

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081123\
 Data File : VX036950.D
 Acq On : 11 Aug 2023 18:51
 Operator : JC/MD
 Sample : 03972-03
 Misc : 1.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 11 23:05:36 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)

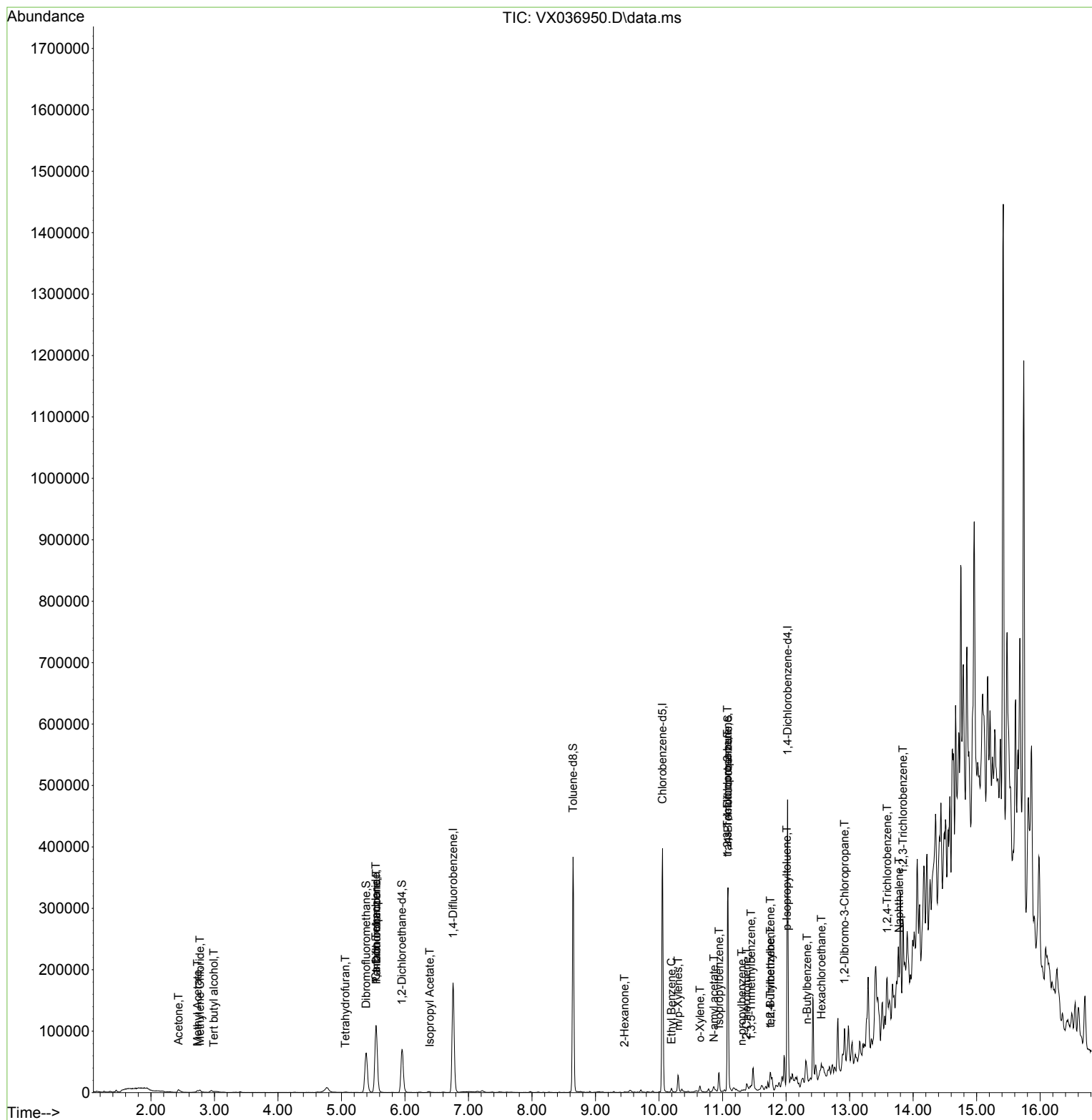
Internal Standards						
1) Pentafluorobenzene	5.550	168	100731	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	184743	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	178879	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91872	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	70531	47.322	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.640%		
35) Dibromofluoromethane	5.385	113	56390	44.408	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.820%		
50) Toluene-d8	8.647	98	222935	49.507	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.020%		
62) 4-Bromofluorobenzene	11.085	95	94369	55.546	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	111.100%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.989	59	180	0.510	ug/l #	78
16) Acetone	2.435	43	6797	10.990	ug/l #	83
18) Methyl Acetate	2.733	43	3974	1.527	ug/l	97
20) Methylene Chloride	2.770	84	1524	1.108	ug/l #	82
29) Tetrahydrofuran	5.062	42	278	0.430	ug/l #	77
36) 1,1-Dichloropropene	5.550	75	8533	4.508	ug/l #	50
38) Carbon Tetrachloride	5.544	117	10471	5.204	ug/l #	15
43) Isopropyl Acetate	6.391	43	959	0.260	ug/l #	62
59) 2-Hexanone	9.458	43	716	0.473	ug/l	90
67) Ethyl Benzene	10.195	91	3728	0.518	ug/l	97
68) m/p-Xylenes	10.299	106	6239	2.321	ug/l	97
69) o-Xylene	10.647	106	2151	0.802	ug/l	83
73) Isopropylbenzene	10.945	105	1684	0.221	ug/l #	70
74) N-amyl acetate	10.866	43	1753	0.494	ug/l #	4
76) 1,2,3-Trichloropropane	11.079	75	48583	22.482	ug/l #	39
78) n-propylbenzene	11.305	91	1904	0.217	ug/l	93
79) 2-Chlorotoluene	11.378	91	1088	0.204	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.451	105	3196	0.502	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.079	75	48583	50.958	ug/l #	5
83) tert-Butylbenzene	11.756	119	1543	0.247	ug/l #	28
84) 1,2,4-Trimethylbenzene	11.756	105	9984	1.570	ug/l	98
86) p-Isopropyltoluene	12.012	119	6518	1.017	ug/l	93
89) n-Butylbenzene	12.329	91	3477	0.606	ug/l #	51
90) Hexachloroethane	12.555	117	896	0.689	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	12.920	75	139	0.233	ug/l #	17
93) 1,2,4-Trichlorobenzene	13.591	180	11674	6.123	ug/l #	88
95) Naphthalene	13.780	128	18491	2.783	ug/l #	96
96) 1,2,3-Trichlorobenzene	13.841	180	1368	0.728	ug/l	64

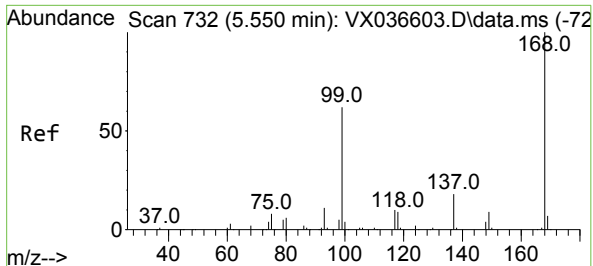
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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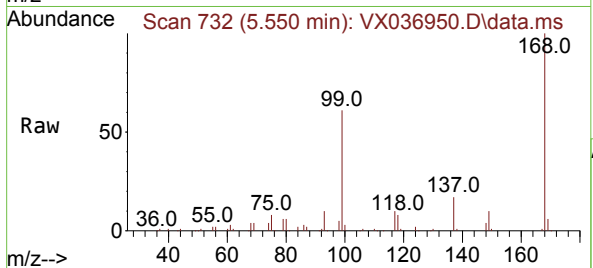
Quant Time: Aug 11 23:05:36 2023
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QLast Update : Fri Jul 21 12:14:12 2023
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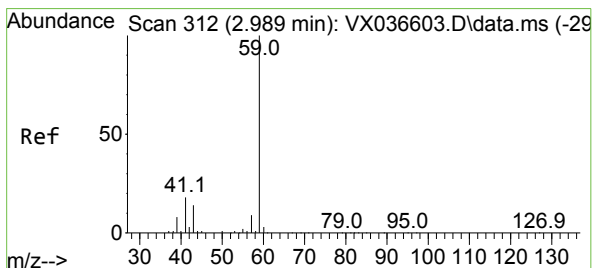
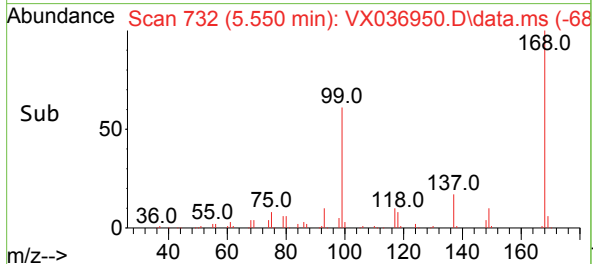
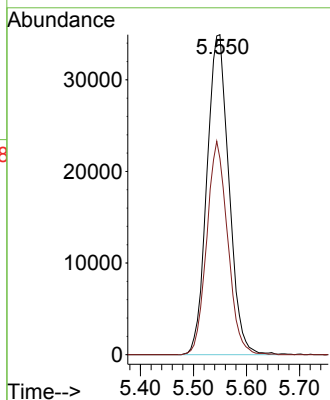


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX036950.D
Acq: 11 Aug 2023 18:51

Instrument :
MSVOA_X
ClientSampleId :

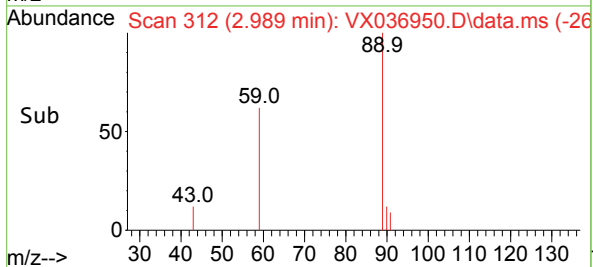
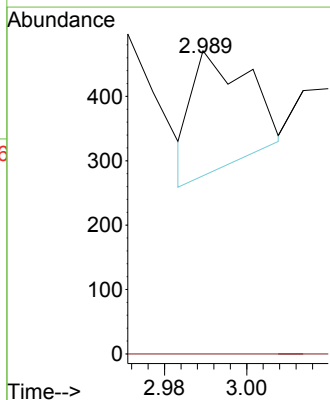
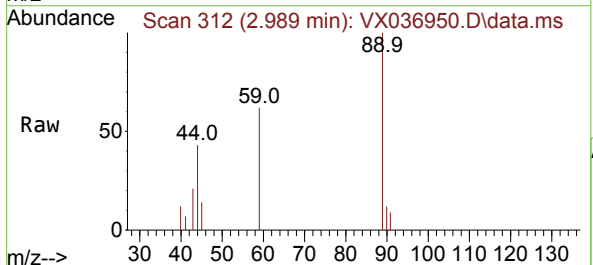


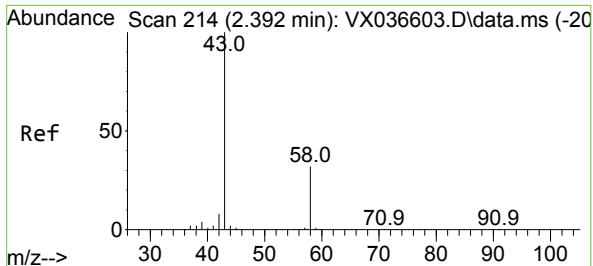
Tgt Ion:168 Resp: 100731
Ion Ratio Lower Upper
168 100
99 61.3 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.510 ug/l
RT: 2.989 min Scan# 312
Delta R.T. 0.000 min
Lab File: VX036950.D
Acq: 11 Aug 2023 18:51

