

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092823\
 Data File : VX037948.D
 Acq On : 28 Sep 2023 14:14
 Operator : JC/MD
 Sample : 04661-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-057-IDWGW-20230927

Quant Time: Sep 29 04:26:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X092723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Sep 28 06:08:32 2023
 Response via : Initial Calibration

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

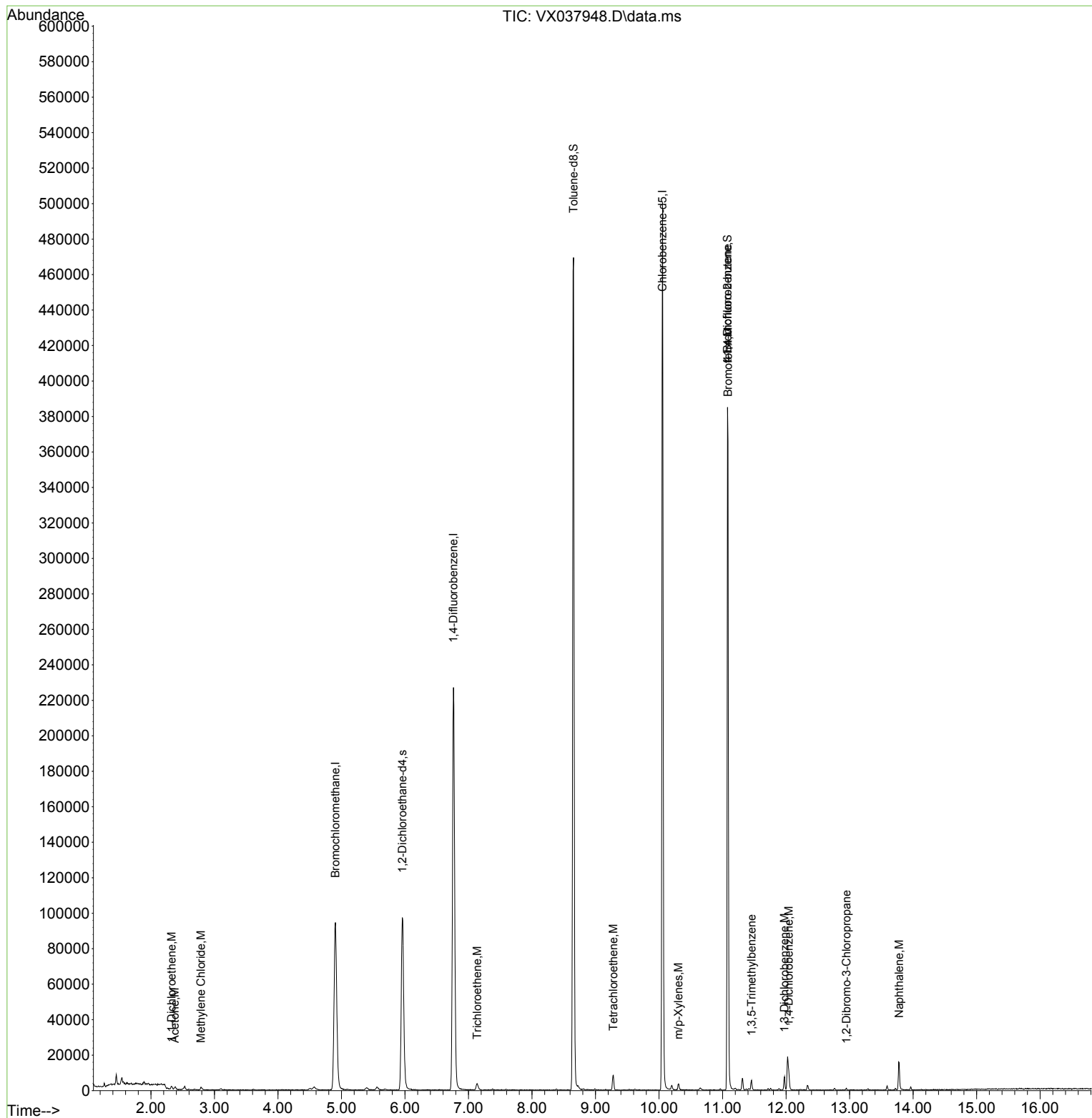
Internal Standards						
1) Bromochloromethane	4.903	128	42215	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	240776	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	227862	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	94197	30.955	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.200%
60) 4-Bromofluorobenzene	11.079	95	104374	28.099	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.667%
63) Toluene-d8	8.653	98	293107	29.798	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.333%
Target Compounds						
					Qvalue	
10) 1,1-Dichloroethene	2.325	96	530	0.242	ug/l #	60
15) Acetone	2.373	58	308	0.868	ug/l #	42
18) Methylene Chloride	2.788	84	669	0.255	ug/l	94
37) Trichloroethene	7.135	130	1157	0.403	ug/l #	78
56) Bromoform	11.085	173	890	0.409	ug/l #	1
61) Tetrachloroethene	9.281	164	812	0.335	ug/l	90
67) m/p-Xylenes	10.305	106	1140	0.222	ug/l	77
76) 1,3,5-Trimethylbenzene	11.457	105	2369	0.208	ug/l	94
77) t-1,4-Dichloro-2-butene	11.079	75	52691	43.531	ug/l #	7
83) 1,3-Dichlorobenzene	11.975	146	2695	0.416	ug/l	95
84) 1,4-Dichlorobenzene	12.042	146	3137	0.478	ug/l	95
88) 1,2-Dibromo-3-Chloropr...	12.951	75	262	0.302	ug/l #	81
91) Naphthalene	13.780	128	11736	0.892	ug/l	100

