

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101023\
 Data File : VX038210.D
 Acq On : 10 Oct 2023 18:38
 Operator : JC/MD
 Sample : 04782-04DL 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-3-10-13DL

Quant Time: Oct 11 01:41:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

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

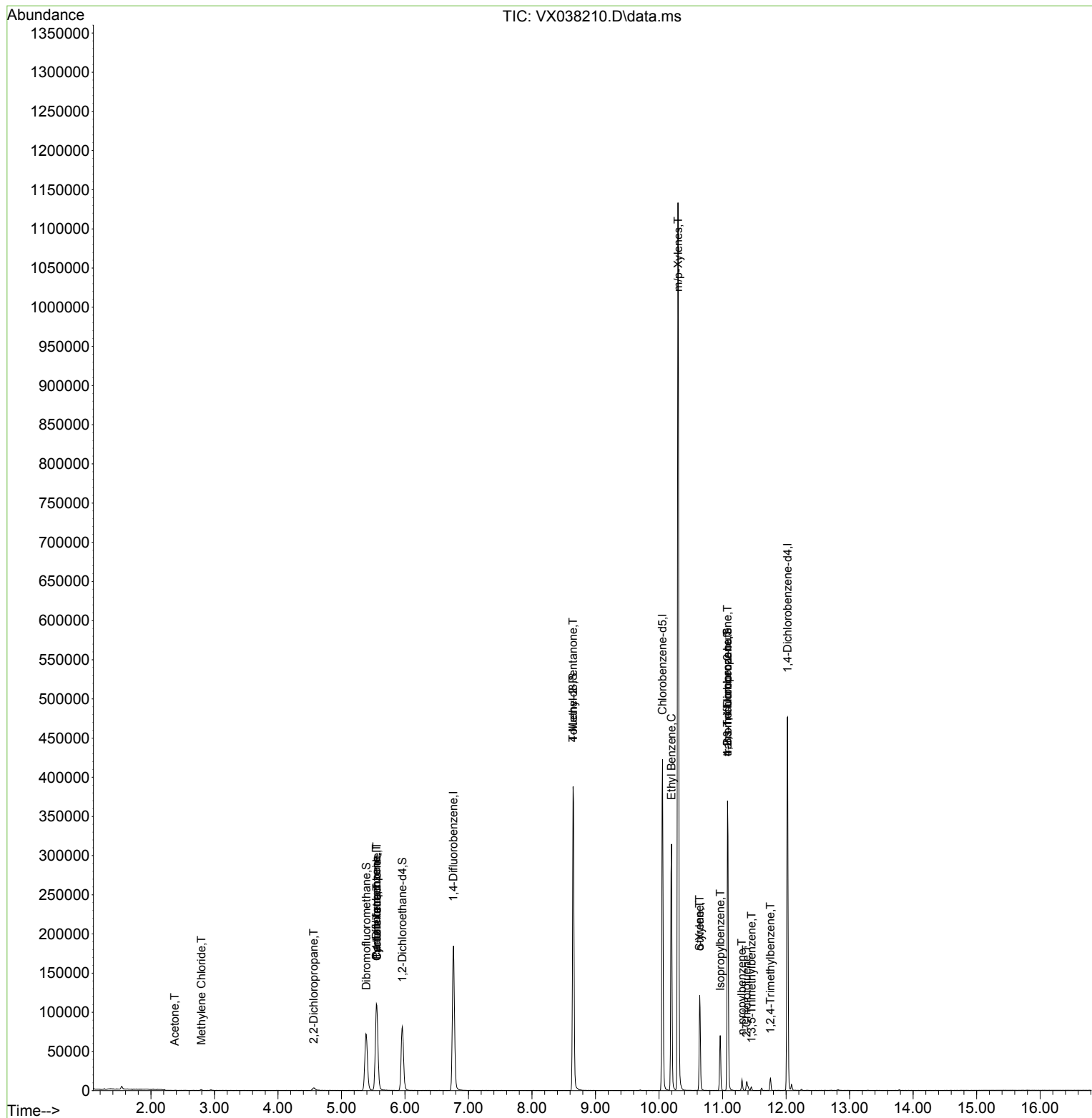
Internal Standards						
1) Pentafluorobenzene	5.550	168	103624	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	186726	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	188751	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99684	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	79328	47.595	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.200%
35) Dibromofluoromethane	5.391	113	62105	46.158	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.320%
50) Toluene-d8	8.647	98	234281	45.567	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.140%#
62) 4-Bromofluorobenzene	11.079	95	92505	47.459	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.920%
Target Compounds						
					Qvalue	
5) Bromomethane	1.575	94	19	Below Cal	#	3
6) Chloroethane	1.672	64	70	Below Cal	#	43
11) Tert butyl alcohol	2.940	59	578	Below Cal	#	78
16) Acetone	2.373	43	333	0.479	ug/l #	47
20) Methylene Chloride	2.794	84	548	0.419	ug/l	94
26) 2,2-Dichloropropane	4.562	77	347	0.206	ug/l #	54
31) Cyclohexane	5.556	56	2647	1.466	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	8748	4.715	ug/l #	51
38) Carbon Tetrachloride	5.556	117	10887	5.965	ug/l #	16
51) 4-Methyl-2-Pentanone	8.647	43	1067	0.470	ug/l #	1
67) Ethyl Benzene	10.195	91	180331	25.578	ug/l	98
68) m/p-Xylenes	10.299	106	252920	92.779	ug/l	99
69) o-Xylene	10.640	106	26147	9.827	ug/l	97
70) Styrene	10.640	104	1322	0.305	ug/l #	1
73) Isopropylbenzene	10.963	105	35454	5.303	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	51019	22.513	ug/l #	39
78) n-propylbenzene	11.305	91	9165	1.121	ug/l	96
79) 2-Chlorotoluene	11.378	91	1270	0.262	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.457	105	1965	0.341	ug/l	86
81) trans-1,4-Dichloro-2-b...	11.079	75	51019	64.467	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.756	105	7222	1.256	ug/l	96

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

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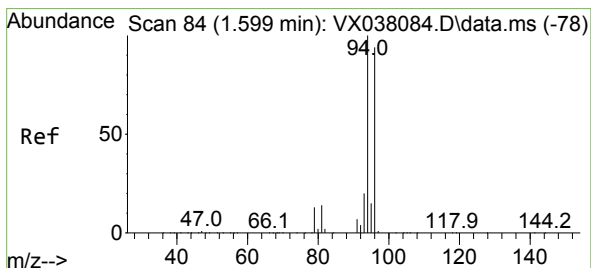
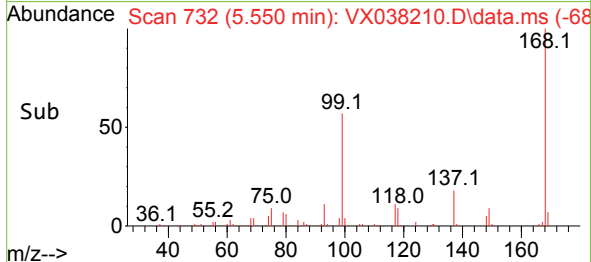
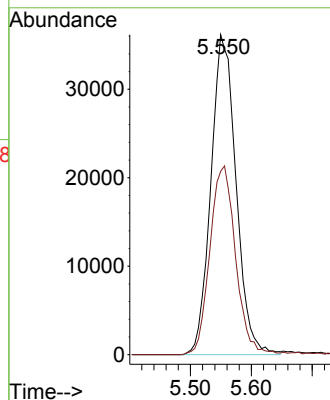
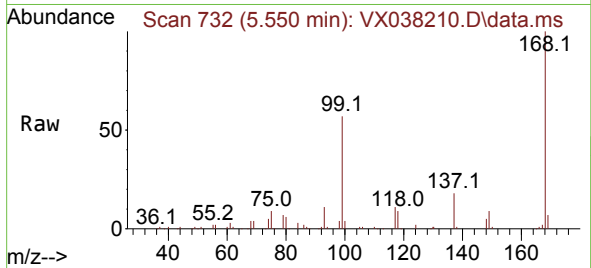




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX038210.D
Acq: 10 Oct 2023 18:38

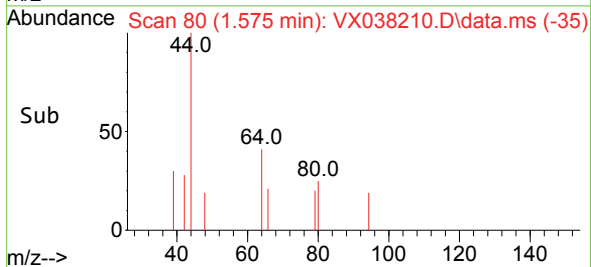
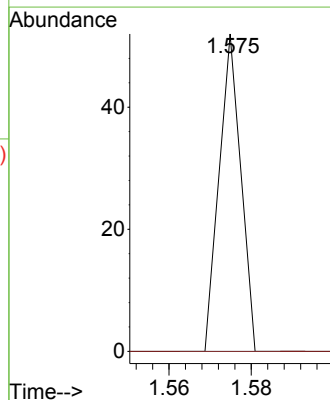
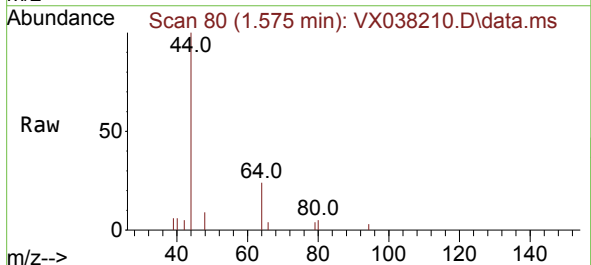
Instrument :
MSVOA_X
ClientSampleId :
GW-3-10-13DL