Tgt Ion: 59 Resp: 180
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

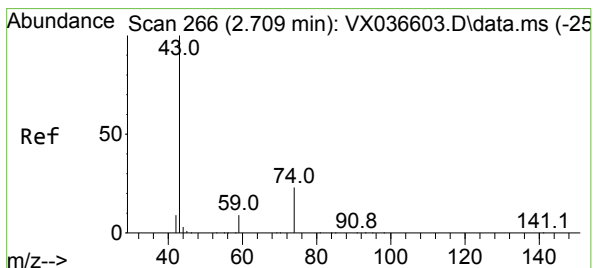
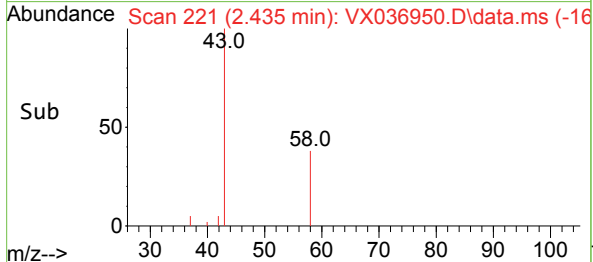
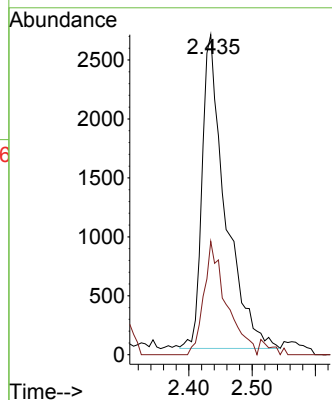
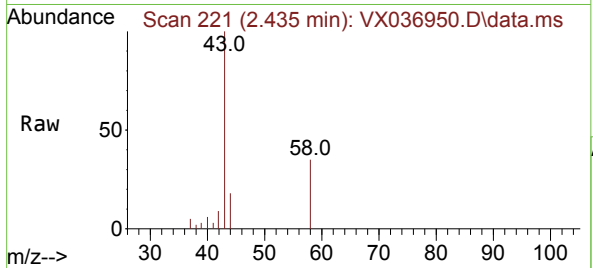




#16
Acetone
Concen: 10.990 ug/l
RT: 2.435 min Scan# 214
Delta R.T. 0.043 min
Lab File: VX036950.D
Acq: 11 Aug 2023 18:51

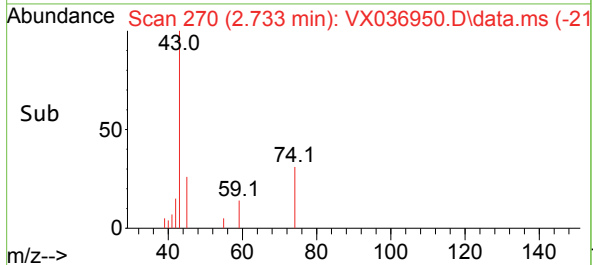
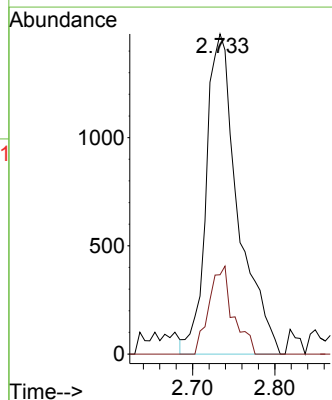
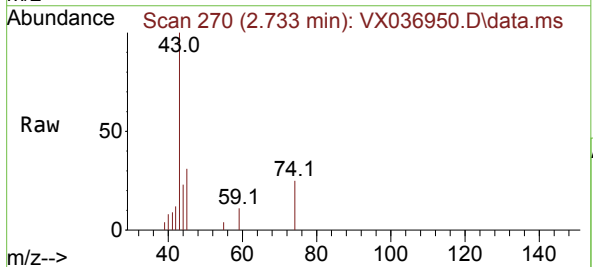
Instrument :
MSVOA_X
ClientSampleId :

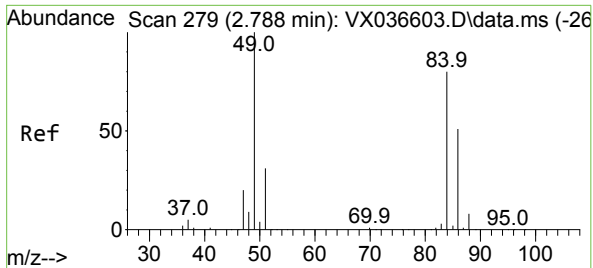
Tgt Ion: 43 Resp: 6797
Ion Ratio Lower Upper
43 100
58 36.2 21.9 32.9#



#18
Methyl Acetate
Concen: 1.527 ug/l
RT: 2.733 min Scan# 270
Delta R.T. 0.025 min
Lab File: VX036950.D
Acq: 11 Aug 2023 18:51

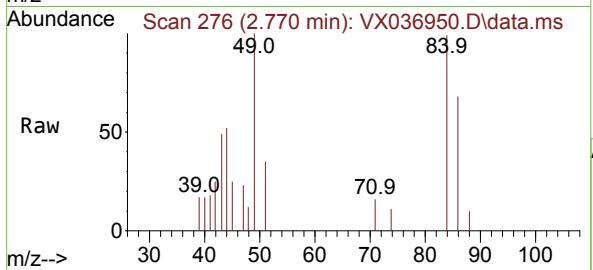
Tgt Ion: 43 Resp: 3974
Ion Ratio Lower Upper
43 100
74 20.7 17.8 26.8



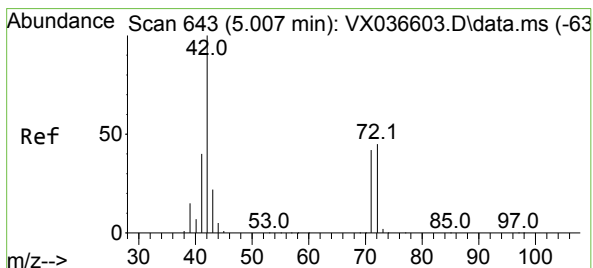
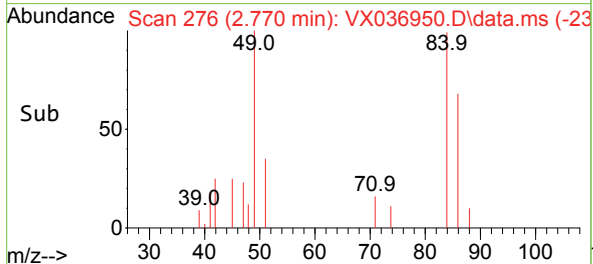
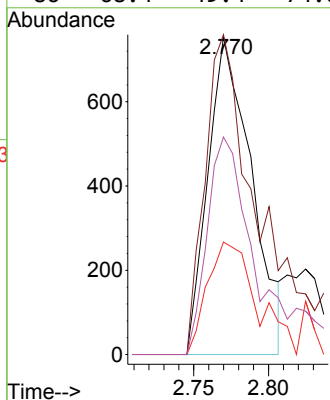


#20
Methylene Chloride
Concen: 1.108 ug/l
RT: 2.770 min Scan# 21
Delta R.T. -0.018 min
Lab File: VX036950.D
Acq: 11 Aug 2023 18:51

Instrument :
MSVOA_X
ClientSampleId :

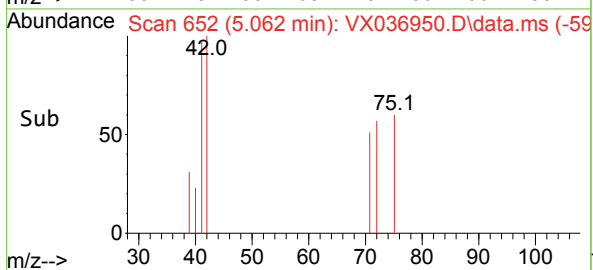
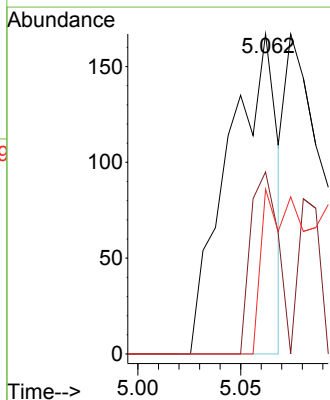
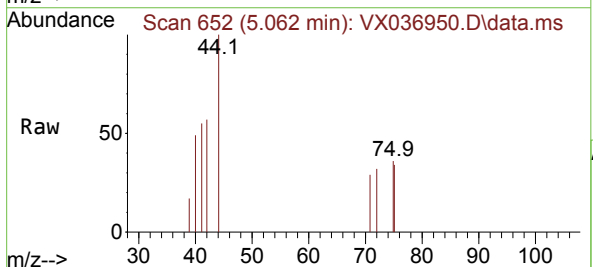


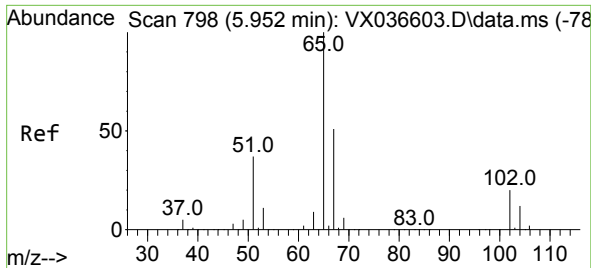
Tgt Ion:	84	Resp:	1524
Ion	Ratio	Lower	Upper
84	100		
49	100.7	103.6	155.4#
51	35.4	33.8	50.6
86	68.4	49.4	74.0



#29
Tetrahydrofuran
Concen: 0.430 ug/l
RT: 5.062 min Scan# 652
Delta R.T. 0.055 min
Lab File: VX036950.D
Acq: 11 Aug 2023 18:51

Tgt Ion:	42	Resp:	278
Ion	Ratio	Lower	Upper
42	100		
72	31.3	34.2	51.4#
71	57.9	32.2	48.2#