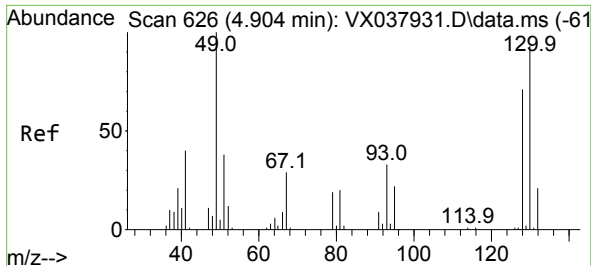
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092823\
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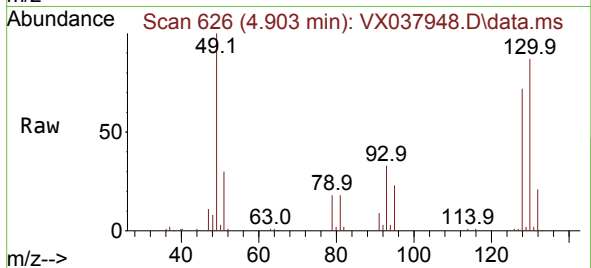
Quant Time: Sep 29 04:26:33 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X092723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Sep 28 06:08:32 2023
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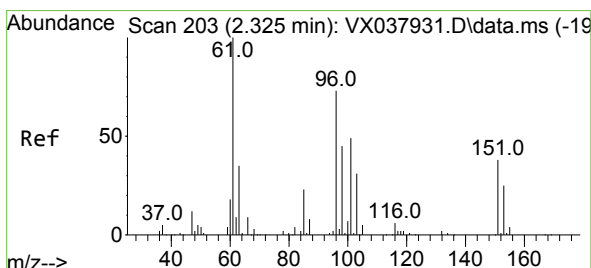
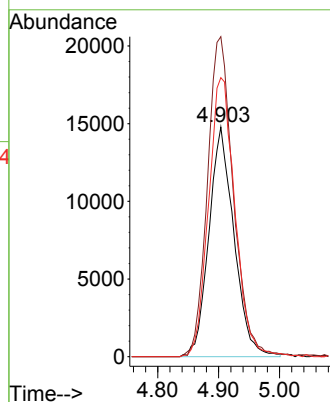
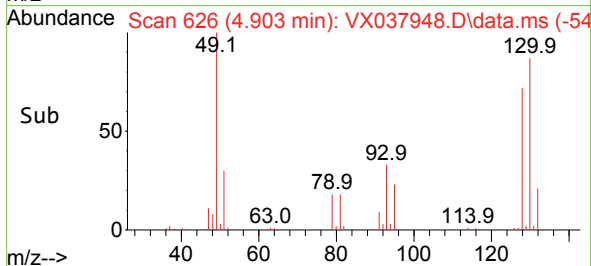


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. -0.001 min
Lab File: VX037948.D
Acq: 28 Sep 2023 14:14

