

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112223\  
 Data File : VX039010.D  
 Acq On : 22 Nov 2023 18:04  
 Operator : JC/MD  
 Sample : 05407-03MSD  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Nov 23 01:37:05 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111623W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 16 22:59:22 2023  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 5.556  | 168   | 106427   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763  | 114   | 196314   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055 | 117   | 182258   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024 | 152   | 94230    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952  | 65    | 94516    | 55.114   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 78 - 117 | Recovery | =      | 110.220% |
| 35) Dibromofluoromethane     | 5.385  | 113   | 75064    | 52.943   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 105.880% |
| 50) Toluene-d8               | 8.647  | 98    | 274623   | 50.625   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 92 - 112 | Recovery | =      | 101.240% |
| 62) 4-Bromofluorobenzene     | 11.079 | 95    | 111363   | 51.283   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | =      | 102.560% |
| Target Compounds             |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.167  | 85    | 74608    | 60.080   | ug/l   | 98       |
| 3) Chloromethane             | 1.295  | 50    | 86580    | 53.418   | ug/l   | 100      |
| 4) Vinyl Chloride            | 1.374  | 62    | 87964    | 56.341   | ug/l   | 100      |
| 5) Bromomethane              | 1.599  | 94    | 53641    | 83.097   | ug/l   | 100      |
| 6) Chloroethane              | 1.679  | 64    | 53221    | 59.732   | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 1.886  | 101   | 121038   | 61.093   | ug/l   | 100      |
| 8) Diethyl Ether             | 2.136  | 74    | 47259    | 54.767   | ug/l   | 93       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331  | 101   | 67204    | 51.149   | ug/l   | 95       |
| 10) Methyl Iodide            | 2.453  | 142   | 77132    | 48.233   | ug/l   | 94       |
| 11) Tert butyl alcohol       | 2.959  | 59    | 132509   | 277.815  | ug/l # | 92       |
| 12) 1,1-Dichloroethene       | 2.319  | 96    | 69343    | 52.276   | ug/l   | 94       |
| 13) Acrolein                 | 2.233  | 56    | 63907    | 253.251  | ug/l   | 100      |
| 14) Allyl chloride           | 2.666  | 41    | 138717   | 52.232   | ug/l   | 97       |
| 15) Acrylonitrile            | 3.063  | 53    | 269756   | 267.659  | ug/l   | 99       |
| 16) Acetone                  | 2.380  | 43    | 217064   | 237.771  | ug/l   | 93       |
| 17) Carbon Disulfide         | 2.508  | 76    | 205685   | 50.059   | ug/l   | 99       |
| 18) Methyl Acetate           | 2.703  | 43    | 209095   | 48.220   | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 3.111  | 73    | 259518   | 55.625   | ug/l   | 97       |
| 20) Methylene Chloride       | 2.788  | 84    | 82779    | 50.301   | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 3.093  | 96    | 79772    | 54.503   | ug/l   | 95       |
| 22) Diisopropyl ether        | 3.758  | 45    | 264511   | 54.291   | ug/l   | 99       |
| 23) Vinyl Acetate            | 3.721  | 43    | 1031088  | 293.847  | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 3.611  | 63    | 147958   | 54.305   | ug/l   | 98       |
| 25) 2-Butanone               | 4.556  | 43    | 385786   | 260.594  | ug/l   | 97       |
| 26) 2,2-Dichloropropane      | 4.477  | 77    | 124057   | 52.492   | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 4.489  | 96    | 91928    | 53.883   | ug/l   | 97       |
| 28) Bromochloromethane       | 4.898  | 49    | 69227    | 52.921   | ug/l   | 98       |
| 29) Tetrahydrofuran          | 5.001  | 42    | 266269   | 283.272  | ug/l   | 99       |
| 30) Chloroform               | 5.093  | 83    | 150961   | 56.743   | ug/l   | 94       |
| 31) Cyclohexane              | 5.471  | 56    | 133611   | 54.570   | ug/l   | 99       |
| 32) 1,1,1-Trichloroethane    | 5.385  | 97    | 130123   | 56.468   | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.696  | 75    | 112127   | 55.179   | ug/l   | 97       |
| 37) Ethyl Acetate            | 4.715  | 43    | 145070   | 54.795   | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 5.678  | 117   | 111584   | 59.413   | ug/l   | 98       |
| 39) Methylcyclohexane        | 7.379  | 83    | 140179   | 52.885   | ug/l   | 99       |
| 40) Benzene                  | 6.038  | 78    | 331469   | 55.151   | ug/l   | 99       |

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 ALS Vial : 13 Sample Multiplier: 1

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 MSVOA\_X  
 ClientSampleId :

Quant Time: Nov 23 01:37:05 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111623W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 16 22:59:22 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 76544    | 55.745   | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 121617   | 61.074   | ug/l   | 98       |
| 43) Isopropyl Acetate         | 6.336  | 43   | 232546   | 54.962   | ug/l   | 99       |
| 44) Trichloroethene           | 7.129  | 130  | 83352    | 56.975   | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 7.434  | 63   | 90319    | 55.842   | ug/l   | 99       |
| 46) Dibromomethane            | 7.580  | 93   | 61780    | 57.277   | ug/l   | 98       |
| 47) Bromodichloromethane      | 7.824  | 83   | 119981   | 56.045   | ug/l   | 96       |
| 48) Methyl methacrylate       | 7.690  | 41   | 134306   | 65.423   | ug/l   | 93       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 45194    | 1137.947 | ug/l # | 95       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 765689   | 283.181  | ug/l   | 100      |
| 52) Toluene                   | 8.720  | 92   | 208176   | 55.816   | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 134710   | 52.951   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 140752   | 53.561   | ug/l   | 92       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 85649    | 55.036   | ug/l   | 95       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 109093   | 41.432   | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 144868   | 56.287   | ug/l   | 99       |
| 59) 2-Hexanone                | 9.427  | 43   | 609138   | 281.067  | ug/l   | 98       |
| 60) Dibromochloromethane      | 9.519  | 129  | 89511    | 56.568   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 92467    | 56.624   | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.275  | 164  | 63910    | 56.414   | ug/l   | 97       |
| 65) Chlorobenzene             | 10.080 | 112  | 216441   | 55.130   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 79189    | 56.072   | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.195 | 91   | 407554   | 56.501   | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.299 | 106  | 305049   | 111.799  | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 146906   | 54.412   | ug/l   | 99       |
| 70) Styrene                   | 10.653 | 104  | 218234   | 47.861   | ug/l   | 99       |
| 71) Bromoform                 | 10.799 | 173  | 63997    | 54.358   | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.964 | 105  | 392134   | 53.411   | ug/l   | 100      |
| 74) N-amyl acetate            | 10.842 | 43   | 198622   | 51.178   | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 11.214 | 83   | 149715   | 52.238   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 171987   | 73.154   | ug/l   | 90       |
| 77) Bromobenzene              | 11.195 | 156  | 89874    | 54.479   | ug/l   | 100      |
| 78) n-propylbenzene           | 11.305 | 91   | 474510   | 52.507   | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 278062   | 51.847   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 336572   | 54.522   | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 47885    | 45.178   | ug/l   | 86       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 326319   | 52.769   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 328191   | 53.981   | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 340708   | 54.529   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.890 | 105  | 405113   | 50.942   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 341190   | 53.446   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 170040   | 52.636   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 173838   | 52.577   | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.335 | 91   | 333496   | 51.778   | ug/l   | 97       |
| 90) Hexachloroethane          | 12.536 | 117  | 64638    | 50.703   | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 164849   | 53.802   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 37666    | 53.642   | ug/l   | 94       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 107681   | 52.444   | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 36759    | 50.555   | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 398607   | 52.125   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 103958   | 53.411   | ug/l   | 99       |

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MSVOA\_X  
ClientSampleId :

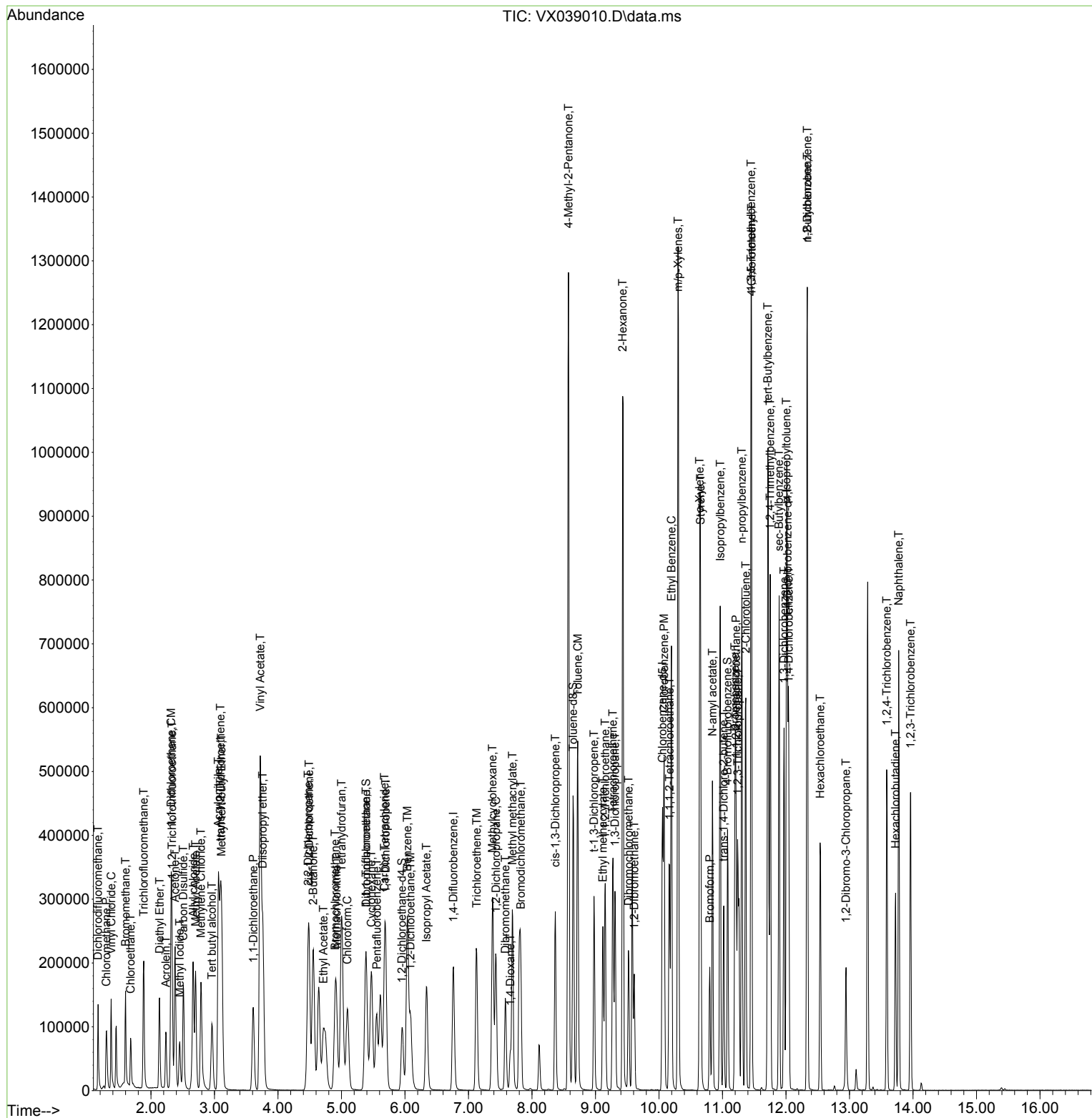
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111623W.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 16 22:59:22 2023  
Response via : Initial Calibration

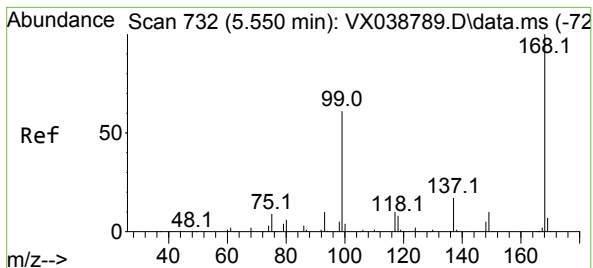
| Compound                                                             | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                |      |      |          |      |       |          |
| (#)=qualifier out of range (m)=manual integration (+)=signals summed |      |      |          |      |       |          |

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.556 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX039010.D

Acq: 22 Nov 2023 18:04

Instrument :

MSVOA\_X

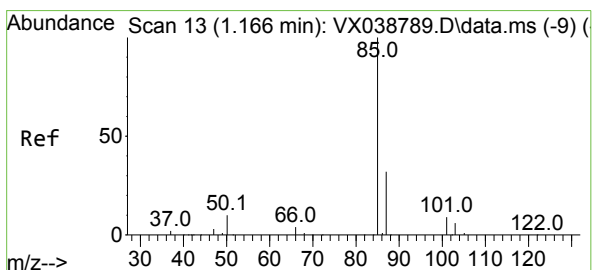
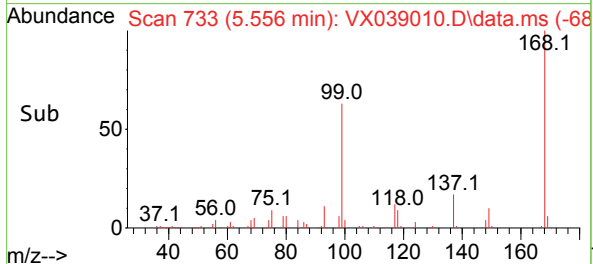
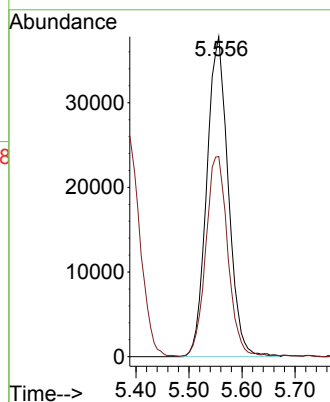
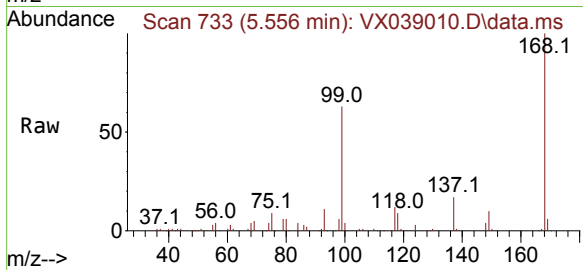
ClientSampleId :

Tgt Ion:168 Resp: 106427

Ion Ratio Lower Upper

168 100

99 62.4 56.6 85.0



#2

Dichlorodifluoromethane

Concen: 60.080 ug/l

RT: 1.167 min Scan# 13

Delta R.T. 0.001 min

Lab File: VX039010.D

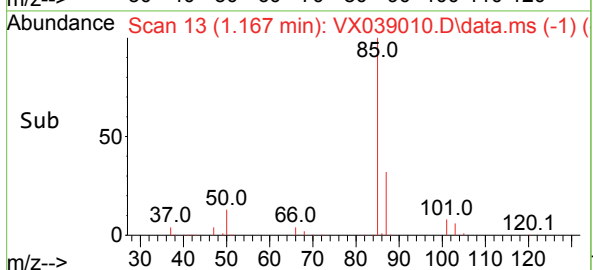
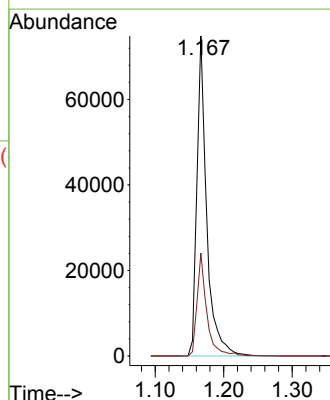
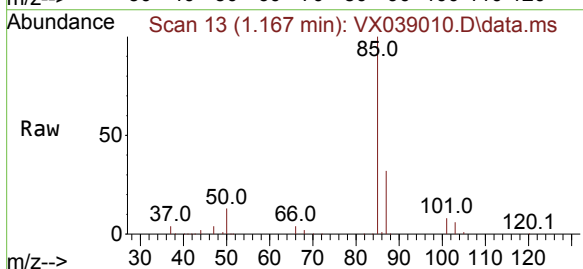
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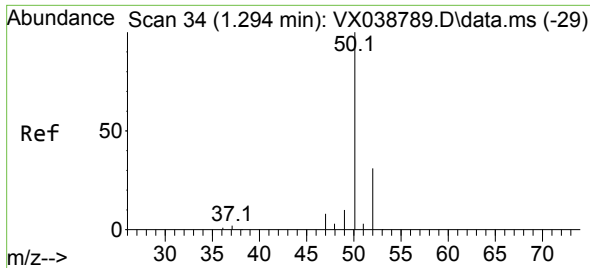
Tgt Ion: 85 Resp: 74608

Ion Ratio Lower Upper

85 100

87 32.1 16.7 50.1

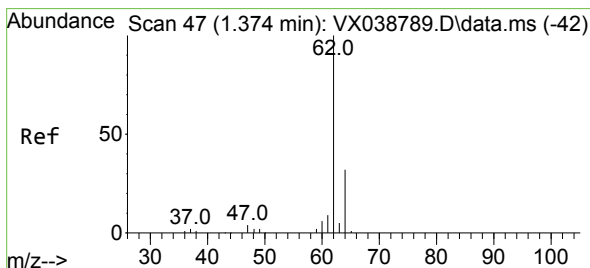
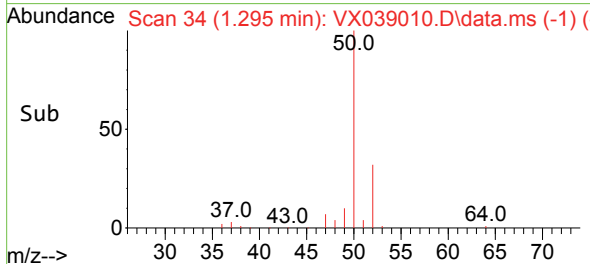
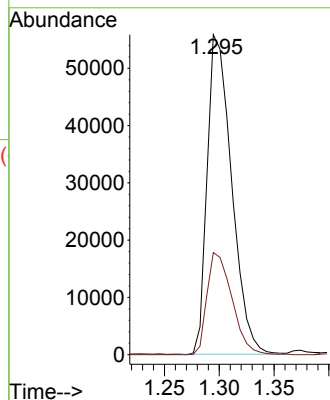
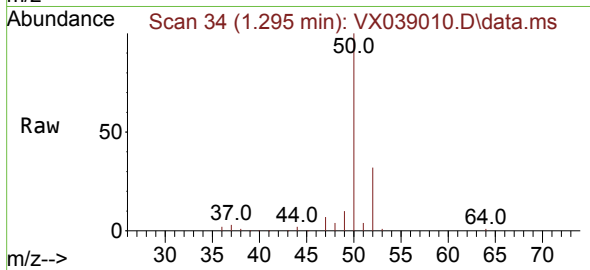




#3  
Chloromethane  
Concen: 53.418 ug/l  
RT: 1.295 min Scan# 34  
Delta R.T. 0.001 min  
Lab File: VX039010.D  
Acq: 22 Nov 2023 18:04

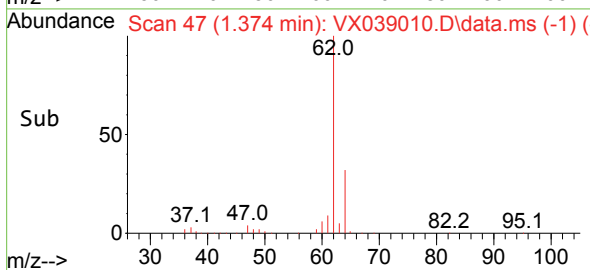
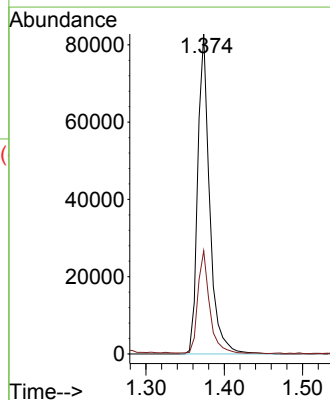
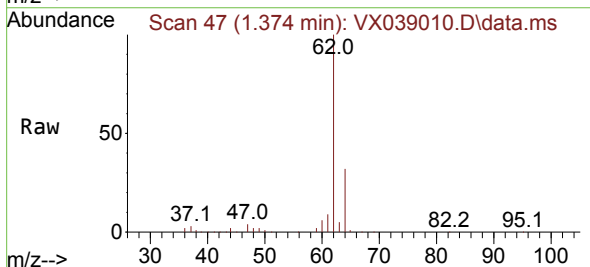
Instrument :  
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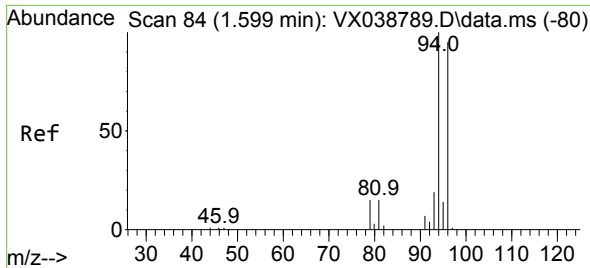
Tgt Ion: 50 Resp: 86580  
Ion Ratio Lower Upper  
50 100  
52 31.9 25.5 38.3



#4  
Vinyl Chloride  
Concen: 56.341 ug/l  
RT: 1.374 min Scan# 47  
Delta R.T. -0.000 min  
Lab File: VX039010.D  
Acq: 22 Nov 2023 18:04

Tgt Ion: 62 Resp: 87964  
Ion Ratio Lower Upper  
62 100  
64 32.0 25.4 38.0

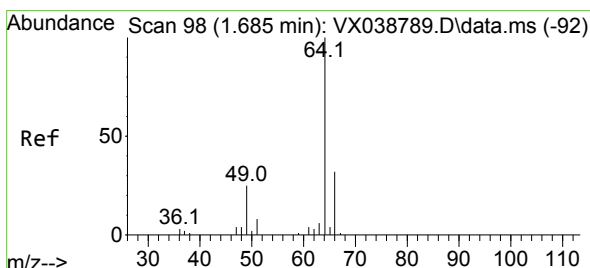
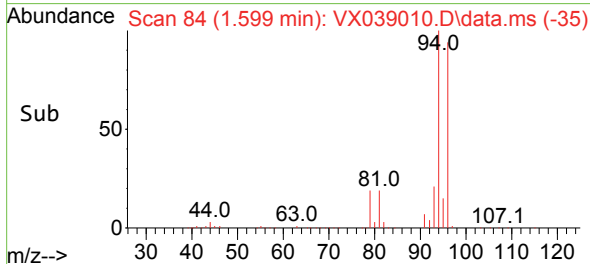
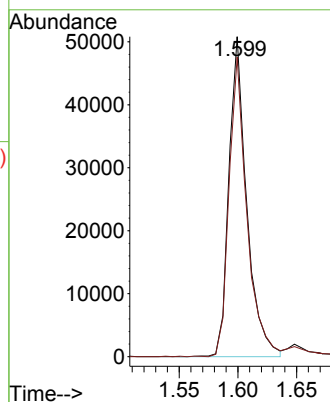
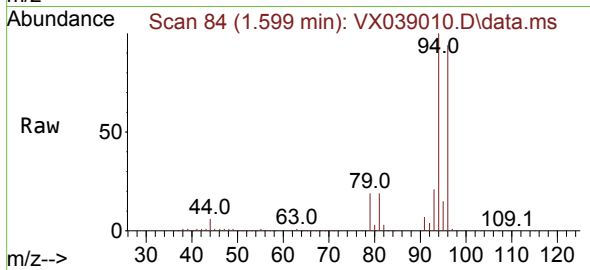




#5  
Bromomethane  
Concen: 83.097 ug/l  
RT: 1.599 min Scan# 84  
Delta R.T. 0.000 min  
Lab File: VX039010.D  
Acq: 22 Nov 2023 18:04

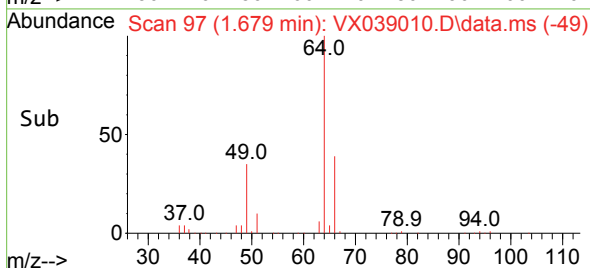
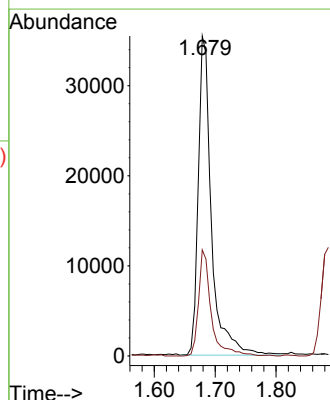
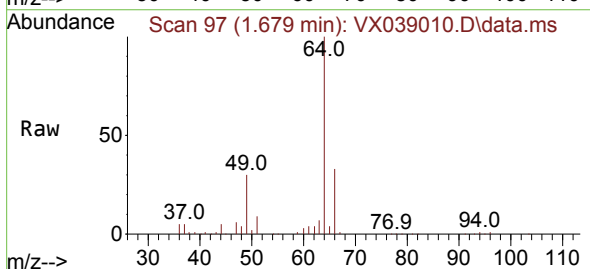
Instrument :  
MSVOA\_X  
ClientSampleId :

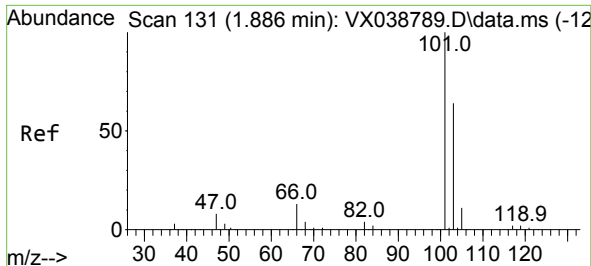
Tgt Ion: 94 Resp: 53641  
Ion Ratio Lower Upper  
94 100  
96 93.5 74.6 111.8



#6  
Chloroethane  
Concen: 59.732 ug/l  
RT: 1.679 min Scan# 97  
Delta R.T. -0.006 min  
Lab File: VX039010.D  
Acq: 22 Nov 2023 18:04

Tgt Ion: 64 Resp: 53221  
Ion Ratio Lower Upper  
64 100  
66 33.2 25.1 37.7

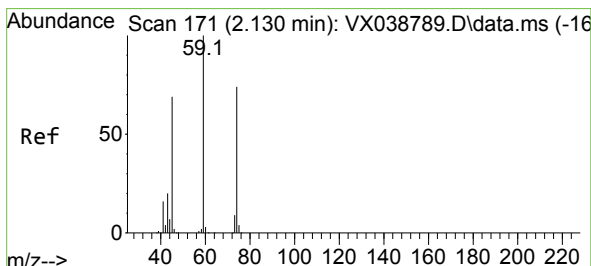
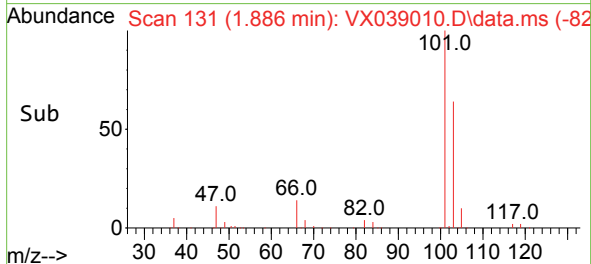
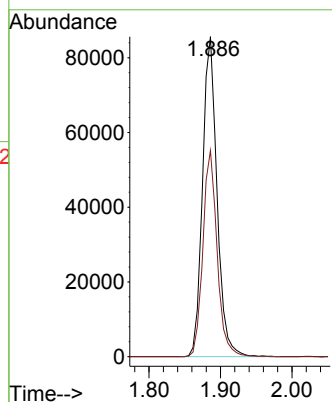
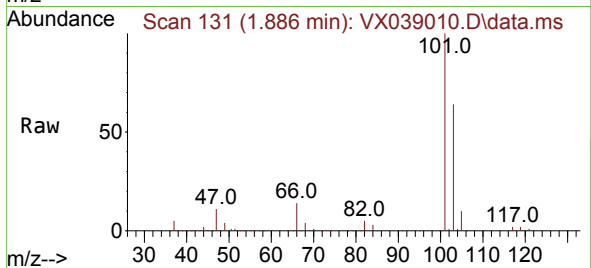




#7  
Trichlorofluoromethane  
Concen: 61.093 ug/l  
RT: 1.886 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX039010.D  
Acq: 22 Nov 2023 18:04

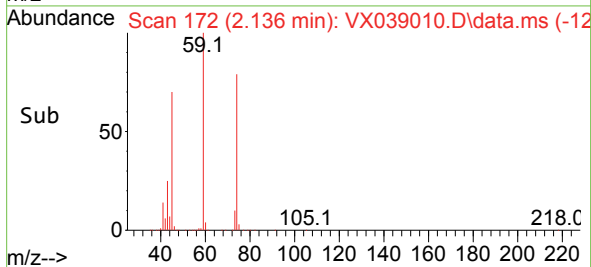
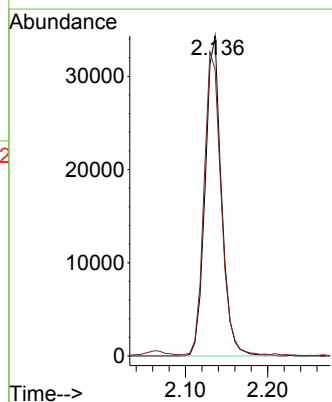
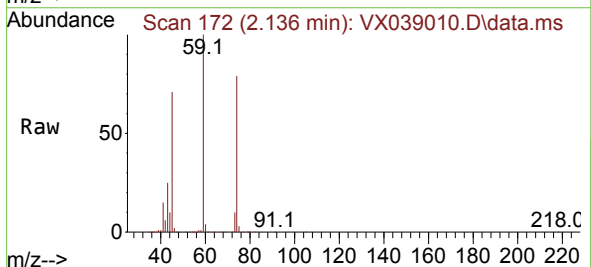
Instrument :  
MSVOA\_X  
ClientSampleId :