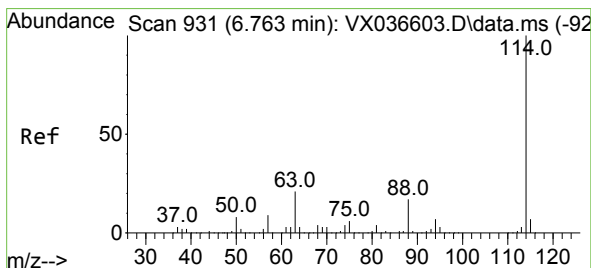
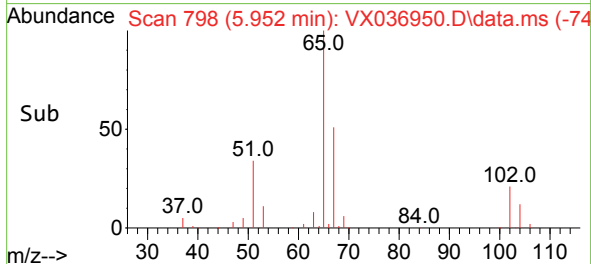
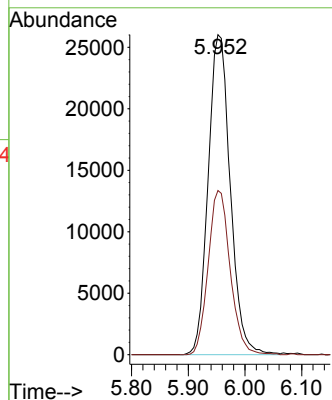
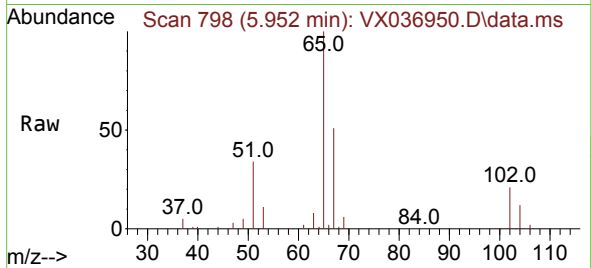




#33
 1,2-Dichloroethane-d4
 Concen: 47.322 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX036950.D
 Acq: 11 Aug 2023 18:51

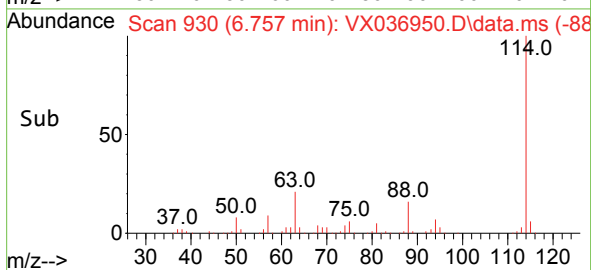
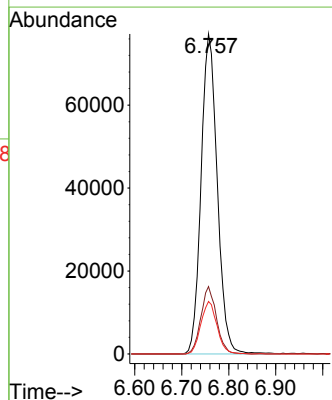
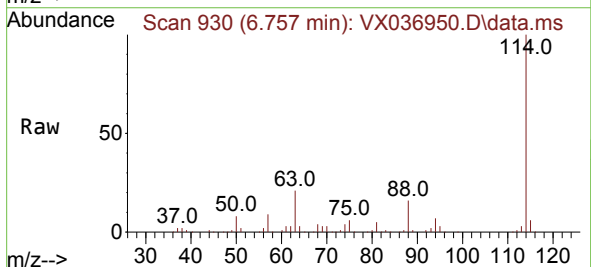
Instrument :
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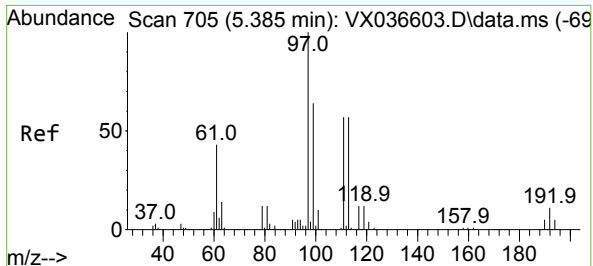
Tgt Ion: 65 Resp: 70531
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.006 min
 Lab File: VX036950.D
 Acq: 11 Aug 2023 18:51

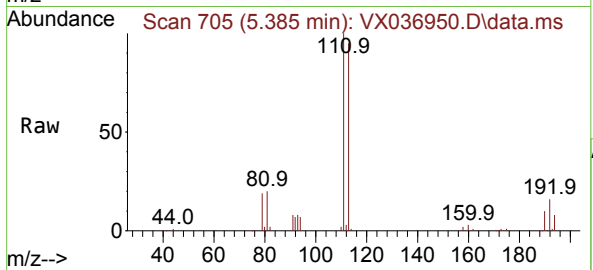
Tgt Ion: 114 Resp: 184743
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 45.0
 88 16.4 0.0 36.6



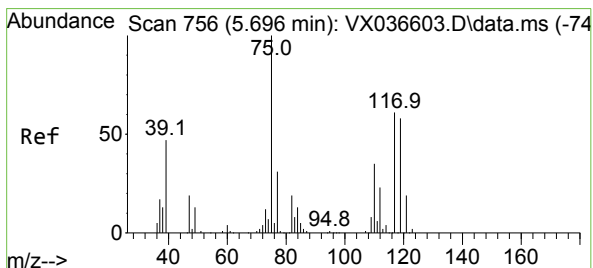
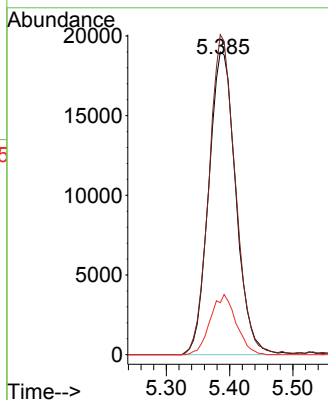
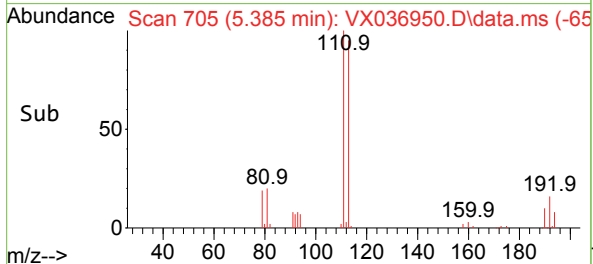


#35
Dibromofluoromethane
Concen: 44.408 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036950.D
Acq: 11 Aug 2023 18:51

Instrument :
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ClientSampleId :

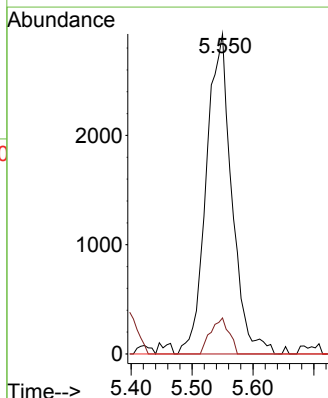
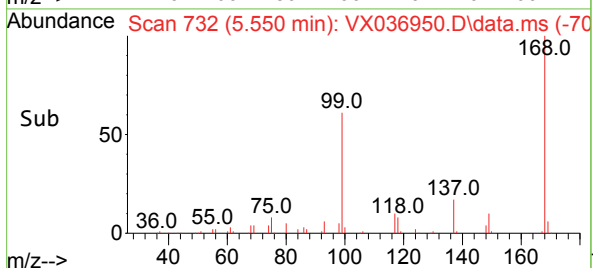
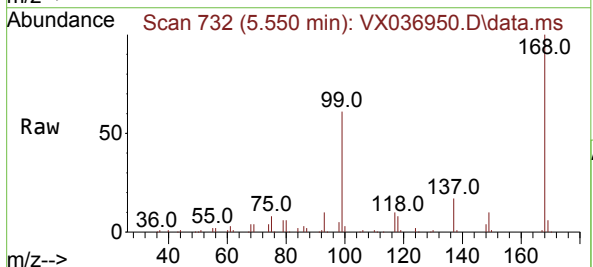


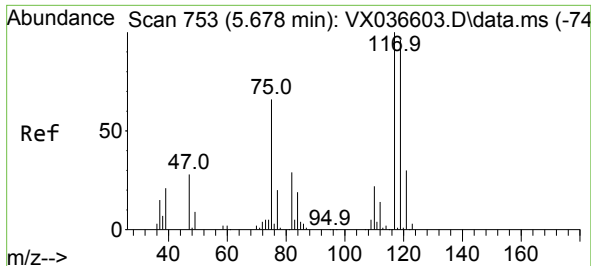
Tgt Ion:113 Resp: 56390
Ion Ratio Lower Upper
113 100
111 102.8 82.9 124.3
192 19.0 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.508 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX036950.D
Acq: 11 Aug 2023 18:51

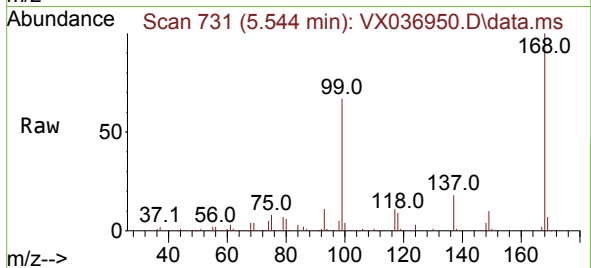
Tgt Ion: 75 Resp: 8533
Ion Ratio Lower Upper
75 100
110 8.1 17.0 50.9#
77 0.0 24.7 37.1#



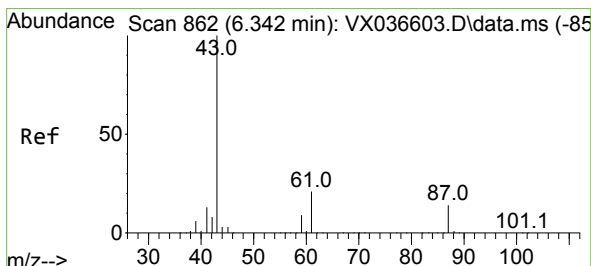
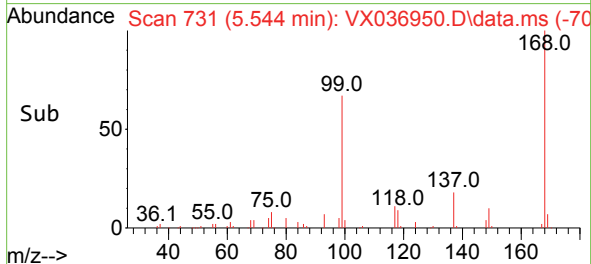
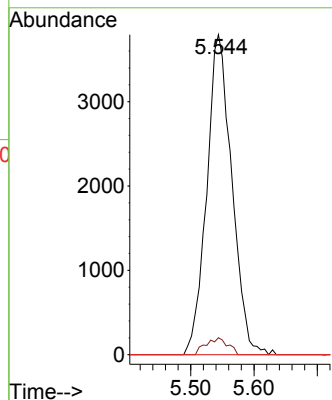


#38
Carbon Tetrachloride
Concen: 5.204 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX036950.D
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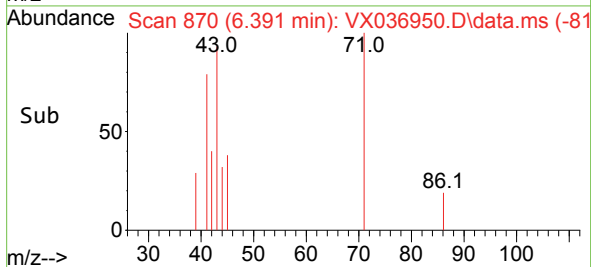
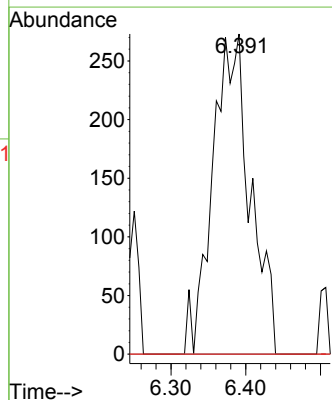
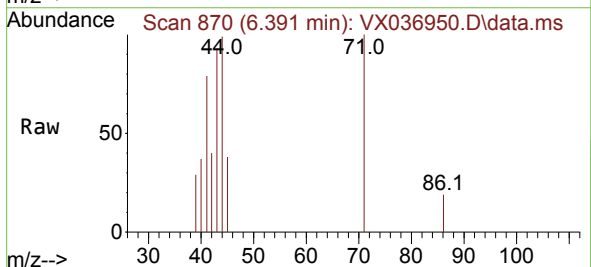