Instrument :
MSVOA_X
ClientSampleId :
TT-057-IDWGW-20230927

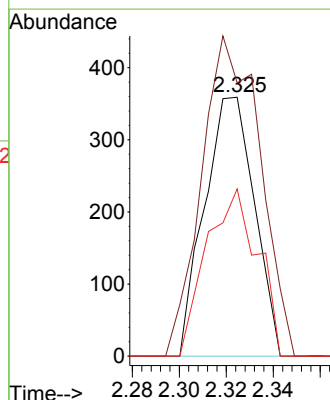
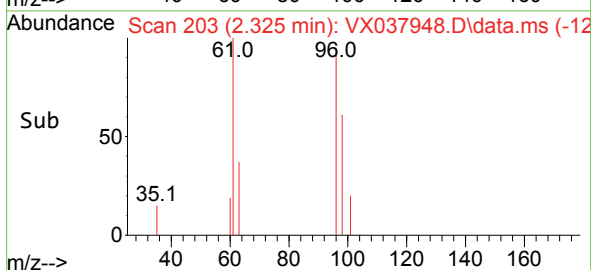
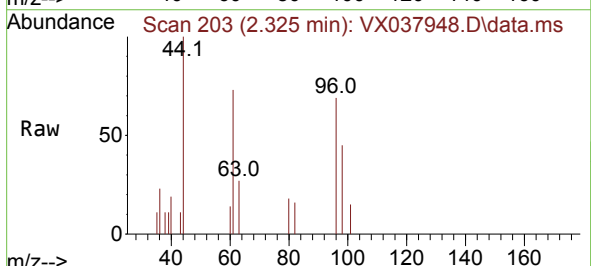


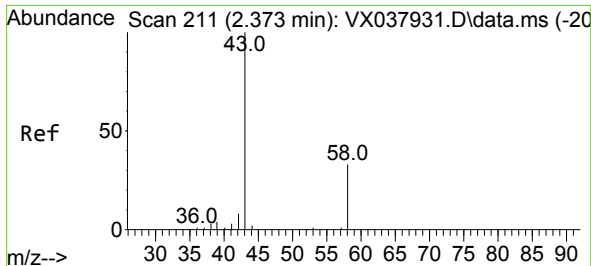
Tgt Ion:128 Resp: 42215
Ion Ratio Lower Upper
128 100
49 144.3 0.0 406.3
130 128.1 0.0 328.0



#10
1,1-Dichloroethene
Concen: 0.242 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX037948.D
Acq: 28 Sep 2023 14:14

Tgt Ion: 96 Resp: 530
Ion Ratio Lower Upper
96 100
61 85.5 127.2 190.8#
98 64.6 52.7 79.1





#15

Acetone

Concen: 0.868 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX037948.D

Acq: 28 Sep 2023 14:14

Instrument :

MSVOA_X

ClientSampleId :

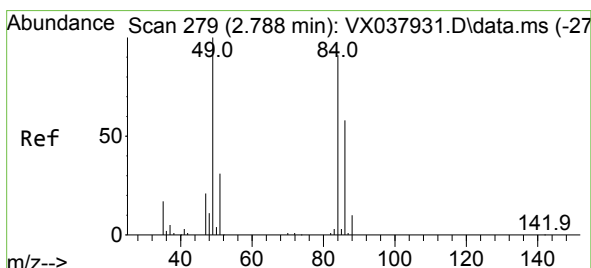
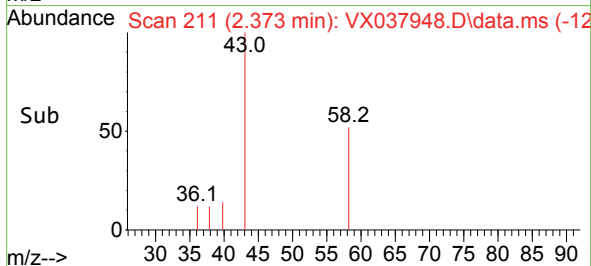
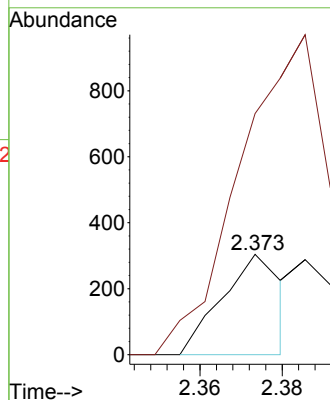
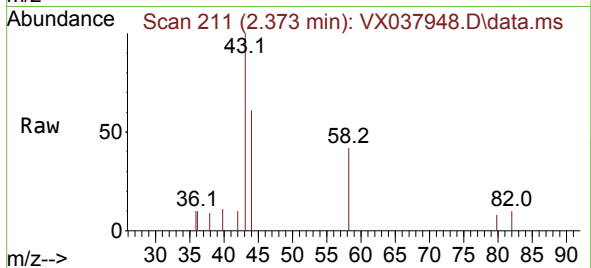
TT-057-IDWGW-20230927