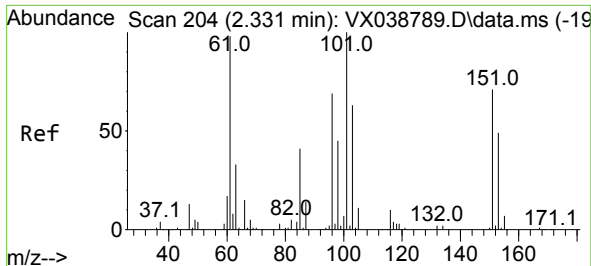
Tgt Ion:101 Resp: 121038  
Ion Ratio Lower Upper  
101 100  
103 64.5 51.4 77.2



#8  
Diethyl Ether  
Concen: 54.767 ug/l  
RT: 2.136 min Scan# 172  
Delta R.T. 0.006 min  
Lab File: VX039010.D  
Acq: 22 Nov 2023 18:04

Tgt Ion: 74 Resp: 47259  
Ion Ratio Lower Upper  
74 100  
45 99.0 53.3 159.8

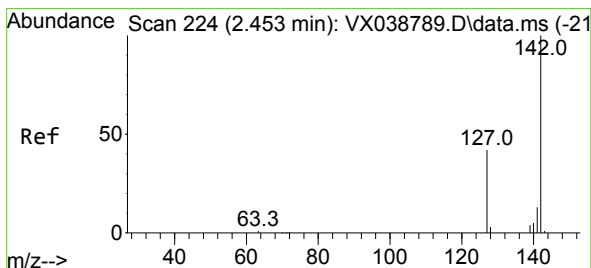
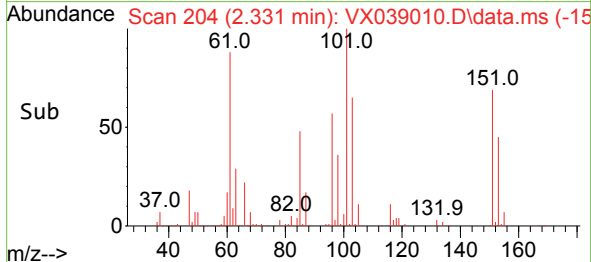
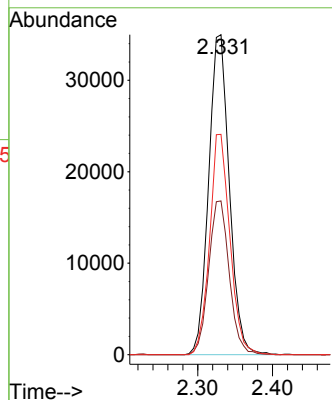
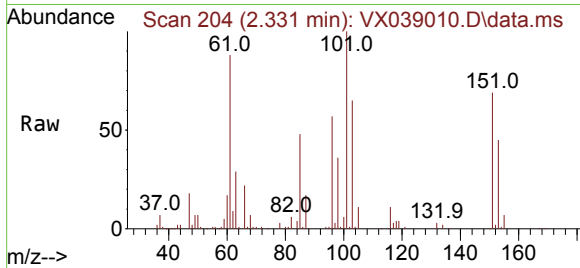




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 51.149 ug/l  
RT: 2.331 min Scan# 204  
Delta R.T. 0.000 min  
Lab File: VX039010.D  
Acq: 22 Nov 2023 18:04

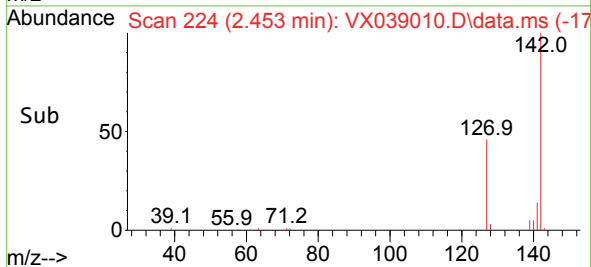
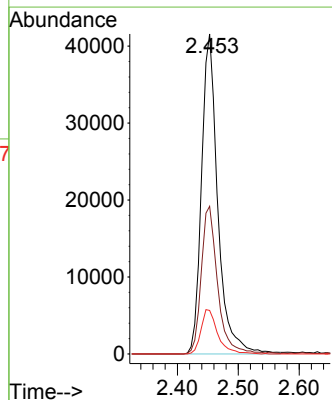
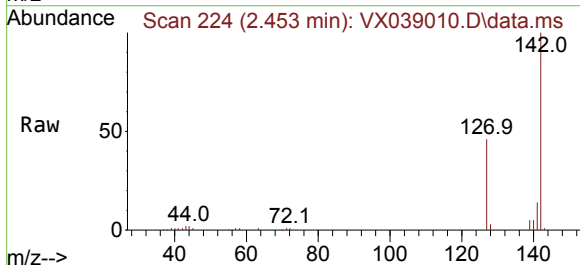
Instrument :  
MSVOA\_X  
ClientSampleId :

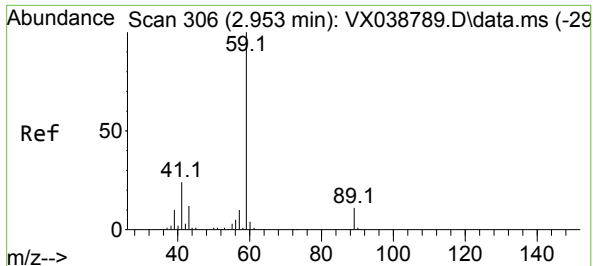
Tgt Ion:101 Resp: 67204  
Ion Ratio Lower Upper  
101 100  
85 48.1 37.0 55.6  
151 67.7 58.6 87.8



#10  
Methyl Iodide  
Concen: 48.233 ug/l  
RT: 2.453 min Scan# 224  
Delta R.T. 0.000 min  
Lab File: VX039010.D  
Acq: 22 Nov 2023 18:04

Tgt Ion:142 Resp: 77132  
Ion Ratio Lower Upper  
142 100  
127 46.4 41.6 62.4  
141 14.2 11.6 17.4





#11

Tert butyl alcohol

Concen: 277.815 ug/l

RT: 2.959 min Scan# 306

Delta R.T. 0.006 min

Lab File: VX039010.D

Acq: 22 Nov 2023 18:04

Instrument :

MSVOA\_X

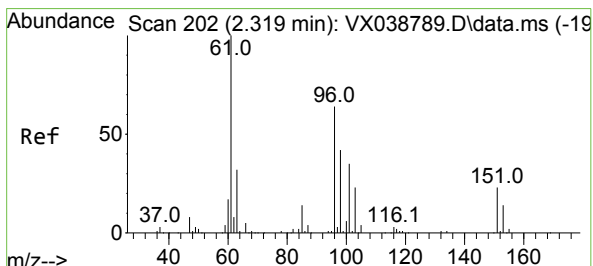
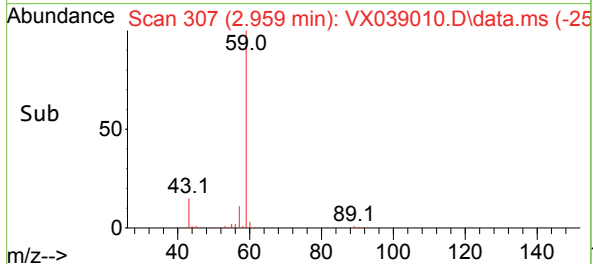
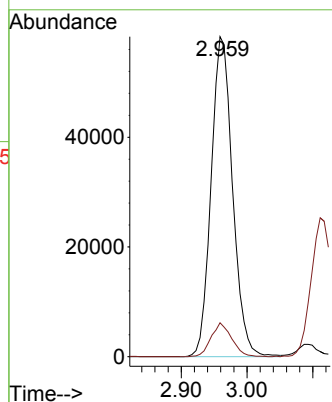
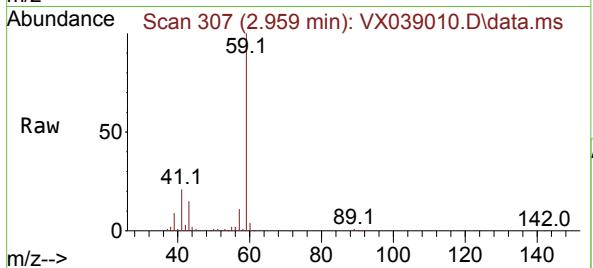
ClientSampleId :

Tgt Ion: 59 Resp: 132509

Ion Ratio Lower Upper

59 100

57 10.2 6.0 9.0#



#12

1,1-Dichloroethene

Concen: 52.276 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.000 min

Lab File: VX039010.D

Acq: 22 Nov 2023 18:04

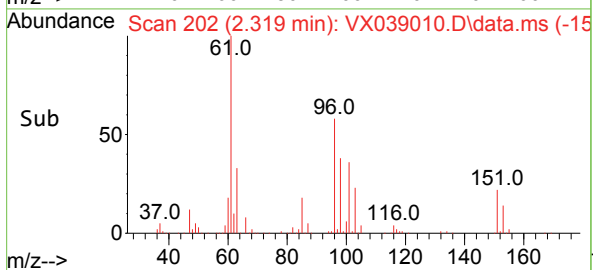
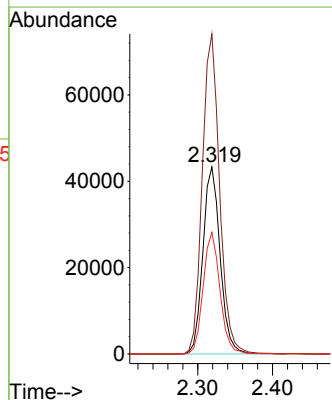
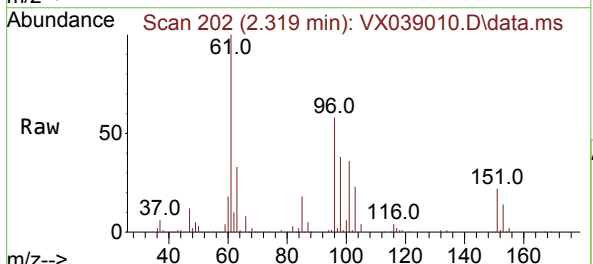
Tgt Ion: 96 Resp: 69343

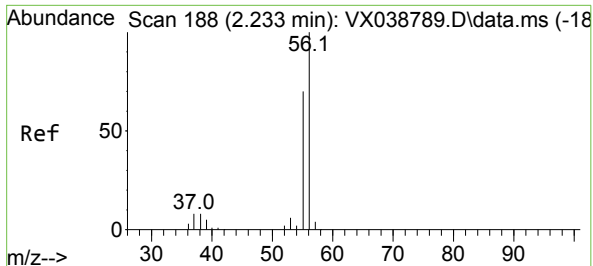
Ion Ratio Lower Upper

96 100

61 171.0 144.6 216.8

98 65.0 50.4 75.6

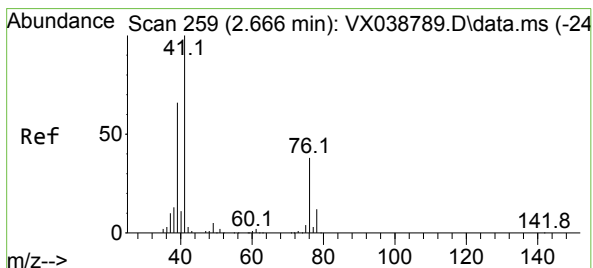
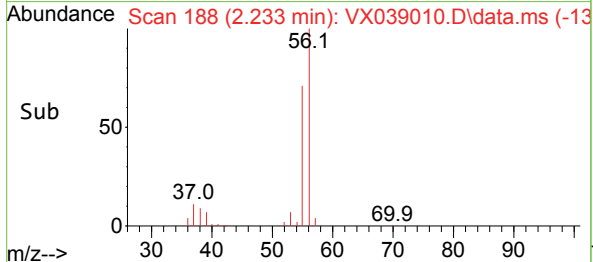
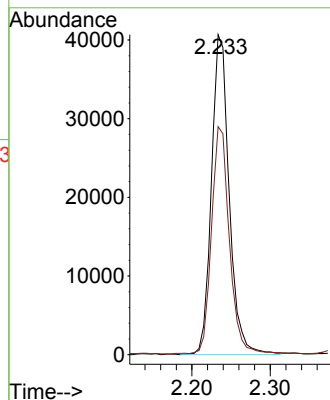
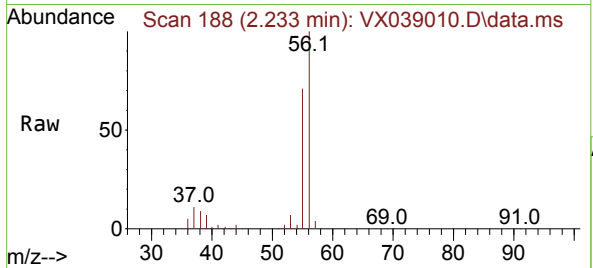




#13  
Acrolein  
Concen: 253.251 ug/l  
RT: 2.233 min Scan# 188  
Delta R.T. 0.000 min  
Lab File: VX039010.D  
Acq: 22 Nov 2023 18:04

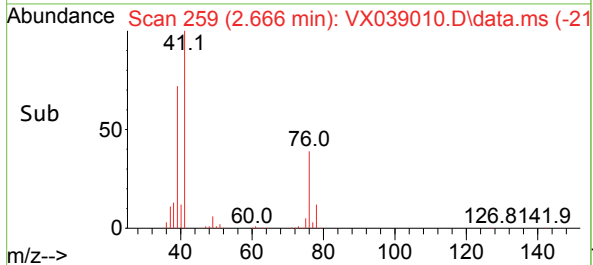
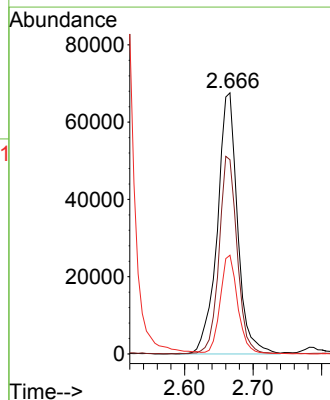
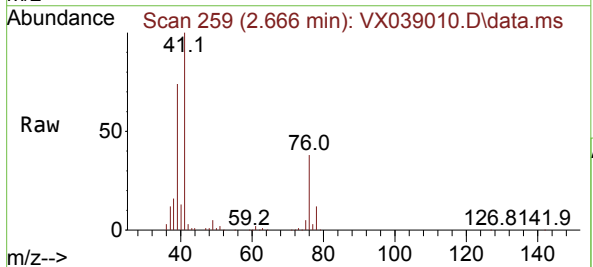
Instrument :  
MSVOA\_X  
ClientSampleId :

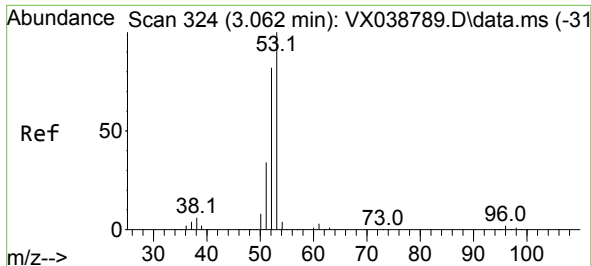
Tgt Ion: 56 Resp: 63907  
Ion Ratio Lower Upper  
56 100  
55 71.7 57.1 85.7



#14  
Allyl chloride  
Concen: 52.232 ug/l  
RT: 2.666 min Scan# 259  
Delta R.T. 0.000 min  
Lab File: VX039010.D  
Acq: 22 Nov 2023 18:04

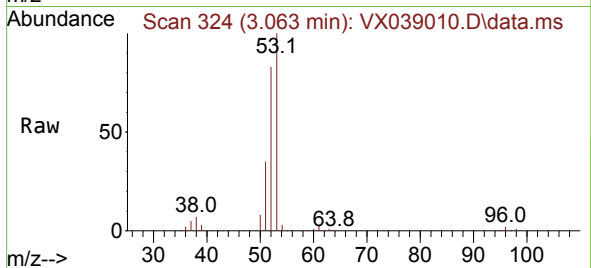
Tgt Ion: 41 Resp: 138717  
Ion Ratio Lower Upper  
41 100  
39 67.2 55.8 83.6  
76 32.9 24.3 36.5



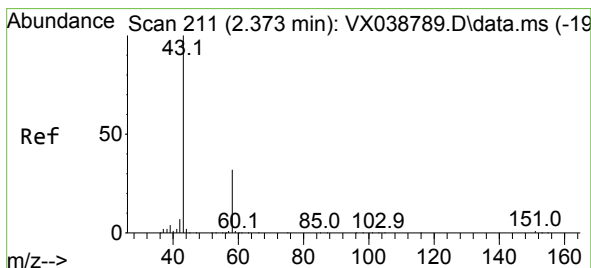
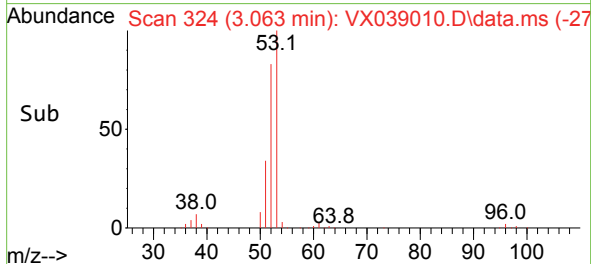
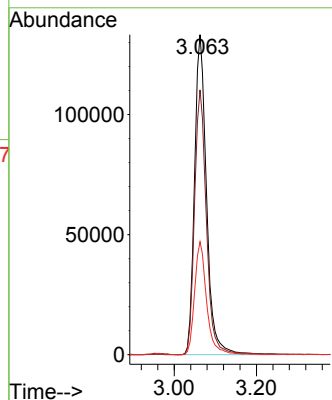


#15  
Acrylonitrile  
Concen: 267.659 ug/l  
RT: 3.063 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VX039010.D  
Acq: 22 Nov 2023 18:04

Instrument :  
MSVOA\_X  
ClientSampleId :

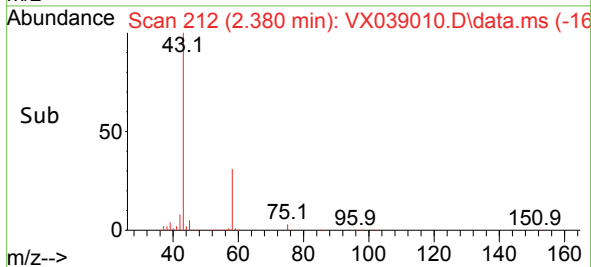
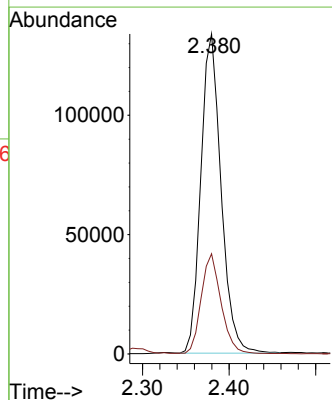
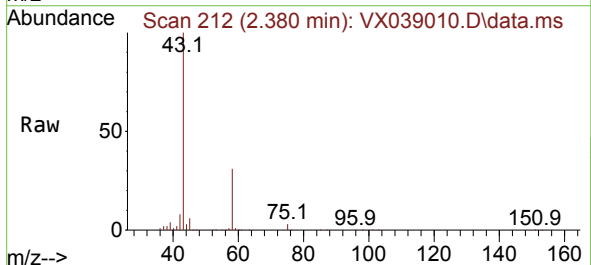


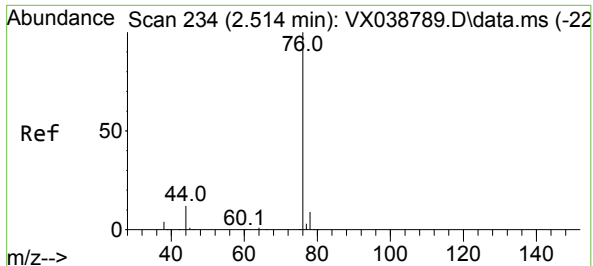
Tgt Ion: 53 Resp: 269756  
Ion Ratio Lower Upper  
53 100  
52 82.4 66.0 99.0  
51 35.5 29.8 44.6



#16  
Acetone  
Concen: 237.771 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. 0.006 min  
Lab File: VX039010.D  
Acq: 22 Nov 2023 18:04

Tgt Ion: 43 Resp: 217064  
Ion Ratio Lower Upper  
43 100  
58 31.3 21.9 32.9





#17

Carbon Disulfide

Concen: 50.059 ug/l

RT: 2.508 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX039010.D

Acq: 22 Nov 2023 18:04

Instrument :

MSVOA\_X

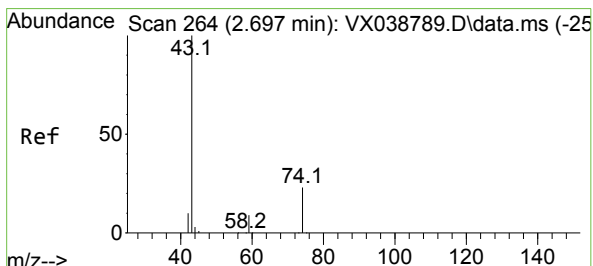
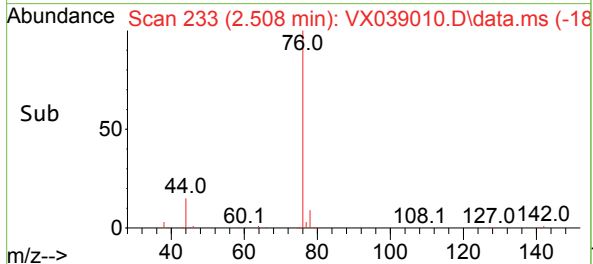
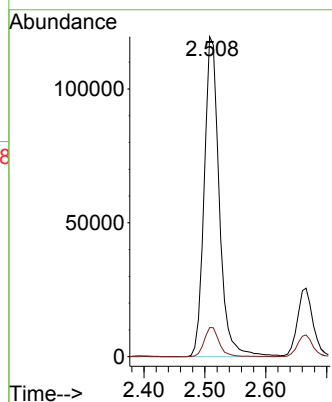
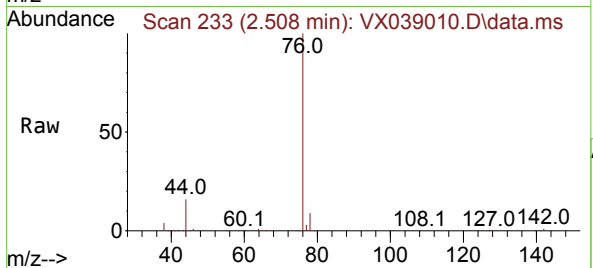
ClientSampleId :

Tgt Ion: 76 Resp: 205685

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.6



#18

Methyl Acetate

Concen: 48.220 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.006 min

Lab File: VX039010.D

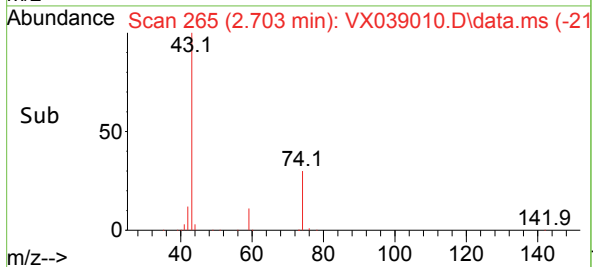
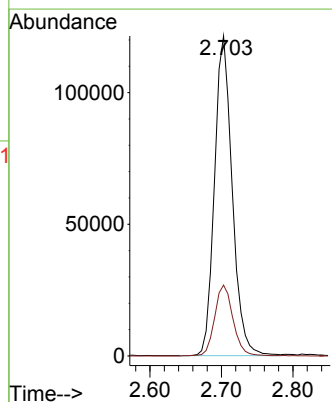
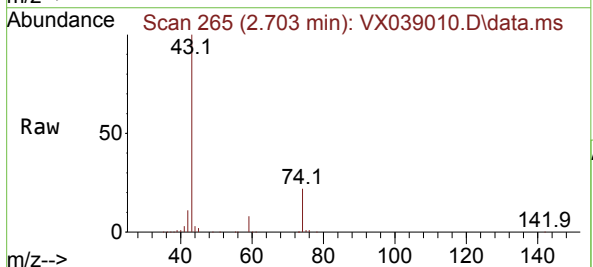
Acq: 22 Nov 2023 18:04

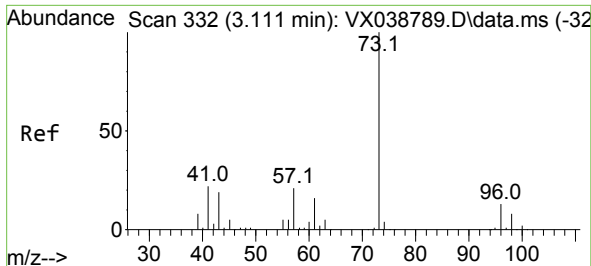
Tgt Ion: 43 Resp: 209095

Ion Ratio Lower Upper

43 100

74 23.0 17.8 26.8

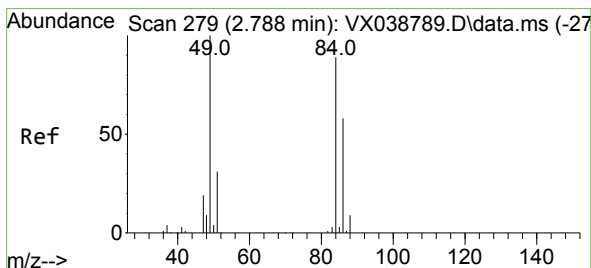
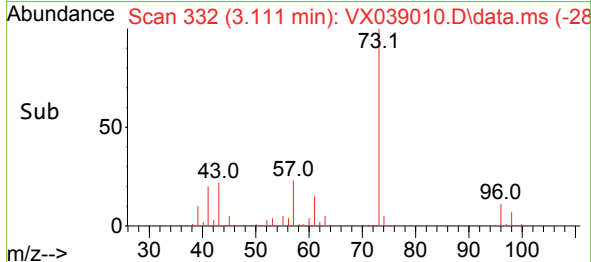
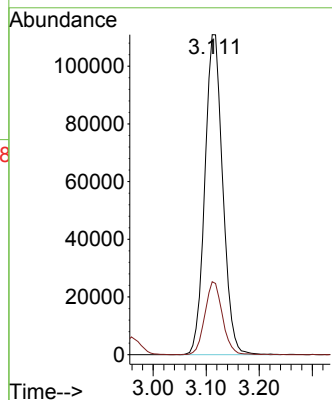
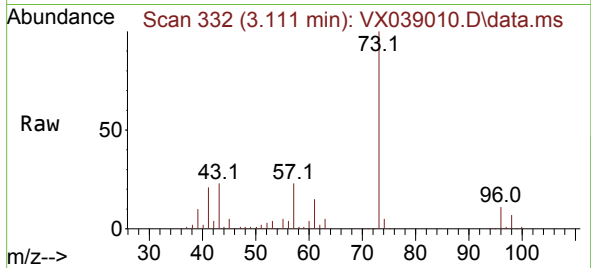




#19  
Methyl tert-butyl Ether  
Concen: 55.625 ug/l  
RT: 3.111 min Scan# 311  
Delta R.T. 0.000 min  
Lab File: VX039010.D  
Acq: 22 Nov 2023 18:04

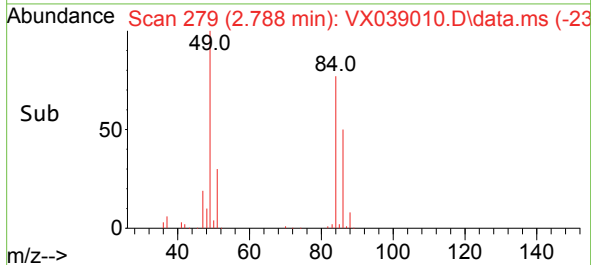
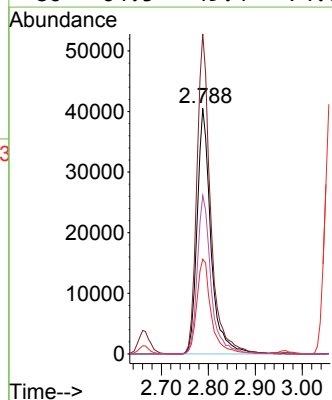
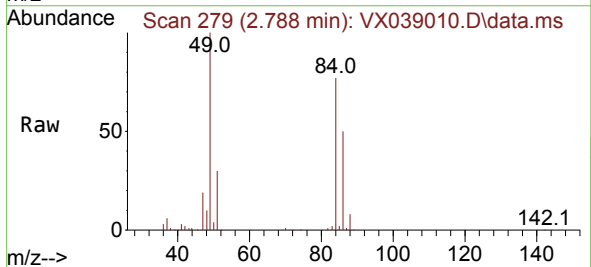
Instrument :  
MSVOA\_X  
ClientSampleId :

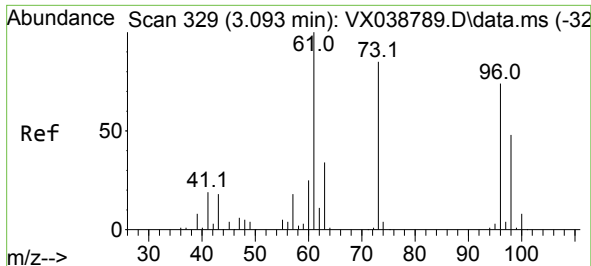
Tgt Ion: 73 Resp: 259518  
Ion Ratio Lower Upper  
73 100  
57 22.8 17.3 25.9



