

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX073123\  
 Data File : VX036728.D  
 Acq On : 31 Jul 2023 18:23  
 Operator : JC/MD  
 Sample : 03808-06DL 20X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 1713DL

Quant Time: Aug 01 04:40:55 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072123W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 21 12:14:12 2023  
 Response via : Initial Calibration

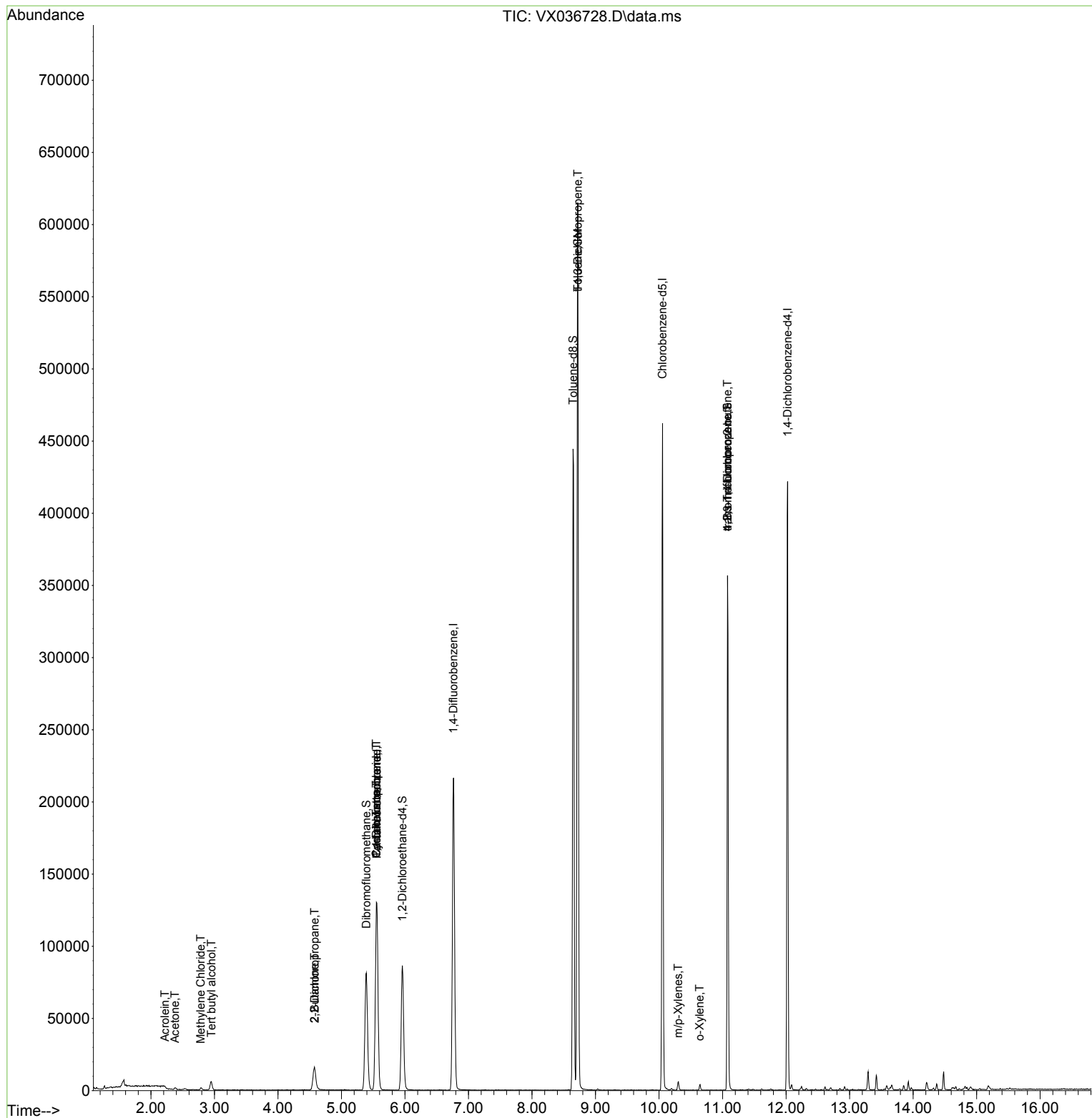
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) Pentafluorobenzene         | 5.556          | 168  | 122705     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763          | 114  | 222208     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 201601     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 87452      | 50.000  | ug/l   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958          | 65   | 82771      | 45.589  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = | 91.180% |        |          |
| 35) Dibromofluoromethane      | 5.391          | 113  | 70830      | 46.375  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 92.740% |        |          |
| 50) Toluene-d8                | 8.646          | 98   | 266352     | 49.176  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = | 98.360% |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 95557      | 46.762  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 93.520% |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         |        | Qvalue   |
| 11) Tert butyl alcohol        | 2.952          | 59   | 3486       | 8.110   | ug/l # | 83       |
| 13) Acrolein                  | 2.221          | 56   | 180        | 0.734   | ug/l # | 14       |
| 16) Acetone                   | 2.379          | 43   | 1665       | 2.210   | ug/l   | 92       |
| 20) Methylene Chloride        | 2.782          | 84   | 769        | 0.459   | ug/l # | 71       |
| 25) 2-Butanone                | 4.574          | 43   | 1953       | 1.598   | ug/l # | 87       |
| 26) 2,2-Dichloropropane       | 4.574          | 77   | 1286       | 0.474   | ug/l # | 54       |
| 31) Cyclohexane               | 5.549          | 56   | 2920       | 1.162   | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.549          | 75   | 10419      | 4.577   | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.549          | 117  | 13183      | 5.447   | ug/l # | 15       |
| 52) Toluene                   | 8.720          | 92   | 232723     | 56.077  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.720          | 75   | 2848       | 0.992   | ug/l # | 1        |
| 68) m/p-Xylenes               | 10.299         | 106  | 1452       | 0.479   | ug/l   | 98       |
| 69) o-Xylene                  | 10.640         | 106  | 921        | 0.305   | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 49691      | 24.157  | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 49691      | 54.754  | ug/l # | 5        |
| -----                         |                |      |            |         |        |          |

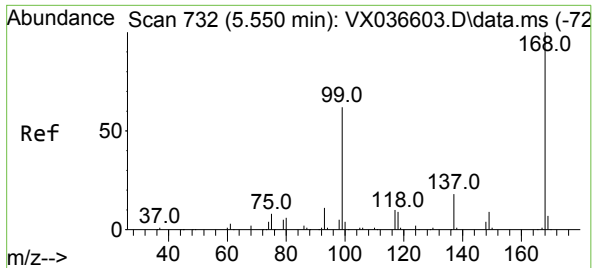
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX073123\  
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Acq On : 31 Jul 2023 18:23  
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Sample : 03808-06DL 20X  
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Instrument :  
MSVOA\_X  
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1713DL

Quant Time: Aug 01 04:40:55 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072123W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 21 12:14:12 2023  
Response via : Initial Calibration