Tgt Ion: 58 Resp: 308

Ion Ratio Lower Upper

58 100

43 206.3 261.0 391.4#



#18

Methylene Chloride

Concen: 0.255 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX037948.D

Acq: 28 Sep 2023 14:14

Tgt Ion: 84 Resp: 669

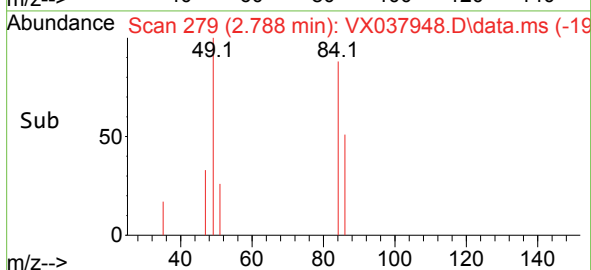
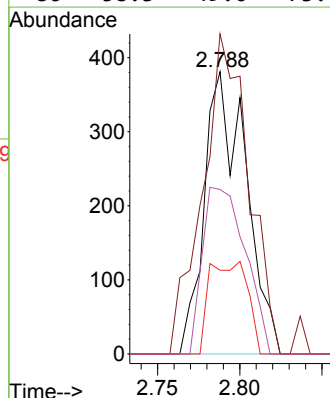
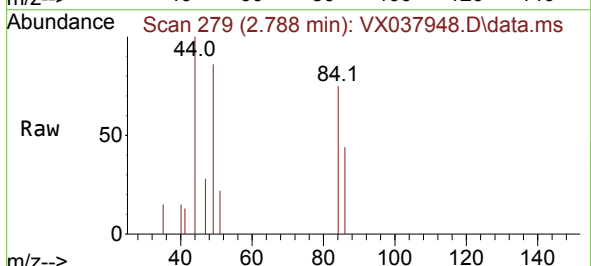
Ion Ratio Lower Upper

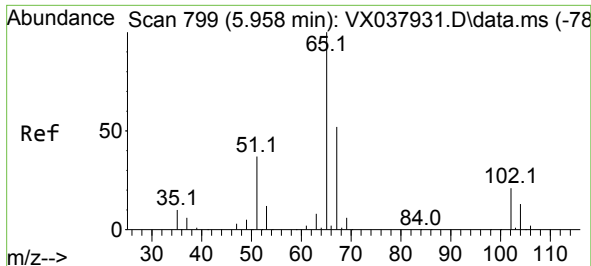
84 100

49 113.4 95.4 143.0

51 29.7 28.3 42.5

86 58.3 49.0 73.6





#27

1,2-Dichloroethane-d4

Concen: 30.955 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX037948.D

Acq: 28 Sep 2023 14:14

Instrument :

MSVOA_X

ClientSampleId :

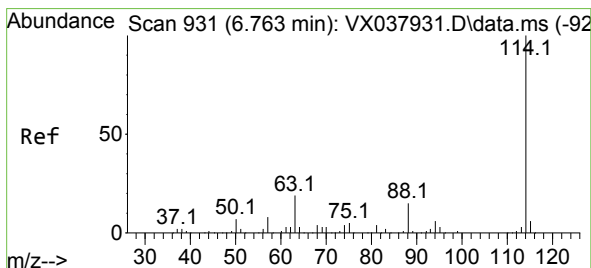
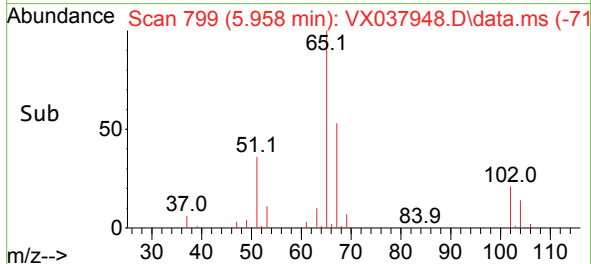
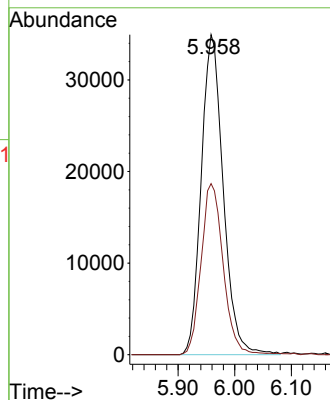
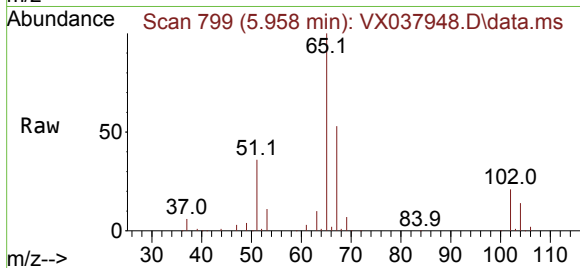
TT-057-IDWGW-20230927