Tgt Ion:168 Resp: 103624
Ion Ratio Lower Upper
168 100
99 57.3 56.6 85.0



#5
Bromomethane
Concen: Below Cal
RT: 1.575 min Scan# 80
Delta R.T. -0.024 min
Lab File: VX038210.D
Acq: 10 Oct 2023 18:38

Tgt Ion: 94 Resp: 19
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#

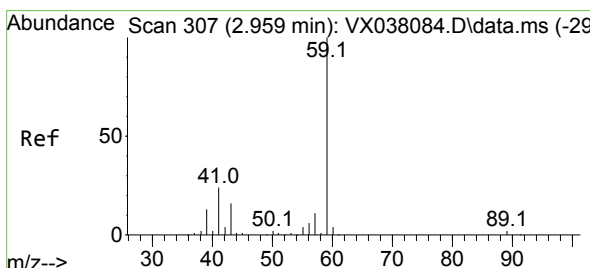
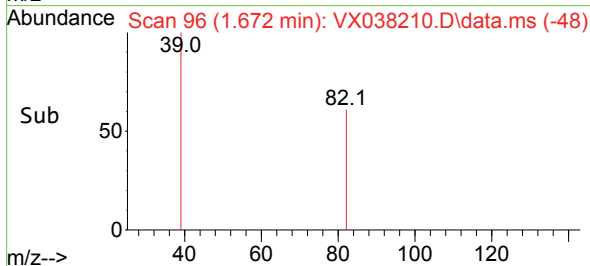
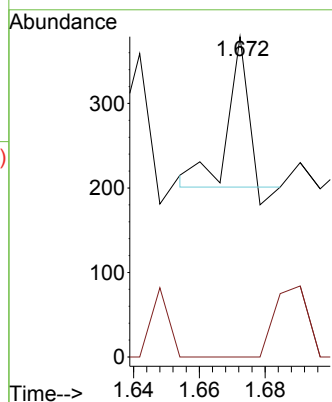
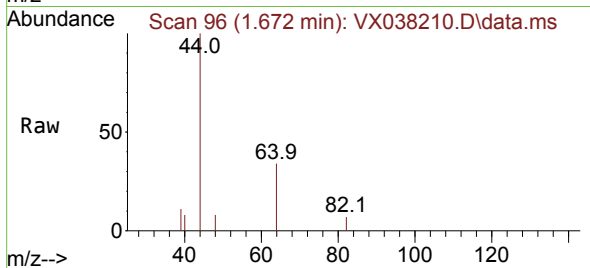




#6
Chloroethane
Concen: Below Cal
RT: 1.672 min Scan# 91
Delta R.T. -0.007 min
Lab File: VX038210.D
Acq: 10 Oct 2023 18:38

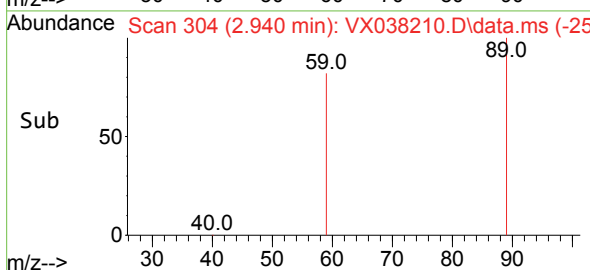
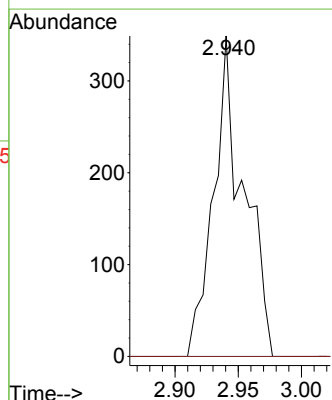
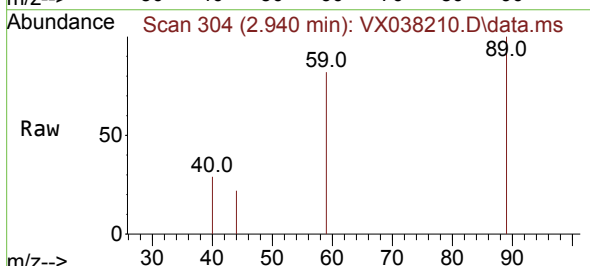
Instrument :
MSVOA_X
ClientSampleId :
GW-3-10-13DL

Tgt Ion: 64 Resp: 70
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.940 min Scan# 304
Delta R.T. -0.019 min
Lab File: VX038210.D
Acq: 10 Oct 2023 18:38

Tgt Ion: 59 Resp: 578
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#16

Acetone

Concen: 0.479 ug/l

RT: 2.373 min Scan# 21

Delta R.T. -0.007 min

Lab File: VX038210.D

Acq: 10 Oct 2023 18:38

Instrument :

MSVOA_X

ClientSampleId :

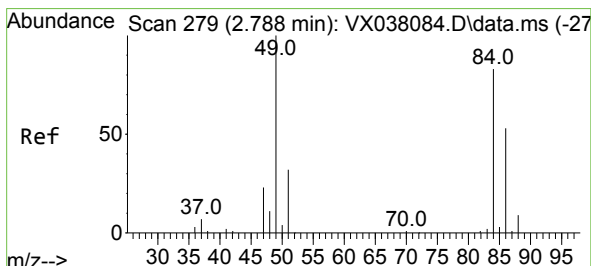
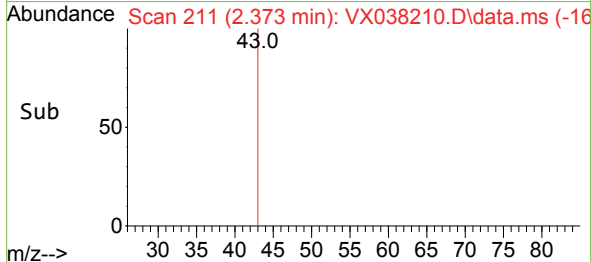
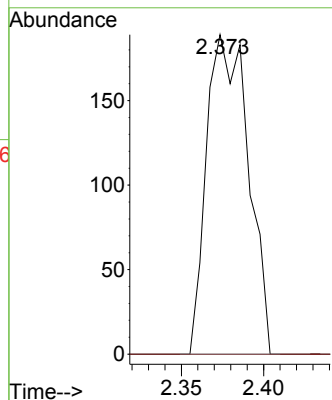
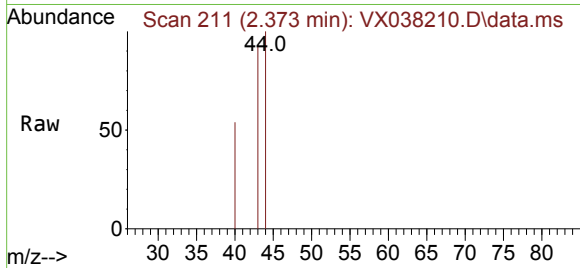
GW-3-10-13DL

Tgt Ion: 43 Resp: 333

Ion Ratio Lower Upper

43 100

58 0.0 21.9 32.9#



#20

Methylene Chloride

Concen: 0.419 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX038210.D

Acq: 10 Oct 2023 18:38

Tgt Ion: 84 Resp: 548

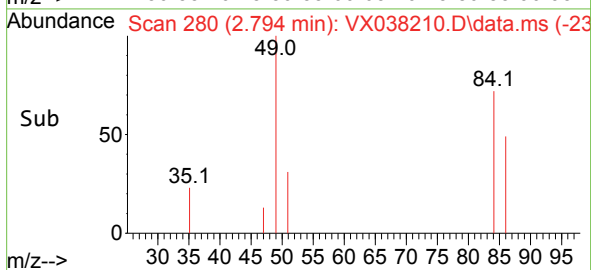
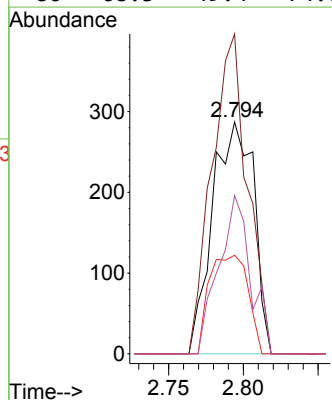
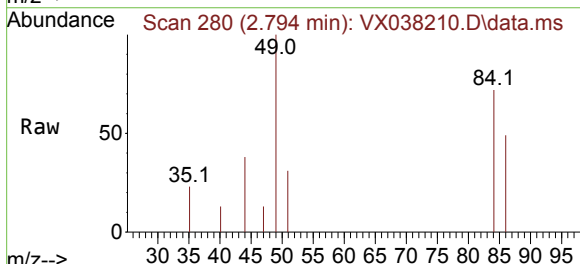
Ion Ratio Lower Upper