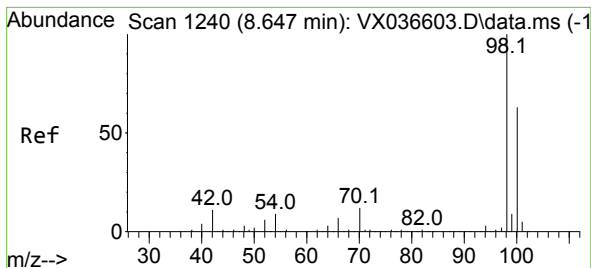
Tgt Ion:117 Resp: 10471
Ion Ratio Lower Upper
117 100
119 5.3 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 0.260 ug/l
RT: 6.391 min Scan# 870
Delta R.T. 0.049 min
Lab File: VX036950.D
Acq: 11 Aug 2023 18:51

Tgt Ion: 43 Resp: 959
Ion Ratio Lower Upper
43 100
61 0.0 15.2 22.8#
87 0.0 9.8 14.6#





#50

Toluene-d8

Concen: 49.507 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

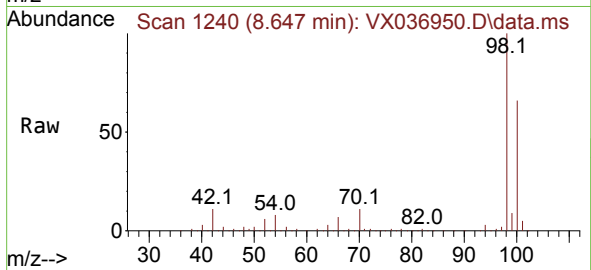
Lab File: VX036950.D

Acq: 11 Aug 2023 18:51

Instrument :

MSVOA_X

ClientSampleId :

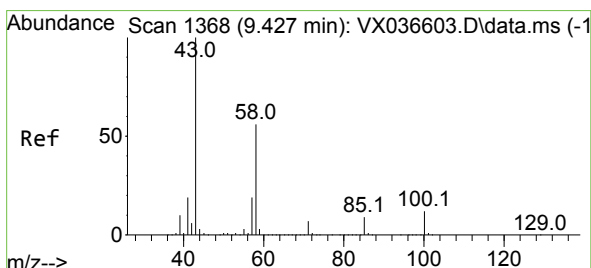
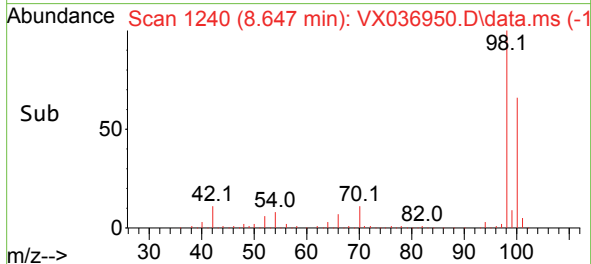
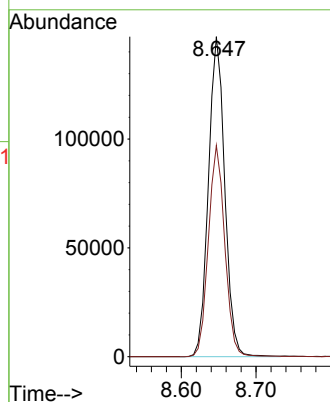


Tgt Ion: 98 Resp: 222935

Ion Ratio Lower Upper

98 100

100 66.2 53.1 79.7



#59

2-Hexanone

Concen: 0.473 ug/l

RT: 9.458 min Scan# 1373

Delta R.T. 0.031 min

Lab File: VX036950.D

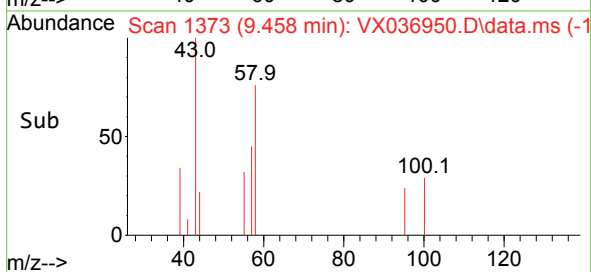
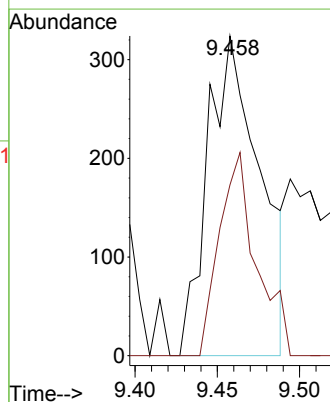
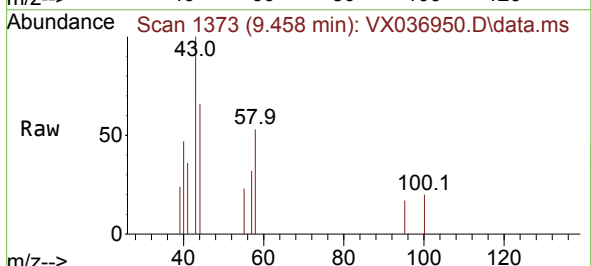
Acq: 11 Aug 2023 18:51

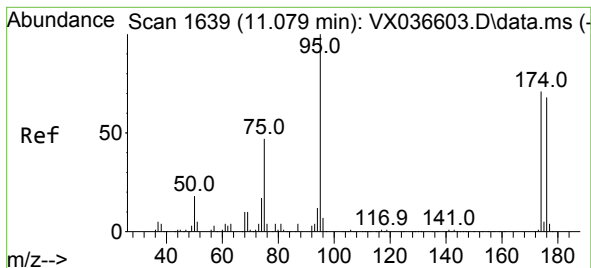
Tgt Ion: 43 Resp: 716

Ion Ratio Lower Upper

43 100

58 45.1 26.2 78.5

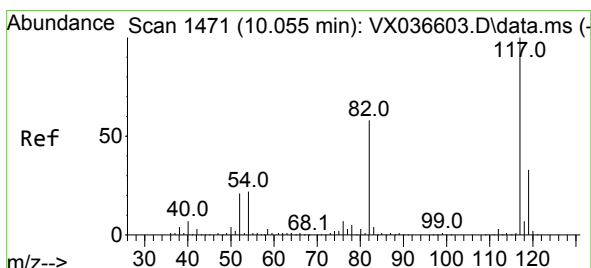
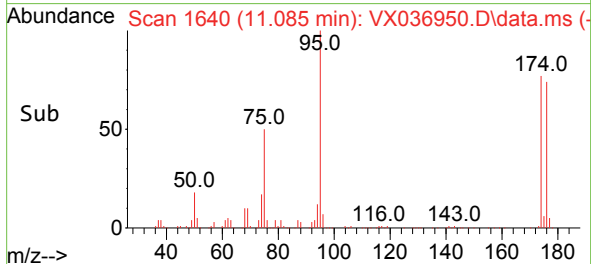
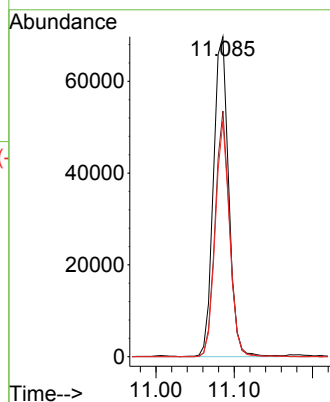
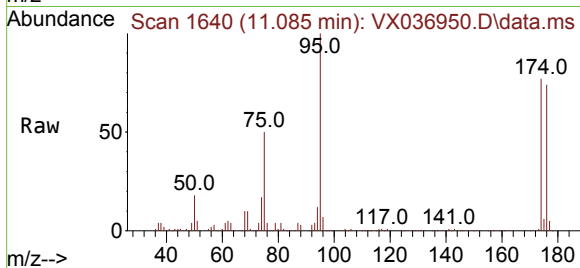




#62
4-Bromofluorobenzene
Concen: 55.546 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX036950.D
Acq: 11 Aug 2023 18:51

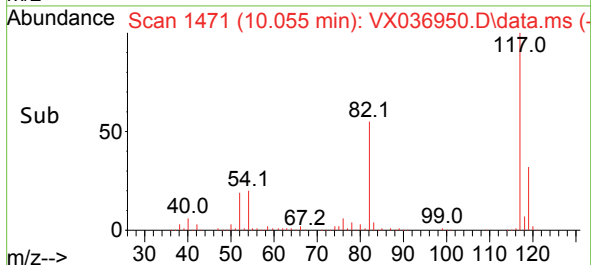
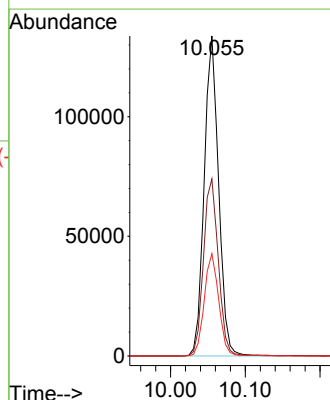
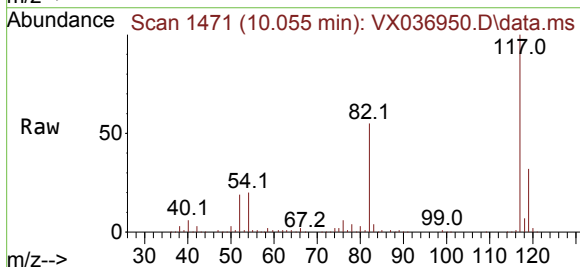
Instrument :
MSVOA_X
ClientSampleId :

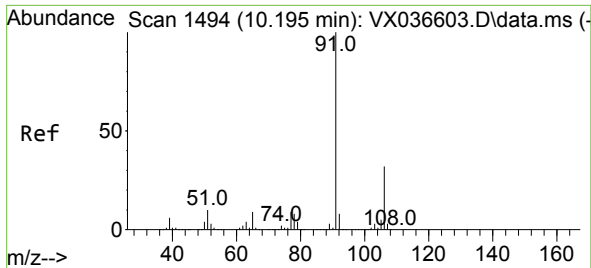
Tgt Ion: 95 Resp: 94369
Ion Ratio Lower Upper
95 100
174 72.6 0.0 135.6
176 69.4 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036950.D
Acq: 11 Aug 2023 18:51

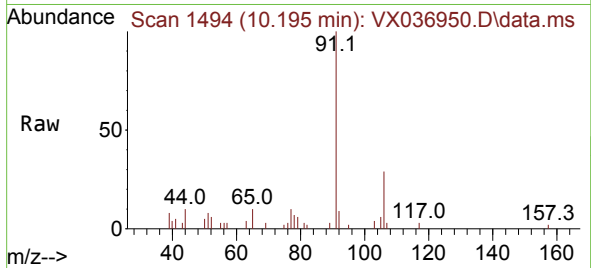
Tgt Ion: 117 Resp: 178879
Ion Ratio Lower Upper
117 100
82 55.4 46.2 69.4
119 31.9 25.5 38.3