Tgt Ion: 65 Resp: 94197

Ion Ratio Lower Upper

65 100

67 53.5 42.1 63.1



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX037948.D

Acq: 28 Sep 2023 14:14

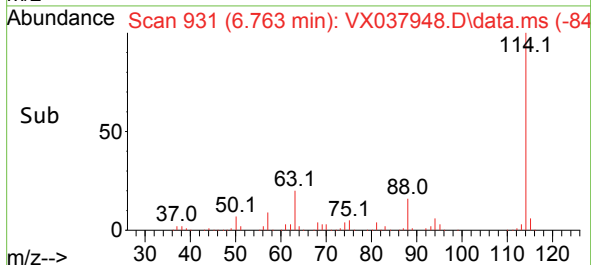
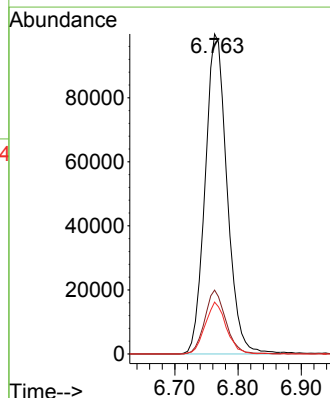
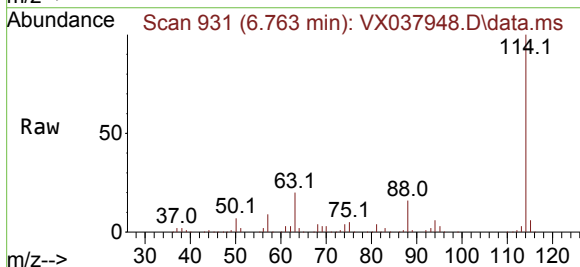
Tgt Ion: 114 Resp: 240776

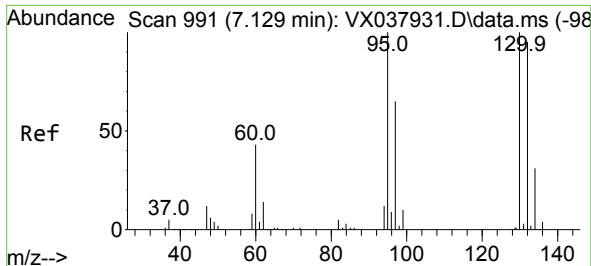
Ion Ratio Lower Upper

114 100

63 19.2 16.6 24.8

88 15.6 12.9 19.3

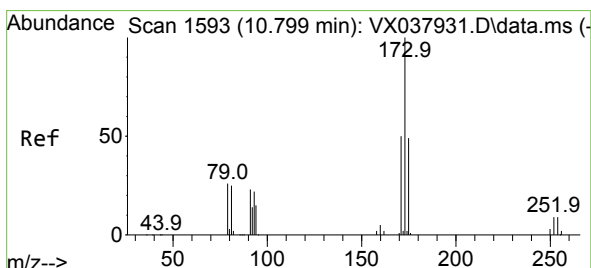
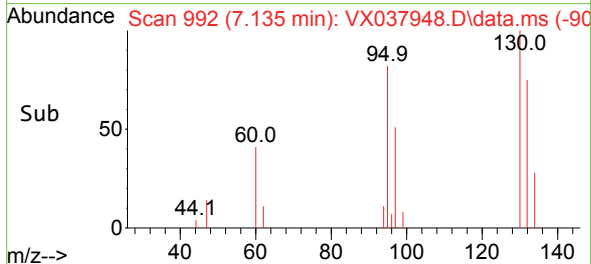
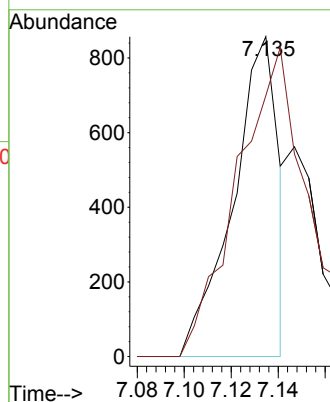
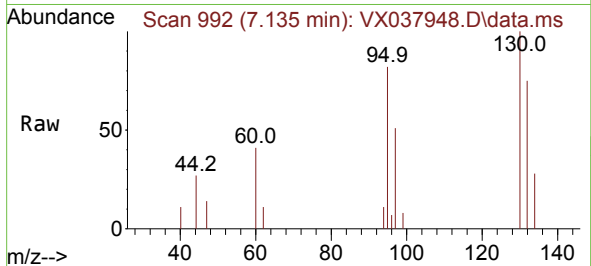