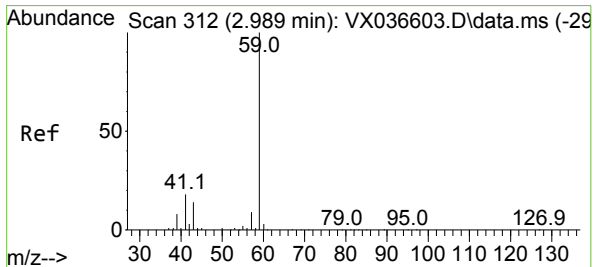
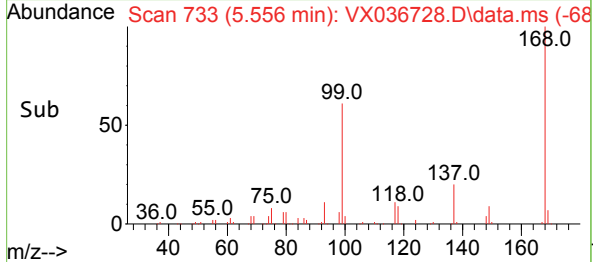
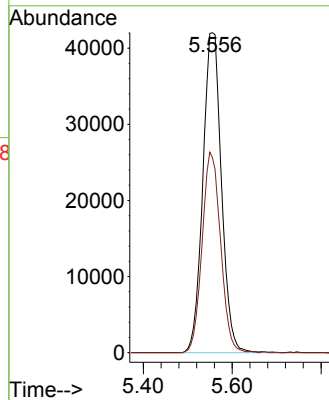
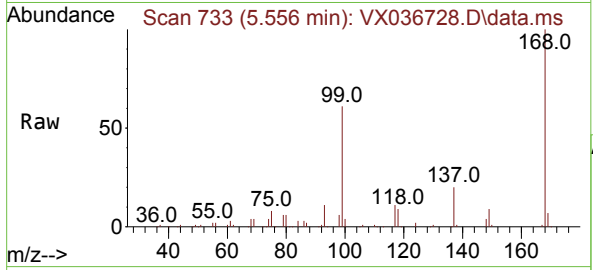




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX036728.D  
Acq: 31 Jul 2023 18:23

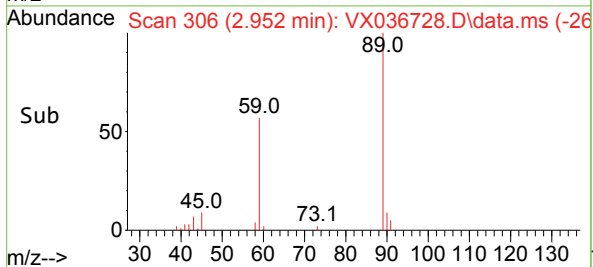
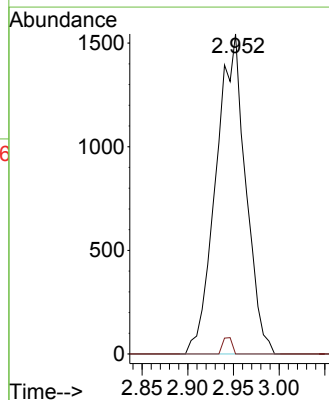
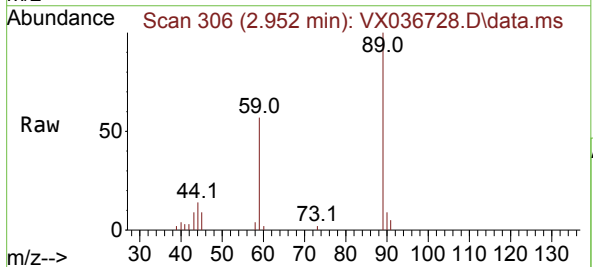
Instrument :  
MSVOA\_X  
ClientSampleId :  
1713DL

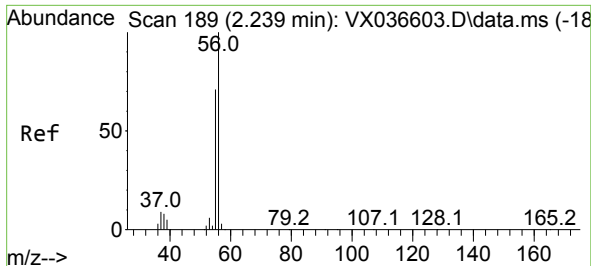
Tgt Ion:168 Resp: 122705  
Ion Ratio Lower Upper  
168 100  
99 61.0 56.6 85.0



#11  
Tert butyl alcohol  
Concen: 8.110 ug/l  
RT: 2.952 min Scan# 306  
Delta R.T. -0.037 min  
Lab File: VX036728.D  
Acq: 31 Jul 2023 18:23

Tgt Ion: 59 Resp: 3486  
Ion Ratio Lower Upper  
59 100  
57 1.6 6.0 9.0#

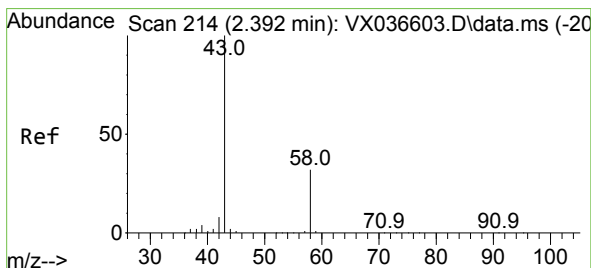
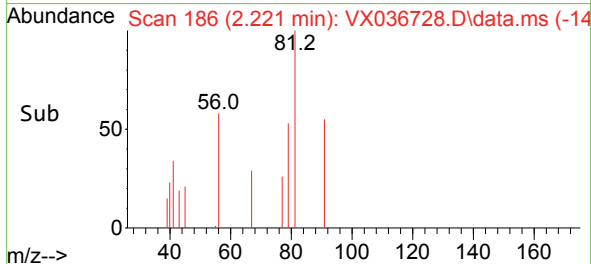
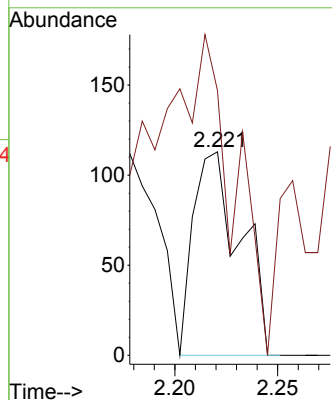
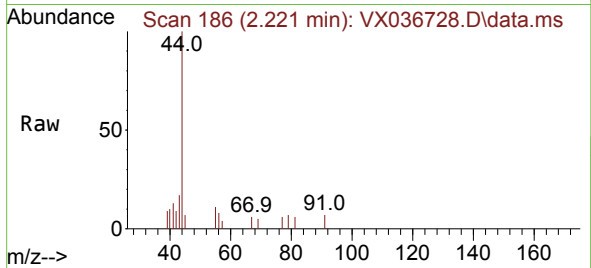




#13  
Acrolein  
Concen: 0.734 ug/l  
RT: 2.221 min Scan# 11  
Delta R.T. -0.019 min  
Lab File: VX036728.D  
Acq: 31 Jul 2023 18:23

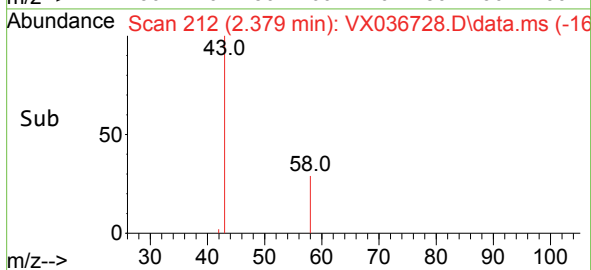
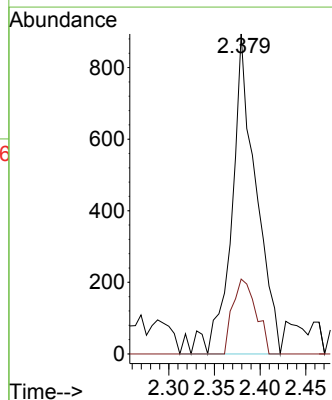
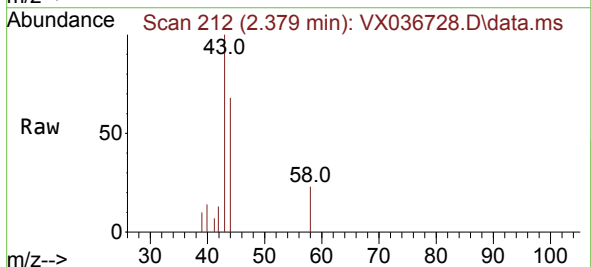
Instrument :  
MSVOA\_X  
ClientSampleId :  
1713DL