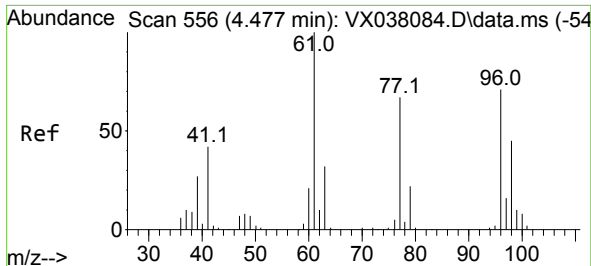
84 100

49 138.0 103.6 155.4

51 42.5 33.8 50.6

86 68.3 49.4 74.0





#26

2,2-Dichloropropane

Concen: 0.206 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.085 min

Lab File: VX038210.D

Acq: 10 Oct 2023 18:38

Instrument :

MSVOA_X

ClientSampleId :

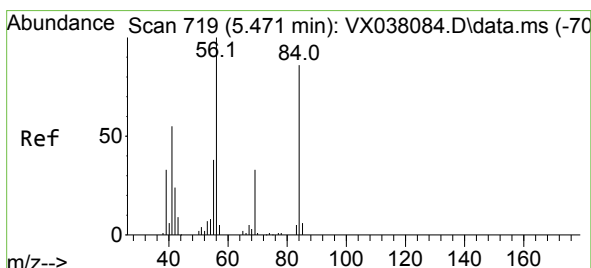
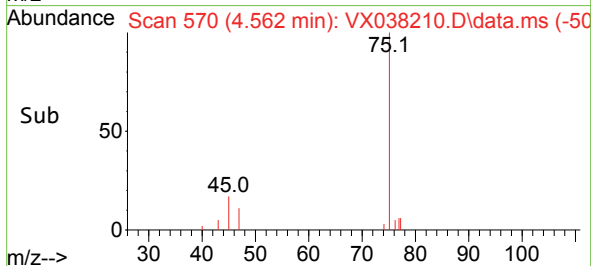
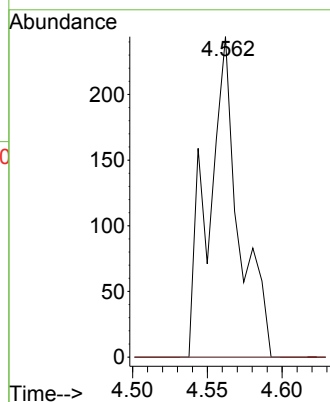
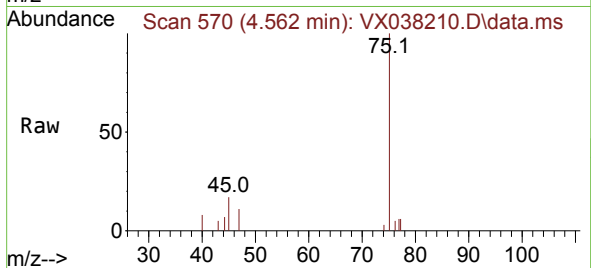
GW-3-10-13DL

Tgt Ion: 77 Resp: 347

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.3#



#31

Cyclohexane

Concen: 1.466 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX038210.D

Acq: 10 Oct 2023 18:38

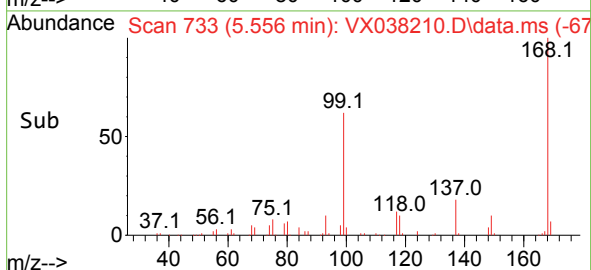
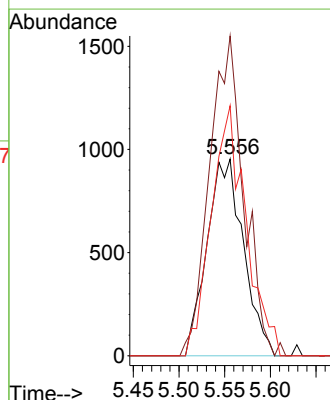
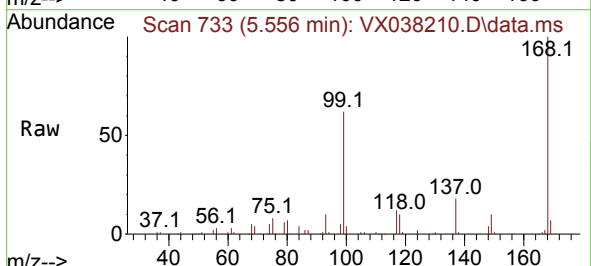
Tgt Ion: 56 Resp: 2647

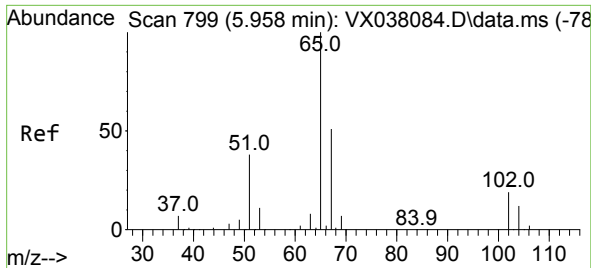
Ion Ratio Lower Upper

56 100

69 162.5 23.4 35.2#

84 127.0 65.9 98.9#

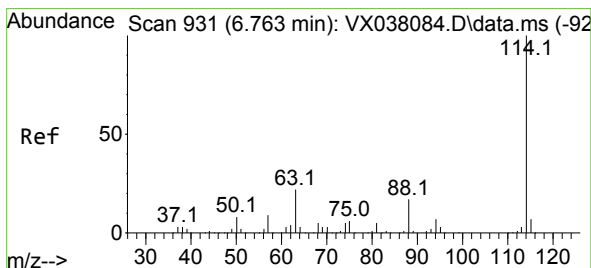
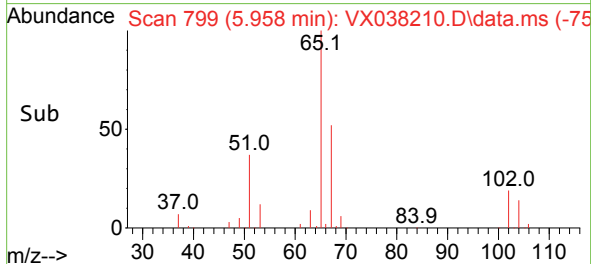
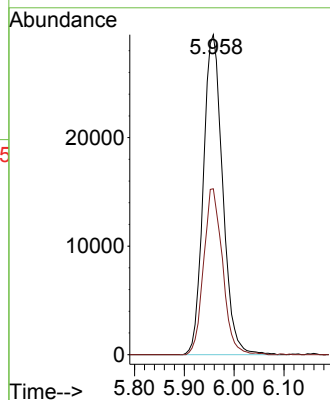
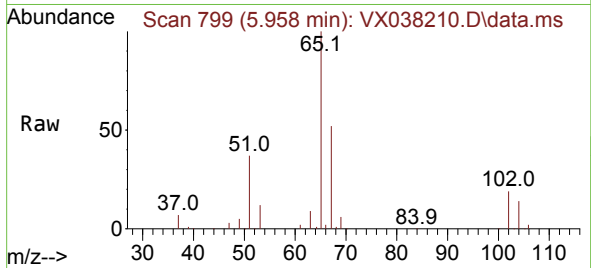




#33
1,2-Dichloroethane-d4
Concen: 47.595 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038210.D
Acq: 10 Oct 2023 18:38