#37
Trichloroethene
Concen: 0.403 ug/l
RT: 7.135 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX037948.D
Acq: 28 Sep 2023 14:14

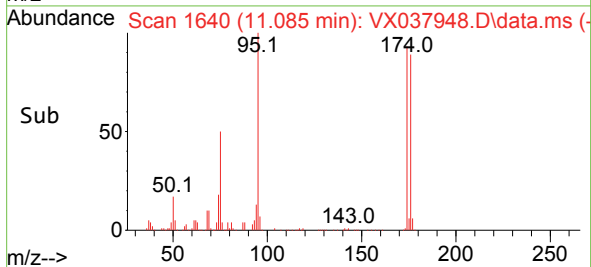
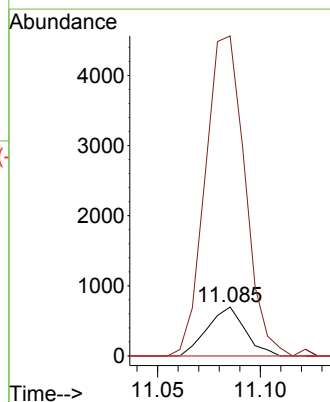
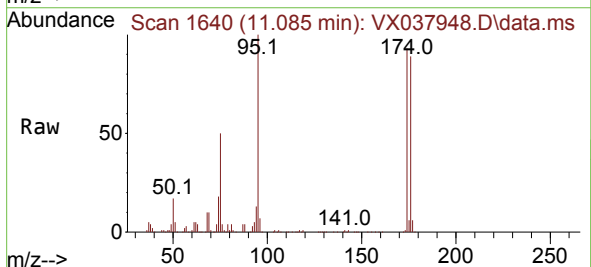
Instrument :
MSVOA_X
ClientSampleId :
TT-057-IDWGW-20230927

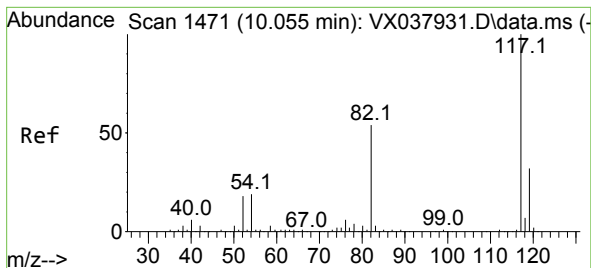
Tgt Ion:130 Resp: 1157
Ion Ratio Lower Upper
130 100
95 81.6 83.2 124.8#



#56
Bromoform
Concen: 0.409 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.286 min
Lab File: VX037948.D
Acq: 28 Sep 2023 14:14

Tgt Ion:173 Resp: 890
Ion Ratio Lower Upper
173 100
175 688.2 38.1 57.1#
254 0.0 6.7 10.1#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX037948.D

Acq: 28 Sep 2023 14:14

Instrument :

MSVOA_X

ClientSampleId :

TT-057-IDWGW-20230927

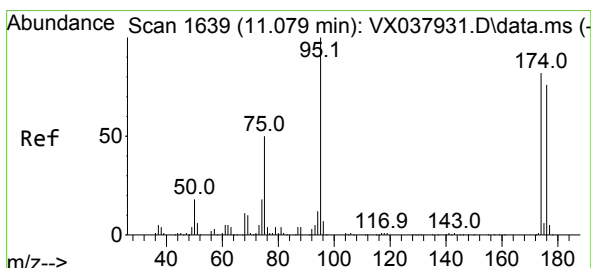
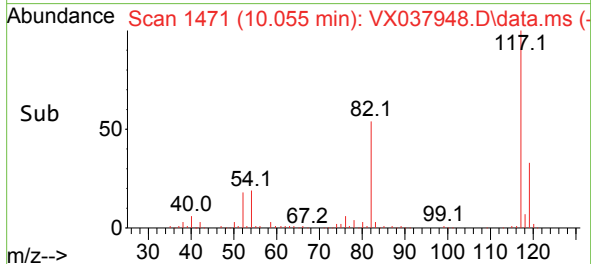
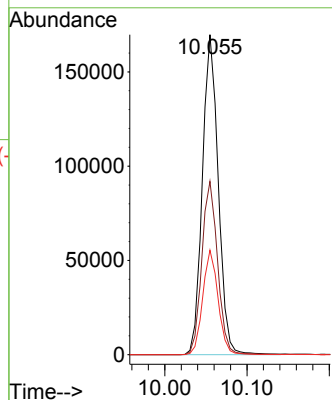
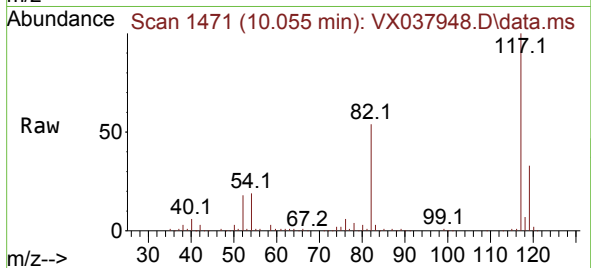
Tgt Ion:117 Resp: 227862