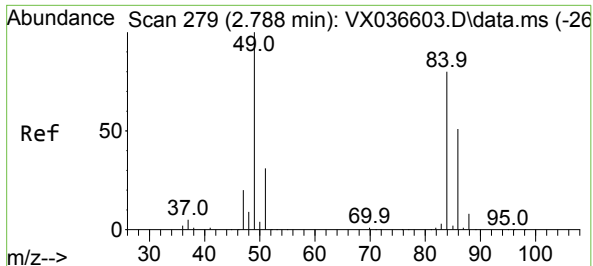
Tgt Ion: 56 Resp: 180  
Ion Ratio Lower Upper  
56 100  
55 0.0 57.1 85.7#



#16  
Acetone  
Concen: 2.210 ug/l  
RT: 2.379 min Scan# 212  
Delta R.T. -0.013 min  
Lab File: VX036728.D  
Acq: 31 Jul 2023 18:23

Tgt Ion: 43 Resp: 1665  
Ion Ratio Lower Upper  
43 100  
58 23.4 21.9 32.9





#20

Methylene Chloride

Concen: 0.459 ug/l

RT: 2.782 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX036728.D

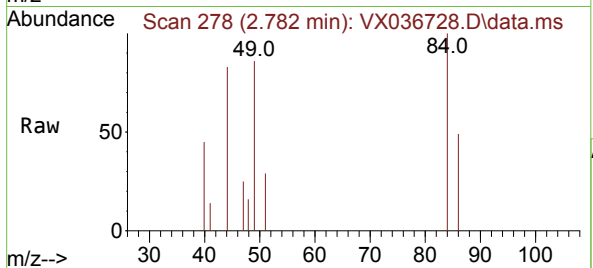
Acq: 31 Jul 2023 18:23

Instrument :

MSVOA\_X

ClientSampleId :

1713DL



Tgt Ion: 84 Resp: 769

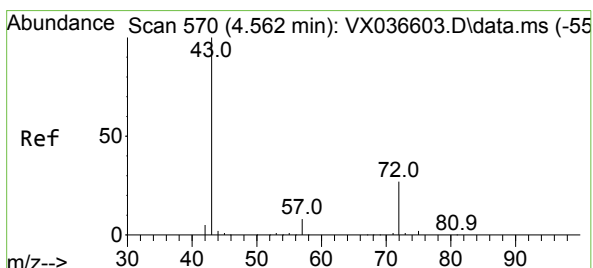
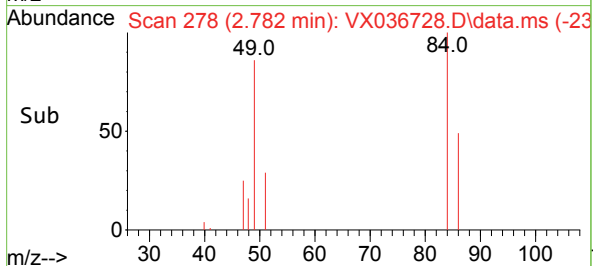
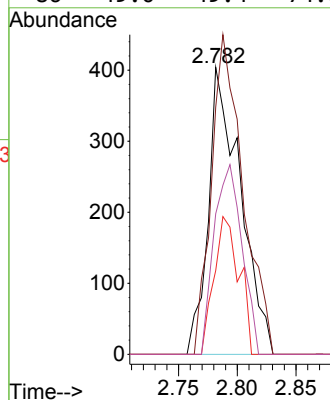
Ion Ratio Lower Upper

84 100

49 86.1 103.6 155.4#

51 29.2 33.8 50.6#

86 49.0 49.4 74.0#



#25

2-Butanone

Concen: 1.598 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.012 min

Lab File: VX036728.D

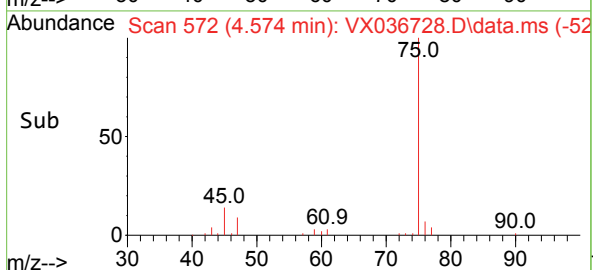
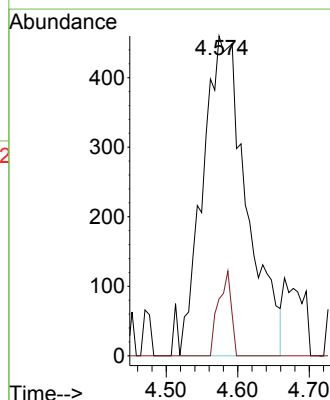
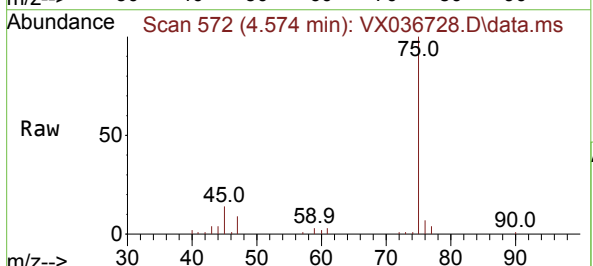
Acq: 31 Jul 2023 18:23

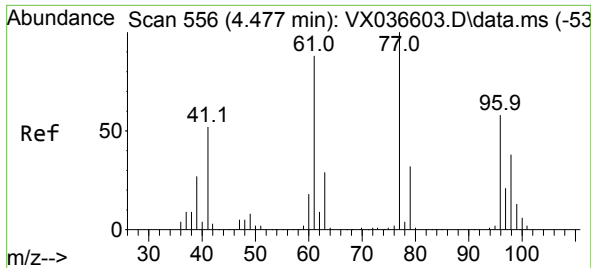
Tgt Ion: 43 Resp: 1953

Ion Ratio Lower Upper

43 100

72 17.8 19.4 29.2#

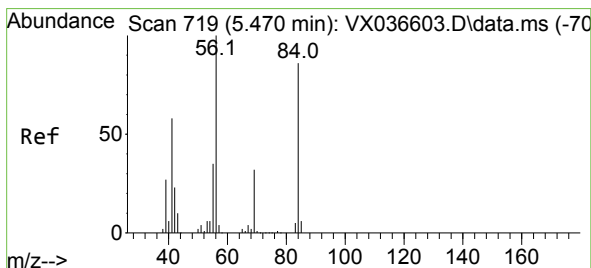
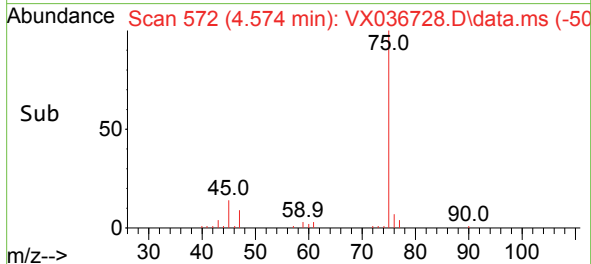
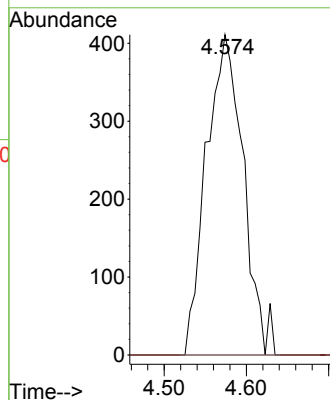
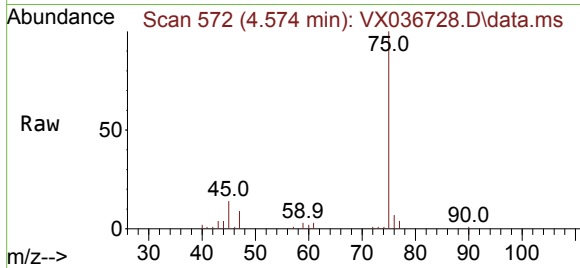