#20  
Methylene Chloride  
Concen: 50.301 ug/l  
RT: 2.788 min Scan# 279  
Delta R.T. 0.000 min  
Lab File: VX039010.D  
Acq: 22 Nov 2023 18:04

Tgt Ion: 84 Resp: 82779  
Ion Ratio Lower Upper  
84 100  
49 130.3 103.6 155.4  
51 38.5 33.8 50.6  
86 64.5 49.4 74.0

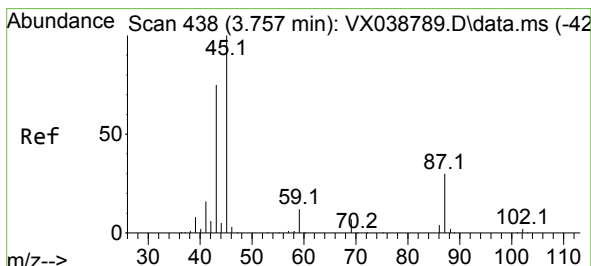
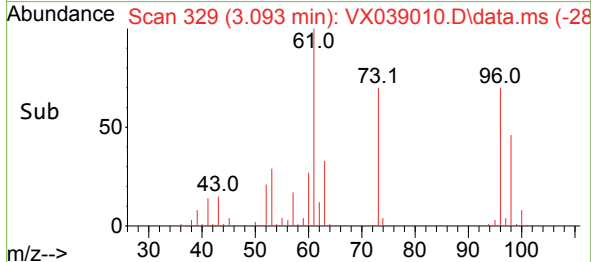
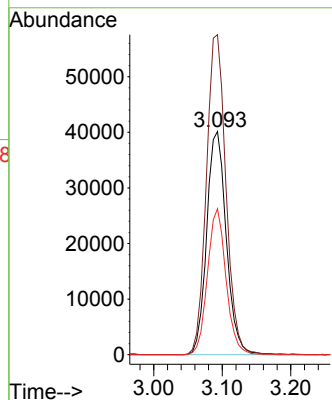
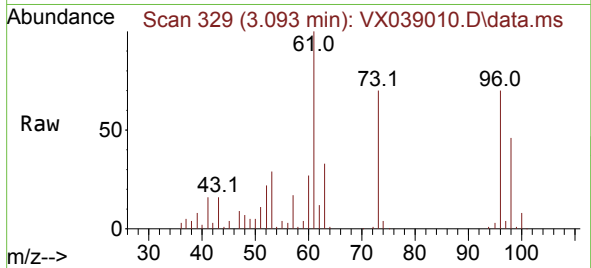




#21  
trans-1,2-Dichloroethene  
Concen: 54.503 ug/l  
RT: 3.093 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VX039010.D  
Acq: 22 Nov 2023 18:04

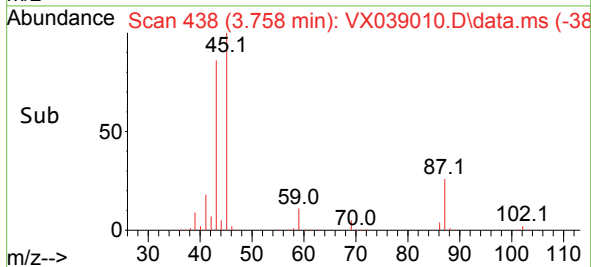
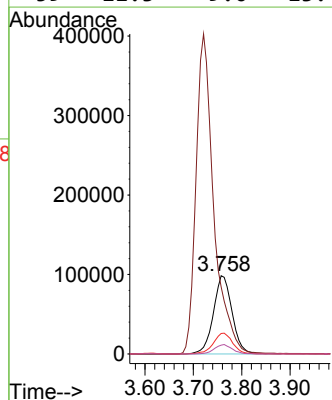
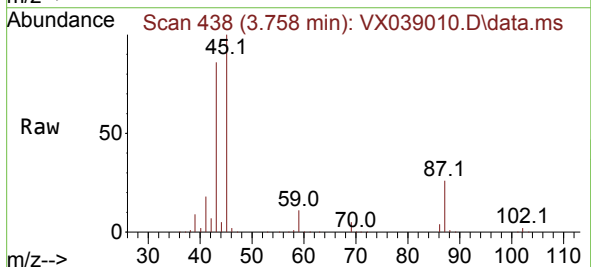
Instrument :  
MSVOA\_X  
ClientSampleId :

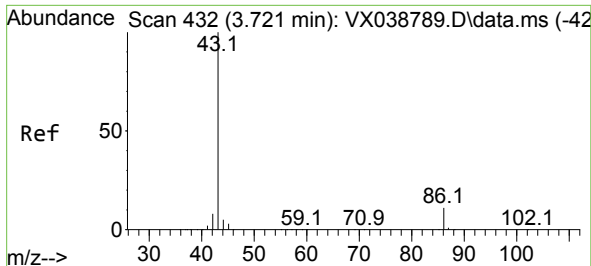
Tgt Ion: 96 Resp: 79772  
Ion Ratio Lower Upper  
96 100  
61 143.4 119.2 178.8  
98 65.4 48.7 73.1



#22  
Diisopropyl ether  
Concen: 54.291 ug/l  
RT: 3.758 min Scan# 438  
Delta R.T. 0.000 min  
Lab File: VX039010.D  
Acq: 22 Nov 2023 18:04

Tgt Ion: 45 Resp: 264511  
Ion Ratio Lower Upper  
45 100  
43 85.7 69.7 104.5  
87 26.1 20.8 31.2  
59 11.3 9.0 13.4

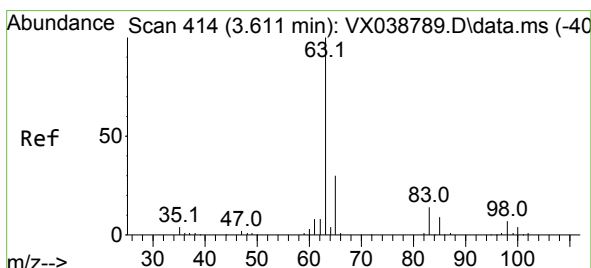
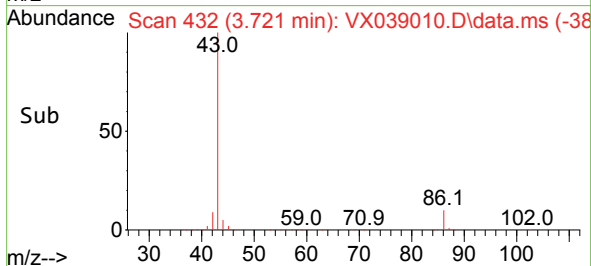
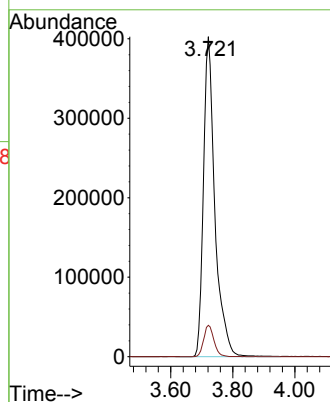
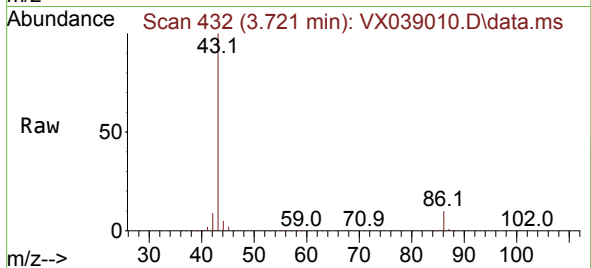




#23  
 Vinyl Acetate  
 Concen: 293.847 ug/l  
 RT: 3.721 min Scan# 41  
 Delta R.T. 0.000 min  
 Lab File: VX039010.D  
 Acq: 22 Nov 2023 18:04

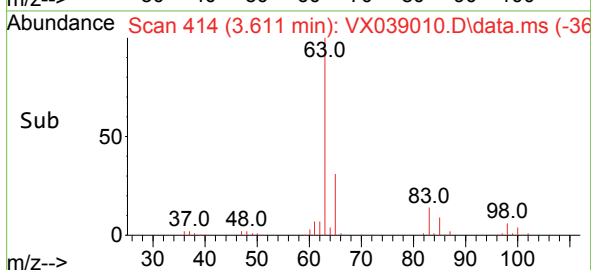
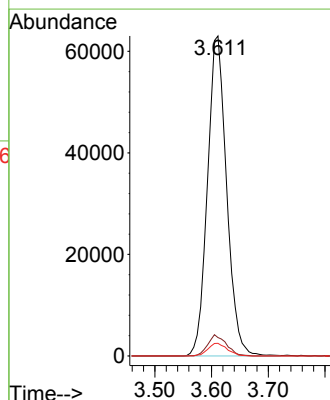
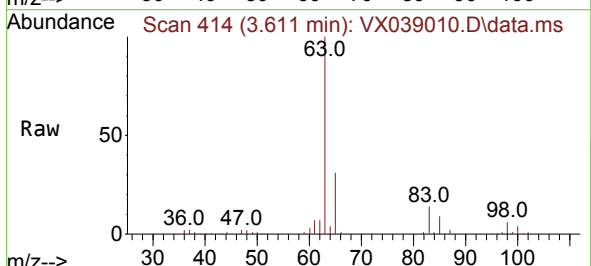
Instrument :  
 MSVOA\_X  
 ClientSampleId :

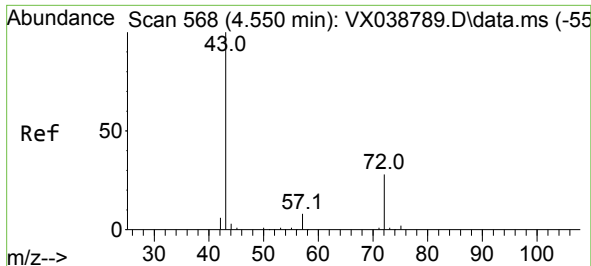
Tgt Ion: 43 Resp: 1031088  
 Ion Ratio Lower Upper  
 43 100  
 86 9.8 7.8 11.8



#24  
 1,1-Dichloroethane  
 Concen: 54.305 ug/l  
 RT: 3.611 min Scan# 414  
 Delta R.T. 0.000 min  
 Lab File: VX039010.D  
 Acq: 22 Nov 2023 18:04

Tgt Ion: 63 Resp: 147958  
 Ion Ratio Lower Upper  
 63 100  
 98 5.8 3.3 9.8  
 100 4.0 2.1 6.5





#25

2-Butanone

Concen: 260.594 ug/l

RT: 4.556 min Scan# 5

Delta R.T. 0.006 min

Lab File: VX039010.D

Acq: 22 Nov 2023 18:04

Instrument :

MSVOA\_X

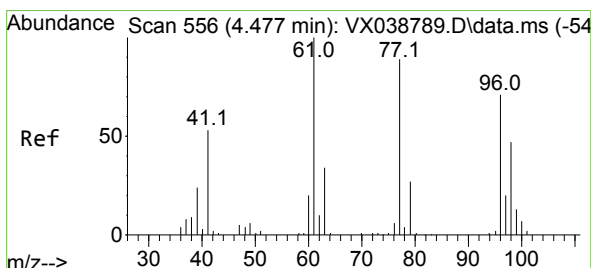
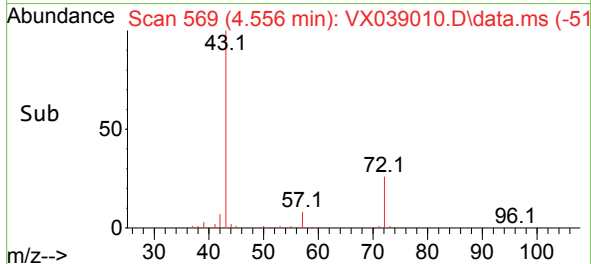
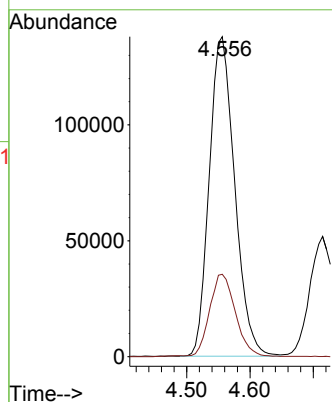
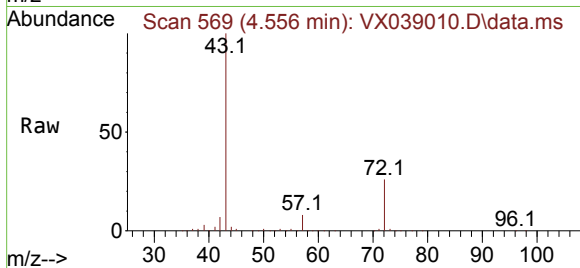
ClientSampleId :

Tgt Ion: 43 Resp: 385786

Ion Ratio Lower Upper

43 100

72 25.7 19.4 29.2



#26

2,2-Dichloropropane

Concen: 52.492 ug/l

RT: 4.477 min Scan# 556

Delta R.T. 0.000 min

Lab File: VX039010.D

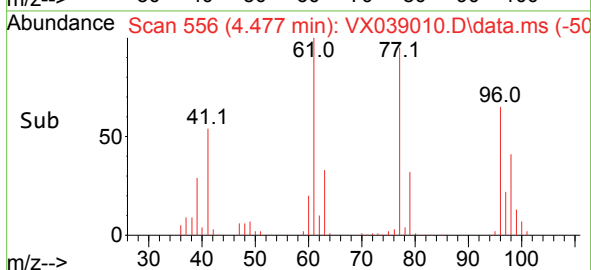
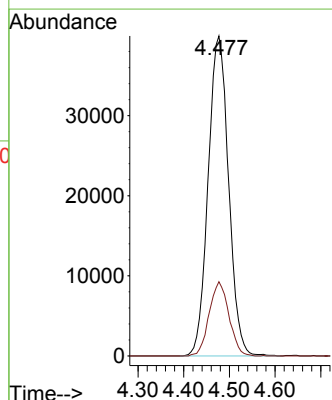
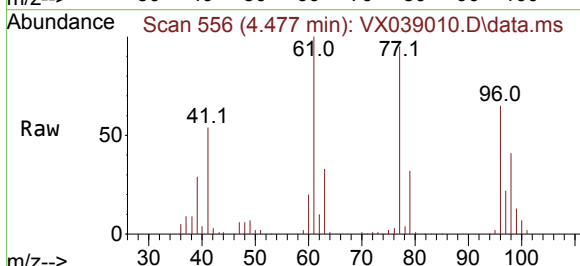
Acq: 22 Nov 2023 18:04

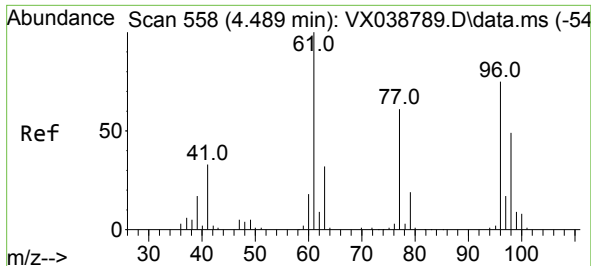
Tgt Ion: 77 Resp: 124057

Ion Ratio Lower Upper

77 100

97 22.5 10.8 32.3

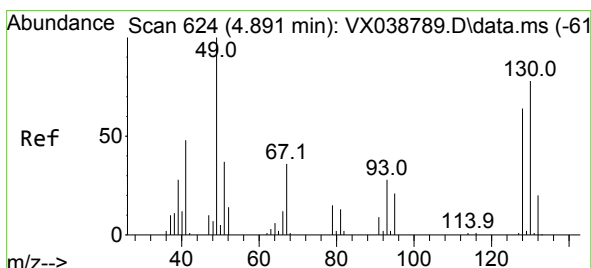
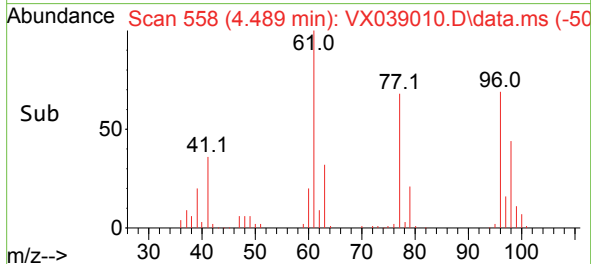
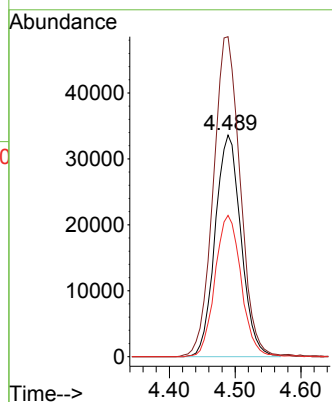
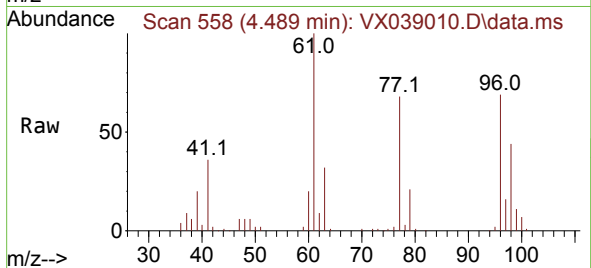




#27  
 cis-1,2-Dichloroethene  
 Concen: 53.883 ug/l  
 RT: 4.489 min Scan# 51  
 Delta R.T. 0.000 min  
 Lab File: VX039010.D  
 Acq: 22 Nov 2023 18:04

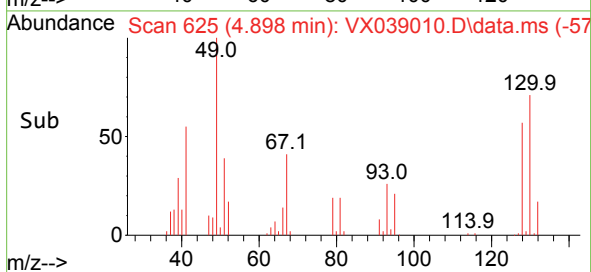
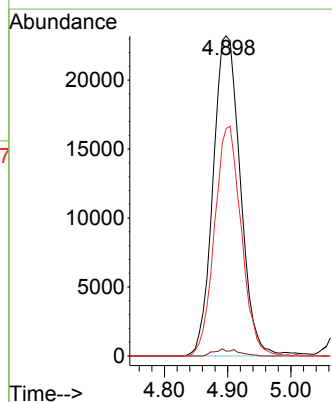
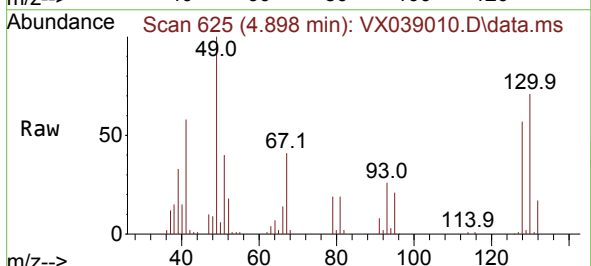
Instrument :  
 MSVOA\_X  
 ClientSampleId :

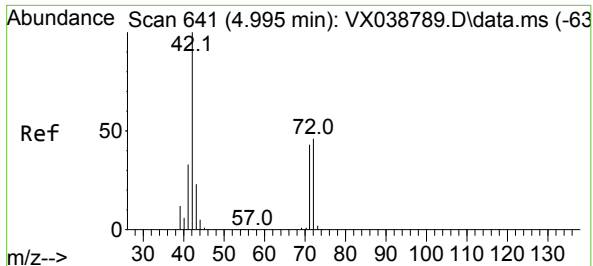
Tgt Ion: 96 Resp: 91928  
 Ion Ratio Lower Upper  
 96 100  
 61 150.7 0.0 312.2  
 98 64.5 0.0 129.0



#28  
 Bromochloromethane  
 Concen: 52.921 ug/l  
 RT: 4.898 min Scan# 625  
 Delta R.T. 0.006 min  
 Lab File: VX039010.D  
 Acq: 22 Nov 2023 18:04

Tgt Ion: 49 Resp: 69227  
 Ion Ratio Lower Upper  
 49 100  
 129 1.9 0.0 3.8  
 130 70.6 57.5 86.3





#29

Tetrahydrofuran

Concen: 283.272 ug/l

RT: 5.001 min Scan# 641

Delta R.T. 0.006 min

Lab File: VX039010.D

Acq: 22 Nov 2023 18:04

Instrument :

MSVOA\_X

ClientSampleId :

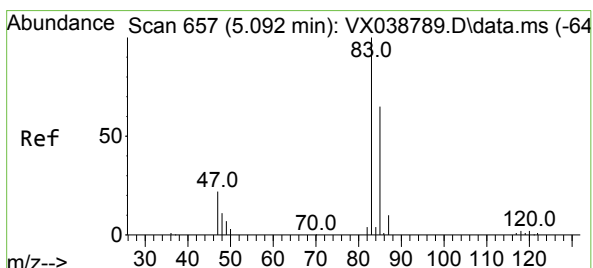
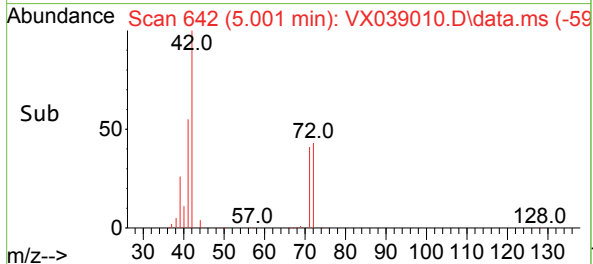
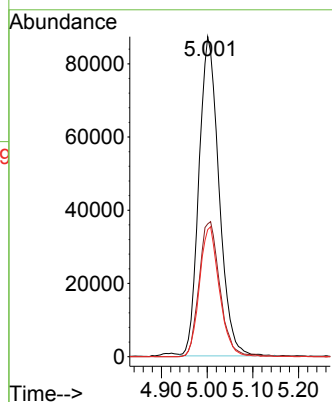
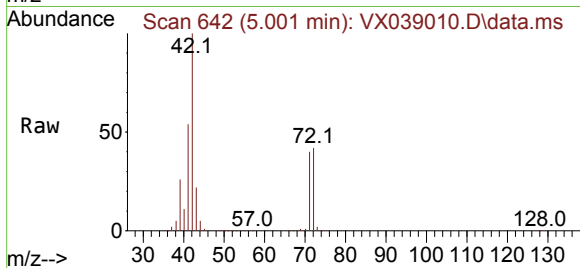
Tgt Ion: 42 Resp: 266269

Ion Ratio Lower Upper

42 100

72 43.9 34.2 51.4

71 40.2 32.2 48.2



#30

Chloroform

Concen: 56.743 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.000 min

Lab File: VX039010.D

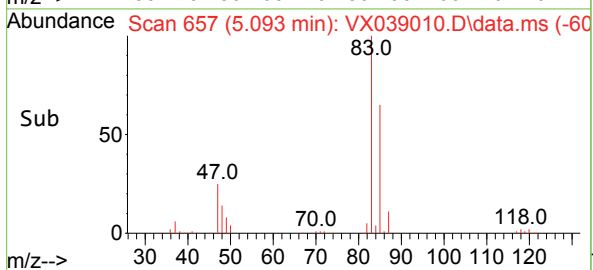
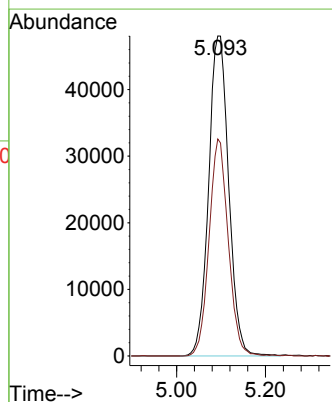
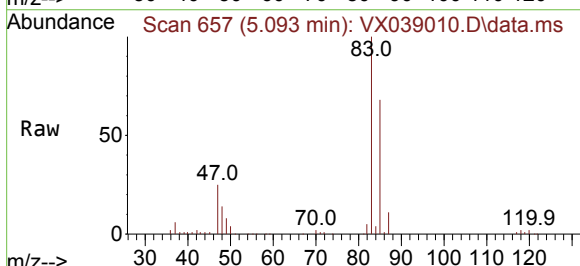
Acq: 22 Nov 2023 18:04

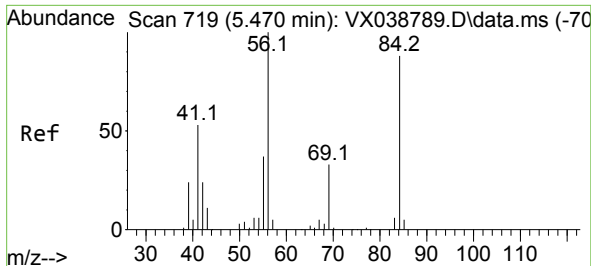
Tgt Ion: 83 Resp: 150961

Ion Ratio Lower Upper

83 100

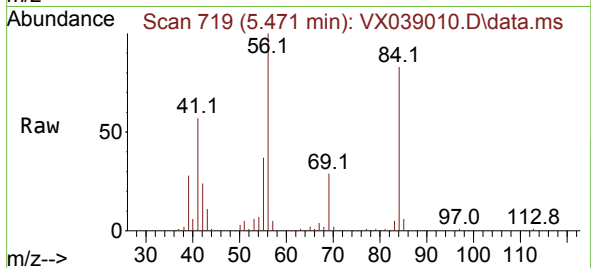
85 67.8 50.3 75.5



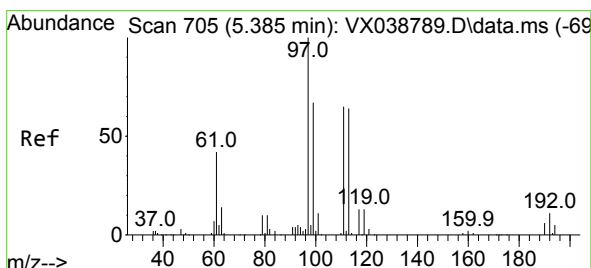
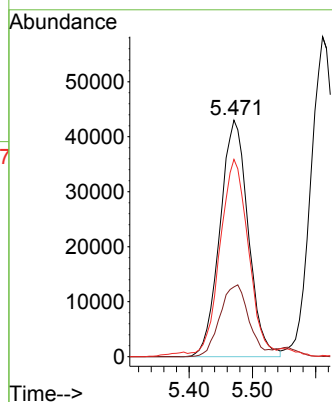
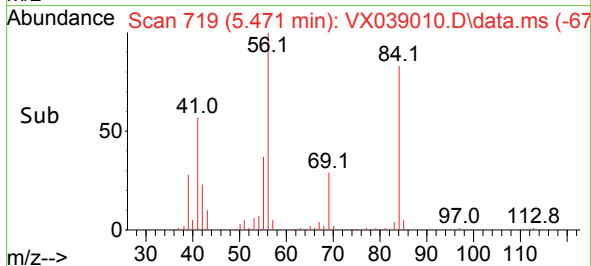


#31  
Cyclohexane  
Concen: 54.570 ug/l  
RT: 5.471 min Scan# 719  
Delta R.T. 0.000 min  
Lab File: VX039010.D  
Acq: 22 Nov 2023 18:04

Instrument :  
MSVOA\_X  
ClientSampleId :

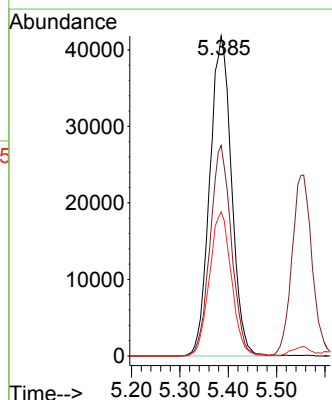
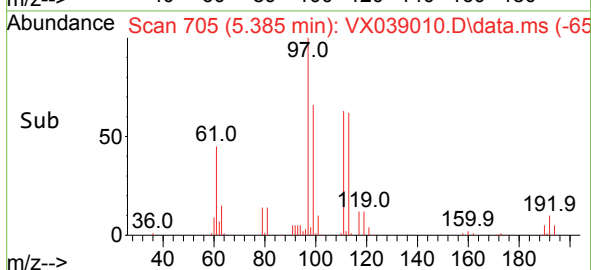
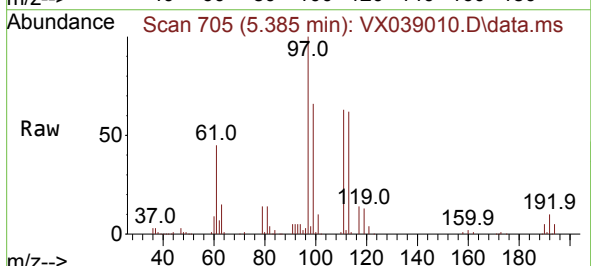


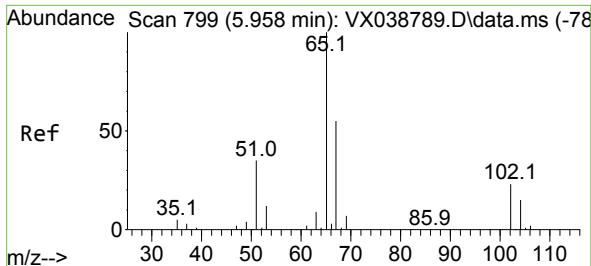
Tgt Ion: 56 Resp: 133611  
Ion Ratio Lower Upper  
56 100  
69 29.5 23.4 35.2  
84 81.8 65.9 98.9



#32  
1,1,1-Trichloroethane  
Concen: 56.468 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX039010.D  
Acq: 22 Nov 2023 18:04

Tgt Ion: 97 Resp: 130123  
Ion Ratio Lower Upper  
97 100  
99 64.6 51.1 76.7  
61 45.8 36.4 54.6