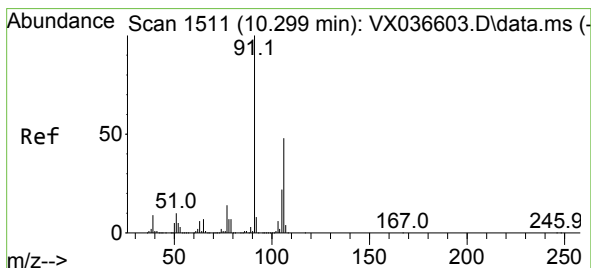
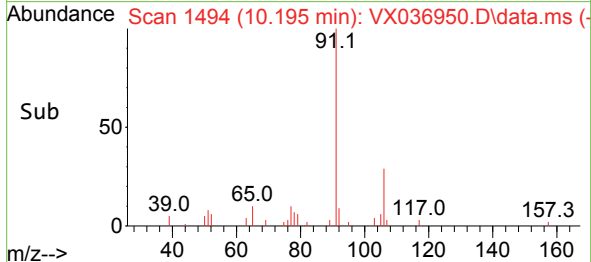
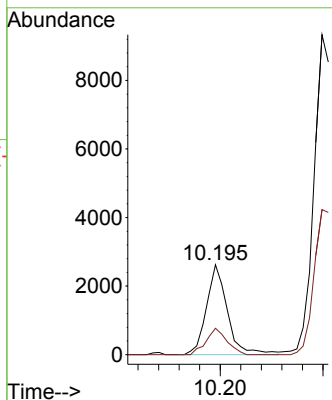


#67
Ethyl Benzene
Concen: 0.518 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX036950.D
Acq: 11 Aug 2023 18:51

Instrument :
MSVOA_X
ClientSampleId :

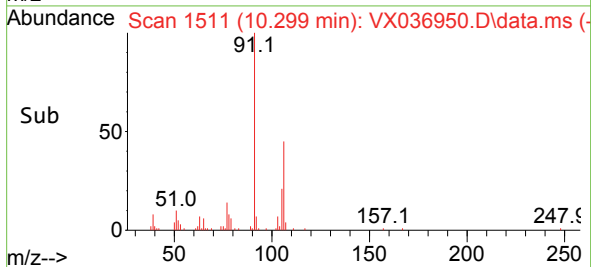
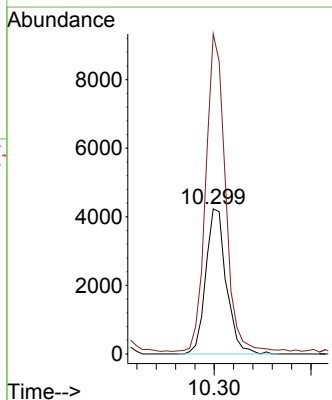
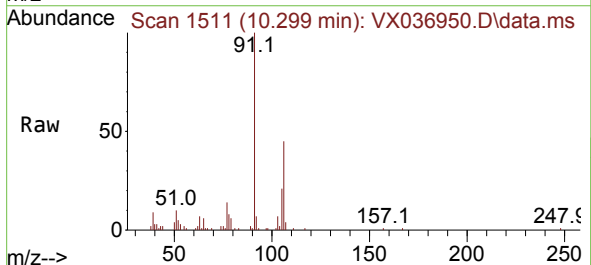


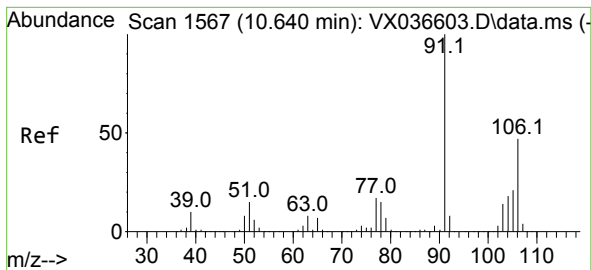
Tgt Ion: 91 Resp: 3728
Ion Ratio Lower Upper
91 100
106 29.4 24.9 37.3



#68
m/p-Xylenes
Concen: 2.321 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX036950.D
Acq: 11 Aug 2023 18:51

Tgt Ion: 106 Resp: 6239
Ion Ratio Lower Upper
106 100
91 210.9 165.5 248.3





#69

o-Xylene

Concen: 0.802 ug/l

RT: 10.647 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX036950.D

Acq: 11 Aug 2023 18:51

Instrument :

MSVOA_X

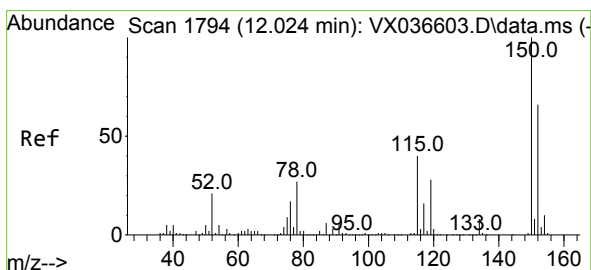
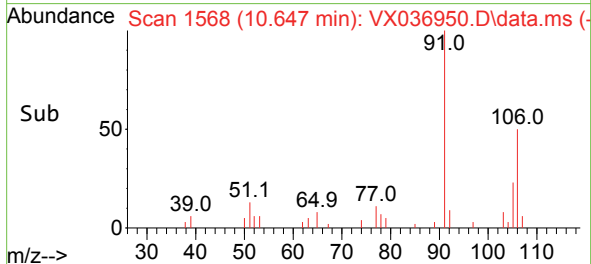
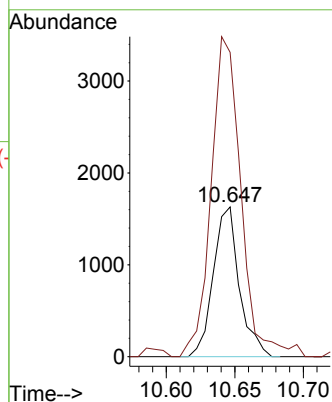
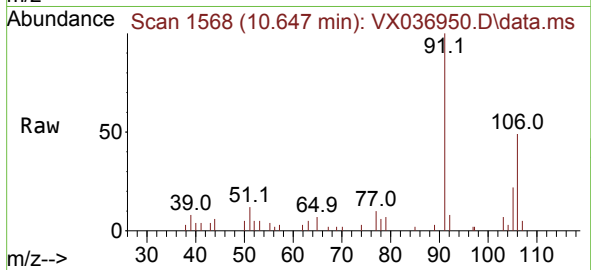
ClientSampleId :

Tgt Ion:106 Resp: 2151

Ion Ratio Lower Upper

106 100

91 245.4 108.9 326.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX036950.D

Acq: 11 Aug 2023 18:51

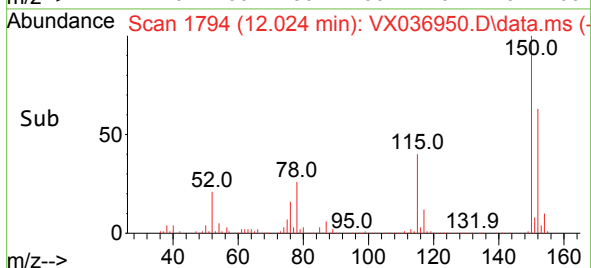
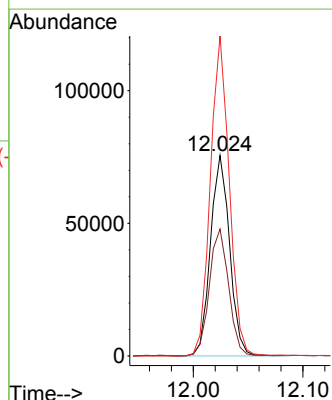
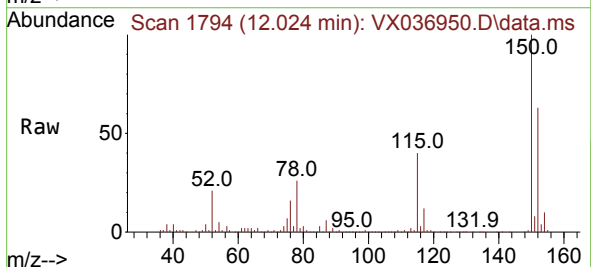
Tgt Ion:152 Resp: 91872

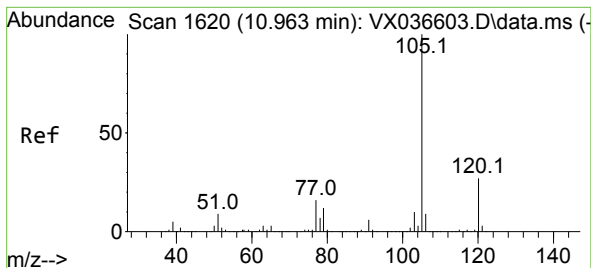
Ion Ratio Lower Upper

152 100

115 63.7 43.3 129.9

150 157.7 0.0 345.0





#73

Isopropylbenzene

Concen: 0.221 ug/l

RT: 10.945 min Scan# 1617

Delta R.T. -0.018 min

Lab File: VX036950.D

Acq: 11 Aug 2023 18:51

Instrument :

MSVOA_X

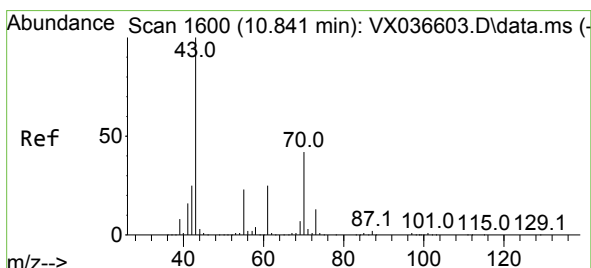
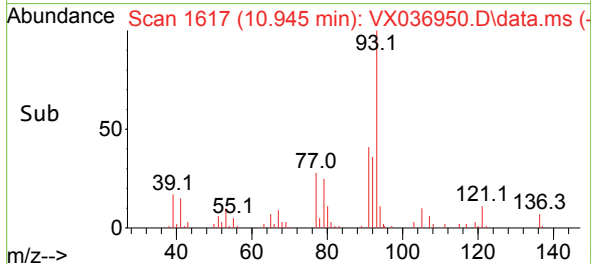
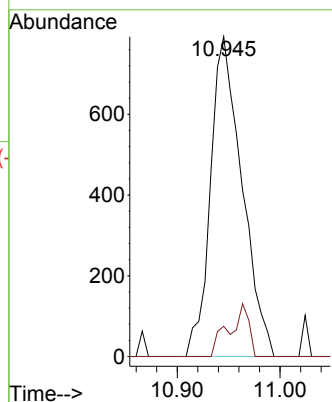
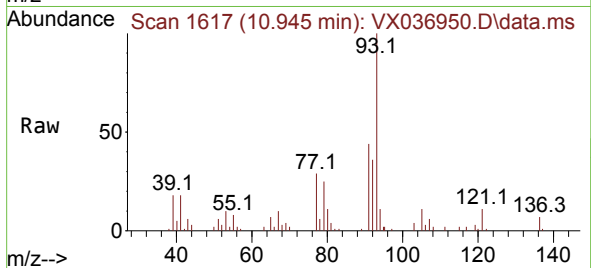
ClientSampleId :