#26  
2,2-Dichloropropane  
Concen: 0.474 ug/l  
RT: 4.574 min Scan# 51  
Delta R.T. 0.097 min  
Lab File: VX036728.D  
Acq: 31 Jul 2023 18:23

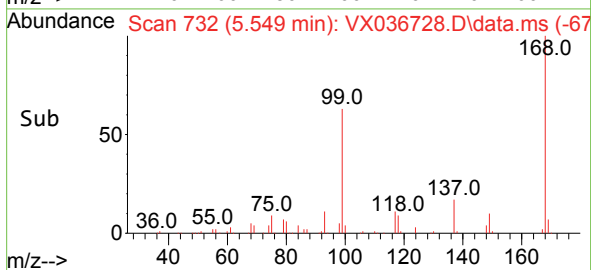
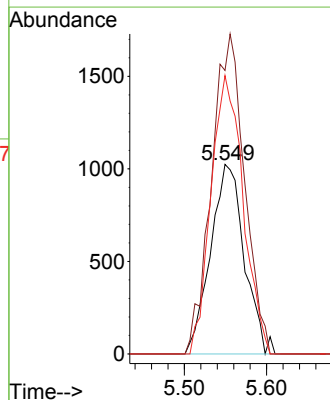
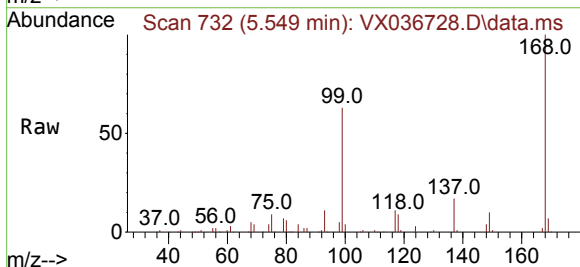
Instrument :  
MSVOA\_X  
ClientSampleId :  
1713DL

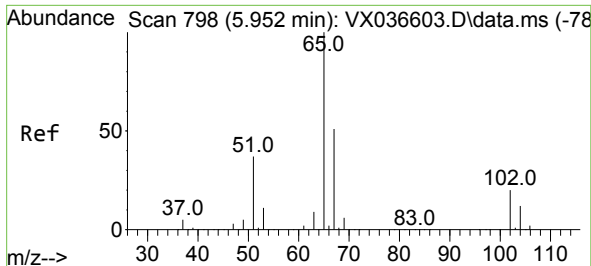
Tgt Ion: 77 Resp: 1286  
Ion Ratio Lower Upper  
77 100  
97 0.0 10.8 32.3#



#31  
Cyclohexane  
Concen: 1.162 ug/l  
RT: 5.549 min Scan# 732  
Delta R.T. 0.079 min  
Lab File: VX036728.D  
Acq: 31 Jul 2023 18:23

Tgt Ion: 56 Resp: 2920  
Ion Ratio Lower Upper  
56 100  
69 149.6 23.4 35.2#  
84 146.9 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 45.589 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX036728.D

Acq: 31 Jul 2023 18:23

Instrument :

MSVOA\_X

ClientSampleId :

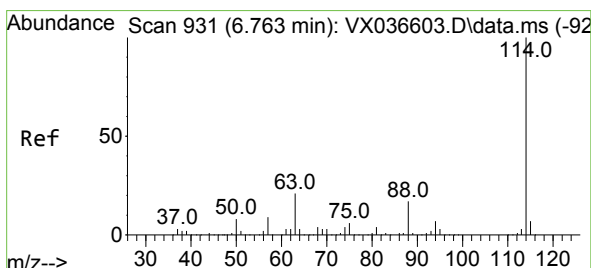
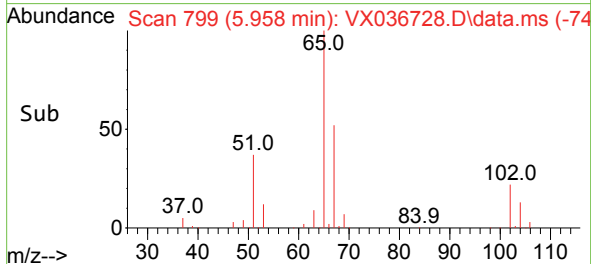
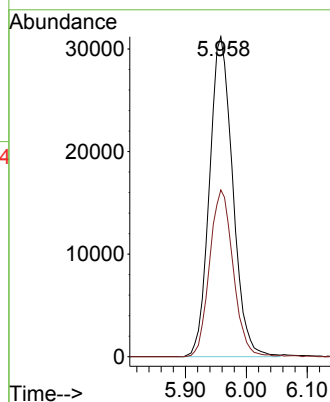
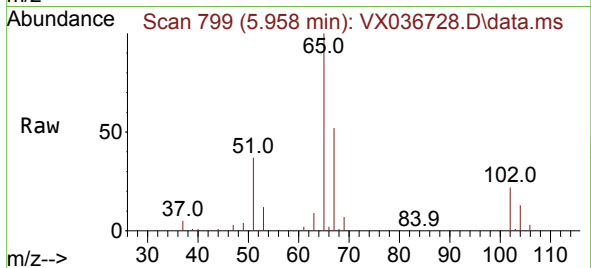
1713DL

Tgt Ion: 65 Resp: 82771

Ion Ratio Lower Upper

65 100

67 52.6 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: VX036728.D

Acq: 31 Jul 2023 18:23

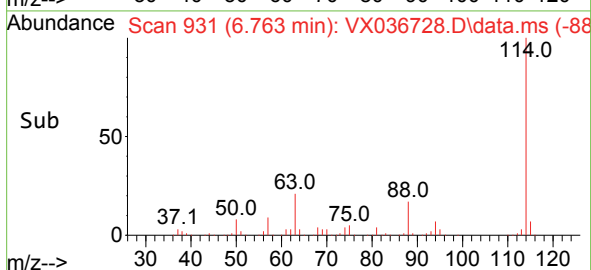
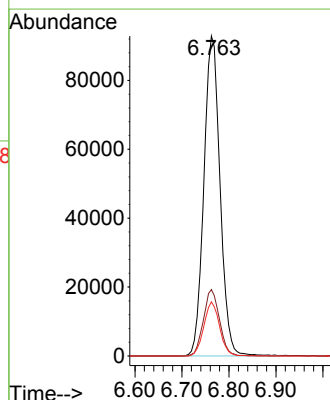
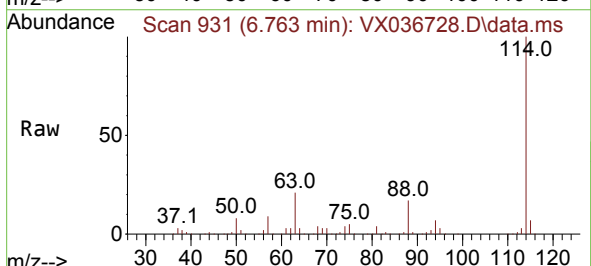
Tgt Ion: 114 Resp: 222208