#33

1,2-Dichloroethane-d4

Concen: 55.114 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX039010.D

Acq: 22 Nov 2023 18:04

Instrument :

MSVOA\_X

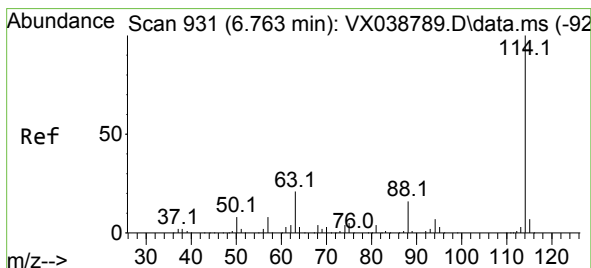
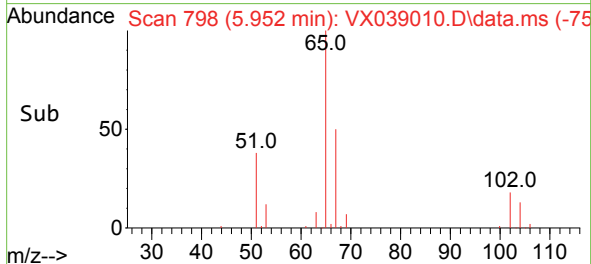
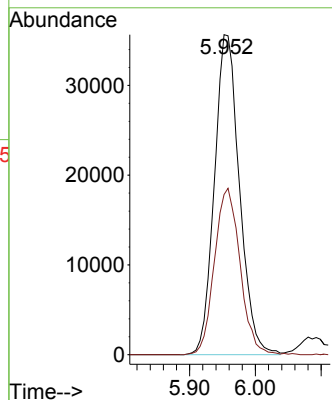
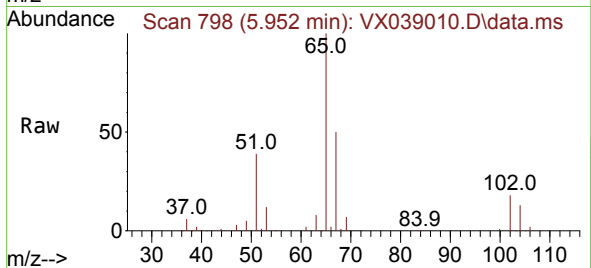
ClientSampleId :

Tgt Ion: 65 Resp: 94516

Ion Ratio Lower Upper

65 100

67 53.3 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX039010.D

Acq: 22 Nov 2023 18:04

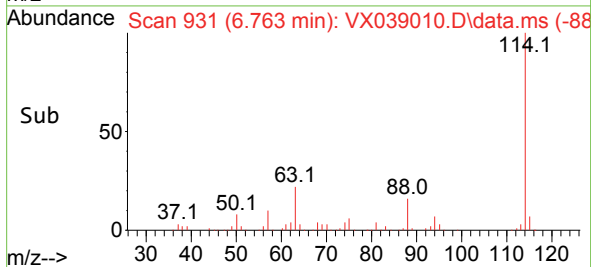
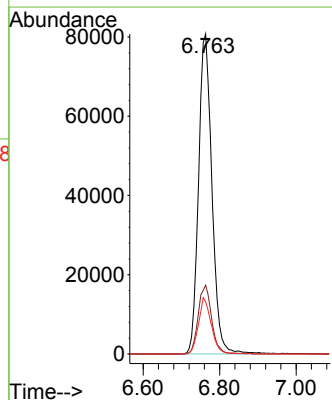
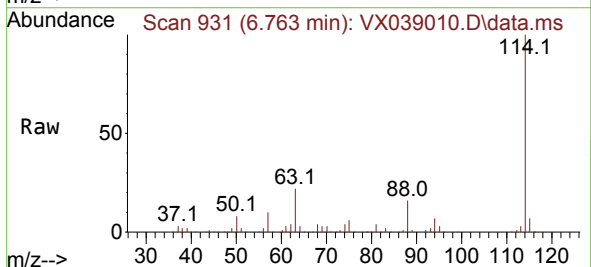
Tgt Ion: 114 Resp: 196314

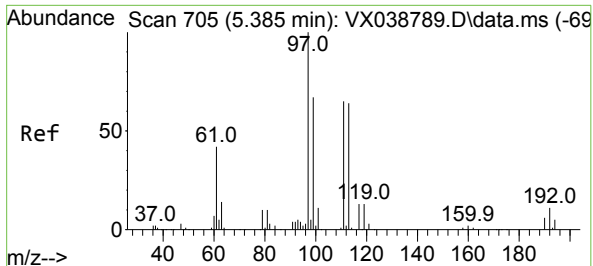
Ion Ratio Lower Upper

114 100

63 21.5 0.0 45.0

88 16.3 0.0 36.6

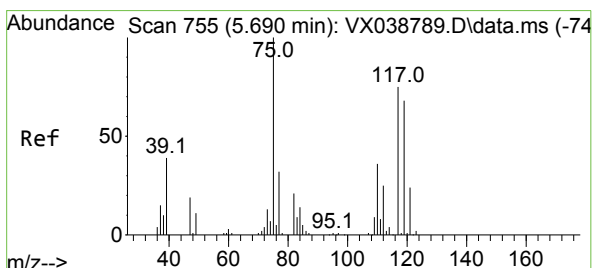
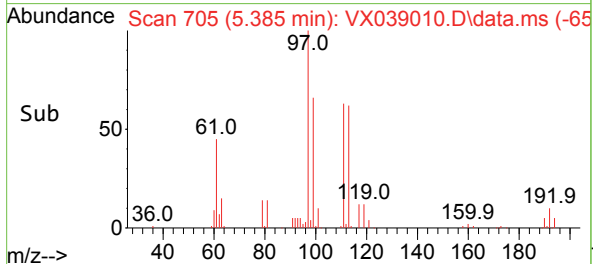
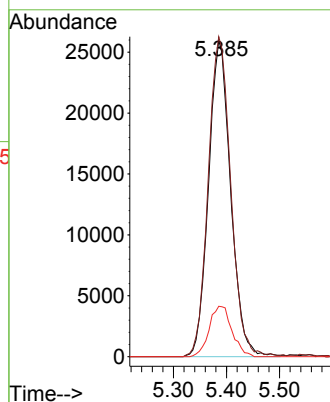
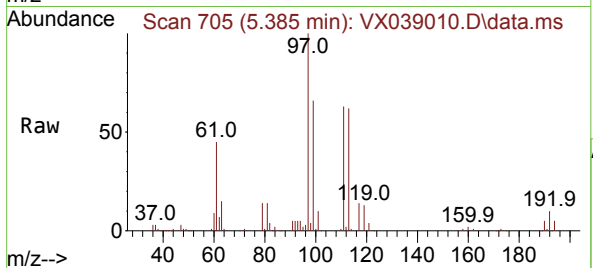




#35  
Dibromofluoromethane  
Concen: 52.943 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX039010.D  
Acq: 22 Nov 2023 18:04

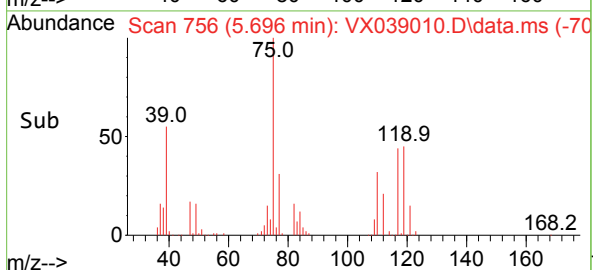
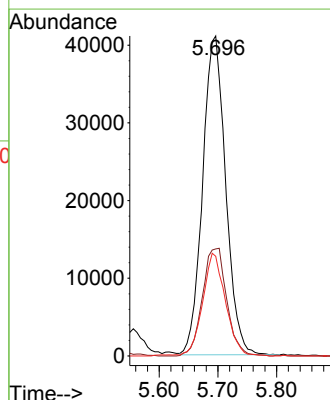
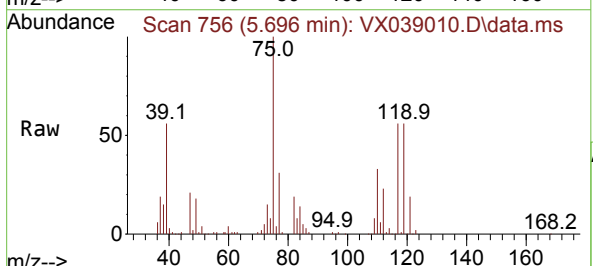
Instrument :  
MSVOA\_X  
ClientSampleId :

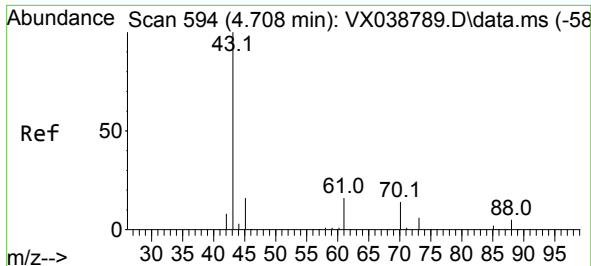
Tgt Ion:113 Resp: 75064  
Ion Ratio Lower Upper  
113 100  
111 103.5 82.9 124.3  
192 16.4 13.3 19.9



#36  
1,1-Dichloropropene  
Concen: 55.179 ug/l  
RT: 5.696 min Scan# 756  
Delta R.T. 0.006 min  
Lab File: VX039010.D  
Acq: 22 Nov 2023 18:04

Tgt Ion: 75 Resp: 112127  
Ion Ratio Lower Upper  
75 100  
110 35.6 17.0 50.9  
77 32.1 24.7 37.1





#37

Ethyl Acetate

Concen: 54.795 ug/l

RT: 4.715 min Scan# 595

Delta R.T. 0.006 min

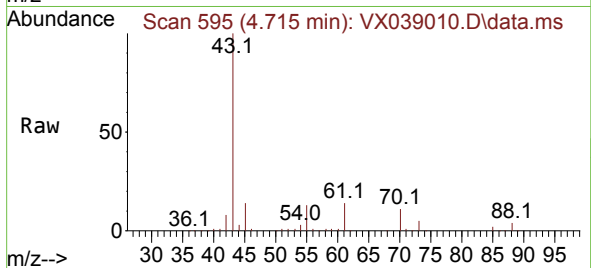
Lab File: VX039010.D

Acq: 22 Nov 2023 18:04

Instrument :

MSVOA\_X

ClientSampleId :



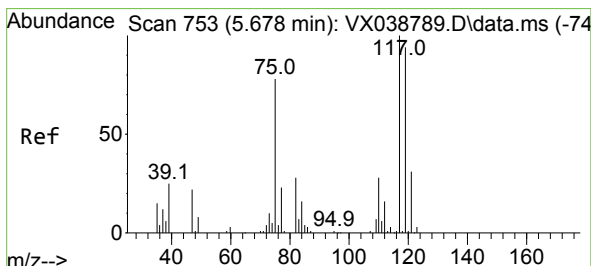
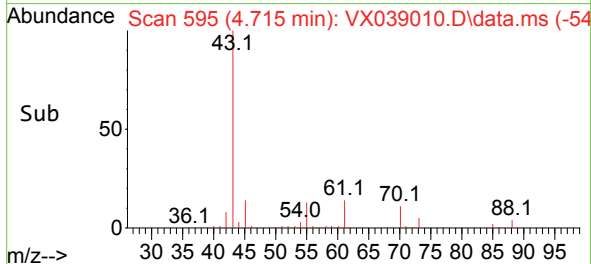
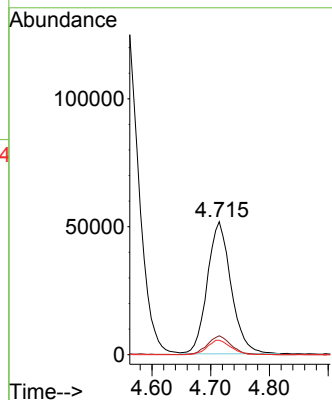
Tgt Ion: 43 Resp: 145070

Ion Ratio Lower Upper

43 100

61 14.3 10.6 16.0

70 10.9 8.3 12.5



#38

Carbon Tetrachloride

Concen: 59.413 ug/l

RT: 5.678 min Scan# 753

Delta R.T. 0.000 min

Lab File: VX039010.D

Acq: 22 Nov 2023 18:04

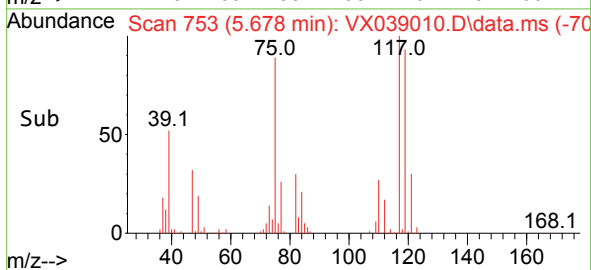
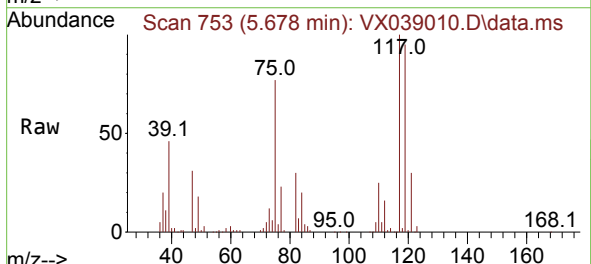
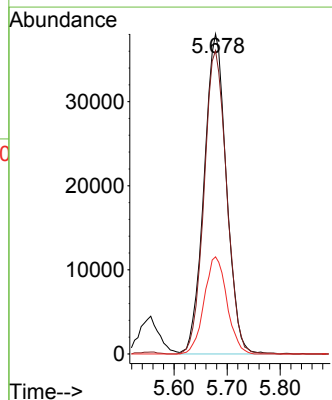
Tgt Ion: 117 Resp: 111584

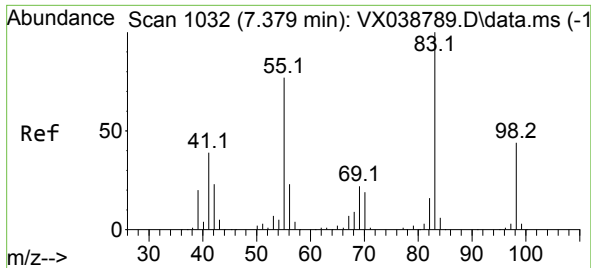
Ion Ratio Lower Upper

117 100

119 94.8 78.2 117.2

121 30.3 24.4 36.6

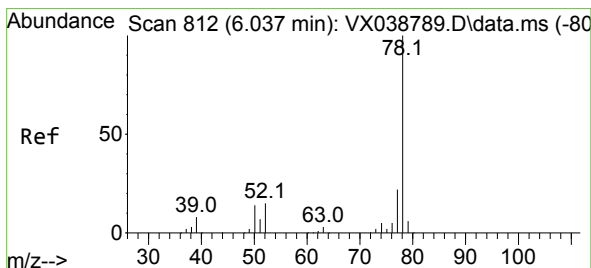
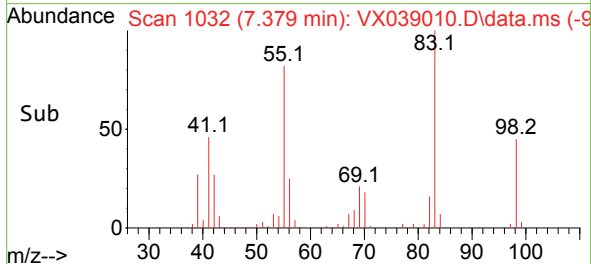
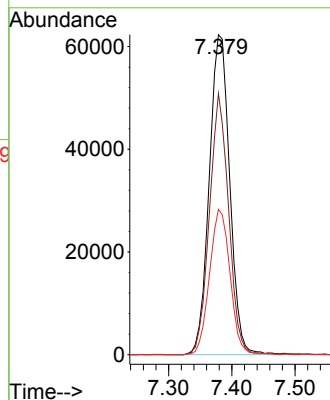
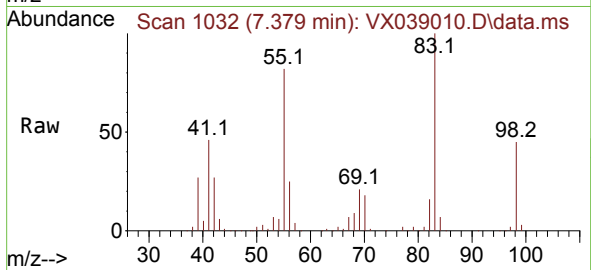




#39  
Methylcyclohexane  
Concen: 52.885 ug/l  
RT: 7.379 min Scan# 1032  
Delta R.T. 0.000 min  
Lab File: VX039010.D  
Acq: 22 Nov 2023 18:04

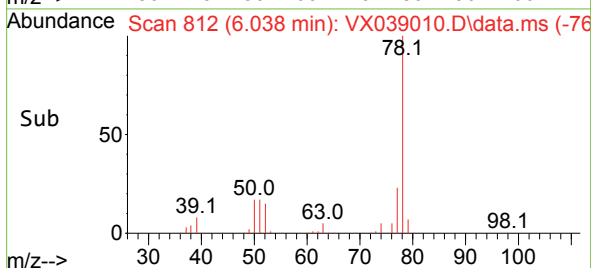
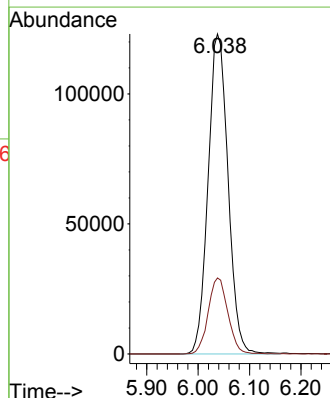
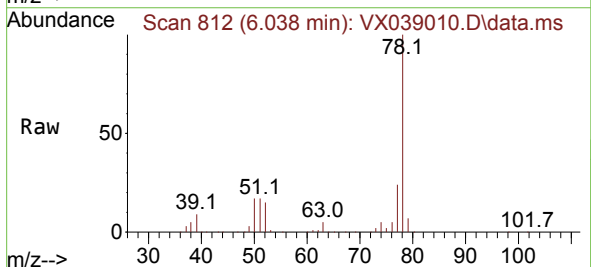
Instrument :  
MSVOA\_X  
ClientSampleId :

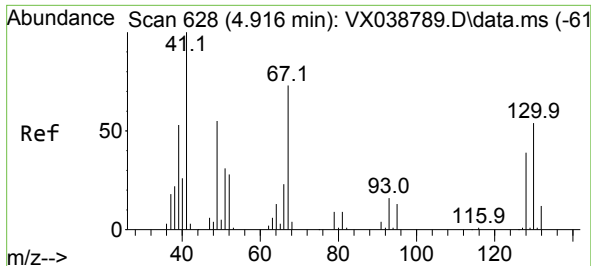
Tgt Ion: 83 Resp: 140179  
Ion Ratio Lower Upper  
83 100  
55 81.6 64.6 97.0  
98 45.4 36.7 55.1



#40  
Benzene  
Concen: 55.151 ug/l  
RT: 6.038 min Scan# 812  
Delta R.T. 0.000 min  
Lab File: VX039010.D  
Acq: 22 Nov 2023 18:04

Tgt Ion: 78 Resp: 331469  
Ion Ratio Lower Upper  
78 100  
77 23.7 19.3 28.9



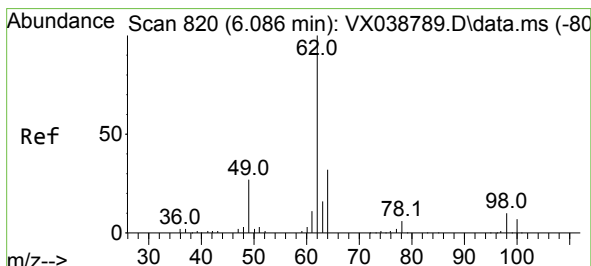
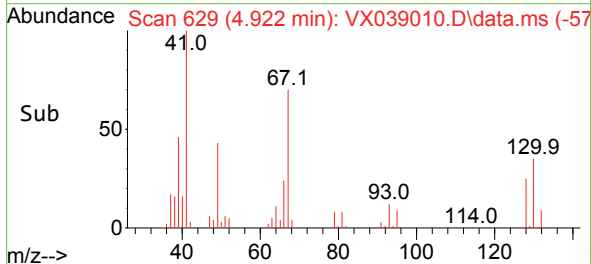
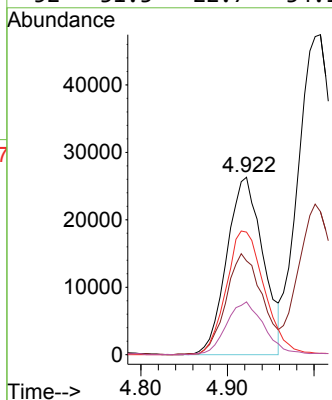
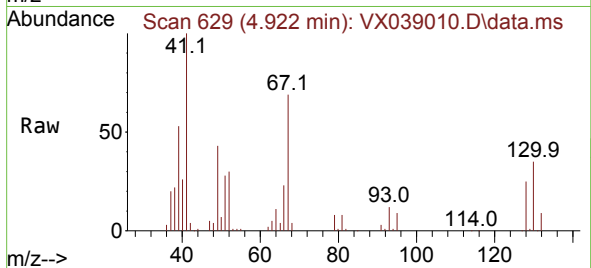


#41  
Methacrylonitrile  
Concen: 55.745 ug/l  
RT: 4.922 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VX039010.D  
Acq: 22 Nov 2023 18:04

Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion: 41 Resp: 76544

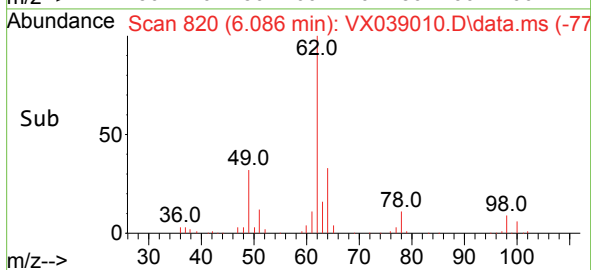
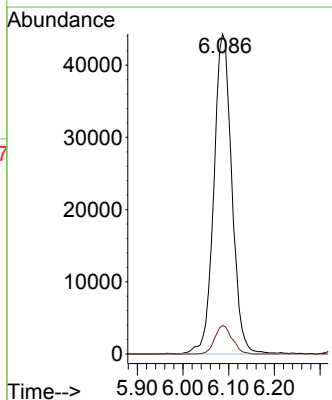
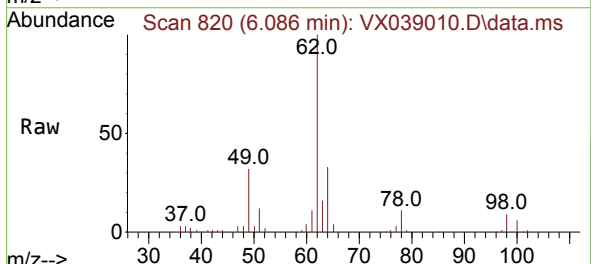
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 56.9  | 45.2  | 67.8  |
| 67  | 73.7  | 52.6  | 78.8  |
| 52  | 31.3  | 22.7  | 34.1  |

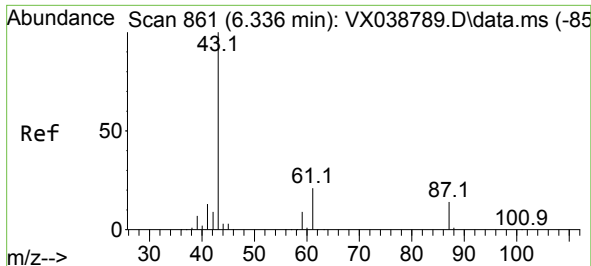


#42  
1,2-Dichloroethane  
Concen: 61.074 ug/l  
RT: 6.086 min Scan# 820  
Delta R.T. 0.000 min  
Lab File: VX039010.D  
Acq: 22 Nov 2023 18:04

Tgt Ion: 62 Resp: 121617

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 8.6   | 0.0   | 16.0  |





#43

Isopropyl Acetate

Concen: 54.962 ug/l

RT: 6.336 min Scan# 861

Delta R.T. 0.000 min

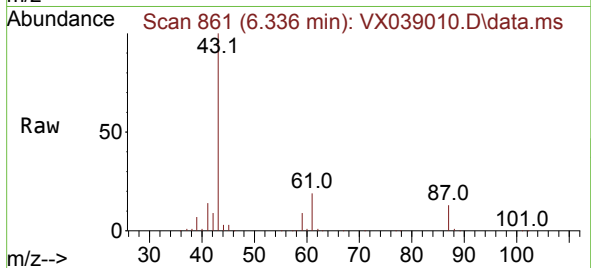
Lab File: VX039010.D

Acq: 22 Nov 2023 18:04

Instrument :

MSVOA\_X

ClientSampleId :



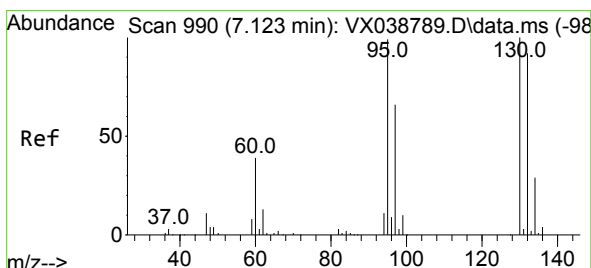
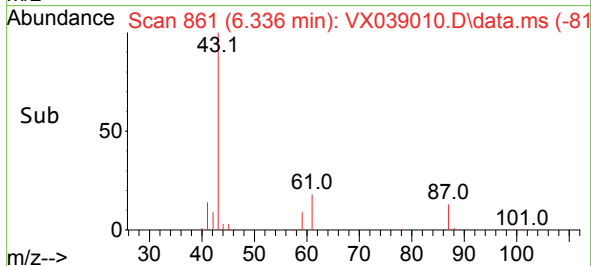
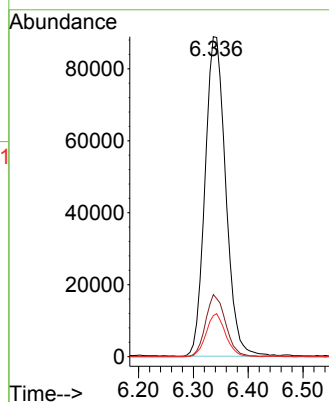
Tgt Ion: 43 Resp: 232546

Ion Ratio Lower Upper

43 100

61 18.8 15.2 22.8

87 12.7 9.8 14.6



#44

Trichloroethene

Concen: 56.975 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.006 min

Lab File: VX039010.D

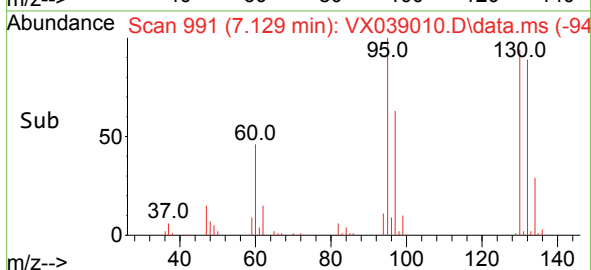
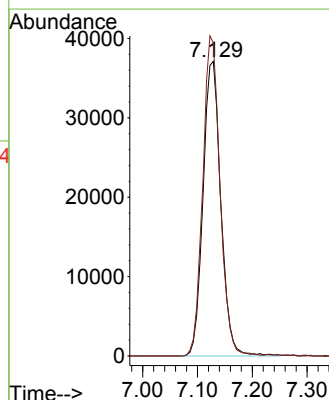
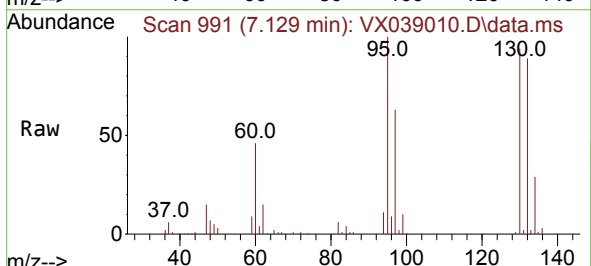
Acq: 22 Nov 2023 18:04

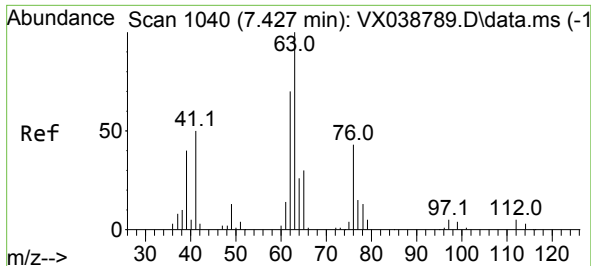
Tgt Ion:130 Resp: 83352

Ion Ratio Lower Upper

130 100

95 106.3 0.0 204.4

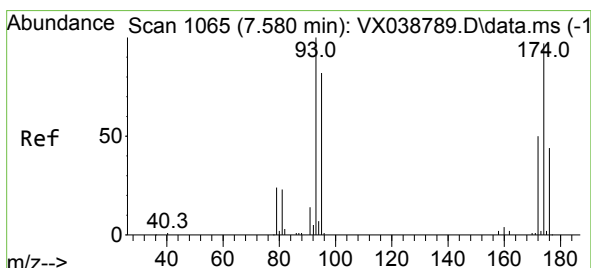
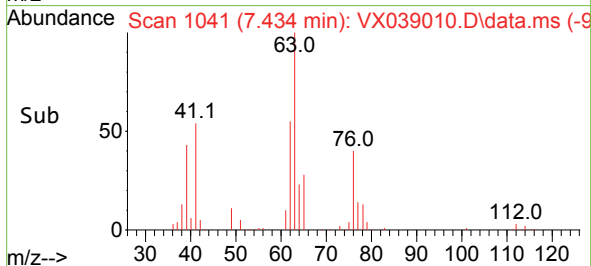
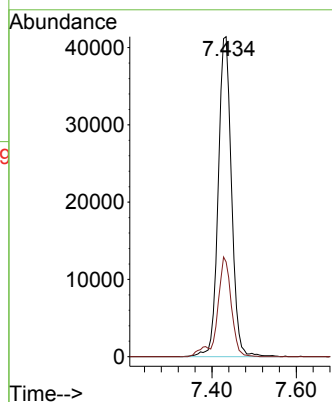
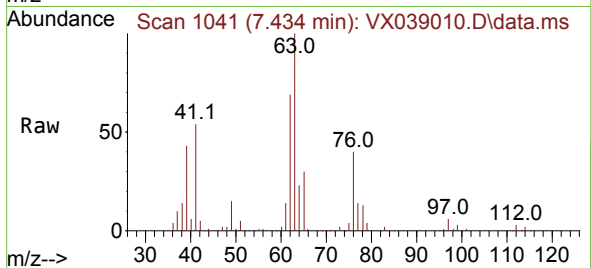