Tgt Ion:105 Resp: 1684

Ion Ratio Lower Upper

105 100

120 10.4 12.9 38.6#



#74

N-ethyl acetate

Concen: 0.494 ug/l

RT: 10.866 min Scan# 1604

Delta R.T. 0.024 min

Lab File: VX036950.D

Acq: 11 Aug 2023 18:51

Tgt Ion: 43 Resp: 1753

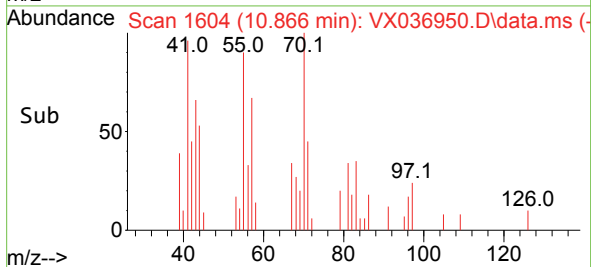
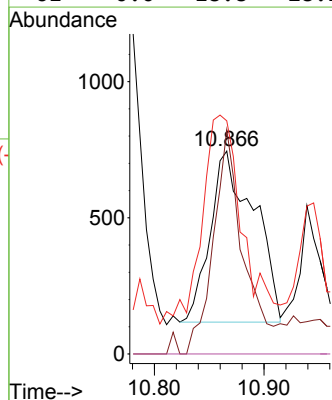
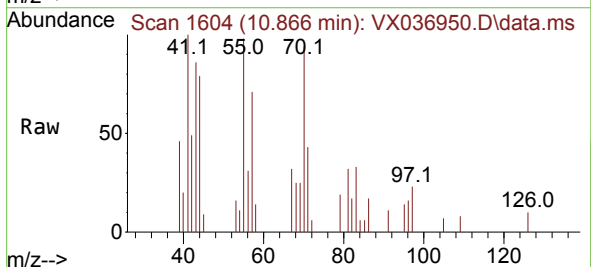
Ion Ratio Lower Upper

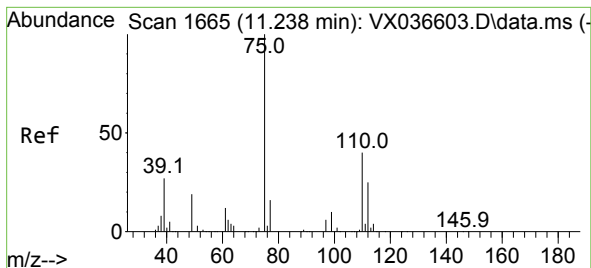
43 100

70 88.9 32.9 49.3#

55 111.1 19.3 28.9#

61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 22.482 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX036950.D

Acq: 11 Aug 2023 18:51

Instrument :

MSVOA_X

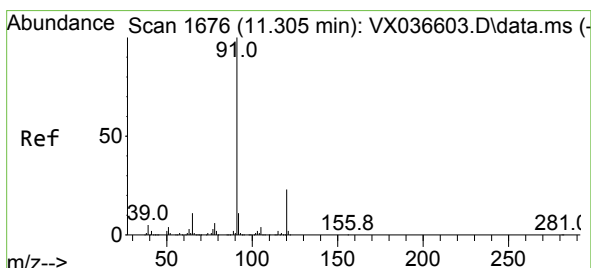
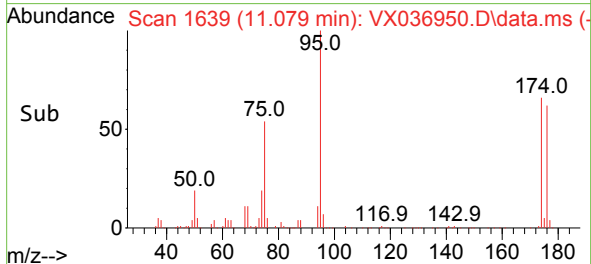
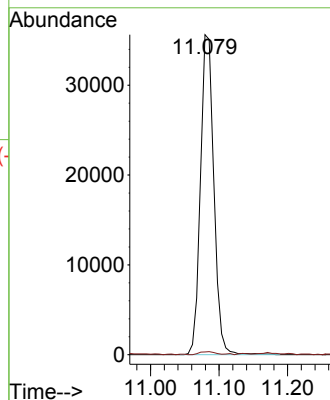
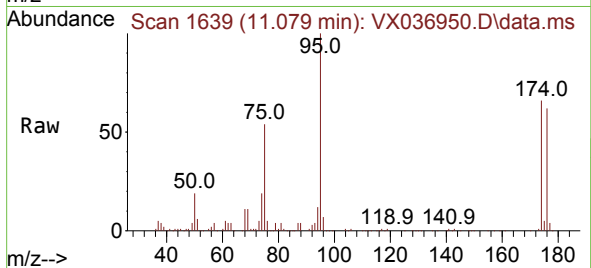
ClientSampleId :

Tgt Ion: 75 Resp: 48583

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#78

n-propylbenzene

Concen: 0.217 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX036950.D

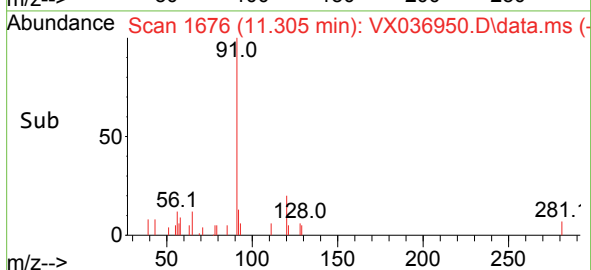
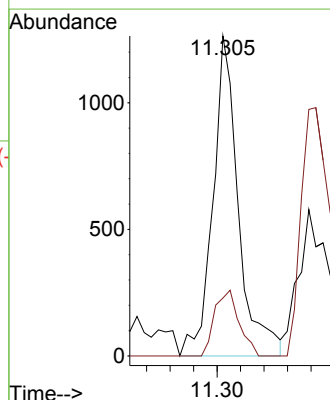
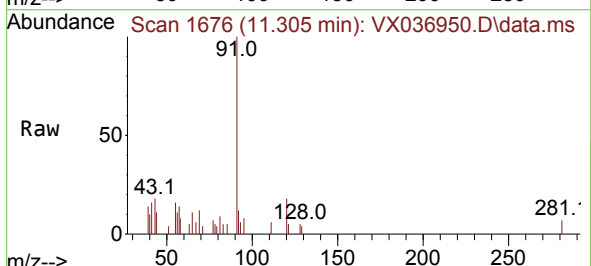
Acq: 11 Aug 2023 18:51

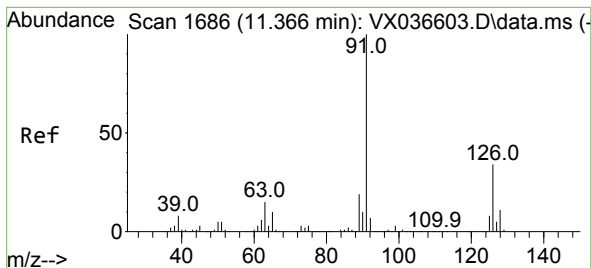
Tgt Ion: 91 Resp: 1904

Ion Ratio Lower Upper

91 100

120 19.7 11.5 34.4





#79

2-Chlorotoluene

Concen: 0.204 ug/l

RT: 11.378 min Scan# 1

Delta R.T. 0.012 min

Lab File: VX036950.D

Acq: 11 Aug 2023 18:51

Instrument :

MSVOA_X

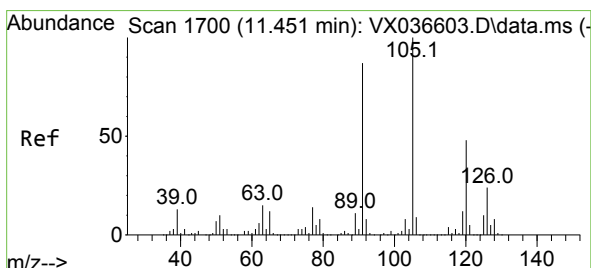
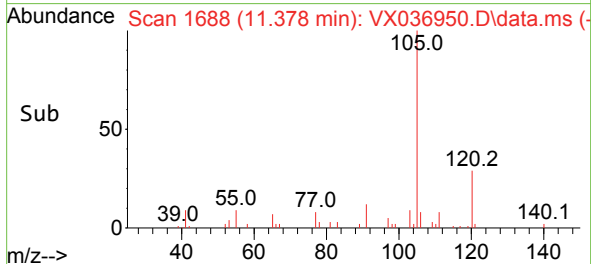
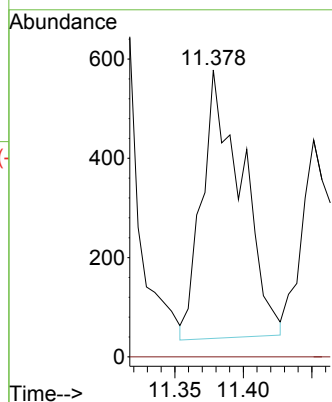
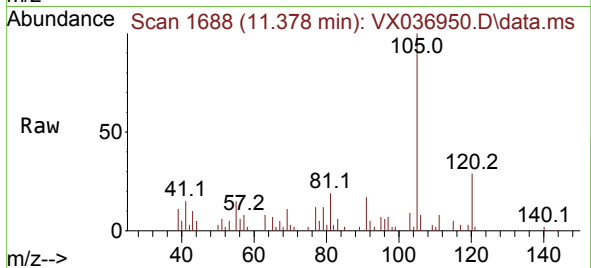
ClientSampleId :

Tgt Ion: 91 Resp: 1088

Ion Ratio Lower Upper

91 100

126 0.0 16.3 48.8#



#80

1,3,5-Trimethylbenzene

Concen: 0.502 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX036950.D

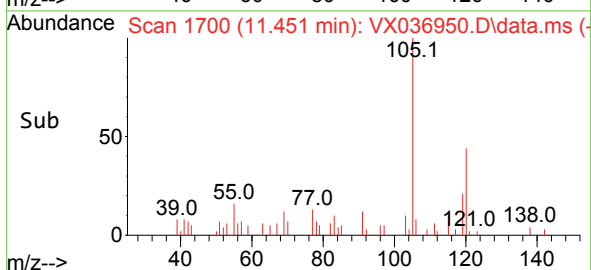
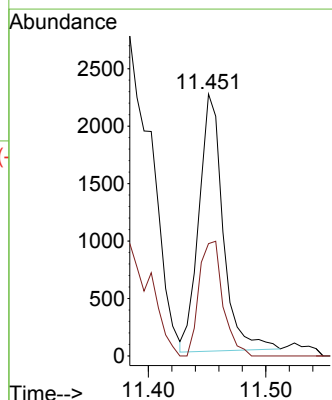
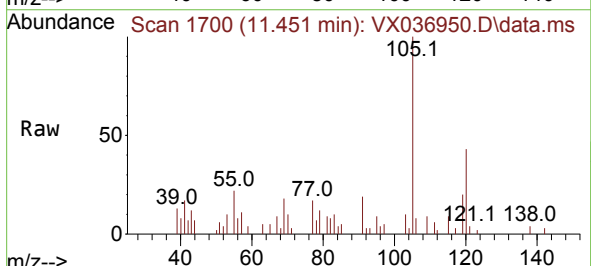
Acq: 11 Aug 2023 18:51