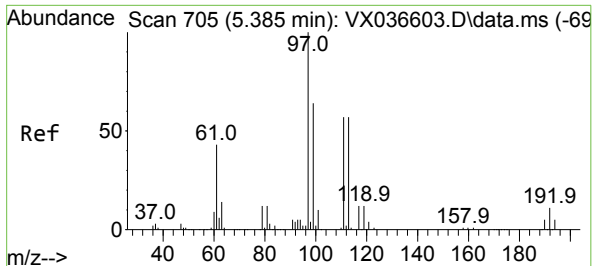
Ion Ratio Lower Upper

114 100

63 20.7 0.0 45.0

88 16.9 0.0 36.6

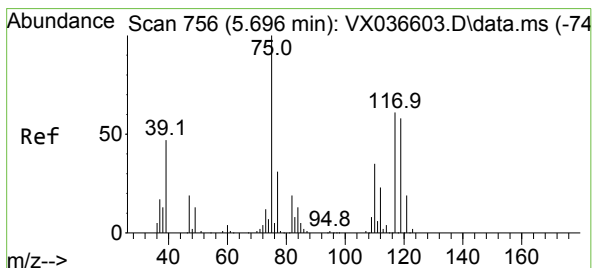
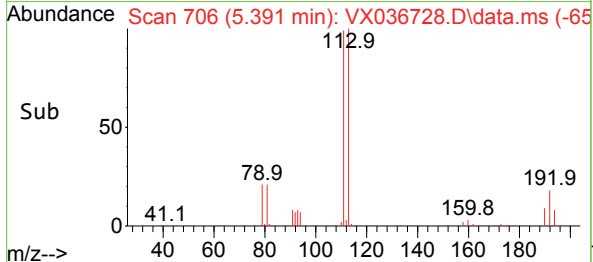
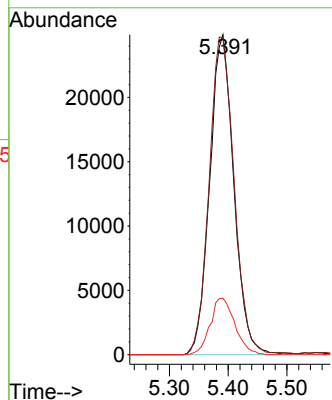
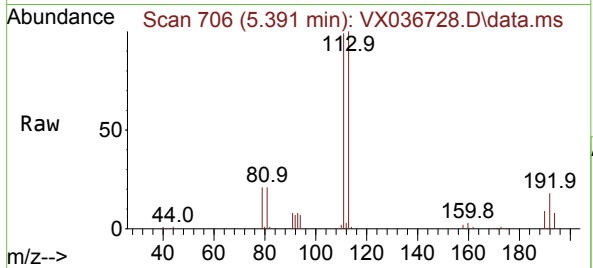




#35  
Dibromofluoromethane  
Concen: 46.375 ug/l  
RT: 5.391 min Scan# 705  
Delta R.T. 0.006 min  
Lab File: VX036728.D  
Acq: 31 Jul 2023 18:23

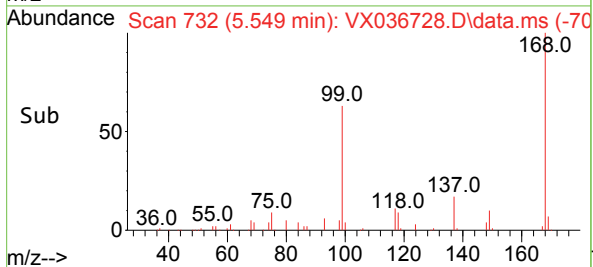
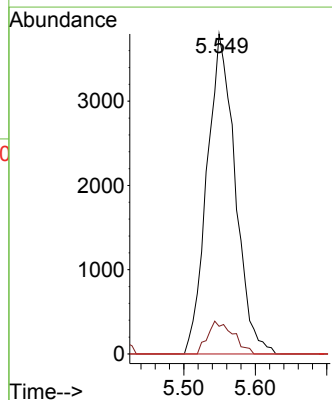
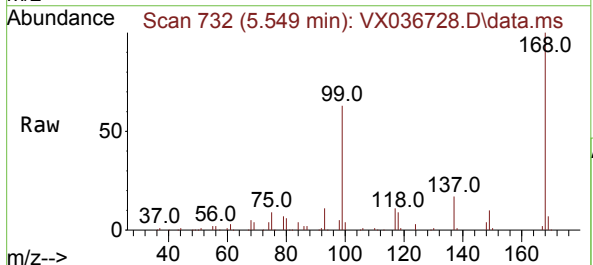
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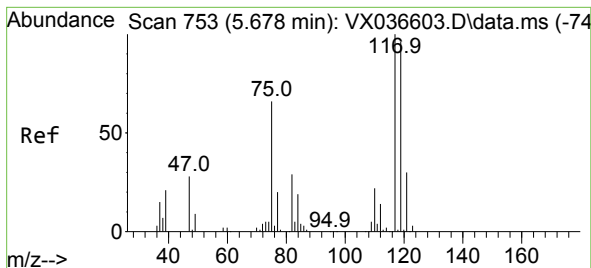
Tgt Ion:113 Resp: 70830  
Ion Ratio Lower Upper  
113 100  
111 103.1 82.9 124.3  
192 18.1 13.3 19.9



#36  
1,1-Dichloropropene  
Concen: 4.577 ug/l  
RT: 5.549 min Scan# 732  
Delta R.T. -0.147 min  
Lab File: VX036728.D  
Acq: 31 Jul 2023 18:23

Tgt Ion: 75 Resp: 10419  
Ion Ratio Lower Upper  
75 100  
110 9.2 17.0 50.9#  
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.447 ug/l

RT: 5.549 min Scan# 71

Delta R.T. -0.128 min

Lab File: VX036728.D

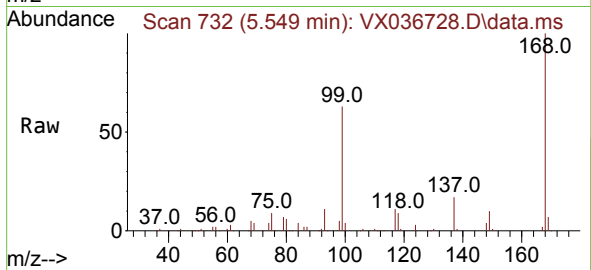
Acq: 31 Jul 2023 18:23

Instrument :

MSVOA\_X

ClientSampleId :

1713DL



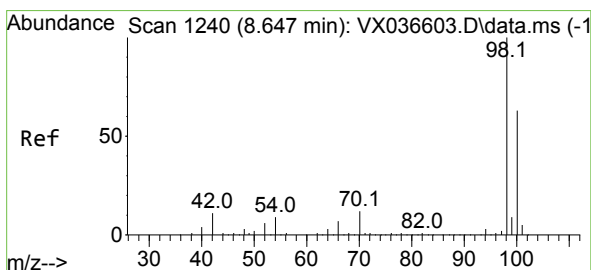
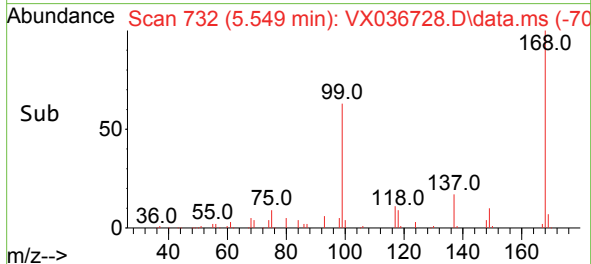
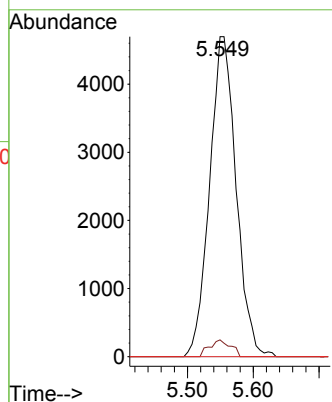
Tgt Ion:117 Resp: 13183

