Upper

75 100

155 74.1 58.2 87.4

157 96.2 76.5 114.7





#89

1,2,4-Trichlorobenzene

Concen: 21.818 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX039059.D

Acq: 30 Nov 2023 09:39

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020

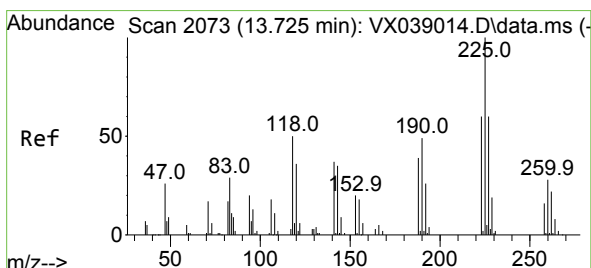
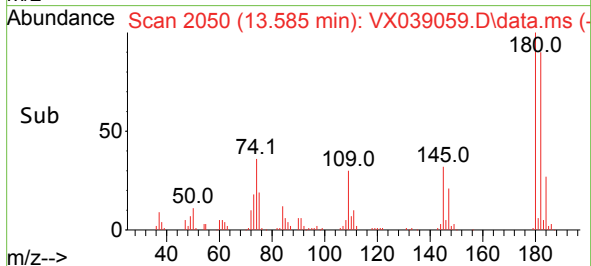
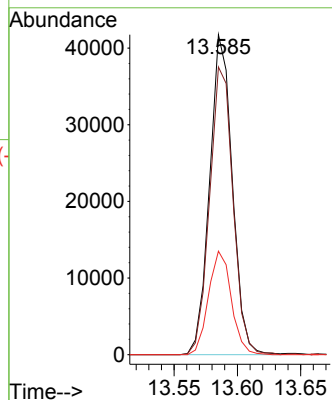
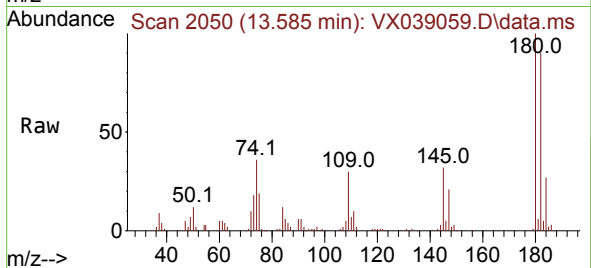
Tgt Ion:180 Resp: 52074

Ion Ratio Lower Upper

180 100

182 92.4 74.5 111.7

145 32.5 26.6 40.0



#90

Hexachlorobutadiene

Concen: 22.405 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX039059.D

Acq: 30 Nov 2023 09:39

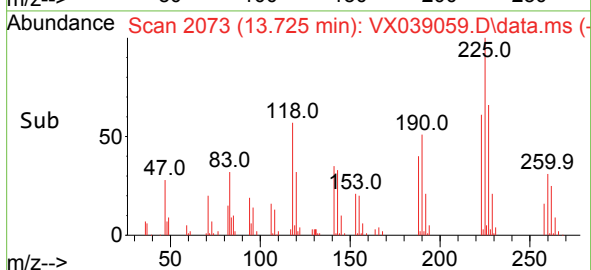
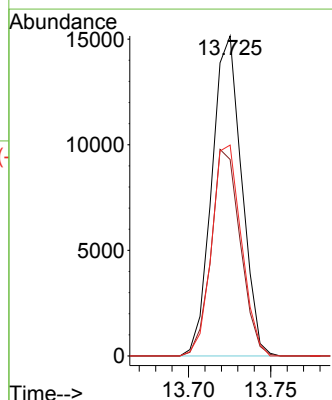
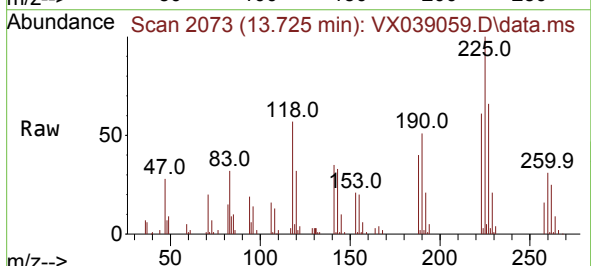
Tgt Ion:225 Resp: 19094

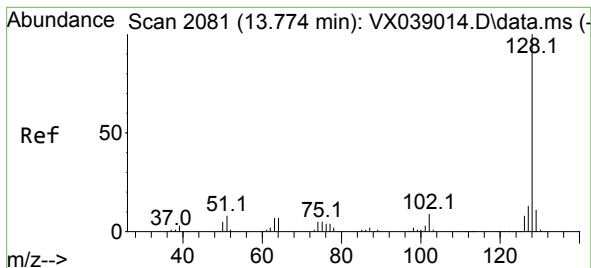
Ion Ratio Lower Upper

225 100

223 63.1 0.0 124.4

227 65.5 0.0 124.4





#91

Naphthalene

Concen: 20.518 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX039059.D

Acq: 30 Nov 2023 09:39

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020

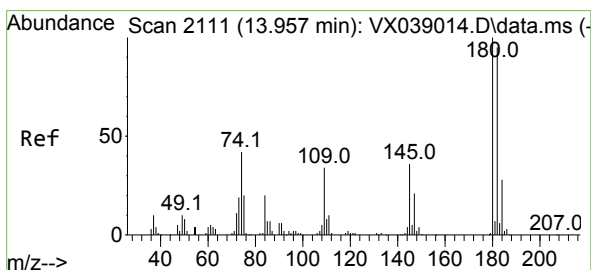
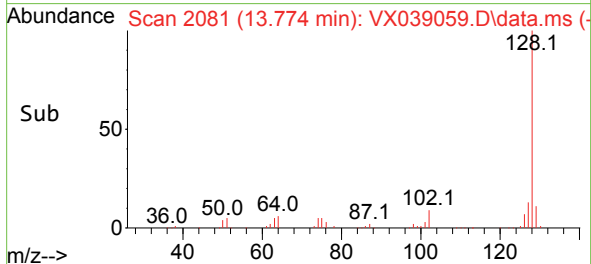
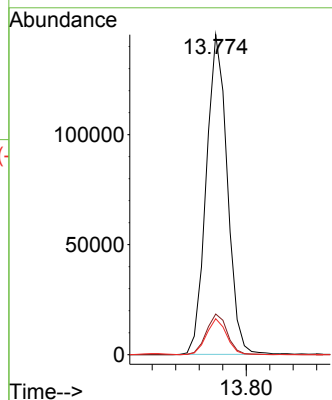
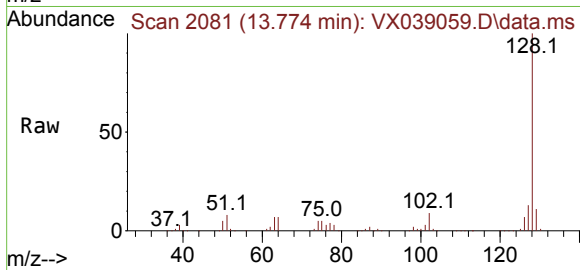
Tgt Ion:128 Resp: 180602

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

129 10.8 8.6 12.8



#92

1,2,3-Trichlorobenzene

Concen: 21.809 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. 0.000 min

Lab File: VX039059.D

Acq: 30 Nov 2023 09:39

Tgt Ion:180 Resp: 50418

Ion Ratio Lower Upper

180 100

182 94.4 0.0 191.6

145 35.2 0.0 69.6