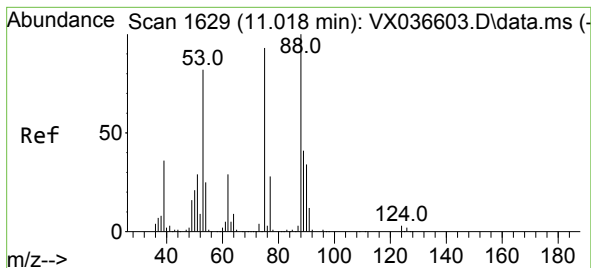
Tgt Ion: 105 Resp: 3196

Ion Ratio Lower Upper

105 100

120 43.9 24.1 72.3

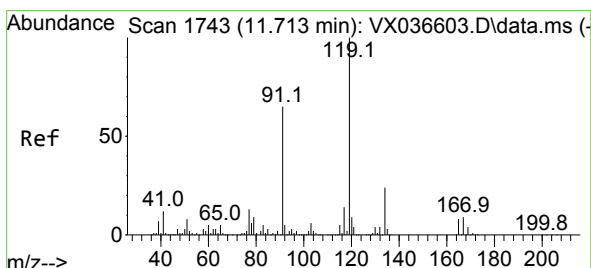
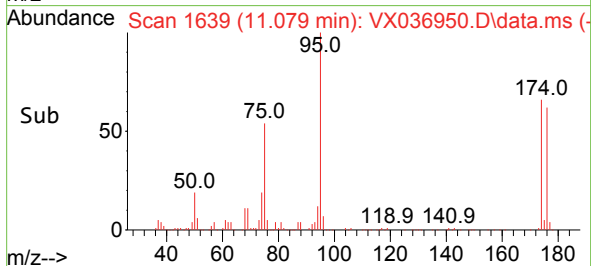
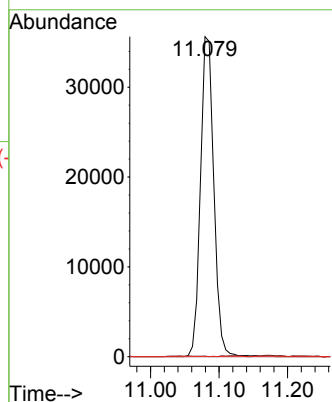
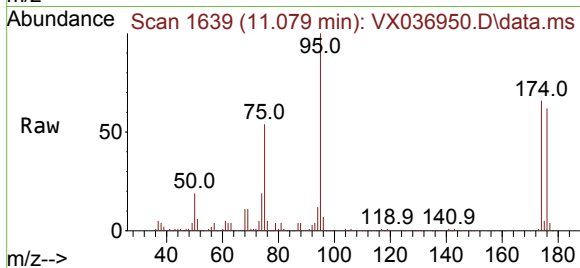




#81
trans-1,4-Dichloro-2-butene
Concen: 50.958 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX036950.D
Acq: 11 Aug 2023 18:51

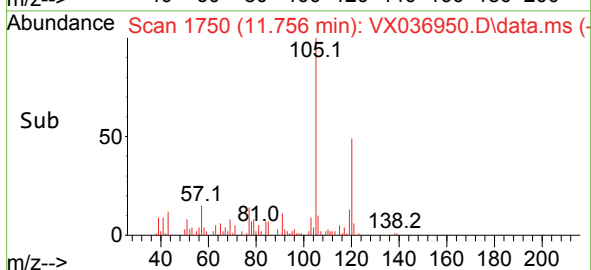
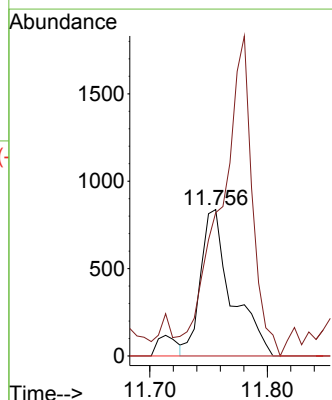
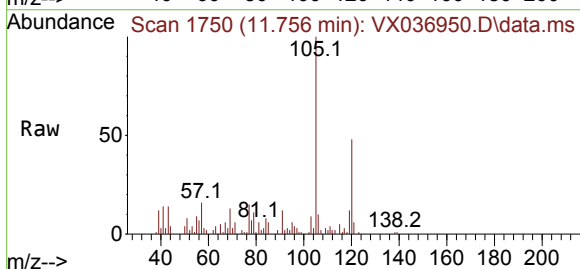
Instrument :
MSVOA_X
ClientSampleId :

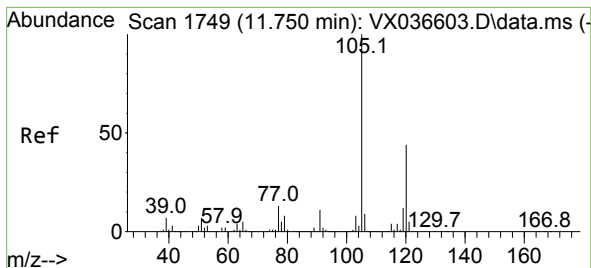
Tgt Ion: 75 Resp: 48583
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#83
tert-Butylbenzene
Concen: 0.247 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.043 min
Lab File: VX036950.D
Acq: 11 Aug 2023 18:51

Tgt Ion: 119 Resp: 1543
Ion Ratio Lower Upper
119 100
91 0.0 31.2 93.6#
134 0.0 11.7 35.0#





#84

1,2,4-Trimethylbenzene

Concen: 1.570 ug/l

RT: 11.756 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX036950.D

Acq: 11 Aug 2023 18:51

Instrument :

MSVOA_X

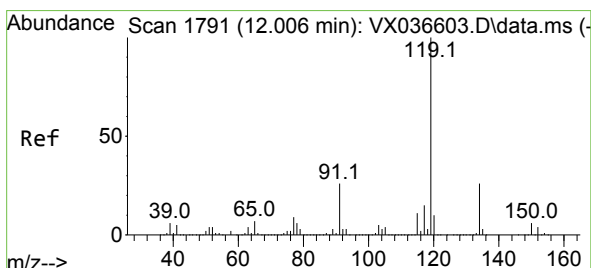
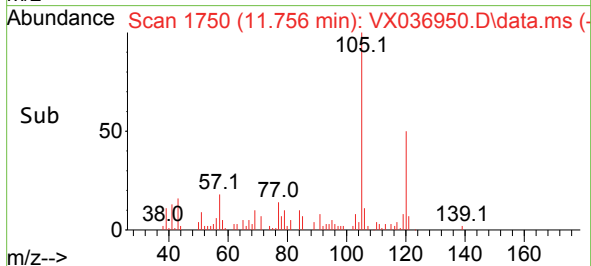
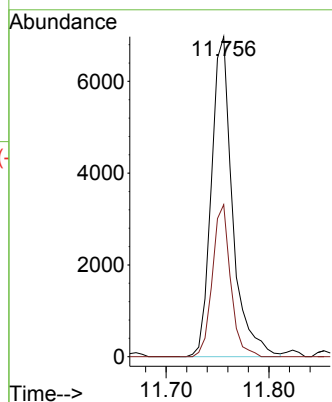
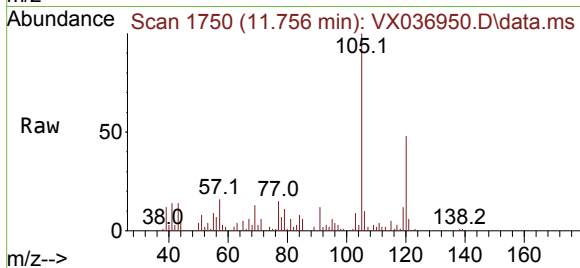
ClientSampleId :

Tgt Ion:105 Resp: 9984

Ion Ratio Lower Upper

105 100

120 40.8 21.2 63.6



#86

p-Isopropyltoluene

Concen: 1.017 ug/l

RT: 12.012 min Scan# 1792

Delta R.T. 0.006 min

Lab File: VX036950.D

Acq: 11 Aug 2023 18:51

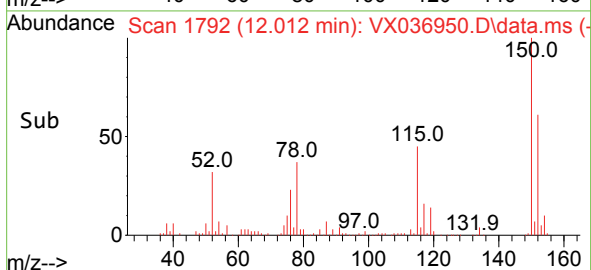
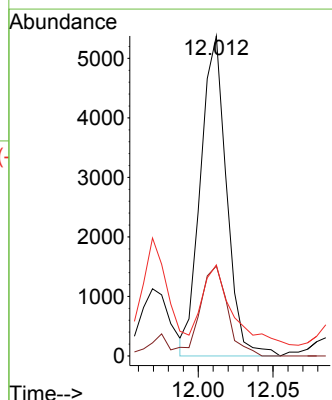
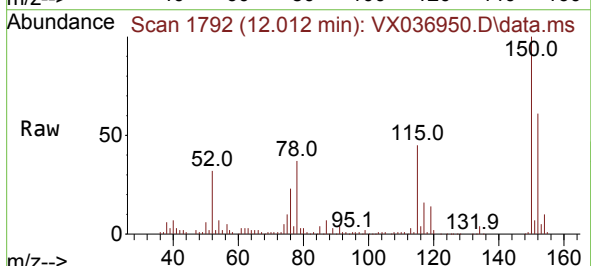
Tgt Ion:119 Resp: 6518

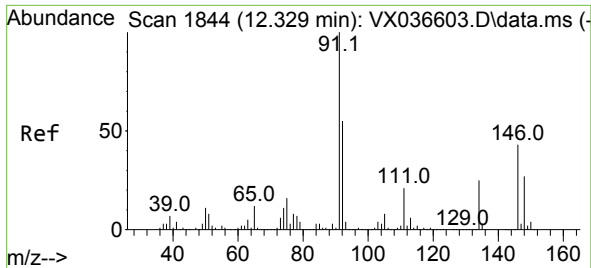
Ion Ratio Lower Upper

119 100

134 29.7 12.8 38.3

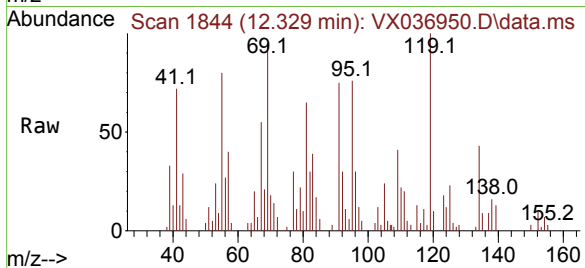
91 29.0 13.1 39.3



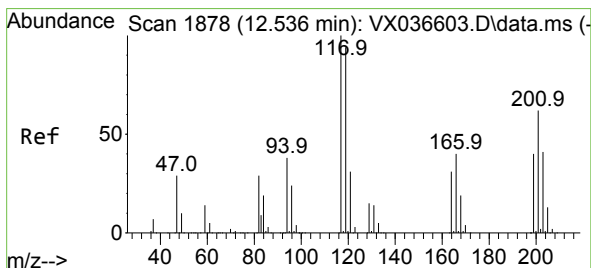
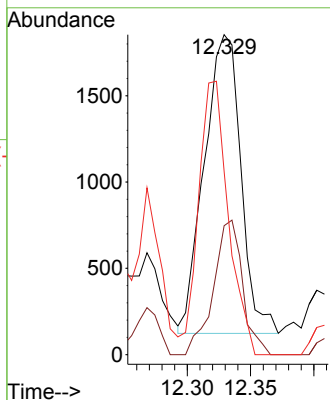
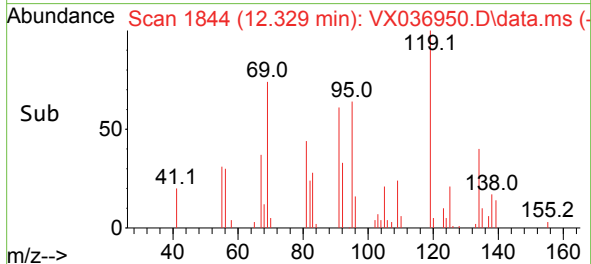