Ion Ratio Lower Upper

117 100

119 5.2 78.2 117.2#

121 0.0 24.4 36.6#



#50

Toluene-d8

Concen: 49.176 ug/l

RT: 8.646 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX036728.D

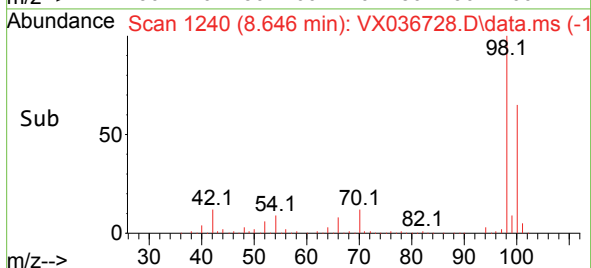
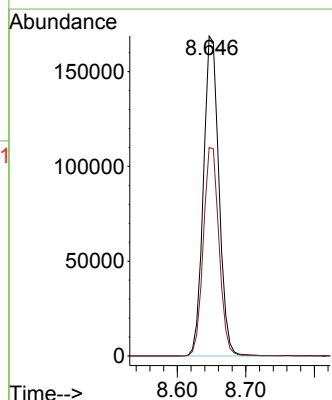
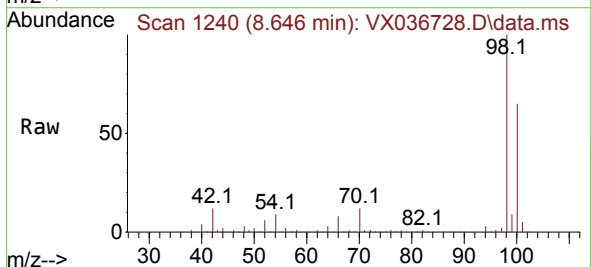
Acq: 31 Jul 2023 18:23

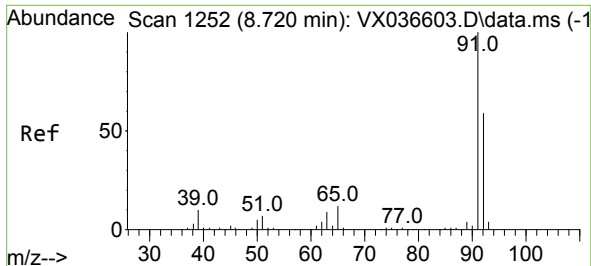
Tgt Ion: 98 Resp: 266352

Ion Ratio Lower Upper

98 100

100 66.0 53.1 79.7

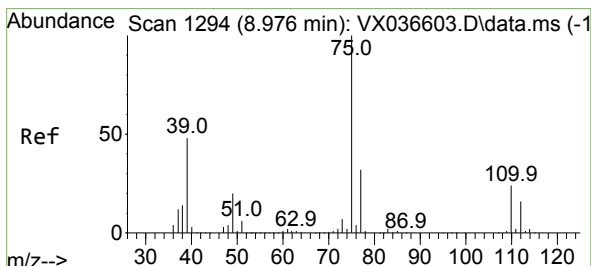
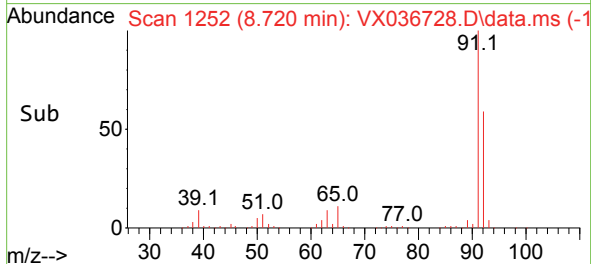
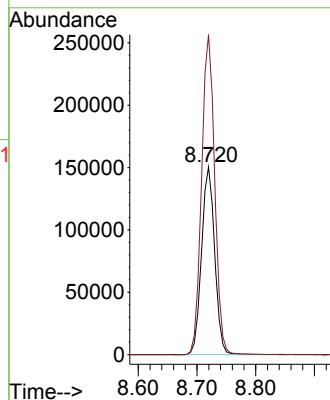
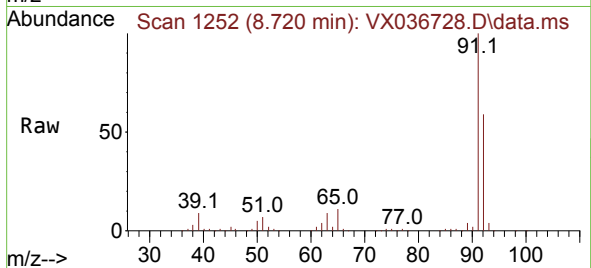




#52  
Toluene  
Concen: 56.077 ug/l  
RT: 8.720 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX036728.D  
Acq: 31 Jul 2023 18:23

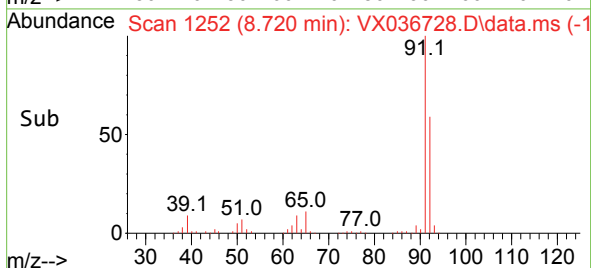
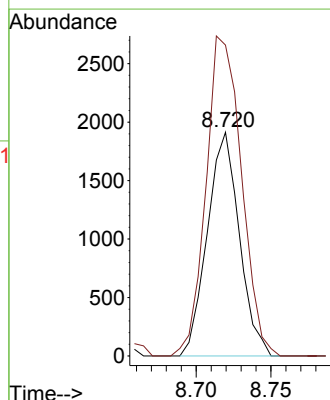
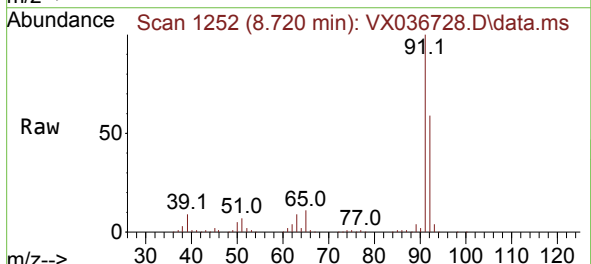
Instrument :  
MSVOA\_X  
ClientSampleId :  
1713DL

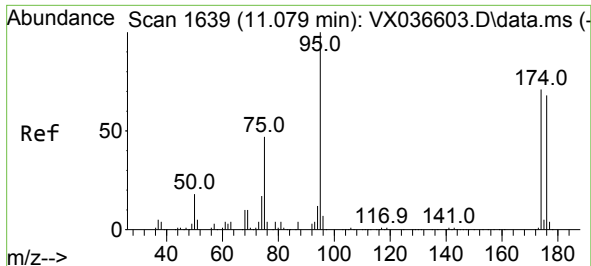
Tgt Ion: 92 Resp: 232723  
Ion Ratio Lower Upper  
92 100  
91 170.9 134.2 201.2