#45  
1,2-Dichloropropane  
Concen: 55.842 ug/l  
RT: 7.434 min Scan# 1041  
Delta R.T. 0.006 min  
Lab File: VX039010.D  
Acq: 22 Nov 2023 18:04

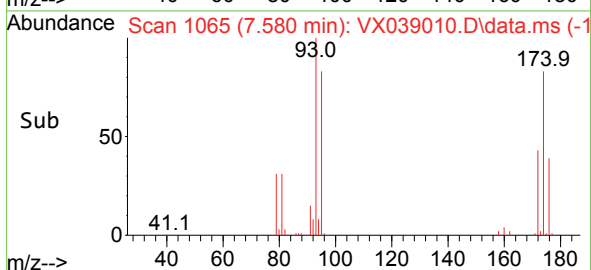
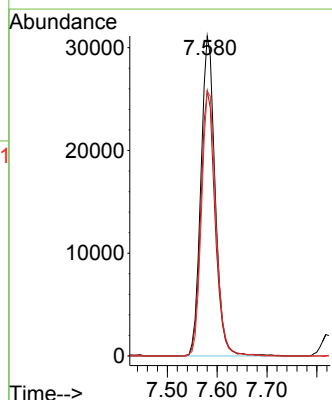
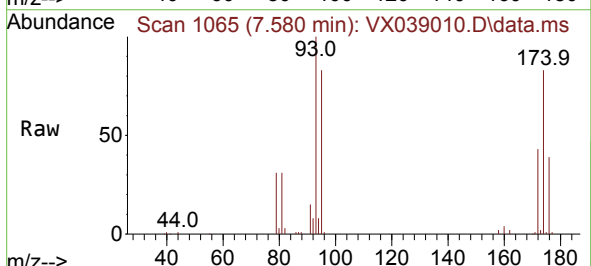
Instrument :  
MSVOA\_X  
ClientSampleId :

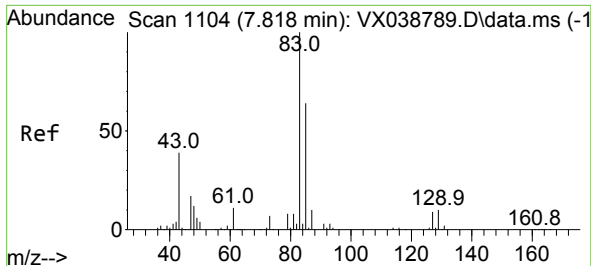
Tgt Ion: 63 Resp: 90319  
Ion Ratio Lower Upper  
63 100  
65 29.6 24.3 36.5



#46  
Dibromomethane  
Concen: 57.277 ug/l  
RT: 7.580 min Scan# 1065  
Delta R.T. 0.000 min  
Lab File: VX039010.D  
Acq: 22 Nov 2023 18:04

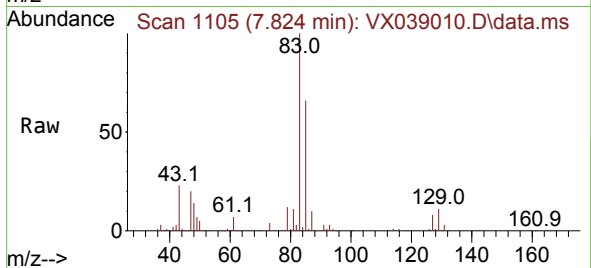
Tgt Ion: 93 Resp: 61780  
Ion Ratio Lower Upper  
93 100  
95 83.4 66.6 100.0  
174 84.0 69.4 104.0



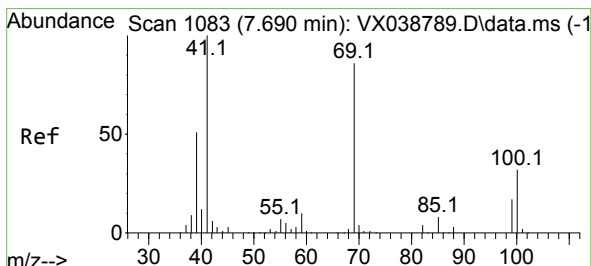
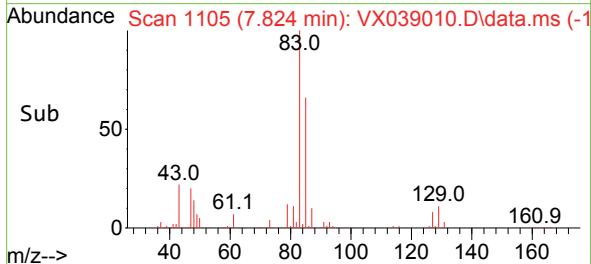
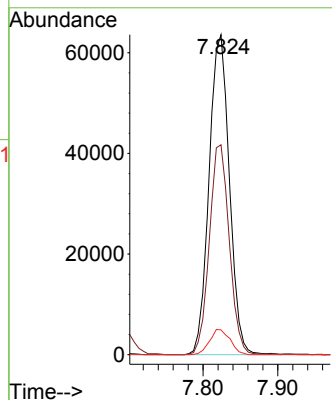


#47  
Bromodichloromethane  
Concen: 56.045 ug/l  
RT: 7.824 min Scan# 1105  
Delta R.T. 0.006 min  
Lab File: VX039010.D  
Acq: 22 Nov 2023 18:04

Instrument :  
MSVOA\_X  
ClientSampleId :

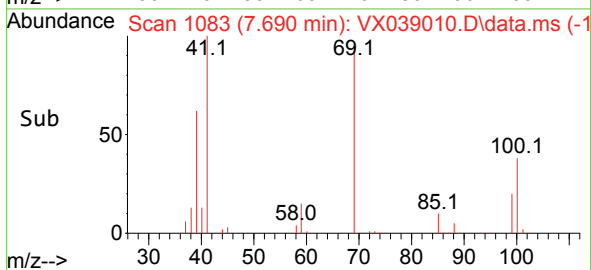
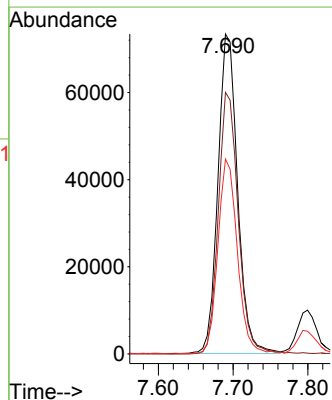
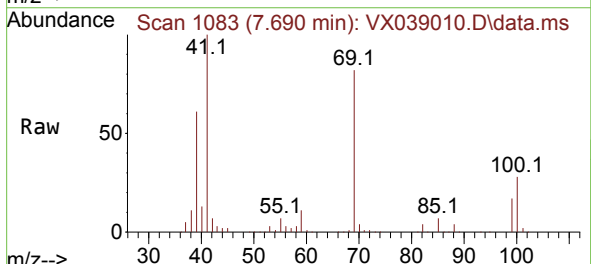


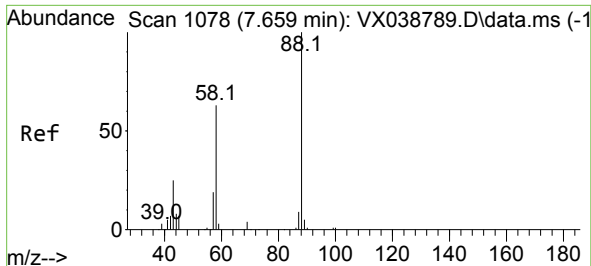
Tgt Ion: 83 Resp: 119981  
Ion Ratio Lower Upper  
83 100  
85 65.6 49.8 74.6  
127 7.7 7.1 10.7



#48  
Methyl methacrylate  
Concen: 65.423 ug/l  
RT: 7.690 min Scan# 1083  
Delta R.T. 0.000 min  
Lab File: VX039010.D  
Acq: 22 Nov 2023 18:04

Tgt Ion: 41 Resp: 134306  
Ion Ratio Lower Upper  
41 100  
69 82.9 59.2 88.8  
39 61.0 47.7 71.5

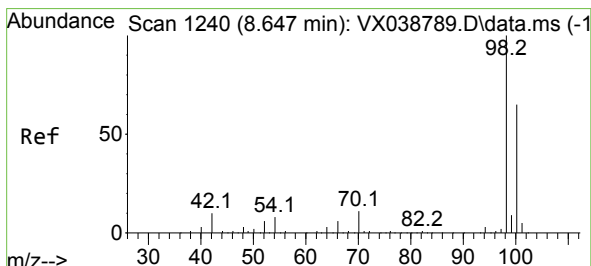
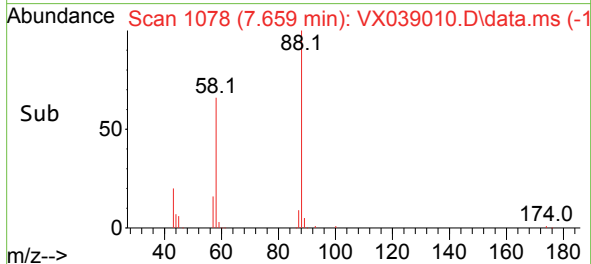
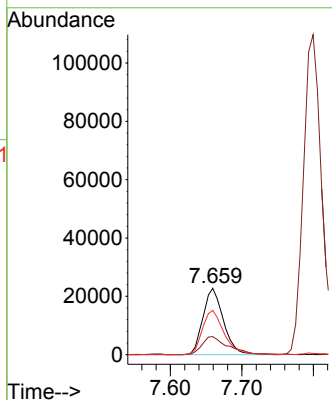
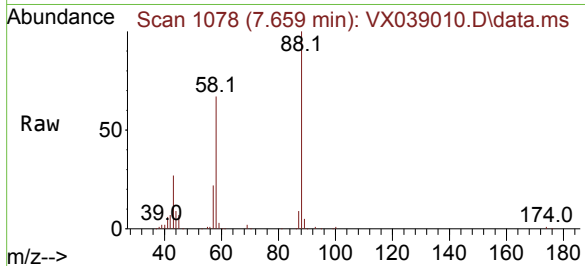




#49  
1,4-Dioxane  
Concen: 1137.947 ug/l  
RT: 7.659 min Scan# 1078  
Delta R.T. 0.000 min  
Lab File: VX039010.D  
Acq: 22 Nov 2023 18:04

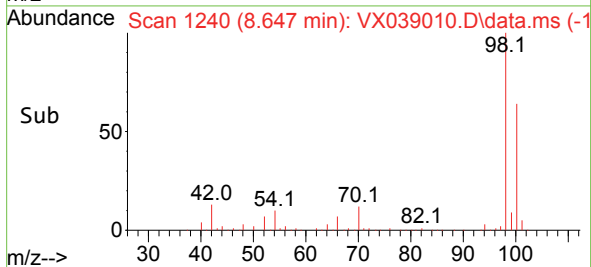
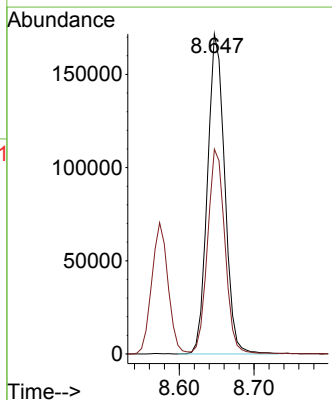
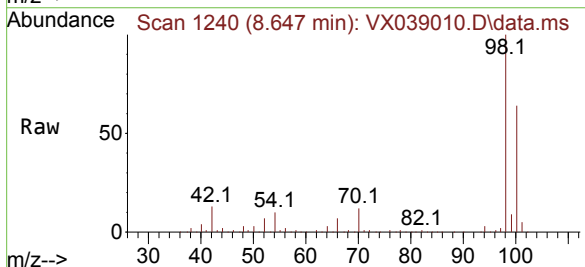
Instrument :  
MSVOA\_X  
ClientSampleId :

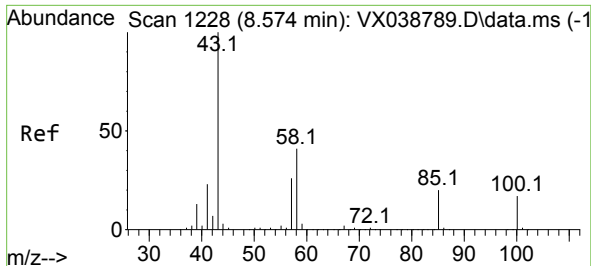
Tgt Ion: 88 Resp: 45194  
Ion Ratio Lower Upper  
88 100  
43 35.0 0.0 0.0#  
58 70.5 60.1 90.1



#50  
Toluene-d8  
Concen: 50.625 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX039010.D  
Acq: 22 Nov 2023 18:04

Tgt Ion: 98 Resp: 274623  
Ion Ratio Lower Upper  
98 100  
100 64.4 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 283.181 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VX039010.D

Acq: 22 Nov 2023 18:04

Instrument :

MSVOA\_X

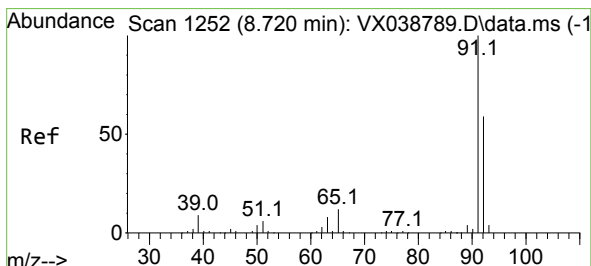
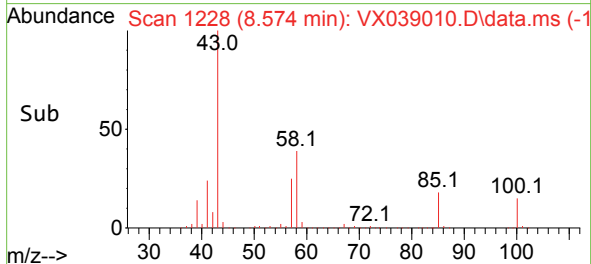
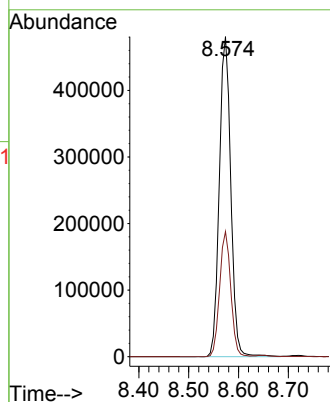
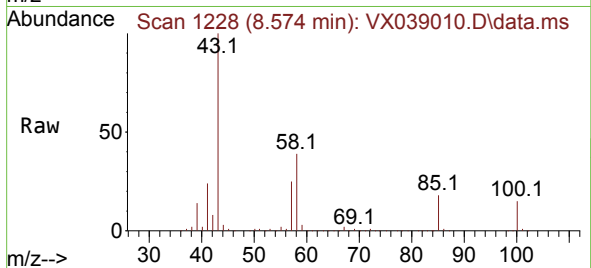
ClientSampleId :

Tgt Ion: 43 Resp: 765689

Ion Ratio Lower Upper

43 100

58 38.0 30.4 45.6



#52

Toluene

Concen: 55.816 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX039010.D

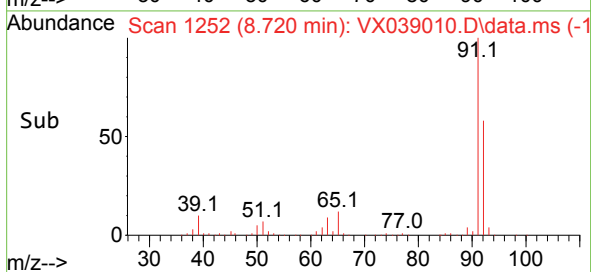
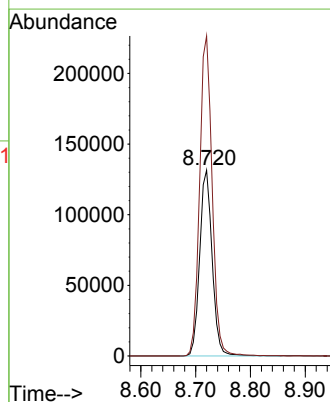
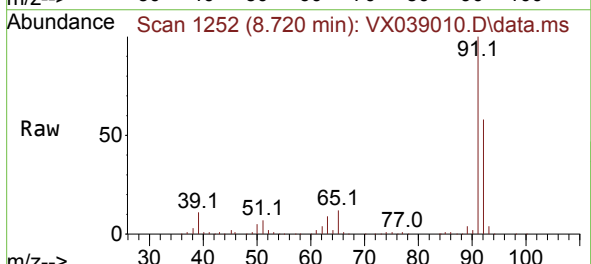
Acq: 22 Nov 2023 18:04

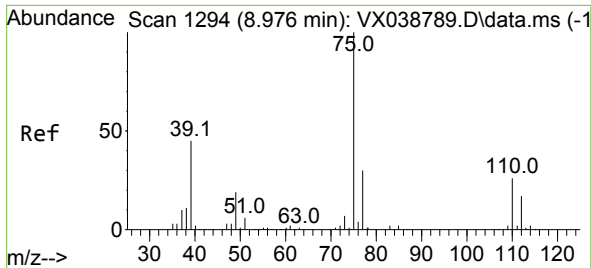
Tgt Ion: 92 Resp: 208176

Ion Ratio Lower Upper

92 100

91 173.0 134.2 201.2

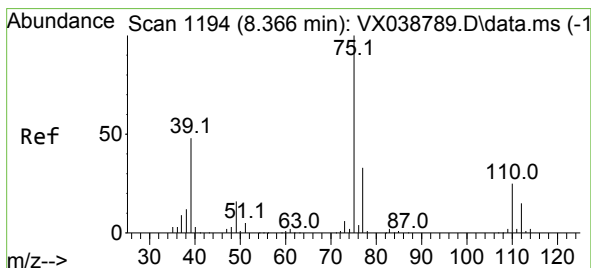
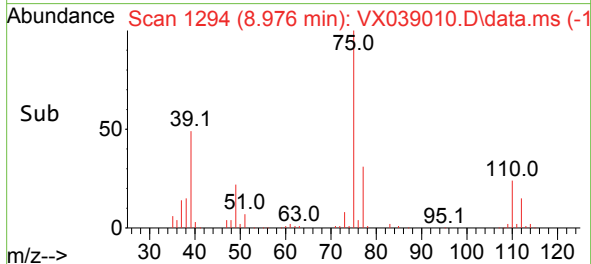
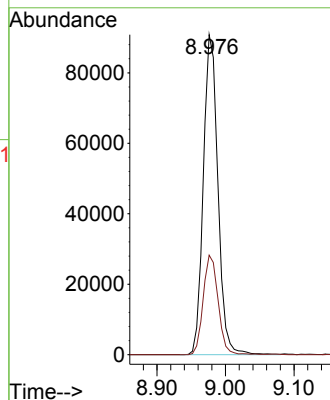
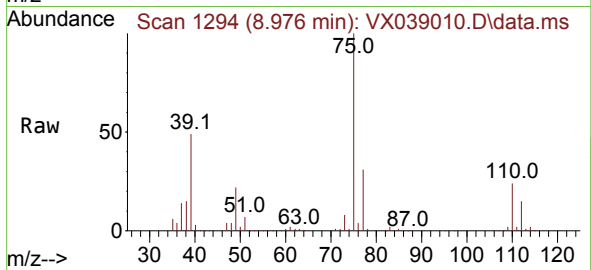




#53  
 t-1,3-Dichloropropene  
 Concen: 52.951 ug/l  
 RT: 8.976 min Scan# 1294  
 Delta R.T. 0.000 min  
 Lab File: VX039010.D  
 Acq: 22 Nov 2023 18:04

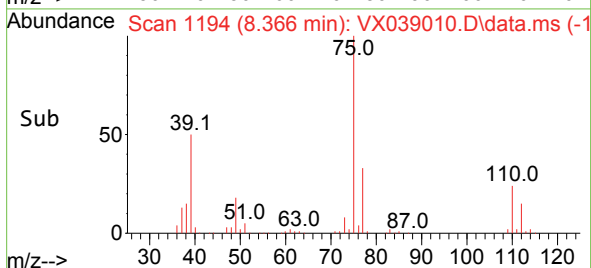
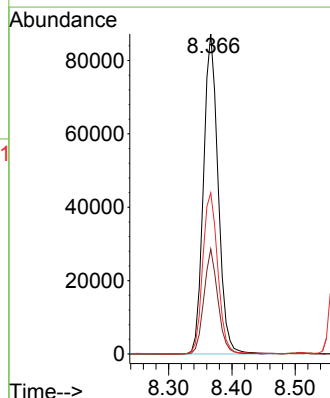
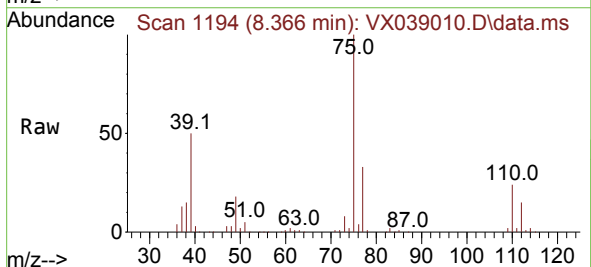
Instrument :  
 MSVOA\_X  
 ClientSampleId :

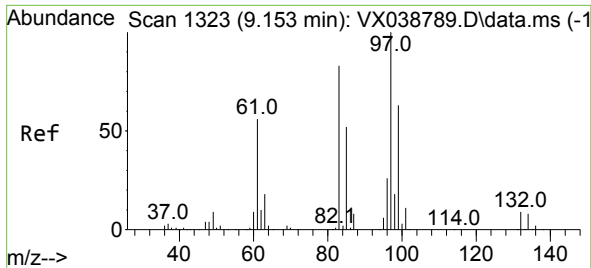
Tgt Ion: 75 Resp: 134710  
 Ion Ratio Lower Upper  
 75 100  
 77 31.1 25.7 38.5



#54  
 cis-1,3-Dichloropropene  
 Concen: 53.561 ug/l  
 RT: 8.366 min Scan# 1194  
 Delta R.T. 0.000 min  
 Lab File: VX039010.D  
 Acq: 22 Nov 2023 18:04

Tgt Ion: 75 Resp: 140752  
 Ion Ratio Lower Upper  
 75 100  
 77 32.8 25.3 37.9  
 39 50.4 46.7 70.1

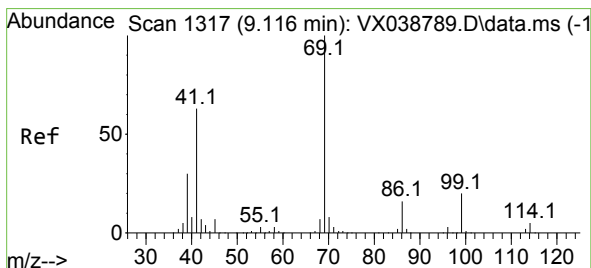
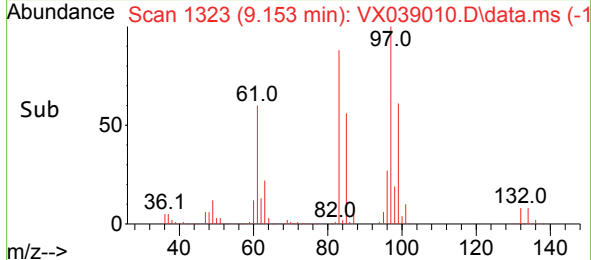
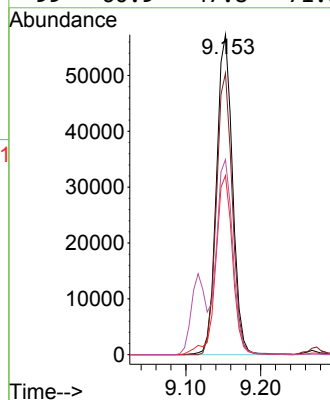
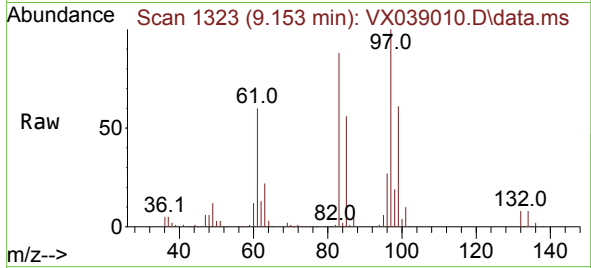




#55  
 1,1,2-Trichloroethane  
 Concen: 55.036 ug/l  
 RT: 9.153 min Scan# 1323  
 Delta R.T. 0.000 min  
 Lab File: VX039010.D  
 Acq: 22 Nov 2023 18:04

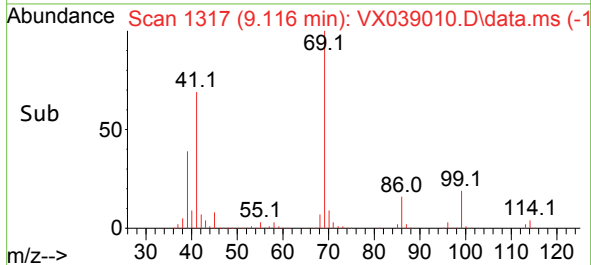
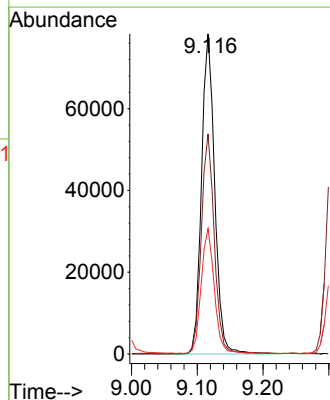
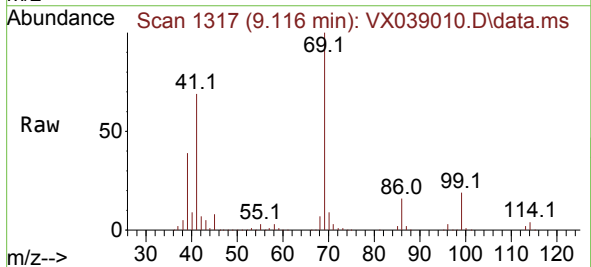
Instrument :  
 MSVOA\_X  
 ClientSampleId :

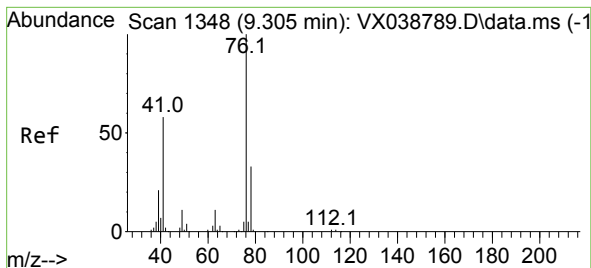
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 85649 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 87.9  | 65.8  | 98.8  |
| 85       | 55.9  | 41.6  | 62.4  |
| 99       | 60.9  | 47.8  | 71.8  |



#56  
 Ethyl methacrylate  
 Concen: 41.432 ug/l  
 RT: 9.116 min Scan# 1317  
 Delta R.T. 0.000 min  
 Lab File: VX039010.D  
 Acq: 22 Nov 2023 18:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 109093 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 67.8  | 56.8  | 85.2   |
| 39       | 39.3  | 32.0  | 48.0   |





#57

1,3-Dichloropropane

Concen: 56.287 ug/l

RT: 9.305 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX039010.D

Acq: 22 Nov 2023 18:04

Instrument :

MSVOA\_X

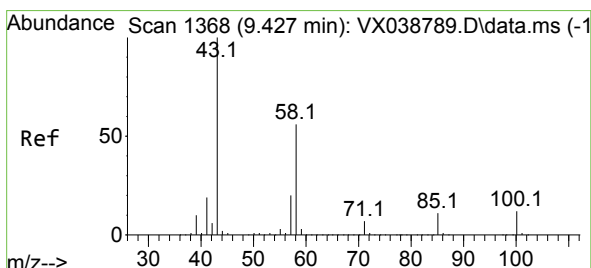
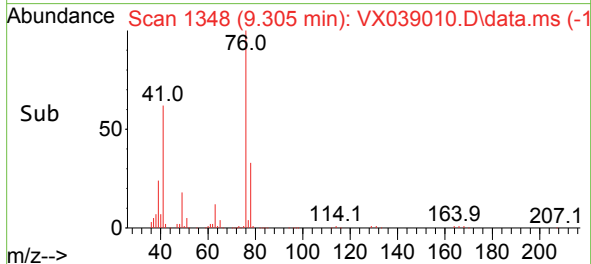
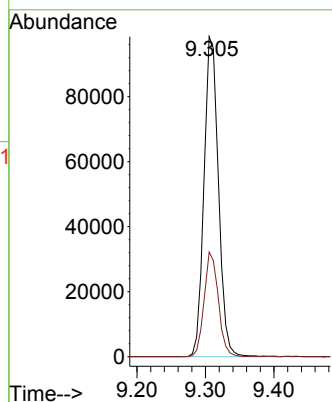
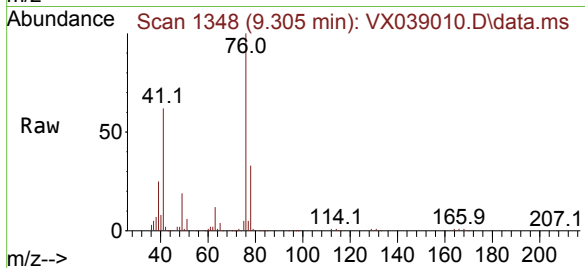
ClientSampleId :