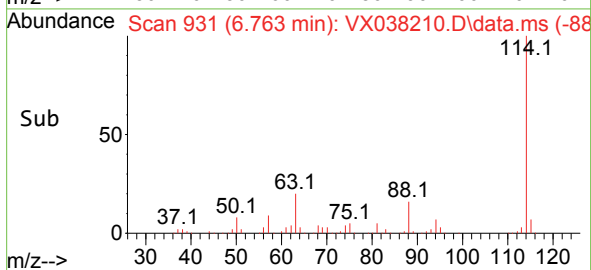
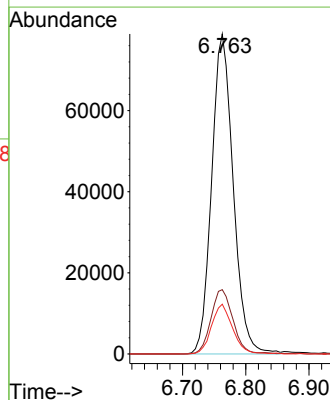
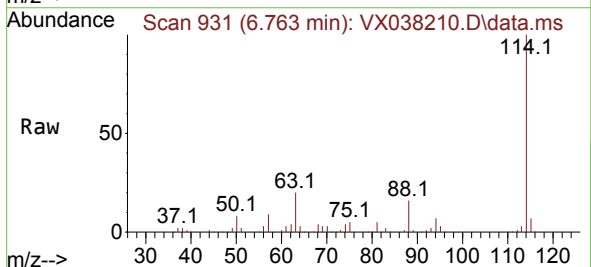
Instrument :
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ClientSampleId :
GW-3-10-13DL

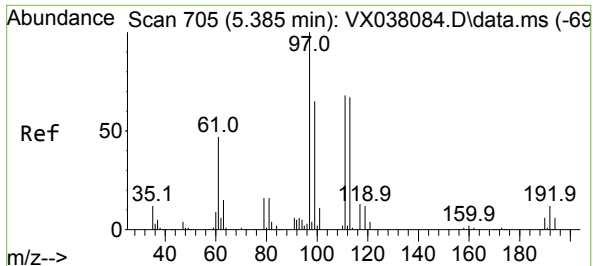
Tgt Ion: 65 Resp: 79328
Ion Ratio Lower Upper
65 100
67 50.9 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX038210.D
Acq: 10 Oct 2023 18:38

Tgt Ion:114 Resp: 186726
Ion Ratio Lower Upper
114 100
63 20.1 0.0 45.0
88 15.5 0.0 36.6

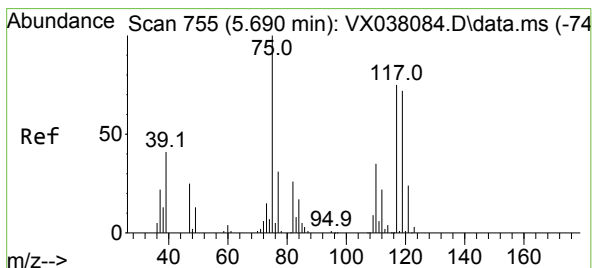
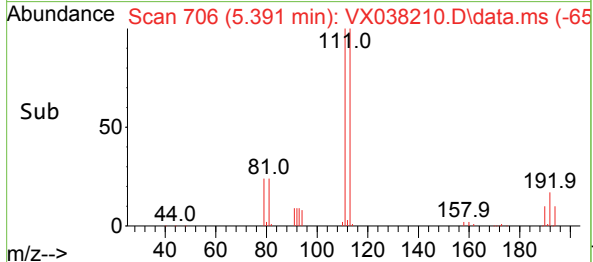
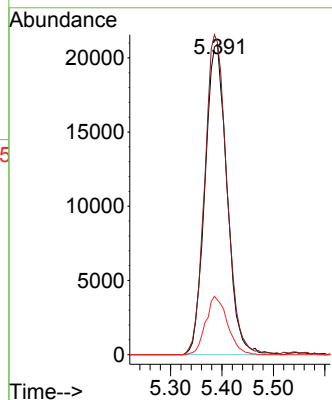
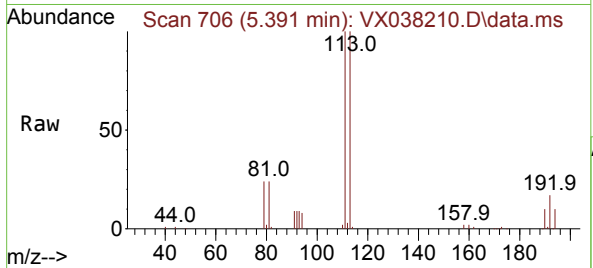




#35
Dibromofluoromethane
Concen: 46.158 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX038210.D
Acq: 10 Oct 2023 18:38

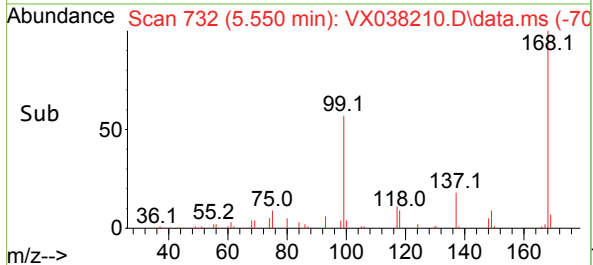
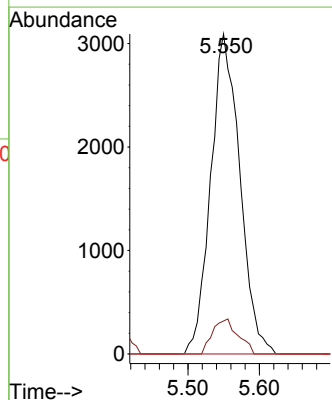
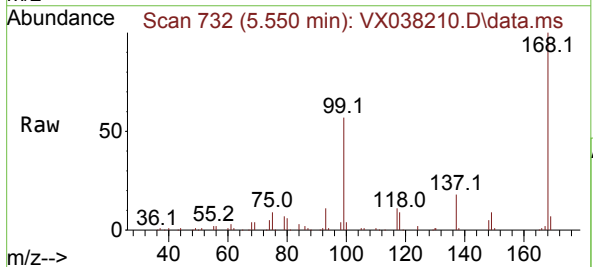
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MSVOA_X
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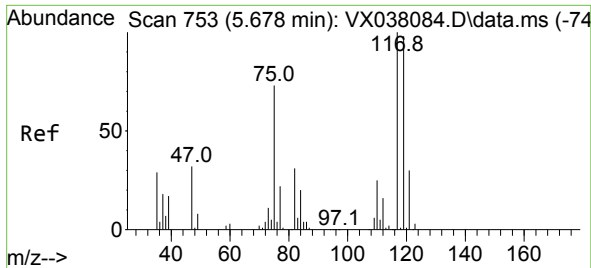
Tgt Ion:113 Resp: 62105
Ion Ratio Lower Upper
113 100
111 104.0 82.9 124.3
192 18.6 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.715 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX038210.D
Acq: 10 Oct 2023 18:38

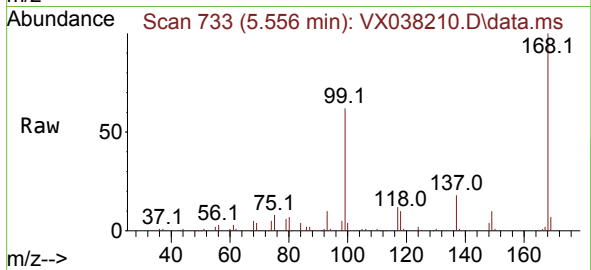
Tgt Ion: 75 Resp: 8748
Ion Ratio Lower Upper
75 100
110 9.5 17.0 50.9#
77 0.0 24.7 37.1#



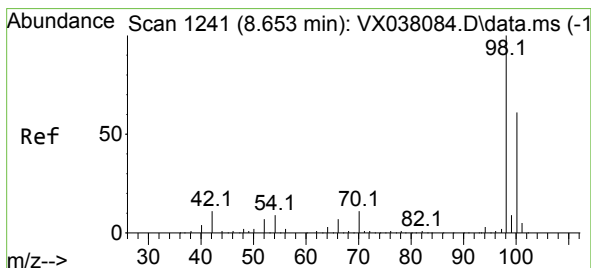
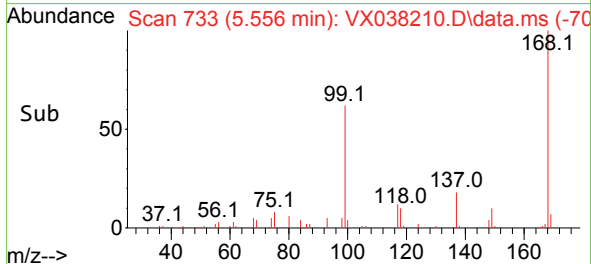
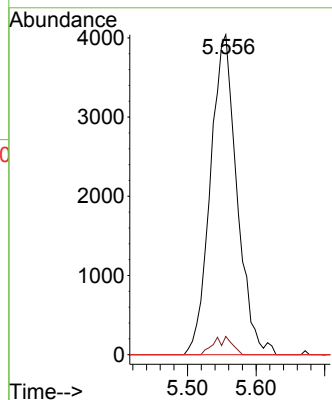


#38
Carbon Tetrachloride
Concen: 5.965 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX038210.D
Acq: 10 Oct 2023 18:38