#53  
t-1,3-Dichloropropene  
Concen: 0.992 ug/l  
RT: 8.720 min Scan# 1252  
Delta R.T. -0.256 min  
Lab File: VX036728.D  
Acq: 31 Jul 2023 18:23

Tgt Ion: 75 Resp: 2848  
Ion Ratio Lower Upper  
75 100  
77 139.0 25.7 38.5#

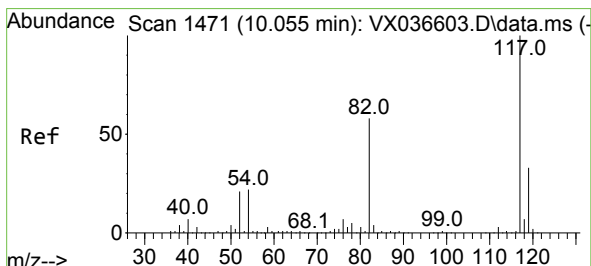
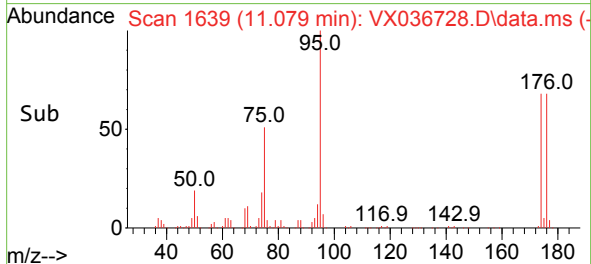
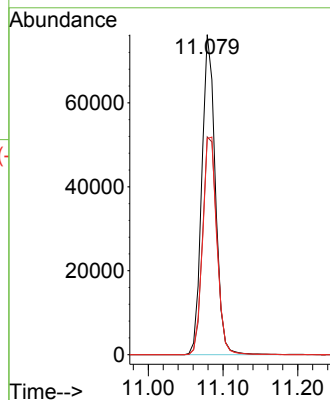
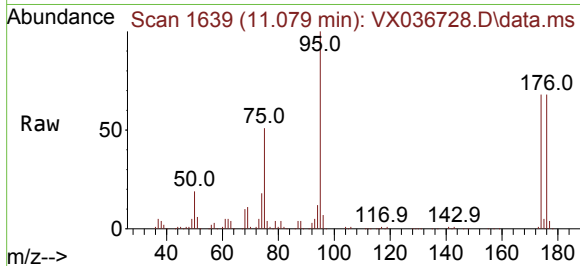




#62  
4-Bromofluorobenzene  
Concen: 46.762 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX036728.D  
Acq: 31 Jul 2023 18:23

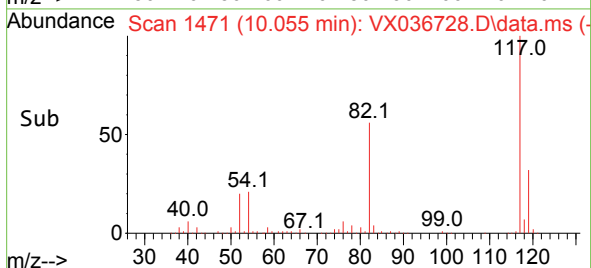
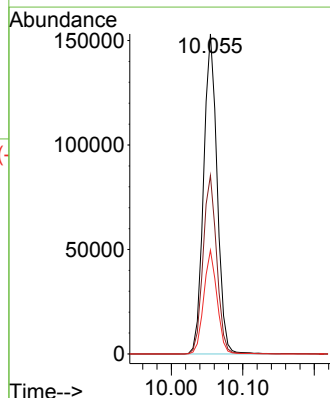
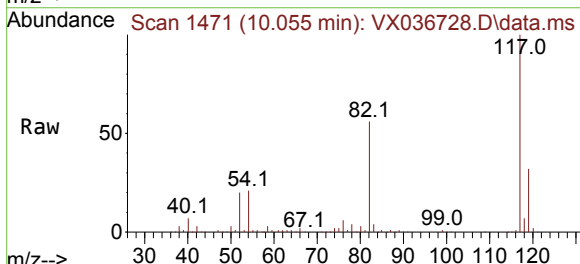
Instrument :  
MSVOA\_X  
ClientSampleId :  
1713DL

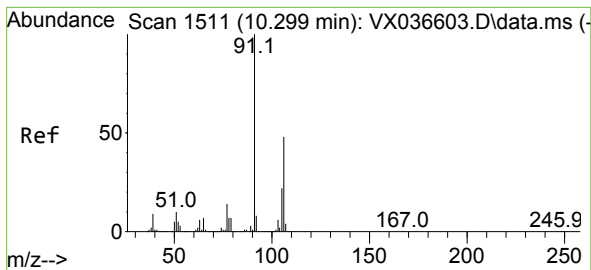
Tgt Ion: 95 Resp: 95557  
Ion Ratio Lower Upper  
95 100  
174 72.3 0.0 135.6  
176 71.6 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX036728.D  
Acq: 31 Jul 2023 18:23

Tgt Ion: 117 Resp: 201601  
Ion Ratio Lower Upper  
117 100  
82 55.7 46.2 69.4  
119 32.4 25.5 38.3

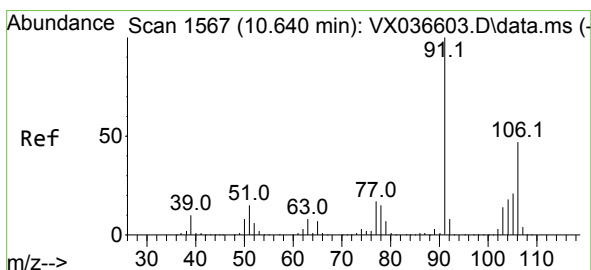
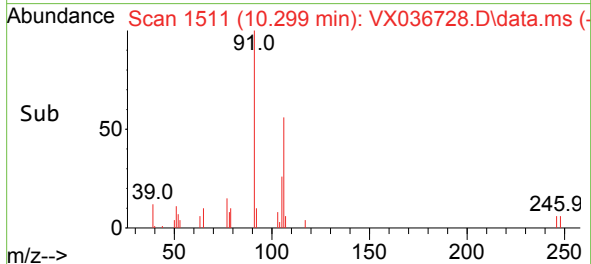
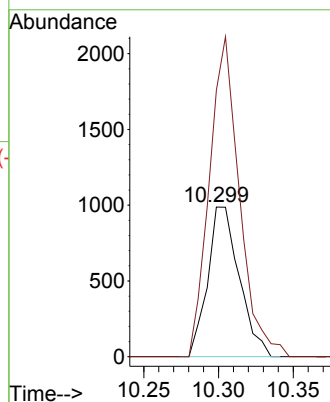
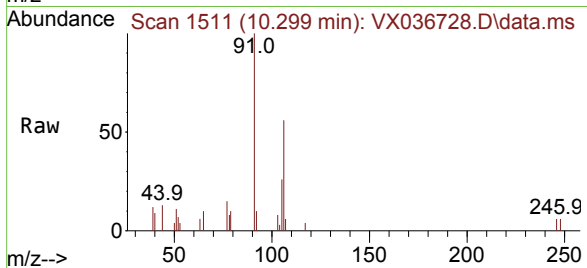




#68  
m/p-Xylenes  
Concen: 0.479 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. -0.000 min  
Lab File: VX036728.D  
Acq: 31 Jul 2023 18:23