Tgt Ion: 76 Resp: 144868

Ion Ratio Lower Upper

76 100

78 32.1 26.1 39.1



#59

2-Hexanone

Concen: 281.067 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX039010.D

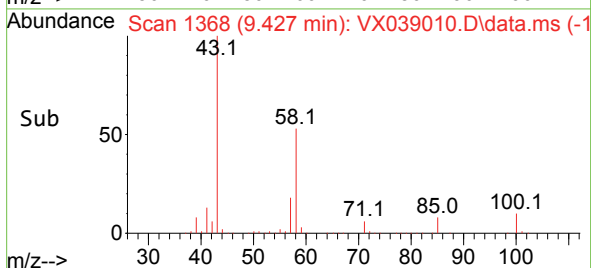
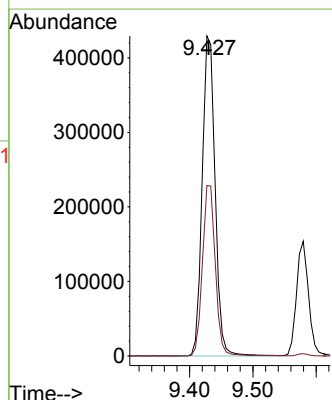
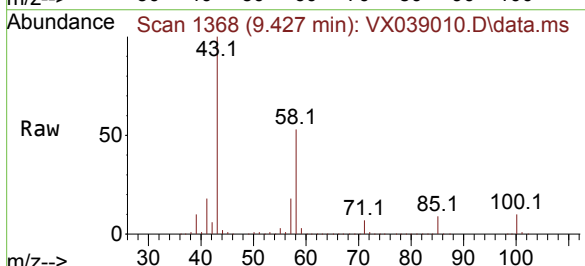
Acq: 22 Nov 2023 18:04

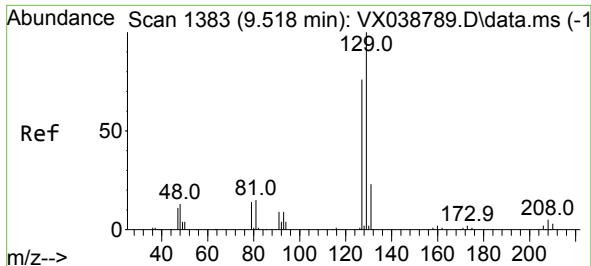
Tgt Ion: 43 Resp: 609138

Ion Ratio Lower Upper

43 100

58 53.4 26.2 78.5

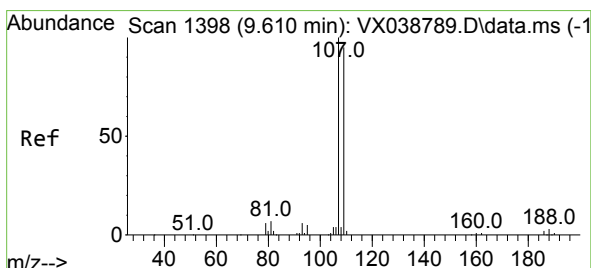
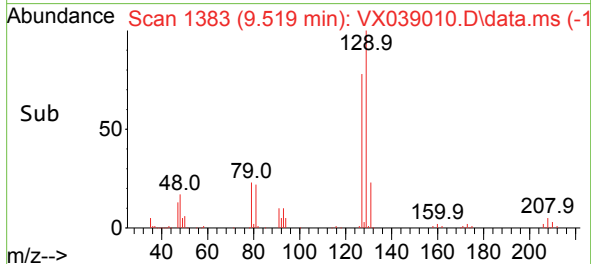
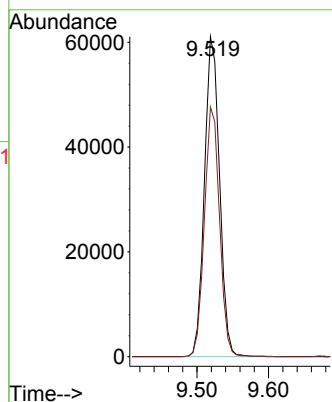
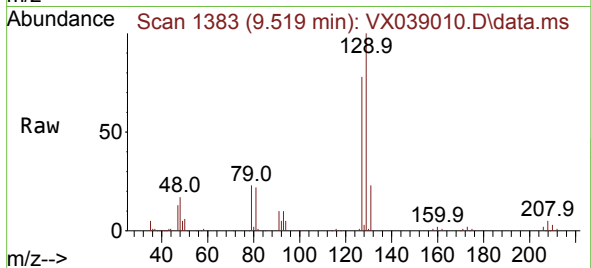




#60  
Dibromochloromethane  
Concen: 56.568 ug/l  
RT: 9.519 min Scan# 1383  
Delta R.T. 0.000 min  
Lab File: VX039010.D  
Acq: 22 Nov 2023 18:04

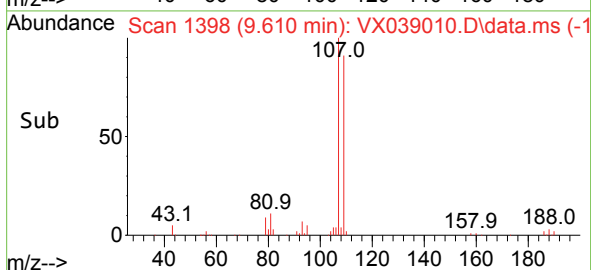
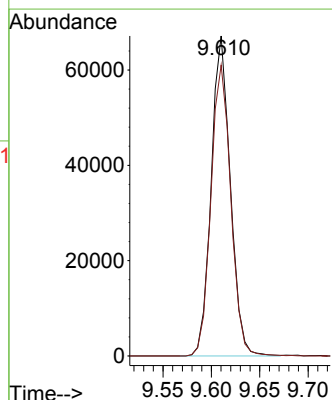
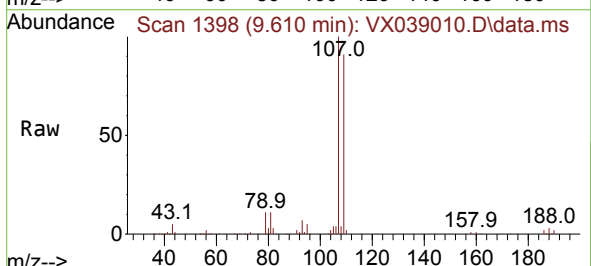
Instrument :  
MSVOA\_X  
ClientSampleId :

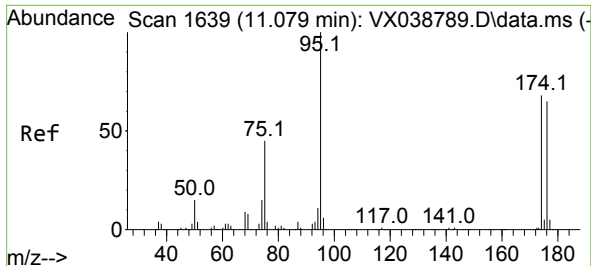
Tgt Ion:129 Resp: 89511  
Ion Ratio Lower Upper  
129 100  
127 78.2 38.8 116.4



#61  
1,2-Dibromoethane  
Concen: 56.624 ug/l  
RT: 9.610 min Scan# 1398  
Delta R.T. 0.000 min  
Lab File: VX039010.D  
Acq: 22 Nov 2023 18:04

Tgt Ion:107 Resp: 92467  
Ion Ratio Lower Upper  
107 100  
109 94.3 75.2 112.8

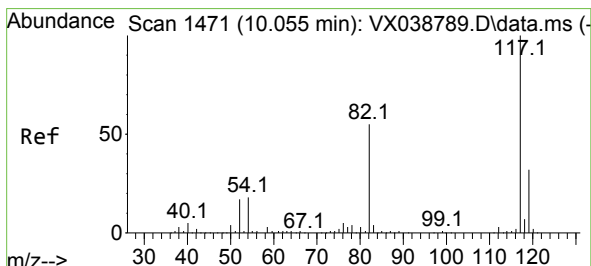
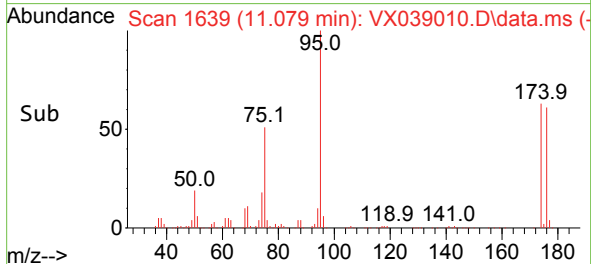
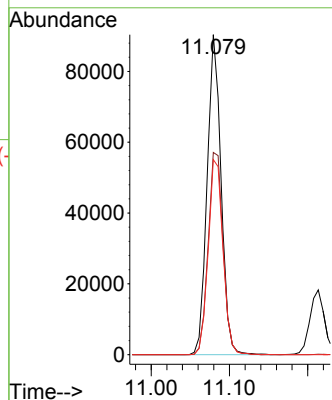
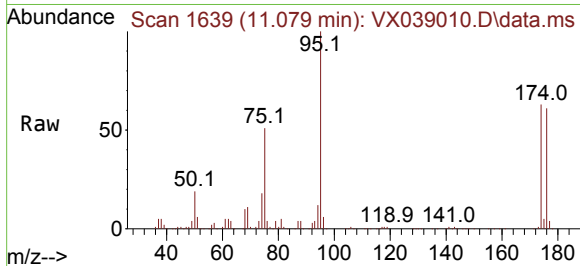




#62  
4-Bromofluorobenzene  
Concen: 51.283 ug/l  
RT: 11.079 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX039010.D  
Acq: 22 Nov 2023 18:04

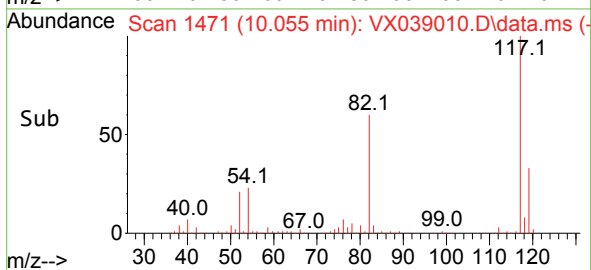
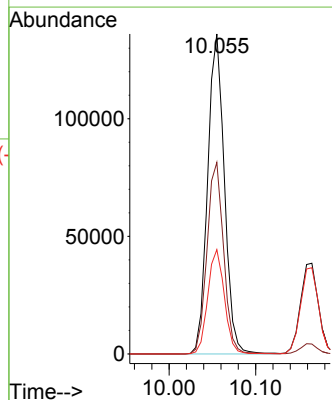
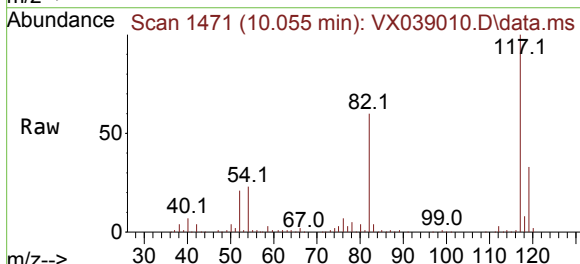
Instrument :  
MSVOA\_X  
ClientSampleId :

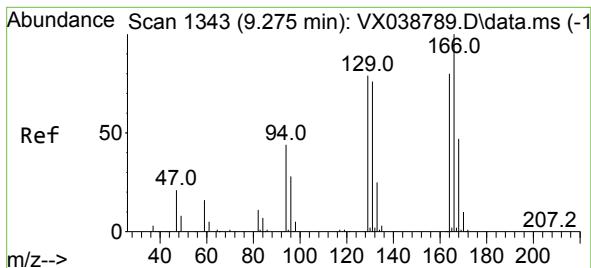
Tgt Ion: 95 Resp: 111363  
Ion Ratio Lower Upper  
95 100  
174 67.8 0.0 135.6  
176 64.7 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX039010.D  
Acq: 22 Nov 2023 18:04

Tgt Ion: 117 Resp: 182258  
Ion Ratio Lower Upper  
117 100  
82 59.8 46.2 69.4  
119 32.6 25.5 38.3





#64

Tetrachloroethene

Concen: 56.414 ug/l

RT: 9.275 min Scan# 11

Delta R.T. 0.000 min

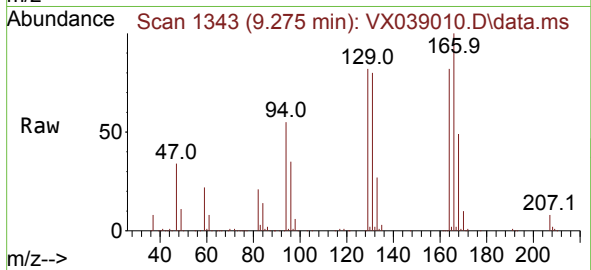
Lab File: VX039010.D

Acq: 22 Nov 2023 18:04

Instrument :

MSVOA\_X

ClientSampleId :



Tgt Ion:164 Resp: 63910

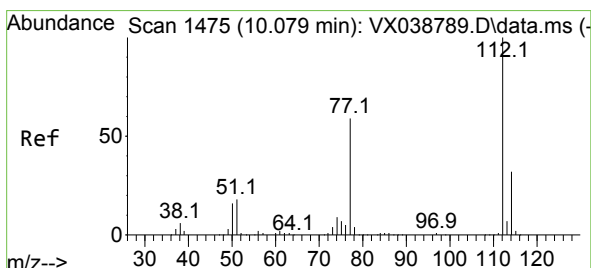
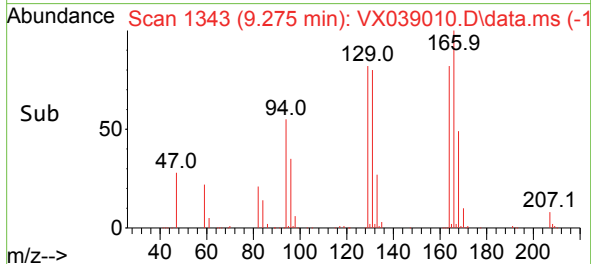
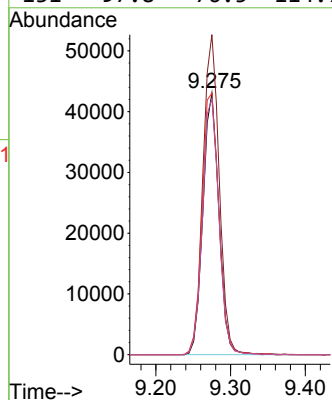
Ion Ratio Lower Upper

164 100

166 122.4 102.7 154.1

129 100.0 80.4 120.6

131 97.8 76.5 114.7



#65

Chlorobenzene

Concen: 55.130 ug/l

RT: 10.080 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX039010.D

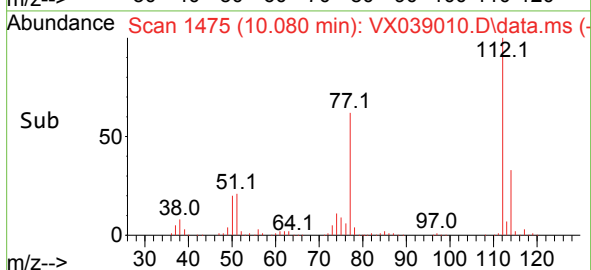
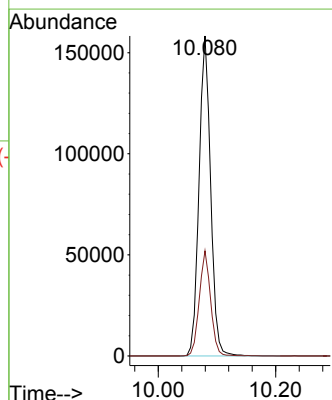
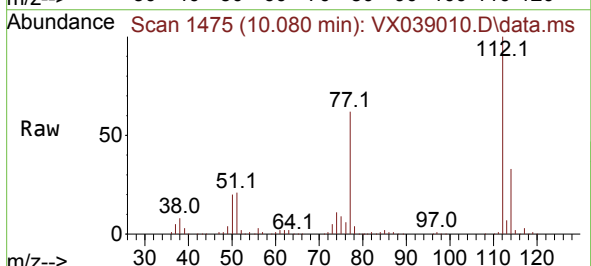
Acq: 22 Nov 2023 18:04

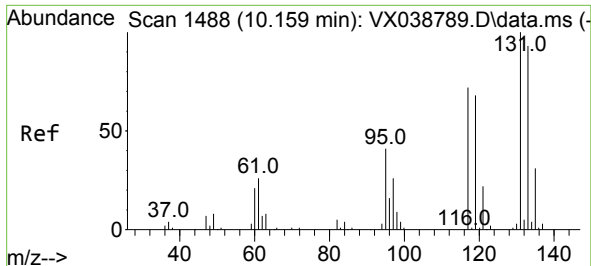
Tgt Ion:112 Resp: 216441

Ion Ratio Lower Upper

112 100

114 32.8 25.7 38.5

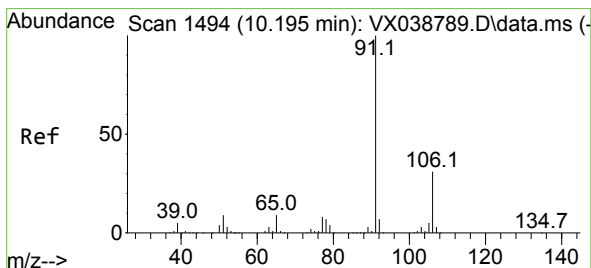
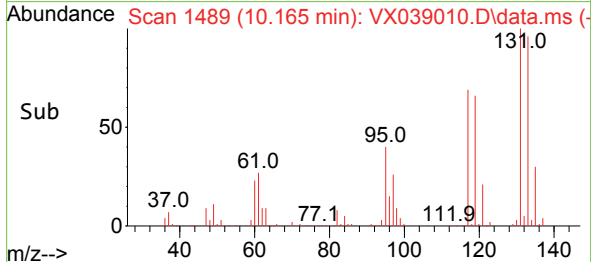
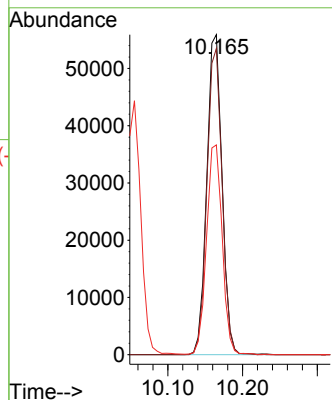
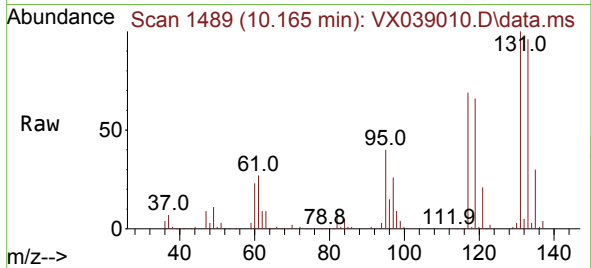




#66  
 1,1,1,2-Tetrachloroethane  
 Concen: 56.072 ug/l  
 RT: 10.165 min Scan# 1489  
 Delta R.T. 0.006 min  
 Lab File: VX039010.D  
 Acq: 22 Nov 2023 18:04

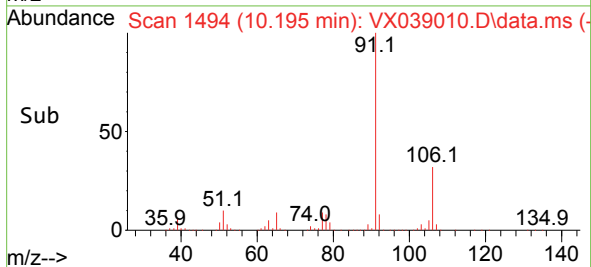
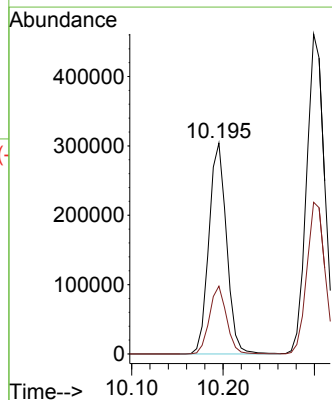
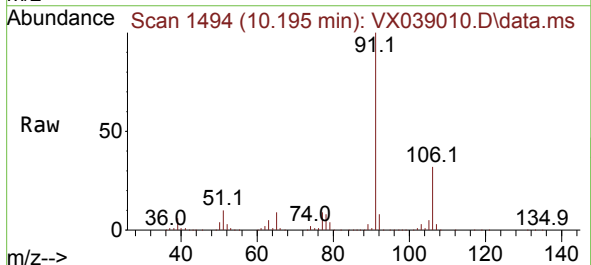
Instrument :  
 MSVOA\_X  
 ClientSampleId :

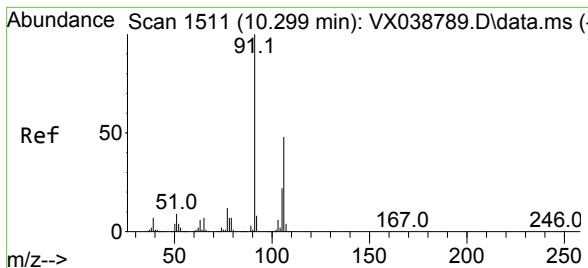
Tgt Ion:131 Resp: 79189  
 Ion Ratio Lower Upper  
 131 100  
 133 94.9 47.1 141.4  
 119 67.3 32.2 96.6



#67  
 Ethyl Benzene  
 Concen: 56.501 ug/l  
 RT: 10.195 min Scan# 1494  
 Delta R.T. 0.000 min  
 Lab File: VX039010.D  
 Acq: 22 Nov 2023 18:04

Tgt Ion: 91 Resp: 407554  
 Ion Ratio Lower Upper  
 91 100  
 106 32.2 24.9 37.3

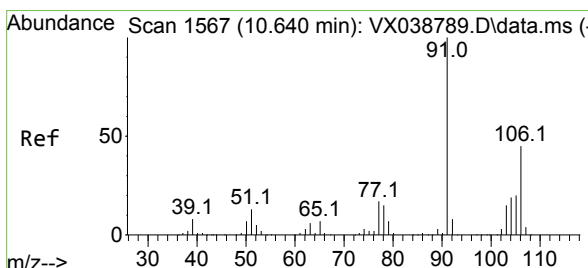
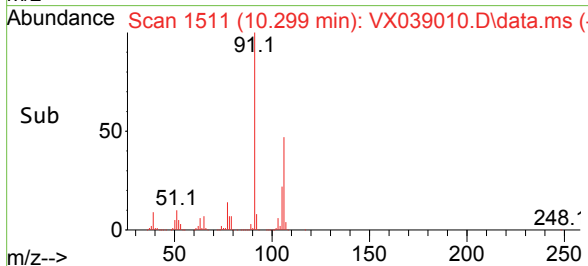
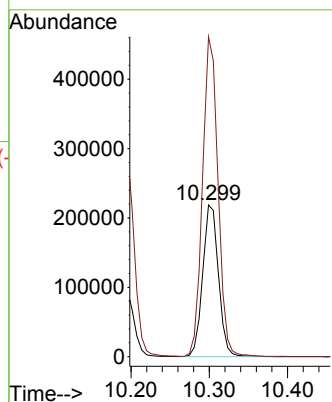
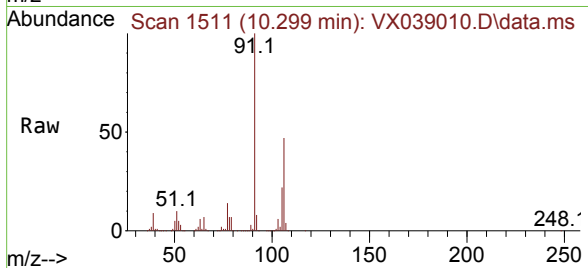




#68  
m/p-Xylenes  
Concen: 111.799 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. 0.000 min  
Lab File: VX039010.D  
Acq: 22 Nov 2023 18:04

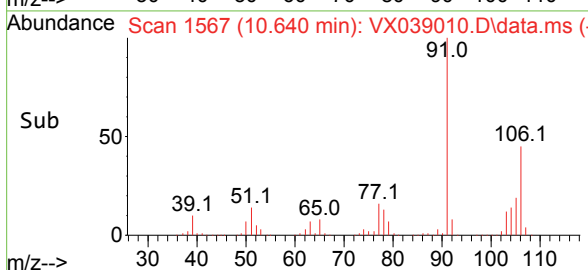
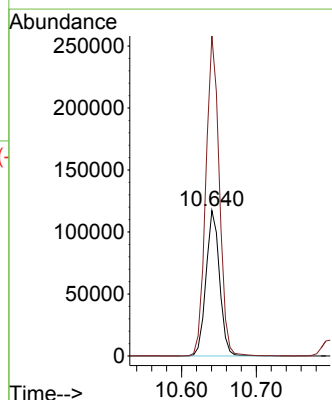
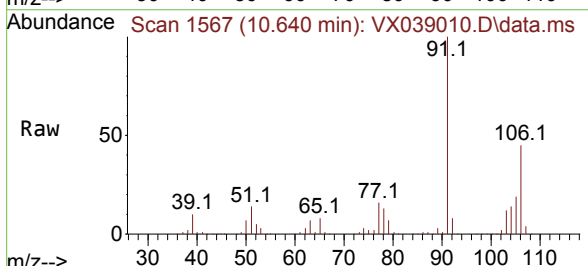
Instrument :  
MSVOA\_X  
ClientSampleId :

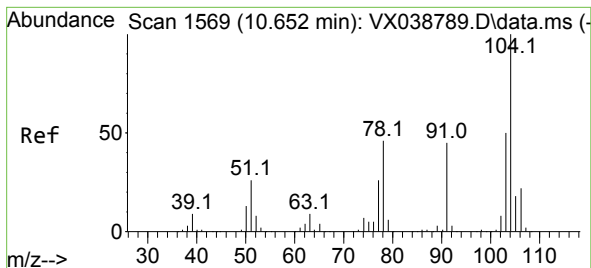
Tgt Ion:106 Resp: 305049  
Ion Ratio Lower Upper  
106 100  
91 208.1 165.5 248.3



#69  
o-Xylene  
Concen: 54.412 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. 0.000 min  
Lab File: VX039010.D  
Acq: 22 Nov 2023 18:04

Tgt Ion:106 Resp: 146906  
Ion Ratio Lower Upper  
106 100  
91 219.9 108.9 326.8





#70

Styrene

Concen: 47.861 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX039010.D

Acq: 22 Nov 2023 18:04

Instrument :

MSVOA\_X

ClientSampleId :

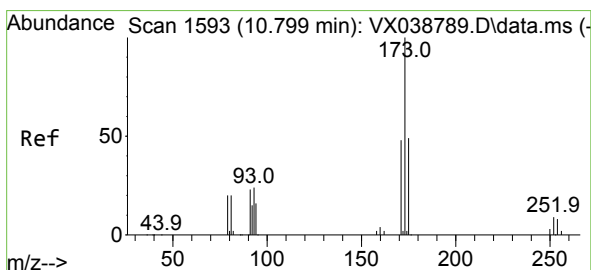
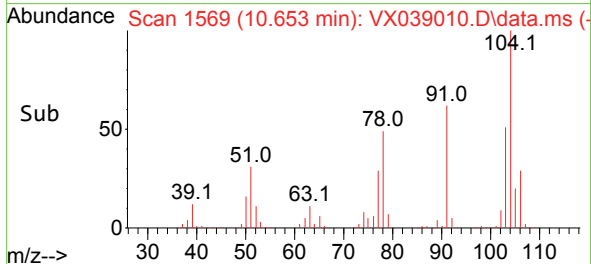
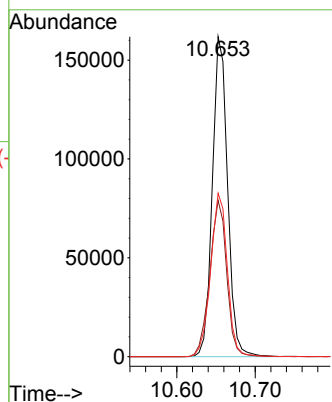
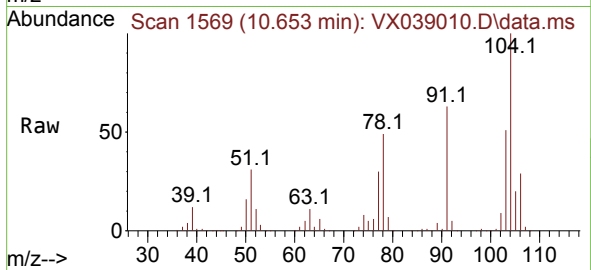
Tgt Ion:104 Resp: 218234