Ion Ratio Lower Upper

117 100

82 53.9 44.7 67.1

119 31.6 25.6 38.4



#60

4-Bromofluorobenzene

Concen: 28.099 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX037948.D

Acq: 28 Sep 2023 14:14

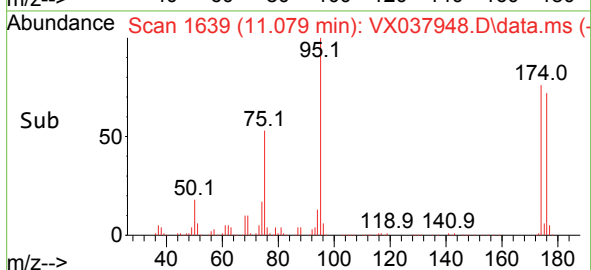
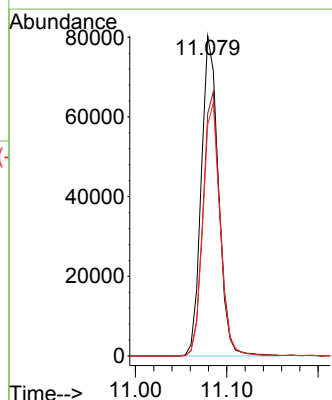
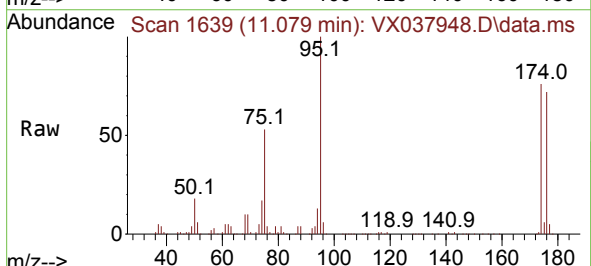
Tgt Ion: 95 Resp: 104374

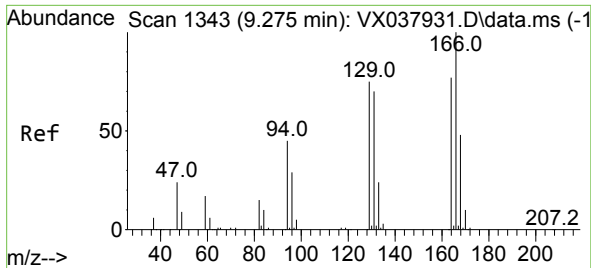
Ion Ratio Lower Upper

95 100

174 82.8 60.5 90.7

176 79.0 58.2 87.4

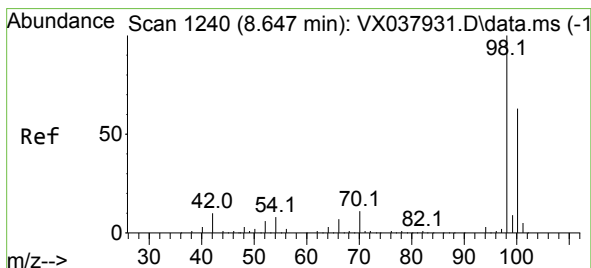
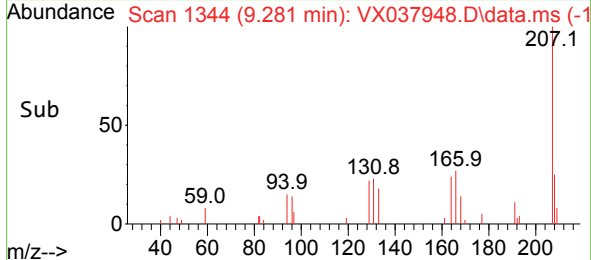
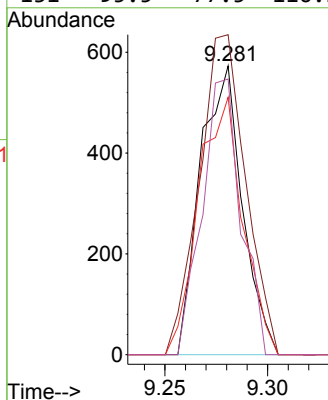
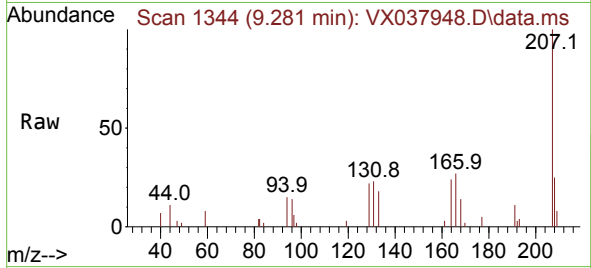