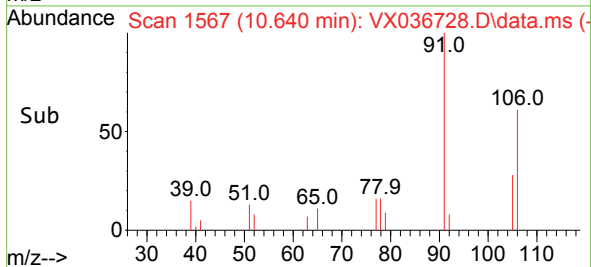
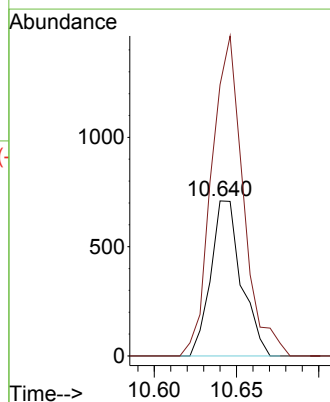
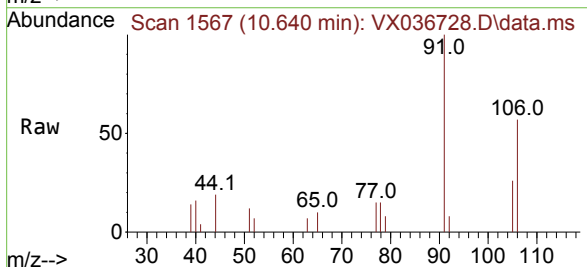
Instrument :  
MSVOA\_X  
ClientSampleId :  
1713DL

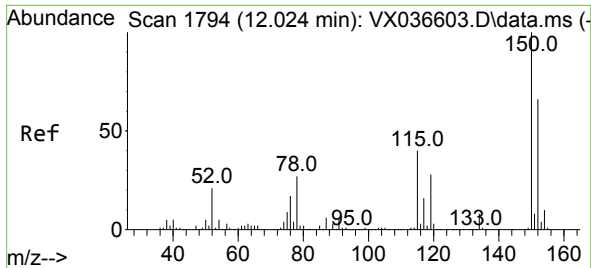
Tgt Ion:106 Resp: 1452  
Ion Ratio Lower Upper  
106 100  
91 203.3 165.5 248.3



#69  
o-Xylene  
Concen: 0.305 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. -0.000 min  
Lab File: VX036728.D  
Acq: 31 Jul 2023 18:23

Tgt Ion:106 Resp: 921  
Ion Ratio Lower Upper  
106 100  
91 213.0 108.9 326.8

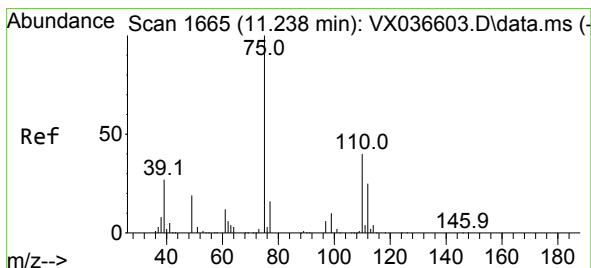
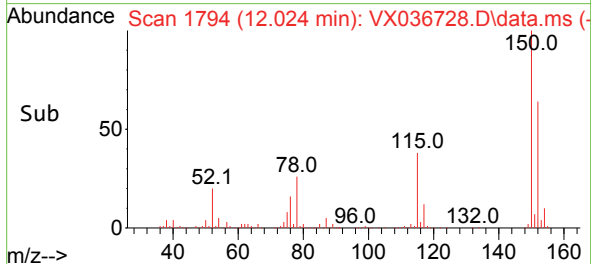
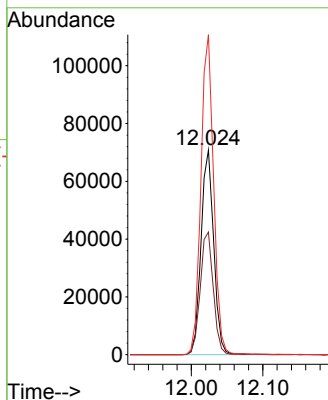
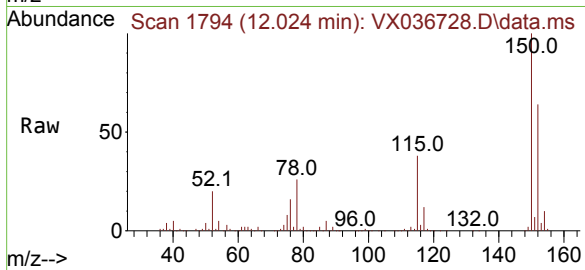




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VX036728.D  
 Acq: 31 Jul 2023 18:23

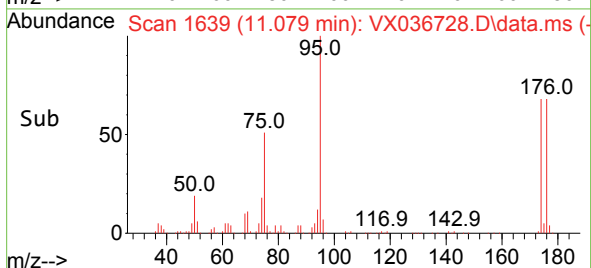
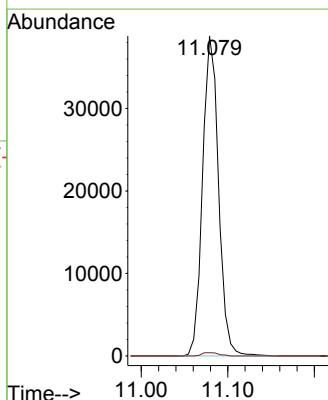
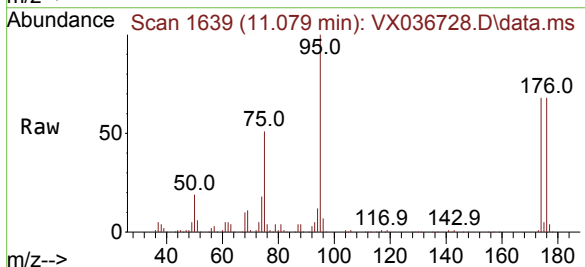
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 1713DL

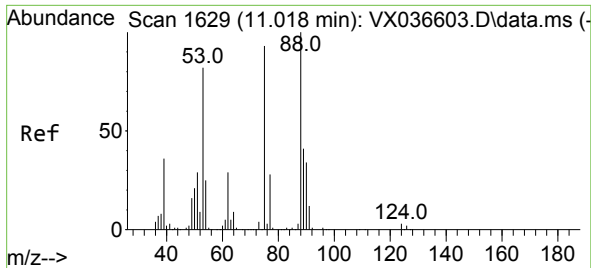
Tgt Ion:152 Resp: 87452  
 Ion Ratio Lower Upper  
 152 100  
 115 61.5 43.3 129.9  
 150 156.4 0.0 345.0



#76  
 1,2,3-Trichloropropane  
 Concen: 24.157 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.159 min  
 Lab File: VX036728.D  
 Acq: 31 Jul 2023 18:23

Tgt Ion: 75 Resp: 49691  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 19.1 57.5#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 54.754 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.061 min  
Lab File: VX036728.D  
Acq: 31 Jul 2023 18:23

Instrument :  
MSVOA\_X  
ClientSampleId :  
1713DL

Tgt Ion: 75 Resp: 49691  
Ion Ratio Lower Upper  
75 100  
53 0.0 90.5 135.7#  
89 0.0 36.9 55.3#