Ion Ratio Lower Upper

104 100

78 54.3 43.6 65.4

103 56.1 43.6 65.4



#71

Bromoform

Concen: 54.358 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX039010.D

Acq: 22 Nov 2023 18:04

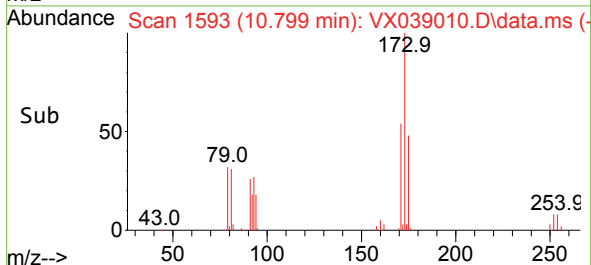
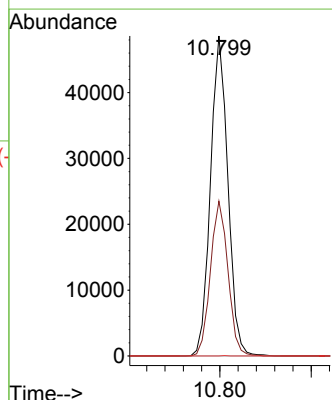
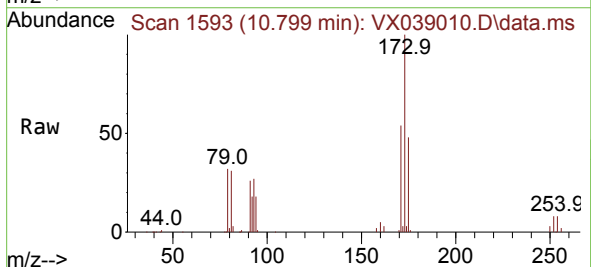
Tgt Ion:173 Resp: 63997

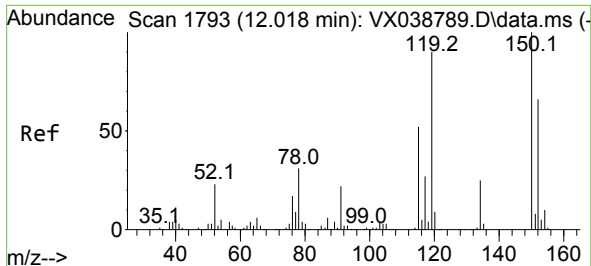
Ion Ratio Lower Upper

173 100

175 48.7 24.1 72.4

254 0.0 0.0 0.0#

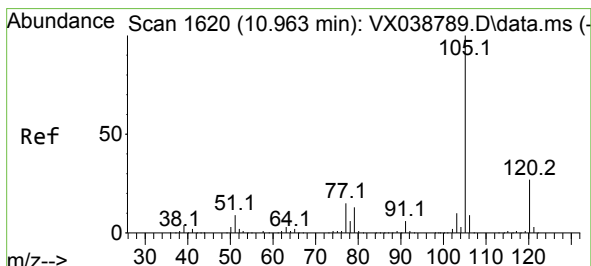
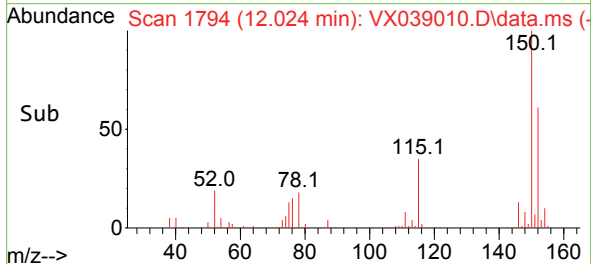
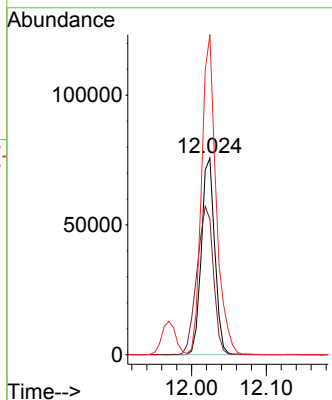
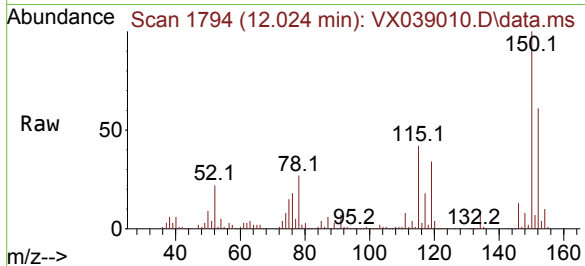




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 1793  
 Delta R.T. 0.006 min  
 Lab File: VX039010.D  
 Acq: 22 Nov 2023 18:04

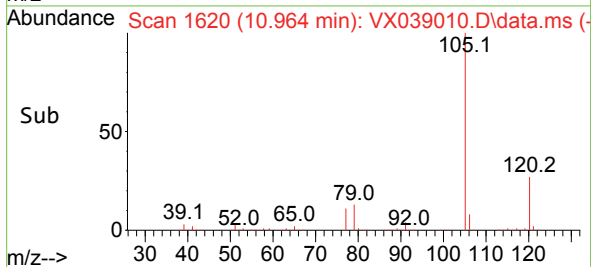
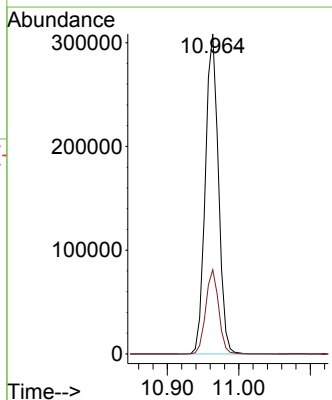
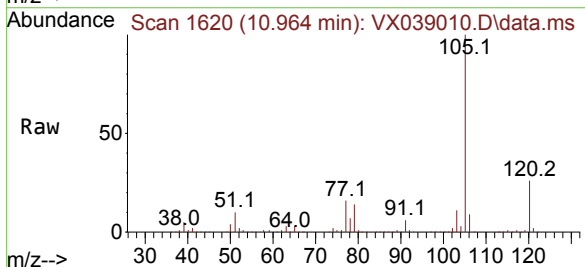
Instrument :  
 MSVOA\_X  
 ClientSampleId :

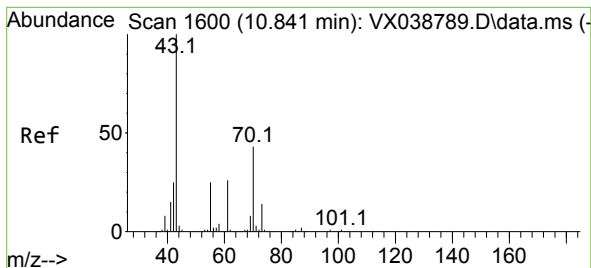
Tgt Ion:152 Resp: 94230  
 Ion Ratio Lower Upper  
 152 100  
 115 92.9 43.3 129.9  
 150 176.9 0.0 345.0



#73  
 Isopropylbenzene  
 Concen: 53.411 ug/l  
 RT: 10.964 min Scan# 1620  
 Delta R.T. 0.000 min  
 Lab File: VX039010.D  
 Acq: 22 Nov 2023 18:04

Tgt Ion:105 Resp: 392134  
 Ion Ratio Lower Upper  
 105 100  
 120 25.9 12.9 38.6





#74

N-amy1 acetate

Concen: 51.178 ug/l

RT: 10.842 min Scan# 1

Delta R.T. 0.000 min

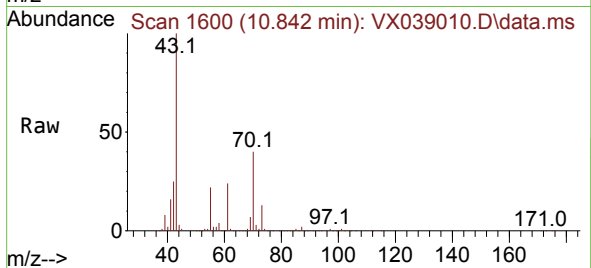
Lab File: VX039010.D

Acq: 22 Nov 2023 18:04

Instrument :

MSVOA\_X

ClientSampleId :



Tgt Ion: 43 Resp: 198622

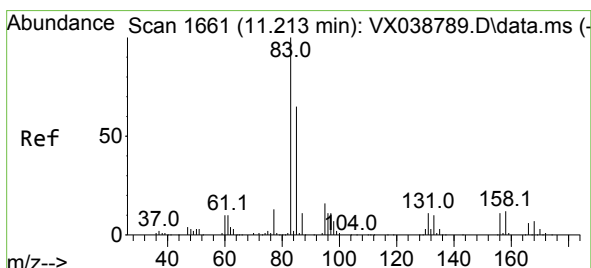
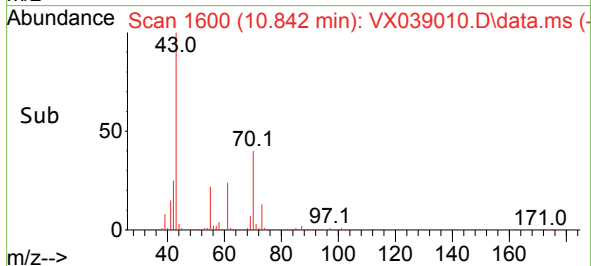
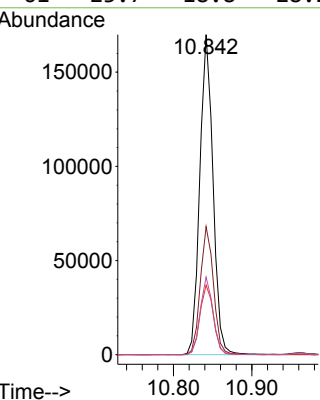
Ion Ratio Lower Upper

43 100

70 40.1 32.9 49.3

55 22.3 19.3 28.9

61 23.7 18.8 28.2



#75

1,1,2,2-Tetrachloroethane

Concen: 52.238 ug/l

RT: 11.214 min Scan# 1661

Delta R.T. 0.000 min

Lab File: VX039010.D

Acq: 22 Nov 2023 18:04

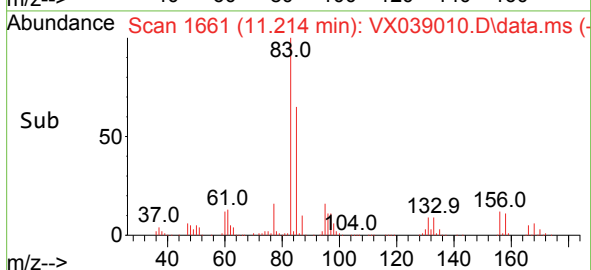
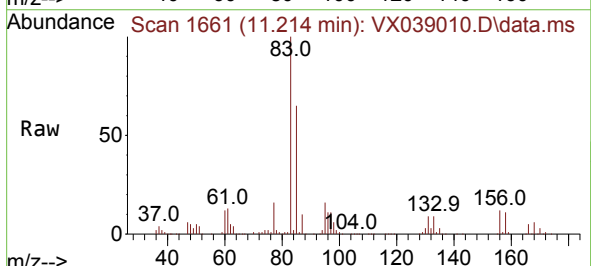
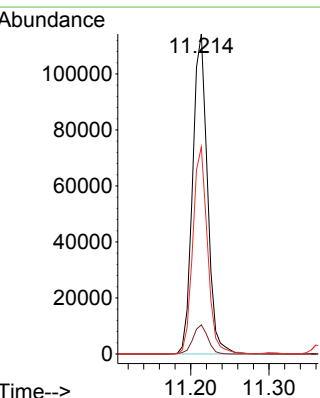
Tgt Ion: 83 Resp: 149715

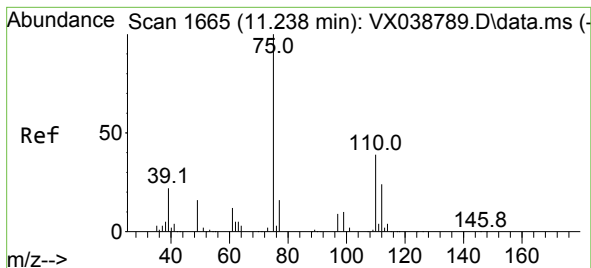
Ion Ratio Lower Upper

83 100

131 9.1 5.3 15.8

85 64.2 32.0 96.2





#76

1,2,3-Trichloropropane

Concen: 73.154 ug/l

RT: 11.238 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX039010.D

Acq: 22 Nov 2023 18:04

Instrument :

MSVOA\_X

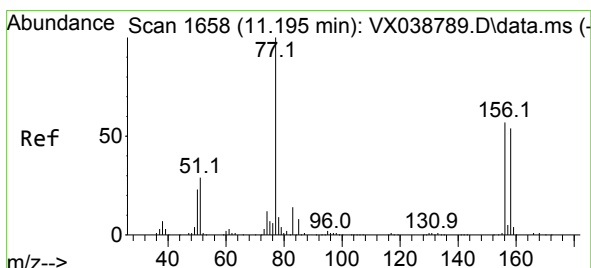
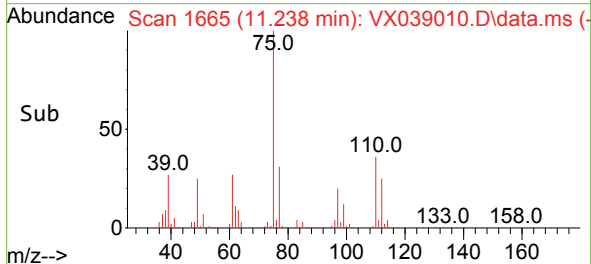
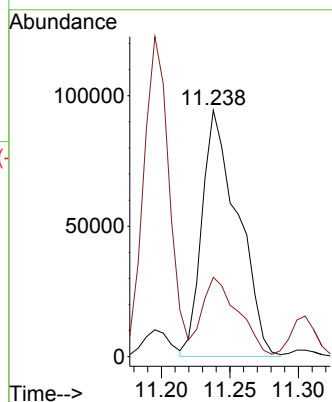
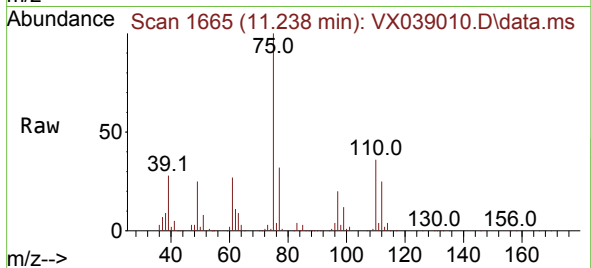
ClientSampleId :

Tgt Ion: 75 Resp: 171987

Ion Ratio Lower Upper

75 100

77 32.5 19.1 57.5



#77

Bromobenzene

Concen: 54.479 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VX039010.D

Acq: 22 Nov 2023 18:04

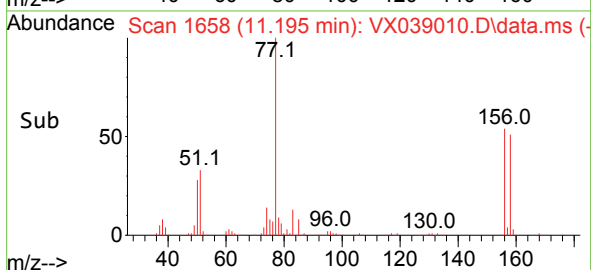
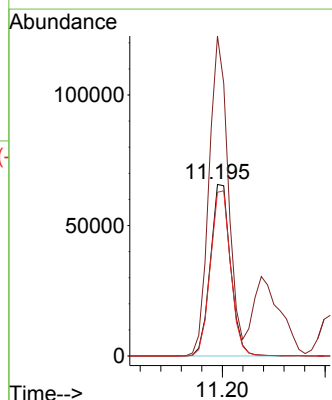
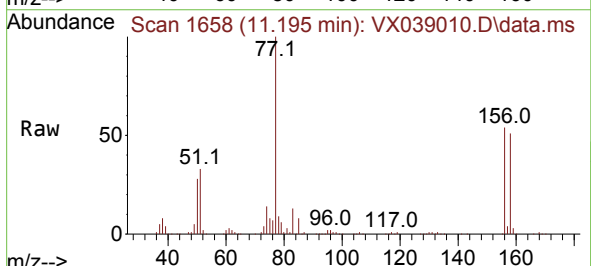
Tgt Ion:156 Resp: 89874

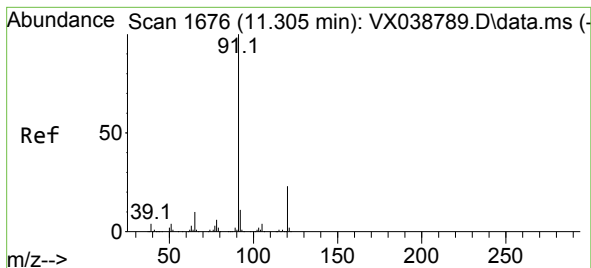
Ion Ratio Lower Upper

156 100

77 177.5 88.4 265.3

158 96.6 48.0 144.0





#78

n-propylbenzene

Concen: 52.507 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX039010.D

Acq: 22 Nov 2023 18:04

Instrument :

MSVOA\_X

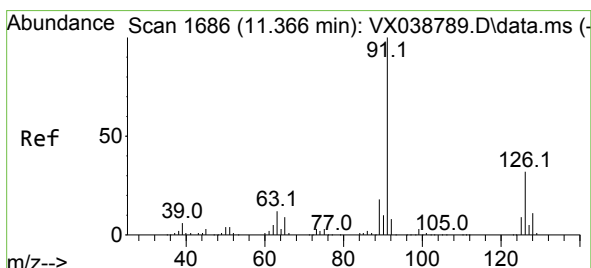
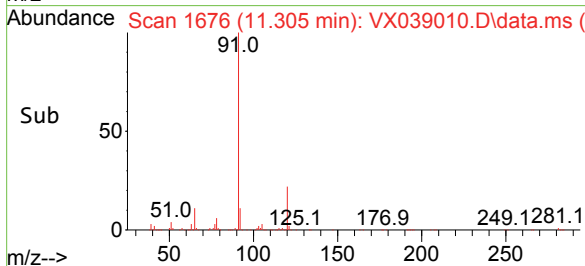
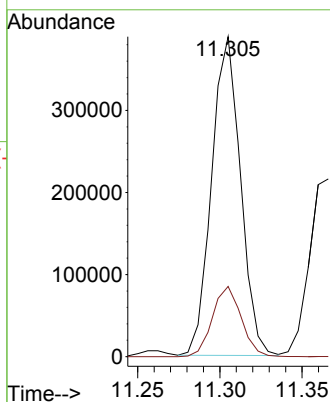
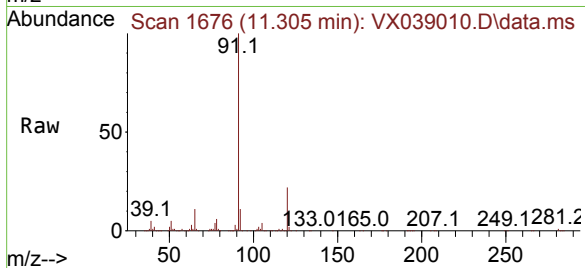
ClientSampleId :

Tgt Ion: 91 Resp: 474510

Ion Ratio Lower Upper

91 100

120 22.0 11.5 34.4



#79

2-Chlorotoluene

Concen: 51.847 ug/l

RT: 11.366 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VX039010.D

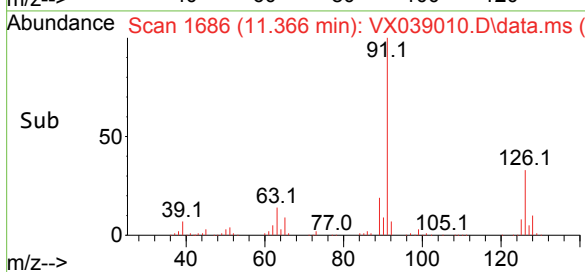
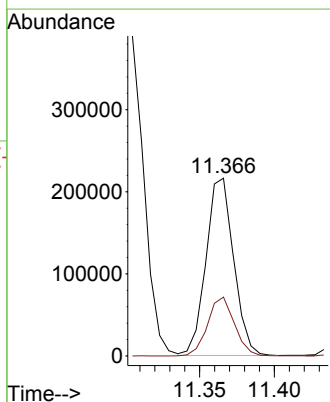
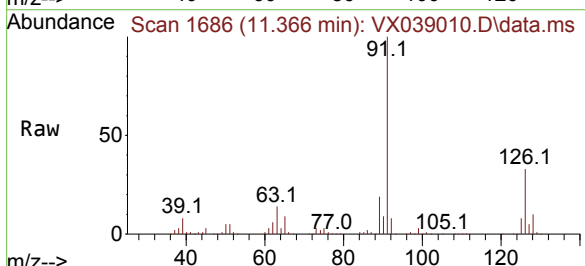
Acq: 22 Nov 2023 18:04

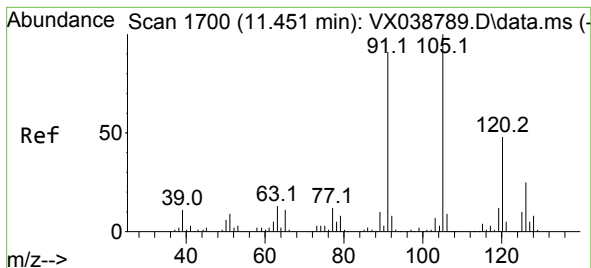
Tgt Ion: 91 Resp: 278062

Ion Ratio Lower Upper

91 100

126 32.3 16.3 48.8





#80

1,3,5-Trimethylbenzene

Concen: 54.522 ug/l

RT: 11.451 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX039010.D

Acq: 22 Nov 2023 18:04

Instrument :

MSVOA\_X

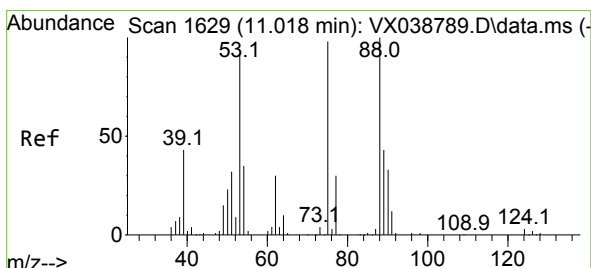
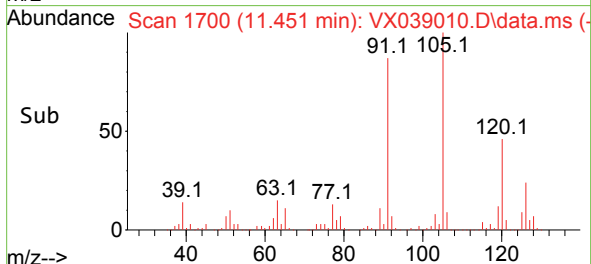
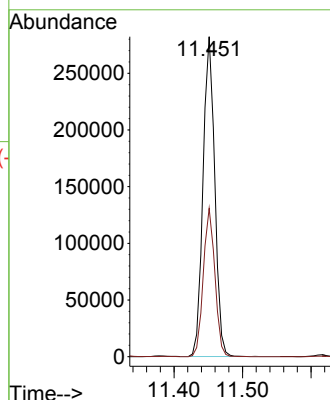
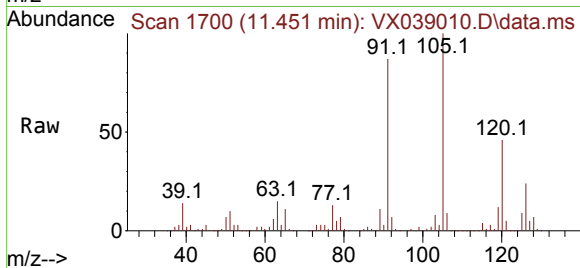
ClientSampleId :

Tgt Ion:105 Resp: 336572

Ion Ratio Lower Upper

105 100

120 45.9 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 45.178 ug/l

RT: 11.018 min Scan# 1629

Delta R.T. 0.000 min

Lab File: VX039010.D

Acq: 22 Nov 2023 18:04

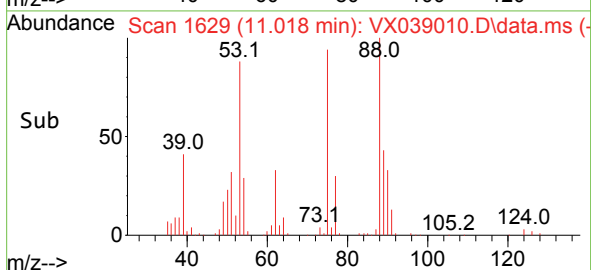
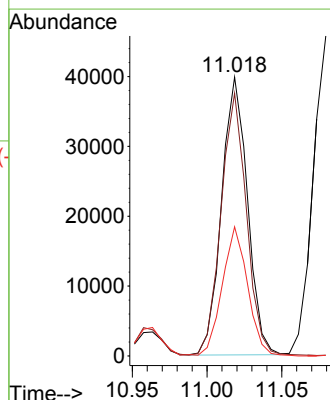
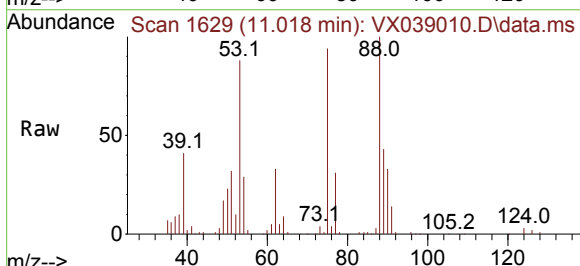
Tgt Ion: 75 Resp: 47885

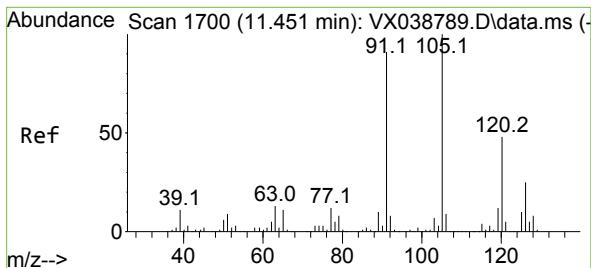
Ion Ratio Lower Upper

75 100

53 92.7 90.5 135.7

89 45.5 36.9 55.3





#82

4-Chlorotoluene

Concen: 52.769 ug/l

RT: 11.457 min Scan# 1700

Delta R.T. 0.006 min

Lab File: VX039010.D

Acq: 22 Nov 2023 18:04

Instrument :

MSVOA\_X

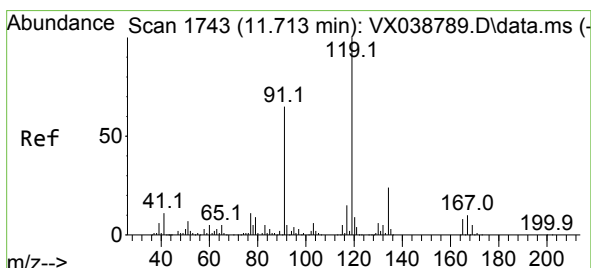
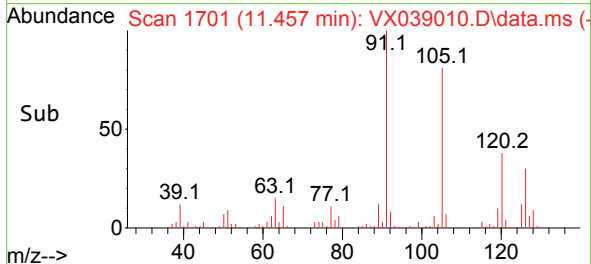
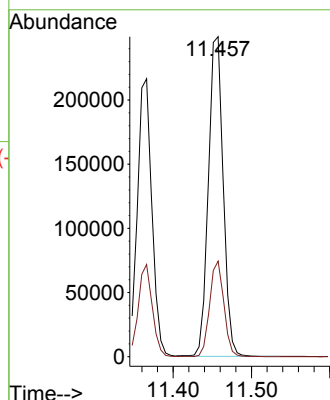
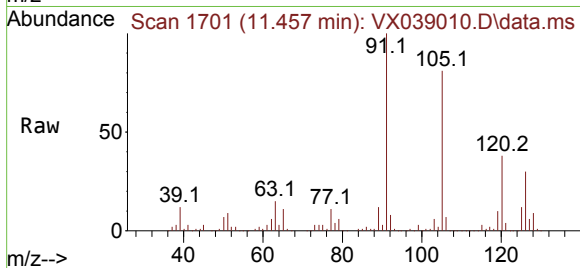
ClientSampleId :

Tgt Ion: 91 Resp: 326319

Ion Ratio Lower Upper

91 100

126 28.7 14.2 42.6



#83

tert-Butylbenzene

Concen: 53.981 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX039010.D

Acq: 22 Nov 2023 18:04

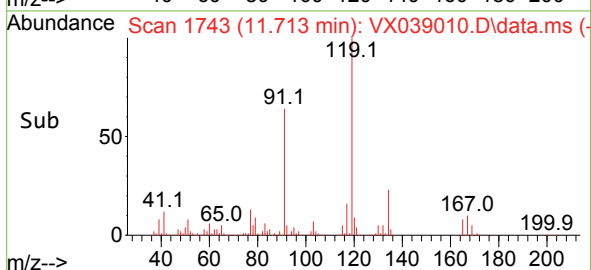
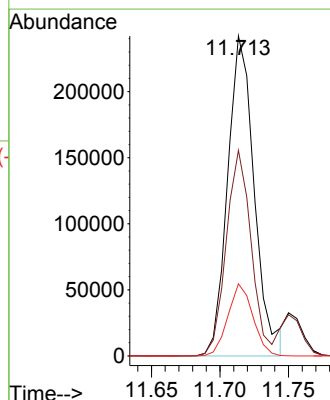
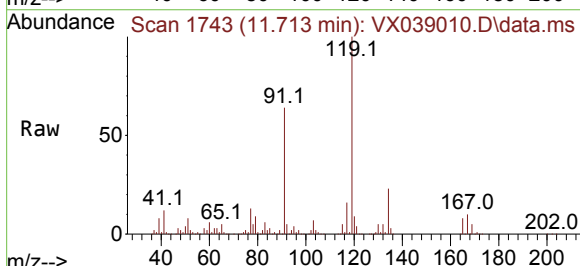
Tgt Ion: 119 Resp: 328191