Instrument :
MSVOA_X
ClientSampleId :
GW-3-10-13DL

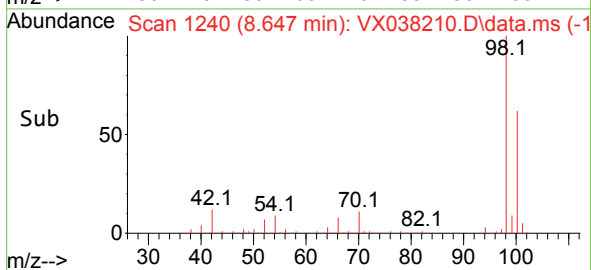
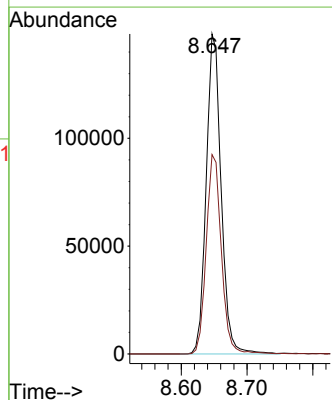
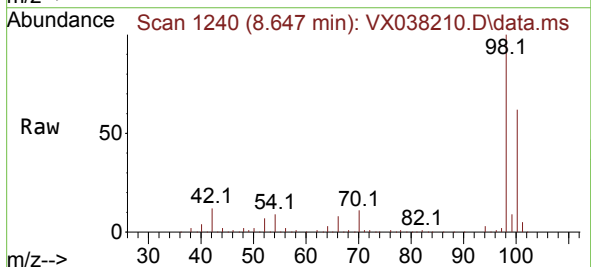


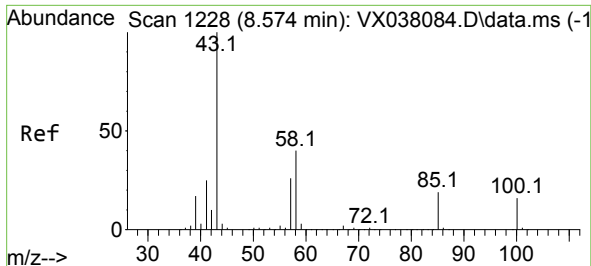
Tgt Ion:117 Resp: 10887
Ion Ratio Lower Upper
117 100
119 5.7 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 45.567 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX038210.D
Acq: 10 Oct 2023 18:38

Tgt Ion: 98 Resp: 234281
Ion Ratio Lower Upper
98 100
100 63.1 53.1 79.7

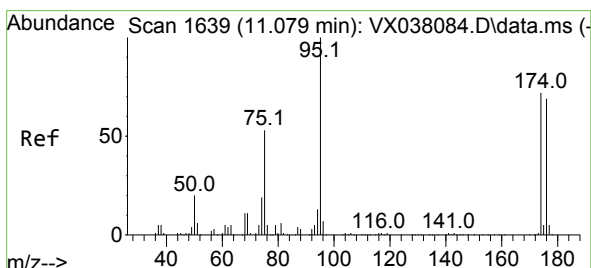
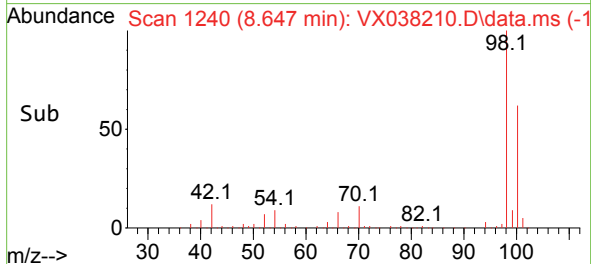
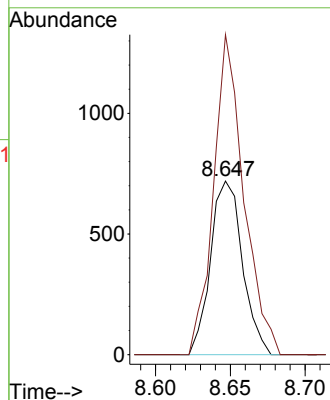
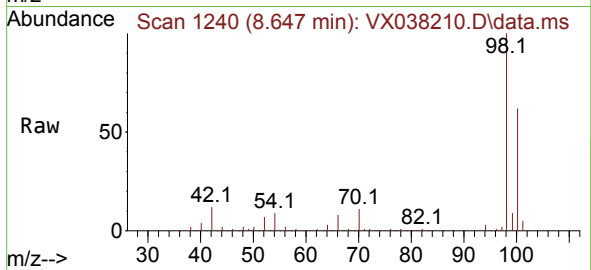




#51
4-Methyl-2-Pentanone
Concen: 0.470 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX038210.D
Acq: 10 Oct 2023 18:38

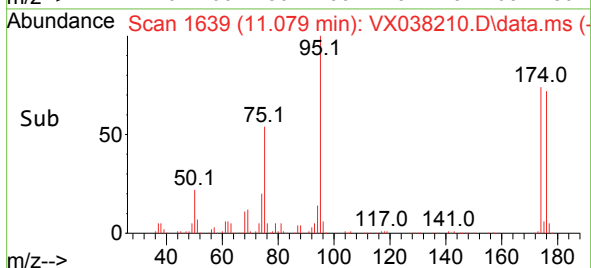
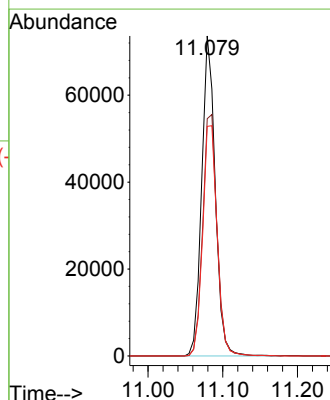
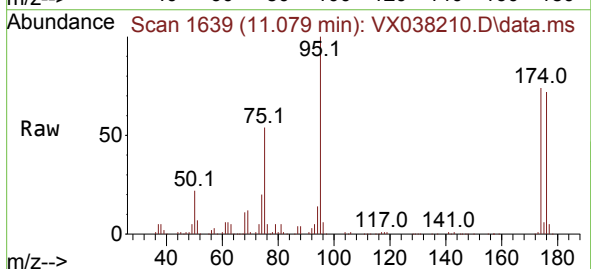
Instrument :
MSVOA_X
ClientSampleId :
GW-3-10-13DL

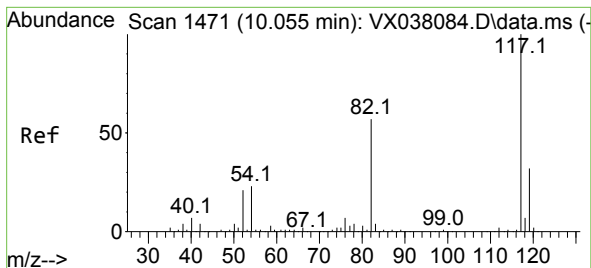
Tgt Ion: 43 Resp: 1067
Ion Ratio Lower Upper
43 100
58 174.9 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 47.459 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038210.D
Acq: 10 Oct 2023 18:38

Tgt Ion: 95 Resp: 92505
Ion Ratio Lower Upper
95 100
174 80.1 0.0 135.6
176 77.2 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: VX038210.D

Acq: 10 Oct 2023 18:38

Instrument :

MSVOA_X

ClientSampleId :

GW-3-10-13DL

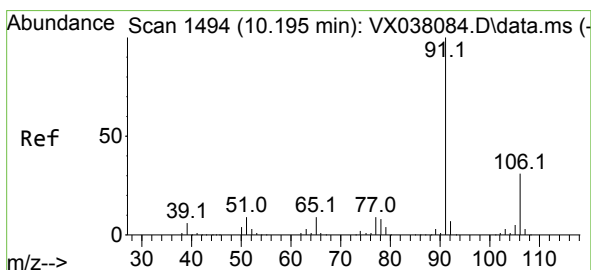
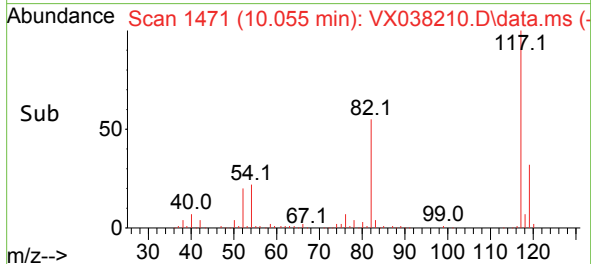
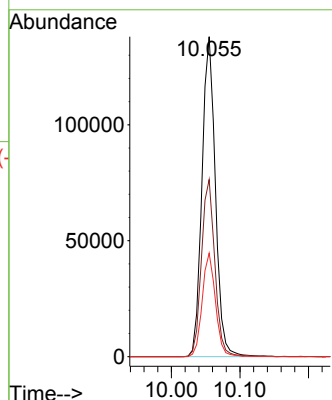
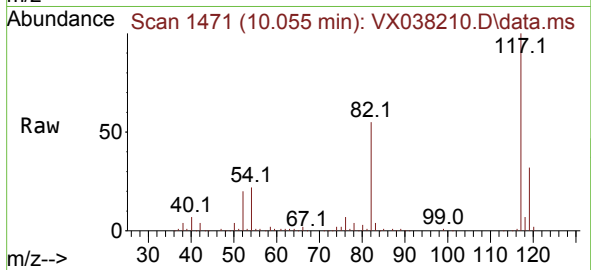
Tgt Ion:117 Resp: 188751