#89
n-Butylbenzene
Concen: 0.606 ug/l
RT: 12.329 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VX036950.D
Acq: 11 Aug 2023 18:51

Instrument :
MSVOA_X
ClientSampleId :

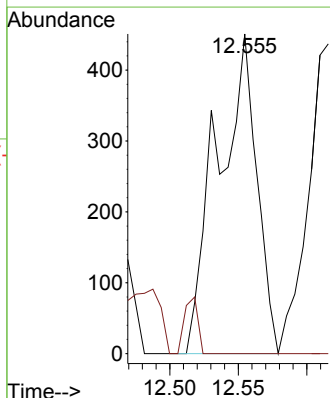
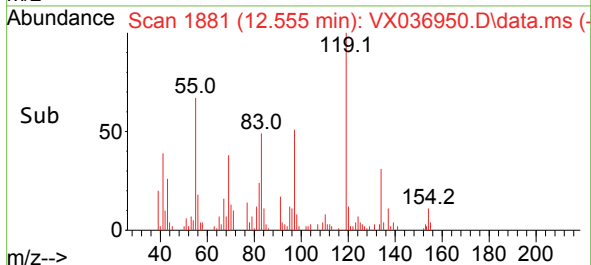
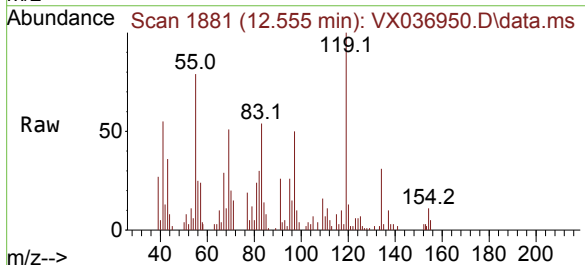


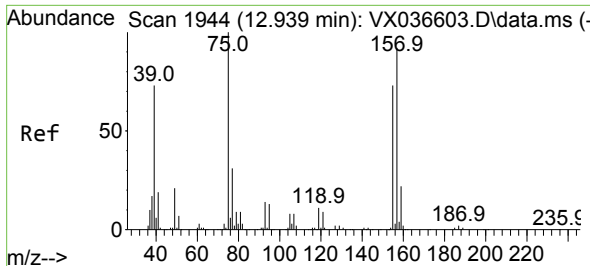
Tgt Ion: 91 Resp: 3477
Ion Ratio Lower Upper
91 100
92 35.8 27.4 82.0
134 74.4 12.6 37.8#



#90
Hexachloroethane
Concen: 0.689 ug/l
RT: 12.555 min Scan# 1881
Delta R.T. 0.018 min
Lab File: VX036950.D
Acq: 11 Aug 2023 18:51

Tgt Ion: 117 Resp: 896
Ion Ratio Lower Upper
117 100
201 0.0 32.9 98.6#

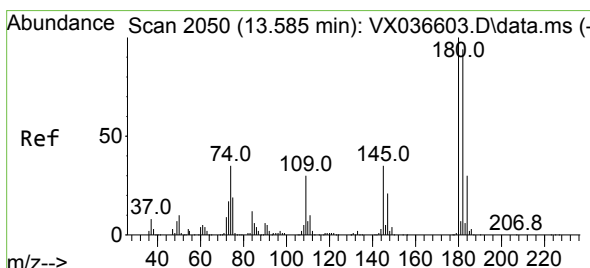
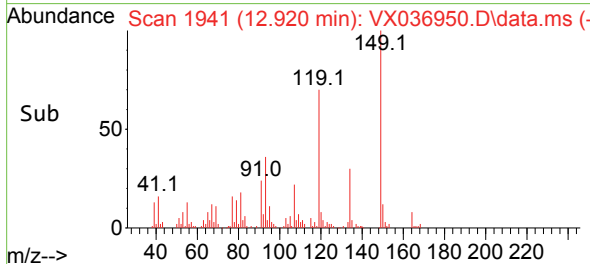
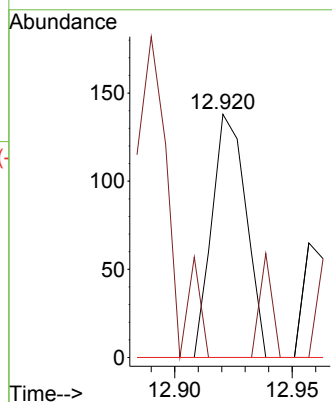
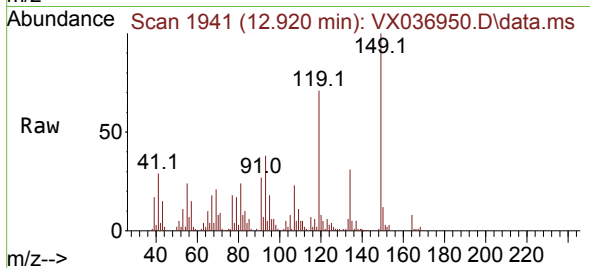




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.233 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.018 min
Lab File: VX036950.D
Acq: 11 Aug 2023 18:51

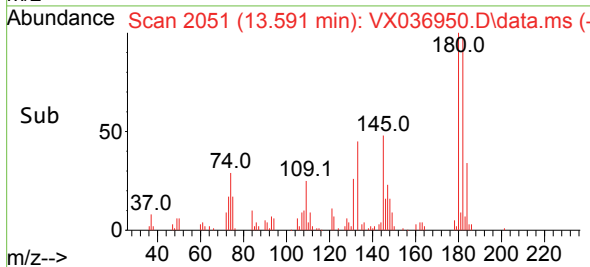
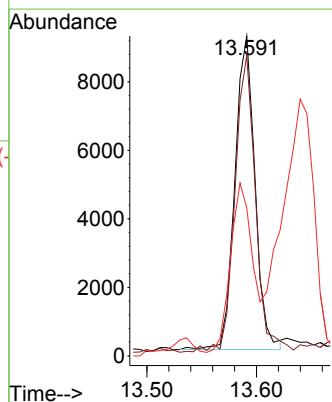
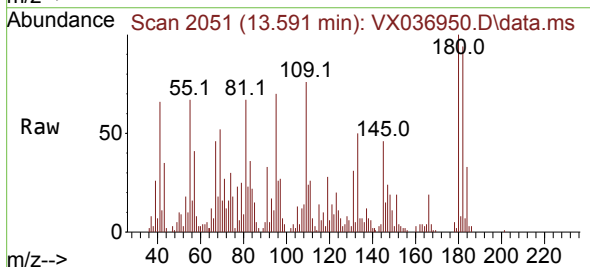
Instrument :
MSVOA_X
ClientSampleId :

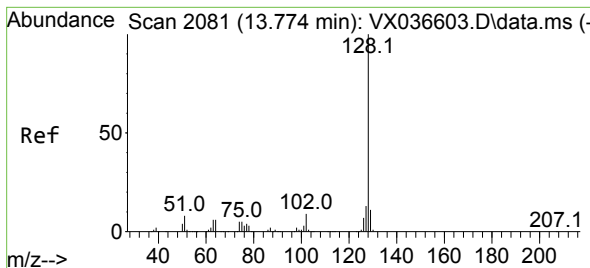
Tgt Ion: 75 Resp: 139
Ion Ratio Lower Upper
75 100
155 15.8 36.1 108.5#
157 0.0 44.9 134.7#



#93
1,2,4-Trichlorobenzene
Concen: 6.123 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX036950.D
Acq: 11 Aug 2023 18:51

Tgt Ion: 180 Resp: 11674
Ion Ratio Lower Upper
180 100
182 97.1 48.3 144.8
145 60.4 18.0 54.0#





#95

Naphthalene

Concen: 2.783 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX036950.D

Acq: 11 Aug 2023 18:51

Instrument :

MSVOA_X

ClientSampleId :

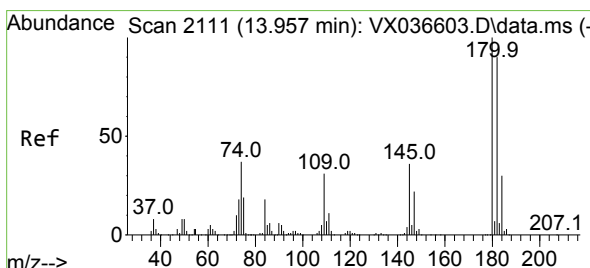
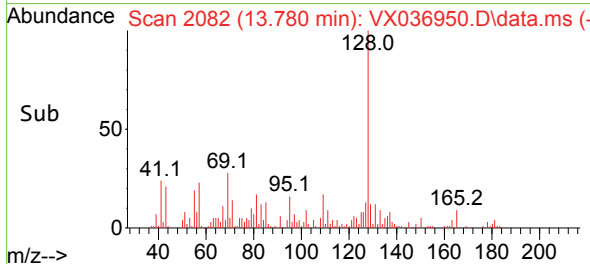
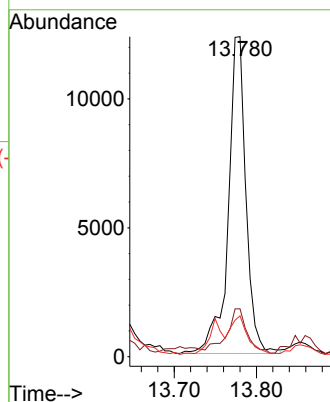
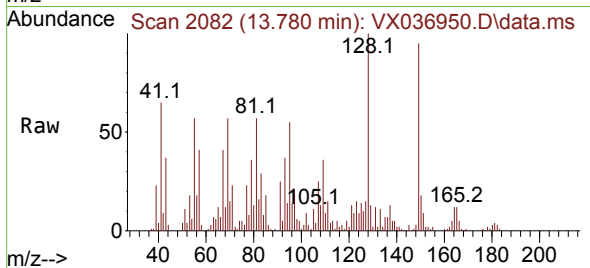
Tgt Ion:128 Resp: 18491

Ion Ratio Lower Upper

128 100

127 16.0 10.3 15.5#

129 11.2 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 0.728 ug/l

RT: 13.841 min Scan# 2092

Delta R.T. -0.116 min

Lab File: VX036950.D

Acq: 11 Aug 2023 18:51

Tgt Ion:180 Resp: 1368

Ion Ratio Lower Upper

180 100

182 50.1 46.9 140.6

145 42.5 17.8 53.5