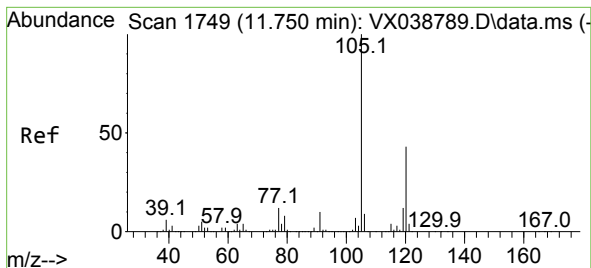
Ion Ratio Lower Upper

119 100

91 60.1 31.2 93.6

134 21.1 11.7 35.0





#84

1,2,4-Trimethylbenzene

Concen: 54.529 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX039010.D

Acq: 22 Nov 2023 18:04

Instrument :

MSVOA\_X

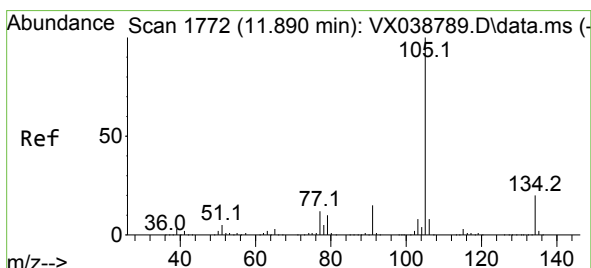
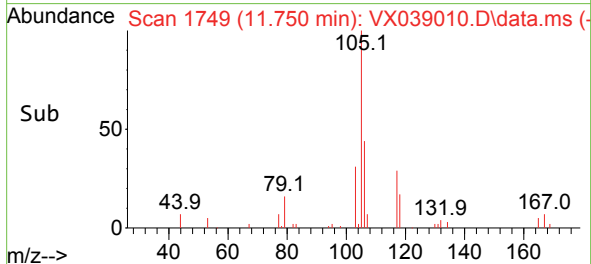
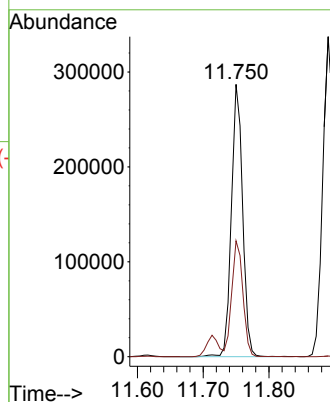
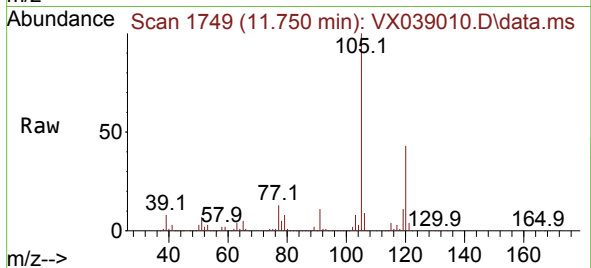
ClientSampleId :

Tgt Ion:105 Resp: 340708

Ion Ratio Lower Upper

105 100

120 42.2 21.2 63.6



#85

sec-Butylbenzene

Concen: 50.942 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX039010.D

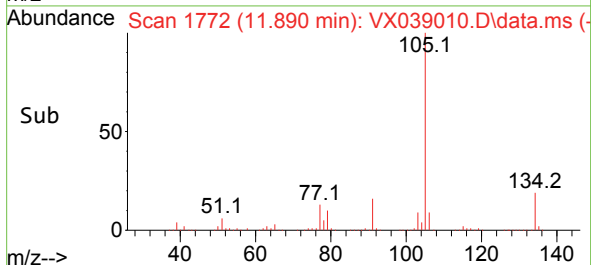
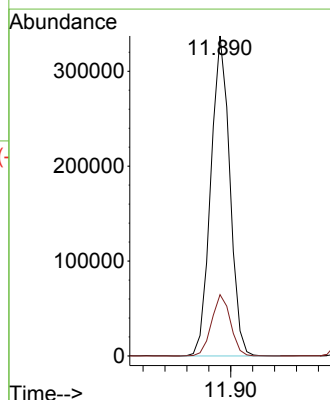
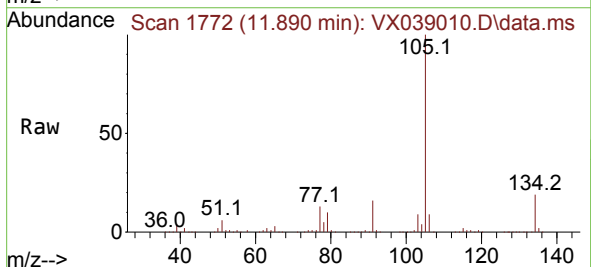
Acq: 22 Nov 2023 18:04

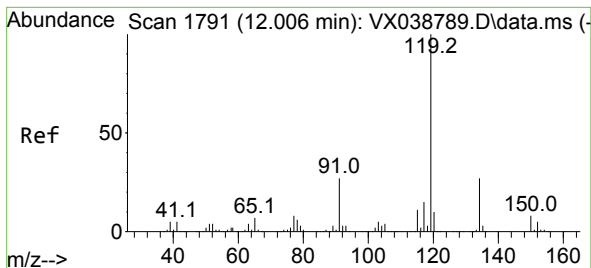
Tgt Ion:105 Resp: 405113

Ion Ratio Lower Upper

105 100

134 19.1 9.8 29.4





#86

p-Isopropyltoluene

Concen: 53.446 ug/l

RT: 12.006 min Scan# 119

Delta R.T. 0.000 min

Lab File: VX039010.D

Acq: 22 Nov 2023 18:04

Instrument :

MSVOA\_X

ClientSampleId :

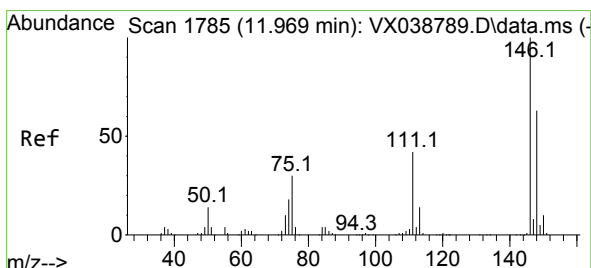
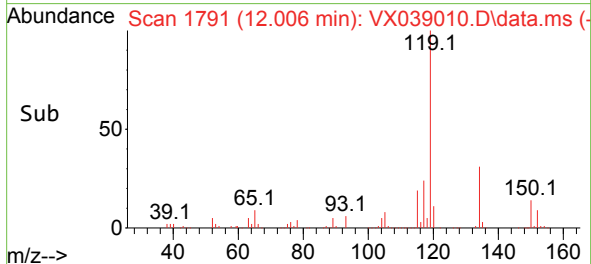
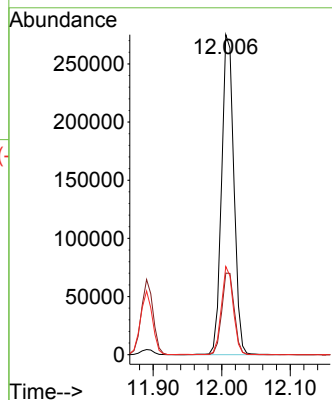
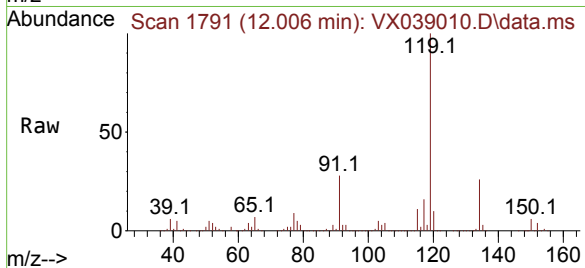
Tgt Ion:119 Resp: 341190

Ion Ratio Lower Upper

119 100

134 25.9 12.8 38.3

91 26.5 13.1 39.3



#87

1,3-Dichlorobenzene

Concen: 52.636 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX039010.D

Acq: 22 Nov 2023 18:04

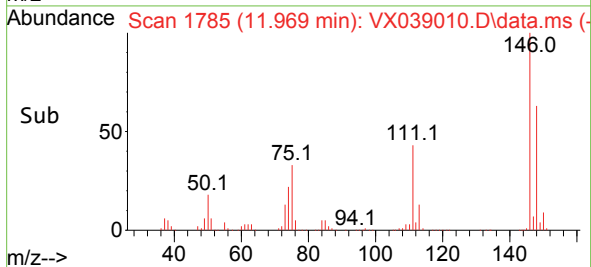
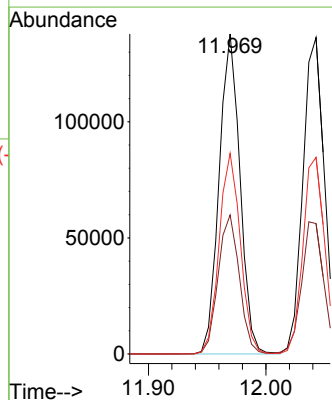
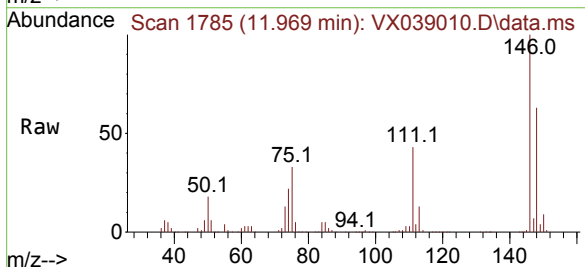
Tgt Ion:146 Resp: 170040

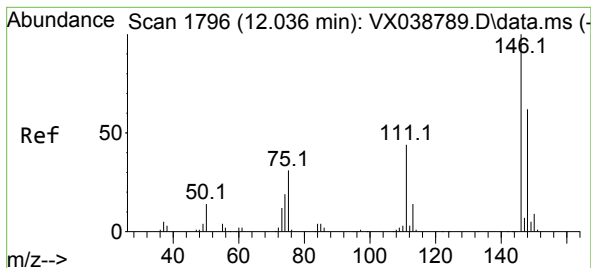
Ion Ratio Lower Upper

146 100

111 44.5 22.1 66.1

148 63.8 31.8 95.3





#88

1,4-Dichlorobenzene

Concen: 52.577 ug/l

RT: 12.043 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX039010.D

Acq: 22 Nov 2023 18:04

Instrument :

MSVOA\_X

ClientSampleId :

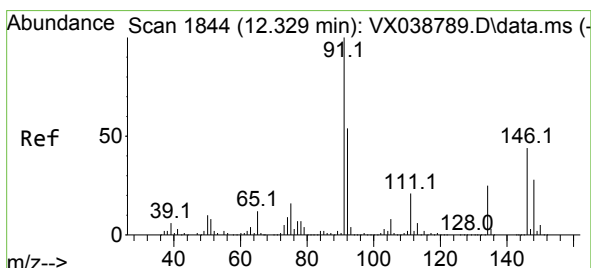
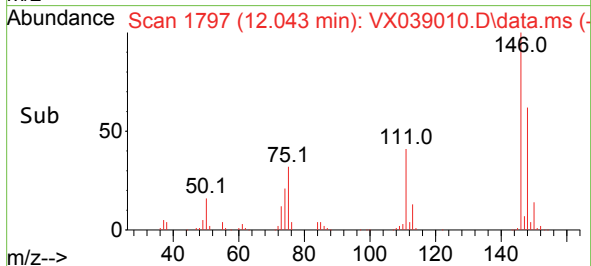
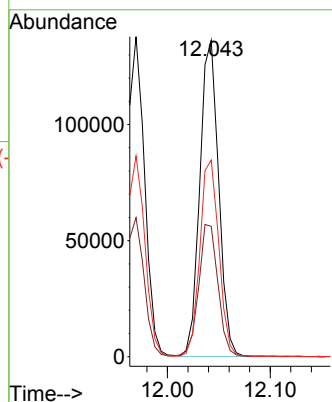
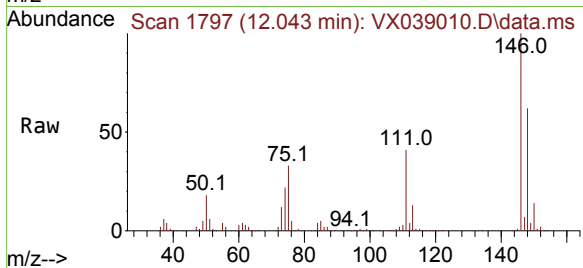
Tgt Ion:146 Resp: 173838

Ion Ratio Lower Upper

146 100

111 42.8 21.3 63.7

148 62.9 31.8 95.4



#89

n-Butylbenzene

Concen: 51.778 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX039010.D

Acq: 22 Nov 2023 18:04

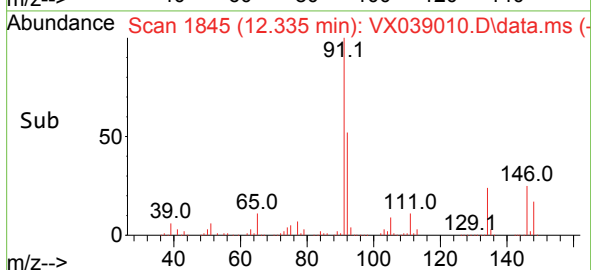
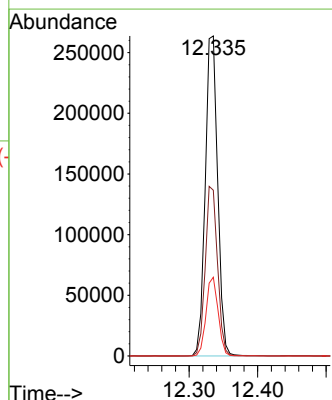
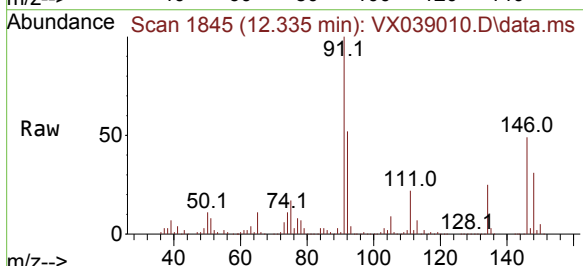
Tgt Ion: 91 Resp: 333496

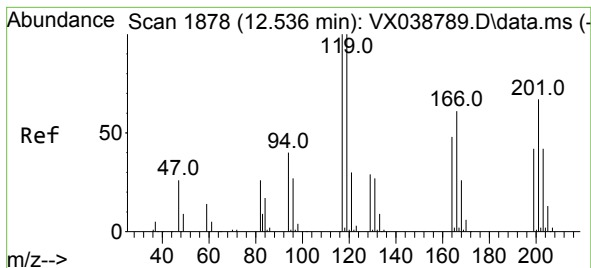
Ion Ratio Lower Upper

91 100

92 52.3 27.4 82.0

134 24.0 12.6 37.8





#90

Hexachloroethane

Concen: 50.703 ug/l

RT: 12.536 min Scan# 117

Delta R.T. 0.000 min

Lab File: VX039010.D

Acq: 22 Nov 2023 18:04

Instrument :

MSVOA\_X

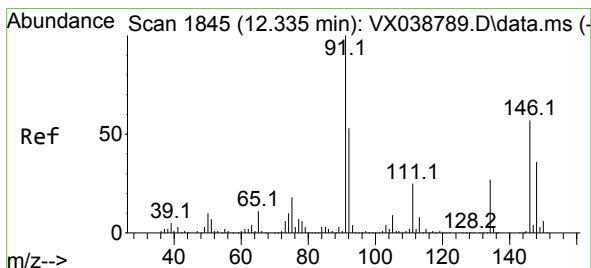
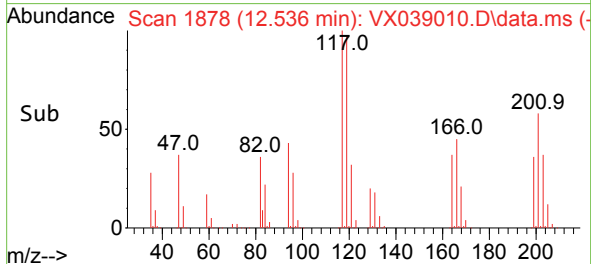
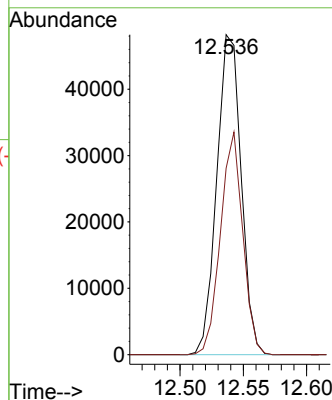
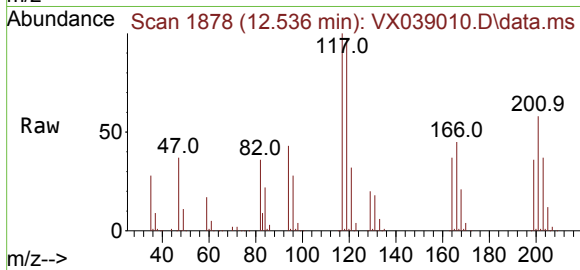
ClientSampleId :

Tgt Ion:117 Resp: 64638

Ion Ratio Lower Upper

117 100

201 63.5 32.9 98.6



#91

1,2-Dichlorobenzene

Concen: 53.802 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX039010.D

Acq: 22 Nov 2023 18:04

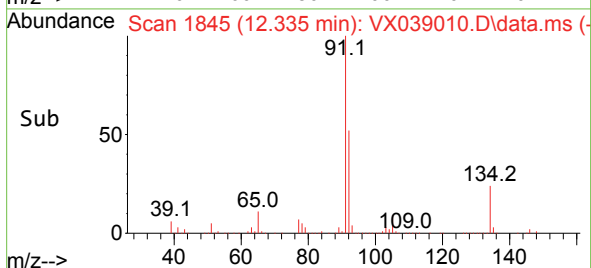
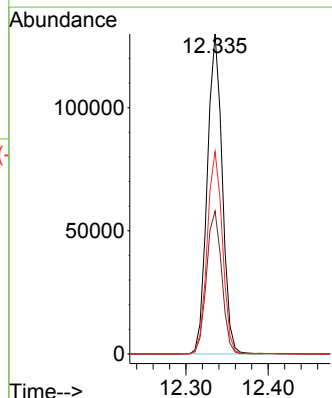
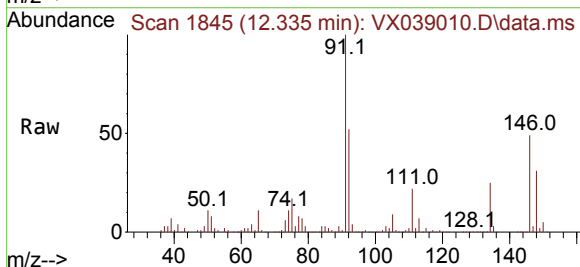
Tgt Ion:146 Resp: 164849

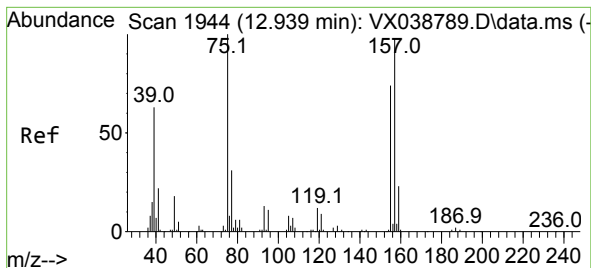
Ion Ratio Lower Upper

146 100

111 45.4 22.4 67.0

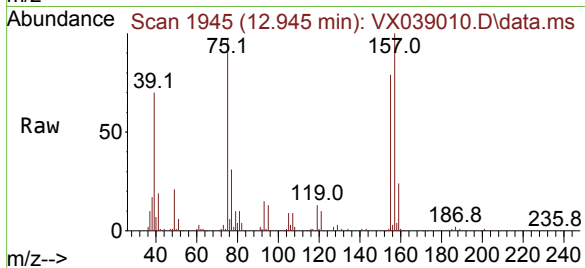
148 63.8 31.6 95.0



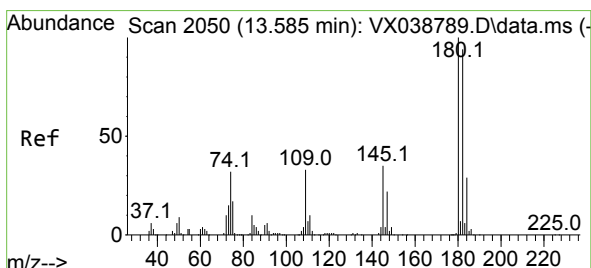
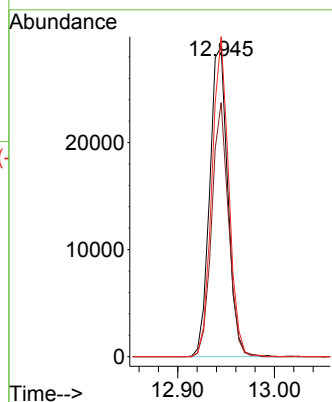
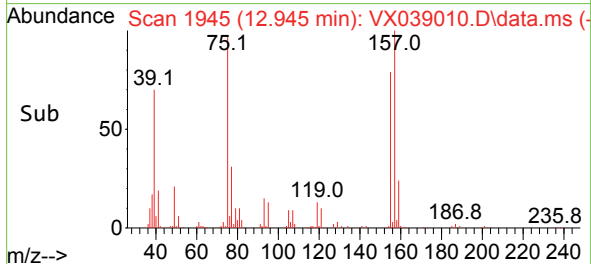


#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 53.642 ug/l  
 RT: 12.945 min Scan# 1945  
 Delta R.T. 0.006 min  
 Lab File: VX039010.D  
 Acq: 22 Nov 2023 18:04

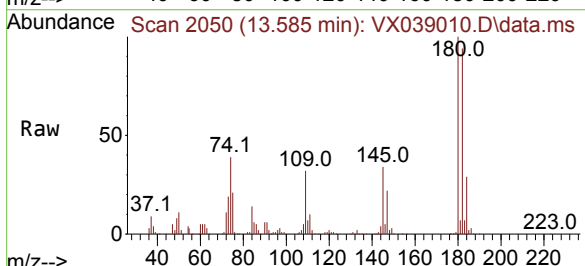
Instrument :  
 MSVOA\_X  
 ClientSampleId :



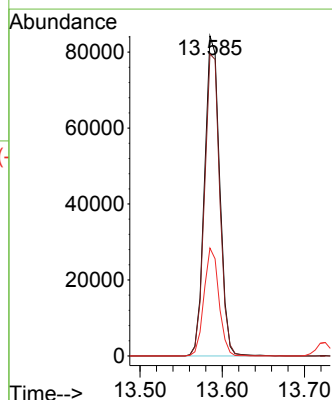
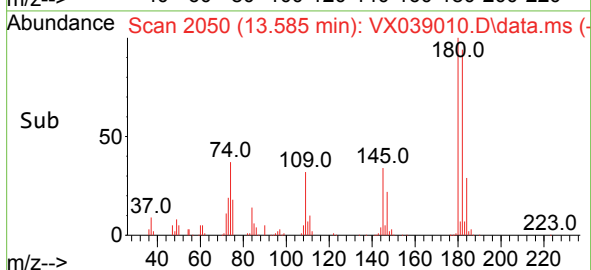
Tgt Ion: 75 Resp: 37666  
 Ion Ratio Lower Upper  
 75 100  
 155 76.1 36.1 108.5  
 157 96.1 44.9 134.7

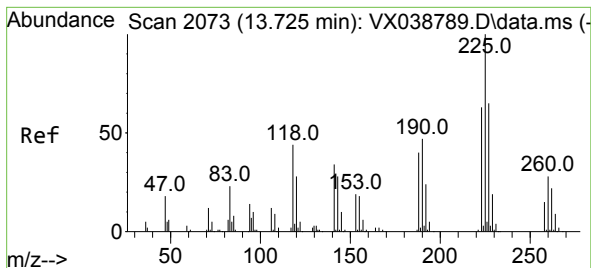


#93  
 1,2,4-Trichlorobenzene  
 Concen: 52.444 ug/l  
 RT: 13.585 min Scan# 2050  
 Delta R.T. 0.000 min  
 Lab File: VX039010.D  
 Acq: 22 Nov 2023 18:04



Tgt Ion: 180 Resp: 107681  
 Ion Ratio Lower Upper  
 180 100  
 182 94.7 48.3 144.8  
 145 33.2 18.0 54.0





#94

Hexachlorobutadiene

Concen: 50.555 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX039010.D

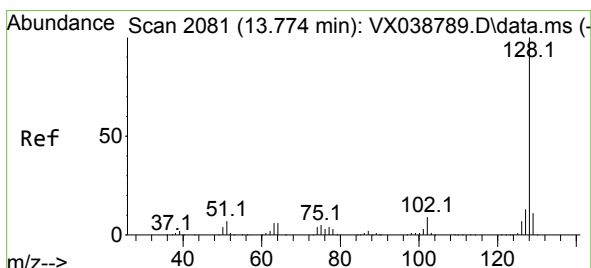
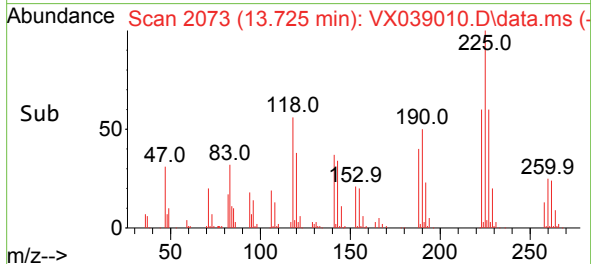
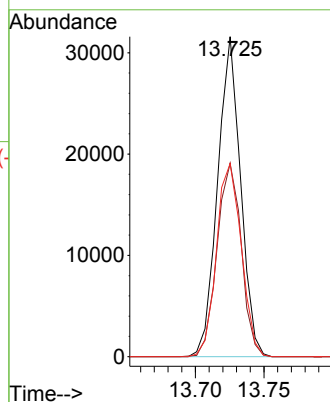
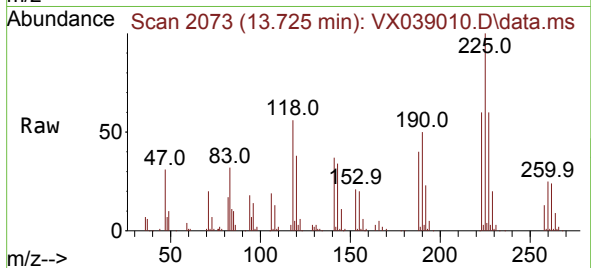
Acq: 22 Nov 2023 18:04

Instrument :

MSVOA\_X

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 36759 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 63.7  | 31.1  | 93.2  |
| 227       | 65.2  | 32.5  | 97.5  |



#95

Naphthalene

Concen: 52.125 ug/l

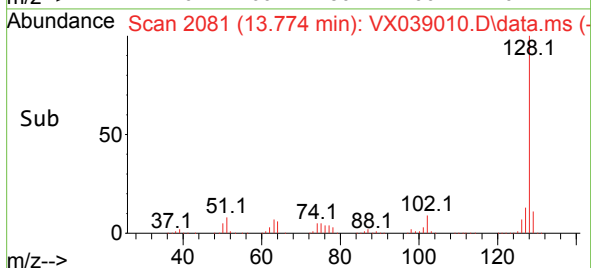
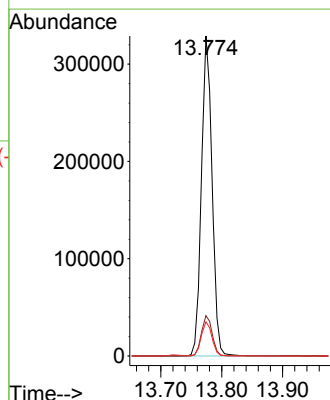
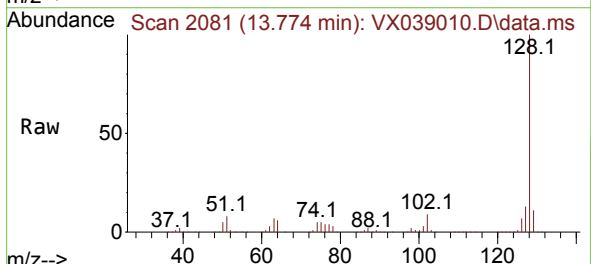
RT: 13.774 min Scan# 2081

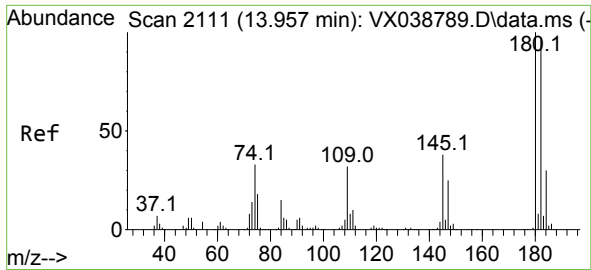
Delta R.T. 0.000 min

Lab File: VX039010.D

Acq: 22 Nov 2023 18:04

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 398607 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.8  | 10.3  | 15.5   |
| 129       | 10.7  | 8.8   | 13.2   |





#96

1,2,3-Trichlorobenzene

Concen: 53.411 ug/l

RT: 13.963 min Scan# 21

Delta R.T. 0.006 min

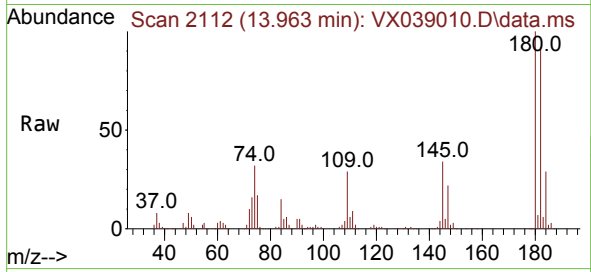
Lab File: VX039010.D

Acq: 22 Nov 2023 18:04

Instrument :

MSVOA\_X

ClientSampleId :



Tgt Ion:180 Resp: 103958

Ion Ratio Lower Upper

180 100

182 94.7 46.9 140.6

145 35.8 17.8 53.5