Ion Ratio Lower Upper

117 100

82 55.3 46.2 69.4

119 32.3 25.5 38.3



#67

Ethyl Benzene

Concen: 25.578 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX038210.D

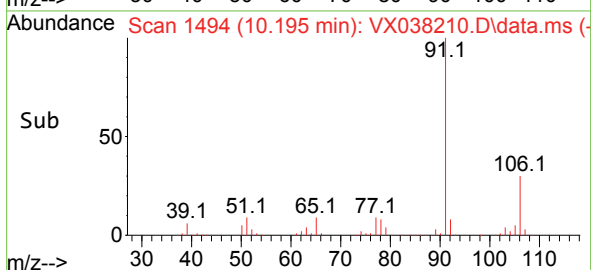
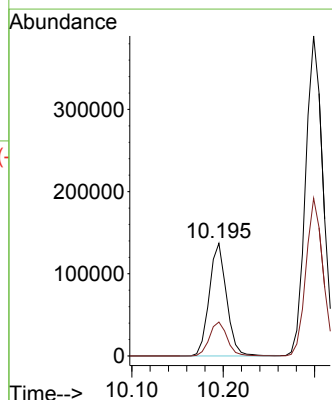
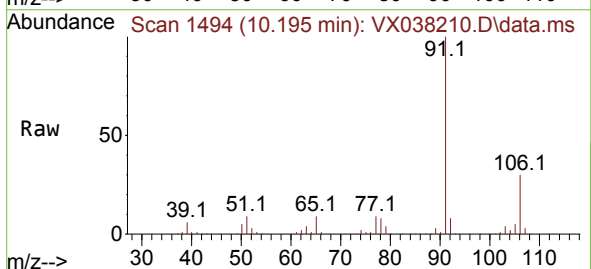
Acq: 10 Oct 2023 18:38

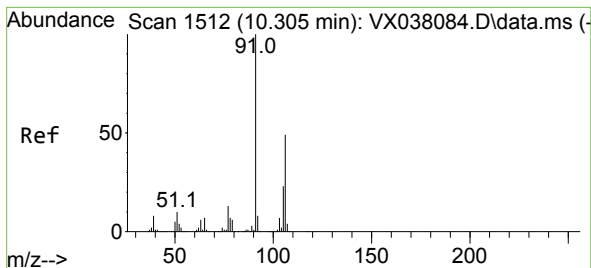
Tgt Ion: 91 Resp: 180331

Ion Ratio Lower Upper

91 100

106 30.1 24.9 37.3

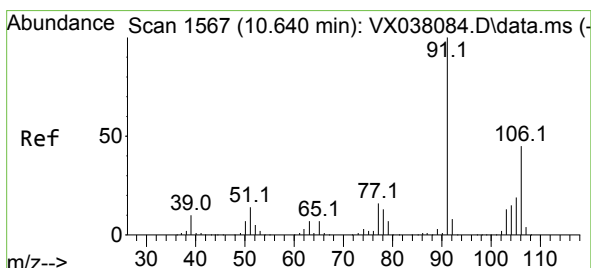
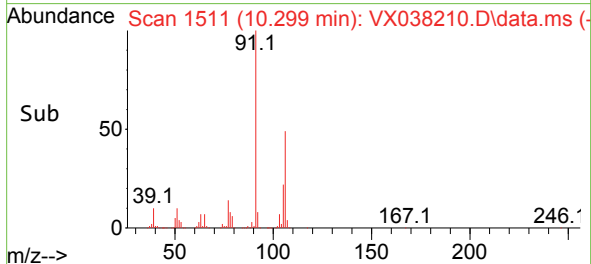
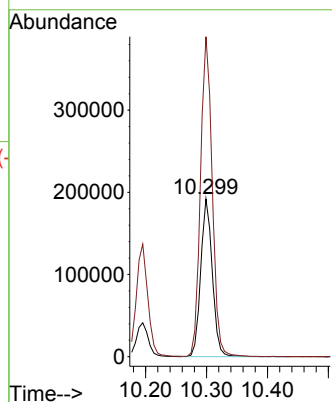
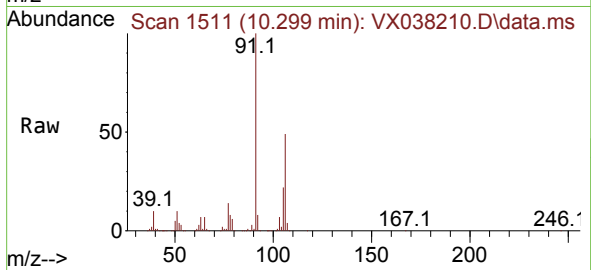




#68
m/p-Xylenes
Concen: 92.779 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX038210.D
Acq: 10 Oct 2023 18:38

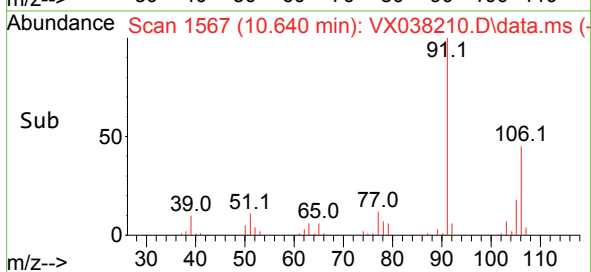
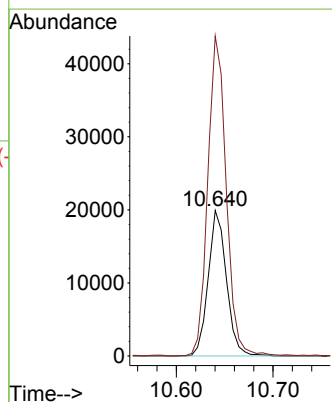
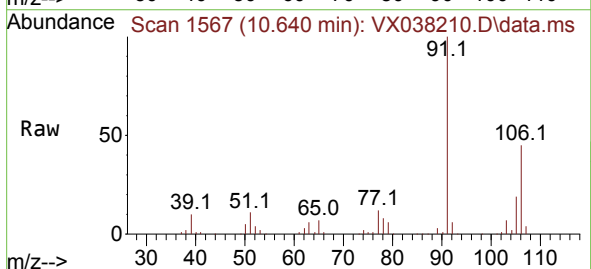
Instrument :
MSVOA_X
ClientSampleId :
GW-3-10-13DL

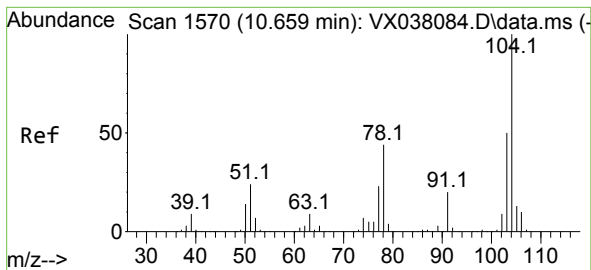
Tgt Ion:106 Resp: 252920
Ion Ratio Lower Upper
106 100
91 205.6 165.5 248.3



#69
o-Xylene
Concen: 9.827 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX038210.D
Acq: 10 Oct 2023 18:38

Tgt Ion:106 Resp: 26147
Ion Ratio Lower Upper
106 100
91 222.7 108.9 326.8





#70

Styrene

Concen: 0.305 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.019 min

Lab File: VX038210.D

Acq: 10 Oct 2023 18:38

Instrument :

MSVOA_X

ClientSampleId :

GW-3-10-13DL

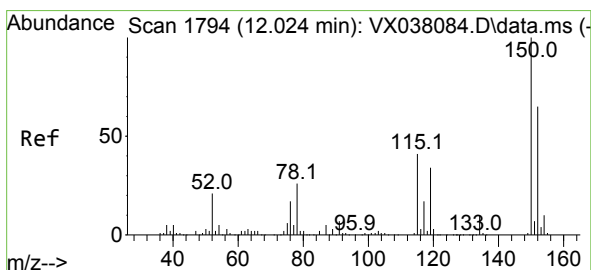
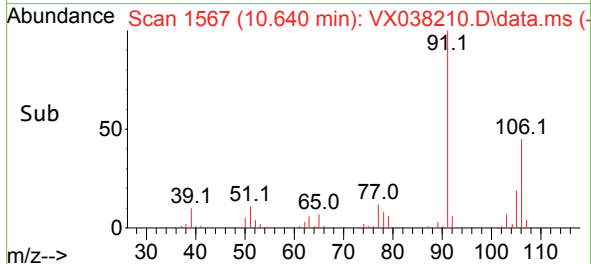
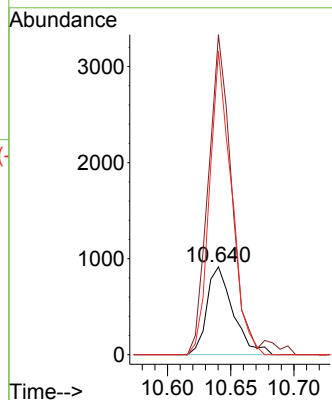
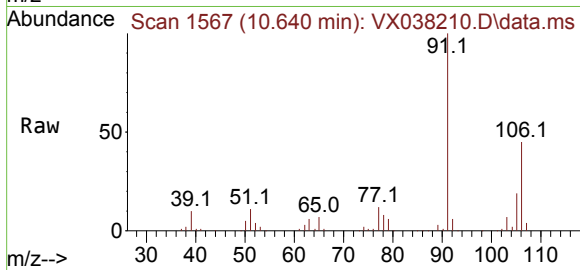
Tgt Ion:104 Resp: 1322

Ion Ratio Lower Upper

104 100

78 332.0 43.6 65.4#

103 288.0 43.6 65.4#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX038210.D

Acq: 10 Oct 2023 18:38

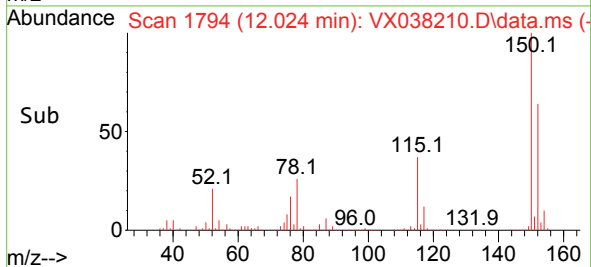
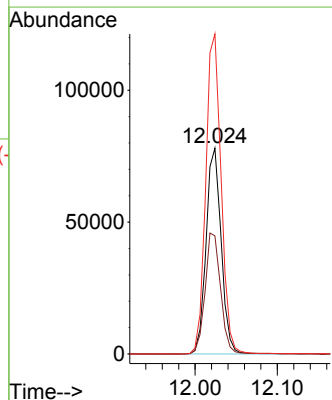
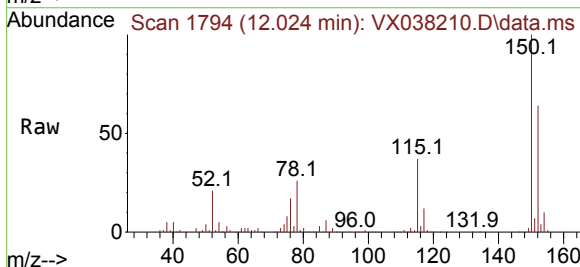
Tgt Ion:152 Resp: 99684

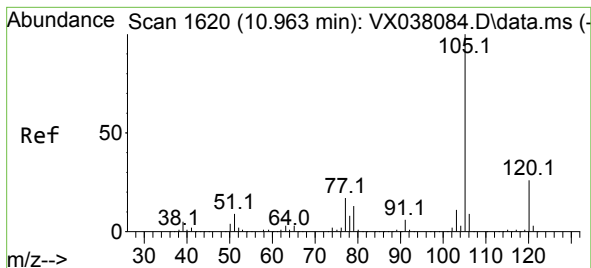
Ion Ratio Lower Upper

152 100

115 60.1 43.3 129.9

150 157.7 0.0 345.0





#73

Isopropylbenzene

Concen: 5.303 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX038210.D

Acq: 10 Oct 2023 18:38

Instrument :

MSVOA_X

ClientSampleId :

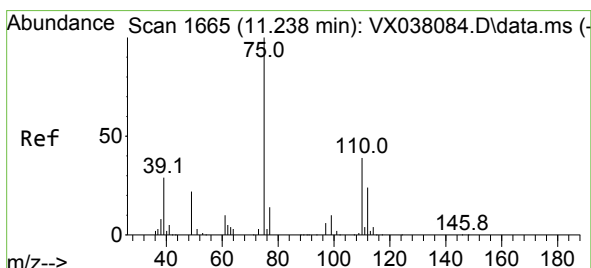
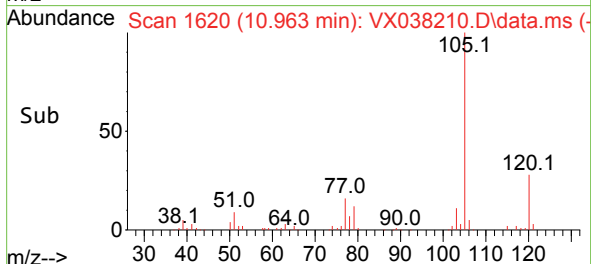
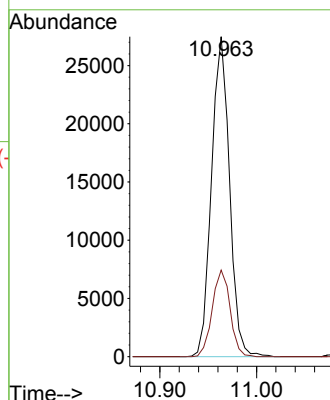
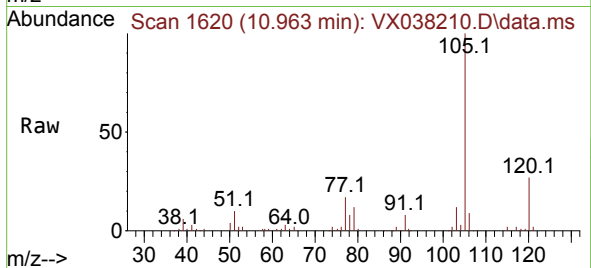
GW-3-10-13DL

Tgt Ion:105 Resp: 35454

Ion Ratio Lower Upper

105 100

120 26.8 12.9 38.6



#76

1,2,3-Trichloropropane

Concen: 22.513 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038210.D

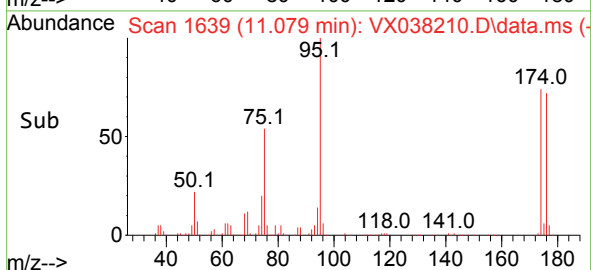
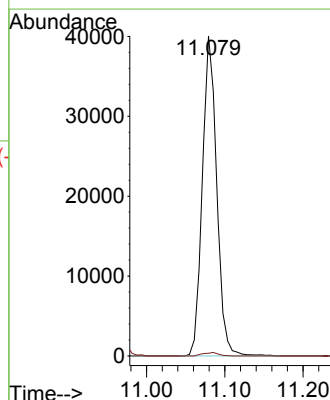
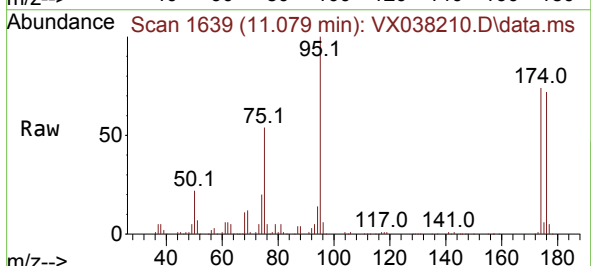
Acq: 10 Oct 2023 18:38

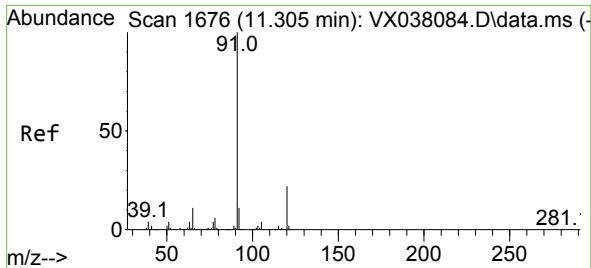
Tgt Ion: 75 Resp: 51019

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#

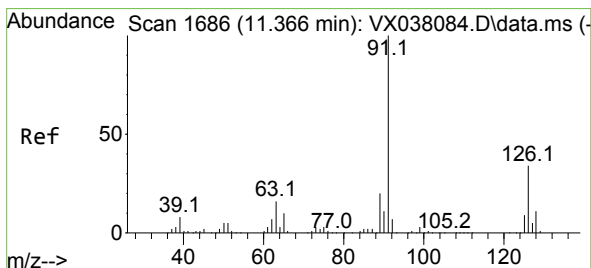
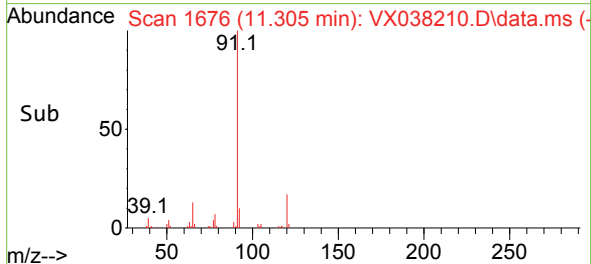
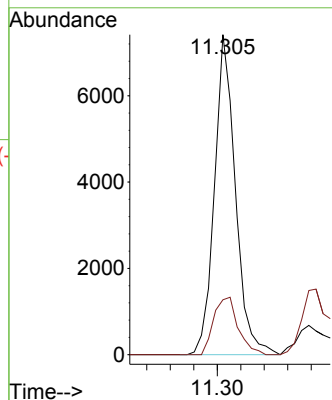
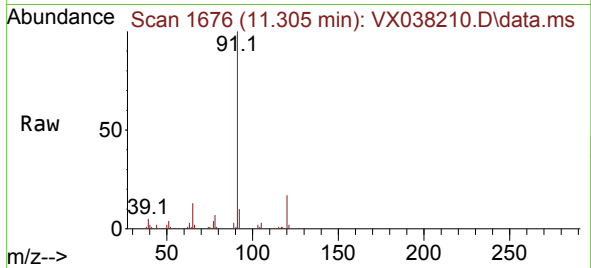




#78
n-propylbenzene
Concen: 1.121 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX038210.D
Acq: 10 Oct 2023 18:38

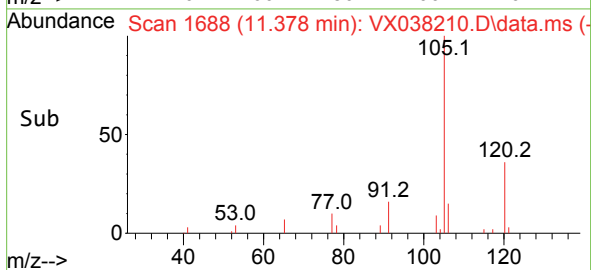
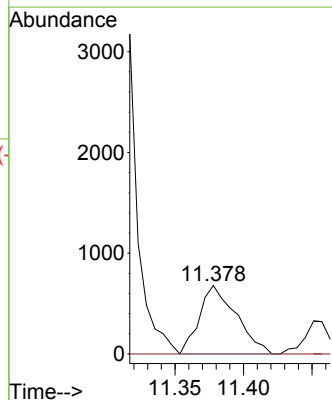
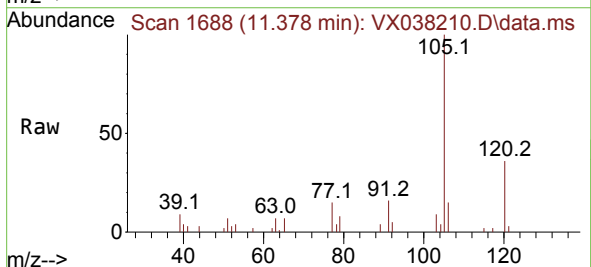
Instrument :
MSVOA_X
ClientSampleId :
GW-3-10-13DL

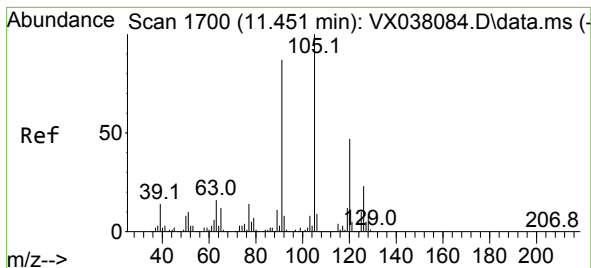
Tgt Ion: 91 Resp: 9165
Ion Ratio Lower Upper
91 100
120 20.9 11.5 34.4



#79
2-Chlorotoluene
Concen: 0.262 ug/l
RT: 11.378 min Scan# 1688
Delta R.T. 0.012 min
Lab File: VX038210.D
Acq: 10 Oct 2023 18:38

Tgt Ion: 91 Resp: 1270
Ion Ratio Lower Upper
91 100
126 0.0 16.3 48.8#





#80

1,3,5-Trimethylbenzene

Concen: 0.341 ug/l

RT: 11.457 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX038210.D

Acq: 10 Oct 2023 18:38

Instrument :

MSVOA_X

ClientSampleId :

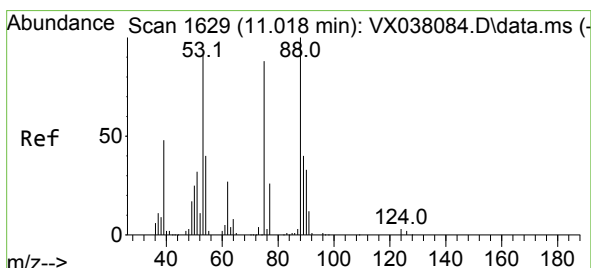
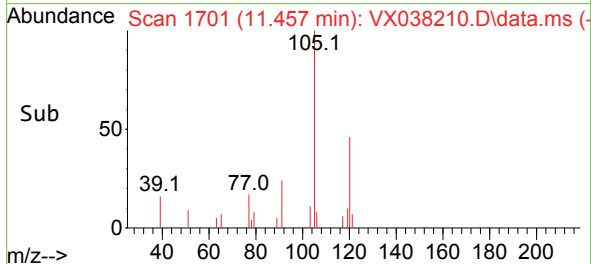
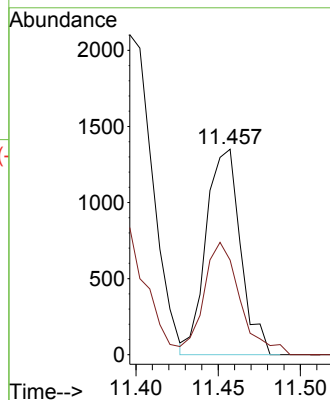
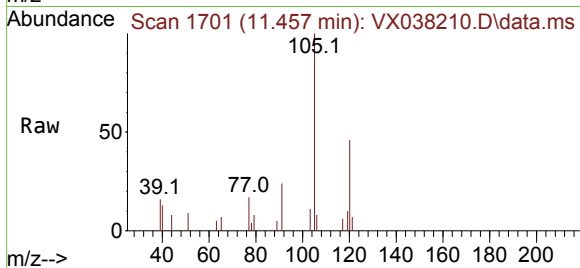
GW-3-10-13DL

Tgt Ion:105 Resp: 1965

Ion Ratio Lower Upper

105 100

120 57.5 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 64.467 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038210.D

Acq: 10 Oct 2023 18:38

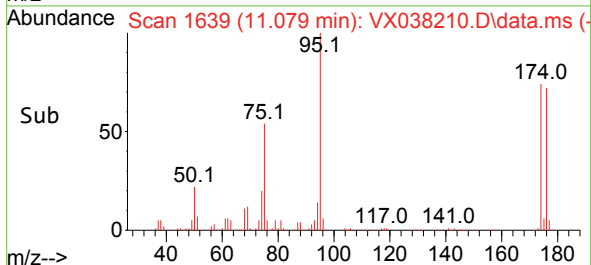
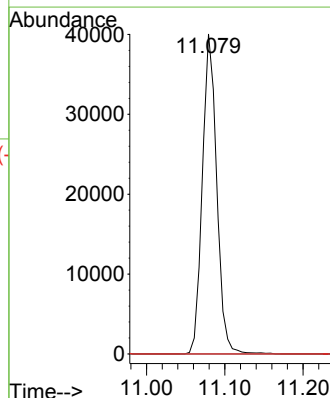
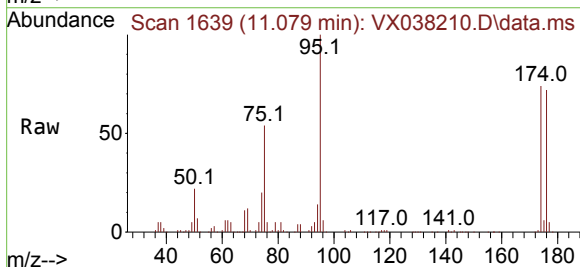
Tgt Ion: 75 Resp: 51019

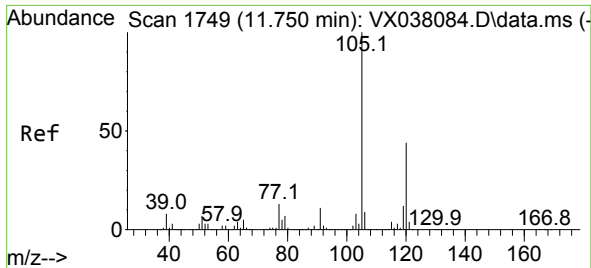
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#84
 1,2,4-Trimethylbenzene
 Concen: 1.256 ug/l
 RT: 11.756 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX038210.D
 Acq: 10 Oct 2023 18:38

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-3-10-13DL

Tgt Ion:105 Resp: 7222
 Ion Ratio Lower Upper
 105 100
 120 45.1 21.2 63.6