#61
Tetrachloroethene
Concen: 0.335 ug/l
RT: 9.281 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX037948.D
Acq: 28 Sep 2023 14:14

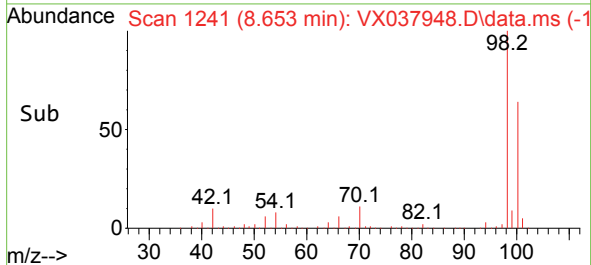
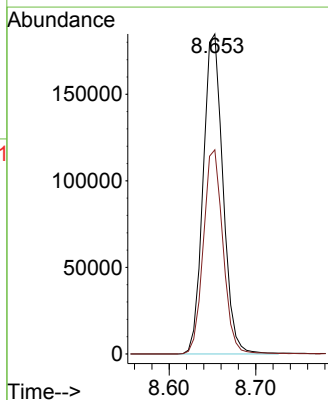
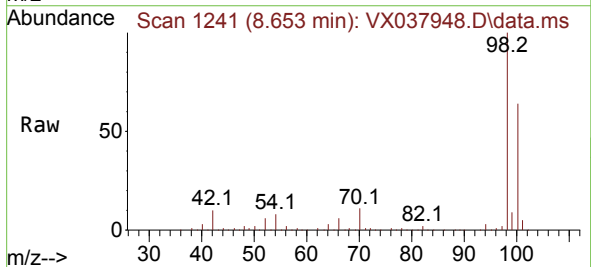
Instrument :
MSVOA_X
ClientSampleId :
TT-057-IDWGW-20230927

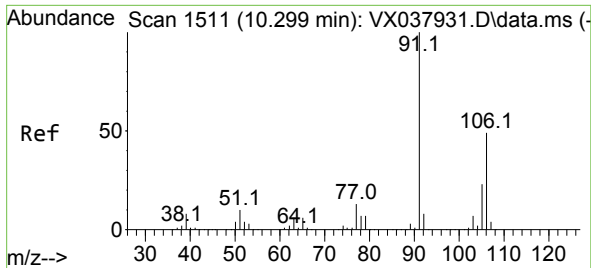
Tgt Ion:164	Resp:	812
Ion	Ratio	Lower Upper
164	100	
166	110.8	104.5 156.7
129	89.2	78.0 117.0
131	95.5	77.5 116.3



#63
Toluene-d8
Concen: 29.798 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX037948.D
Acq: 28 Sep 2023 14:14

Tgt Ion: 98	Resp:	293107
Ion	Ratio	Lower Upper
98	100	
100	63.3	51.6 77.4

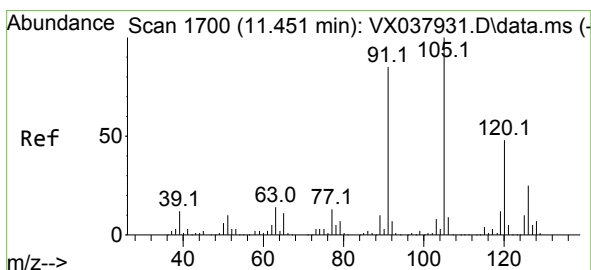
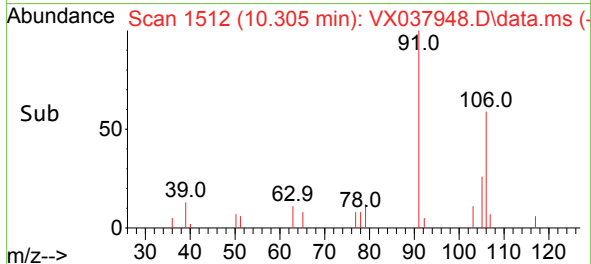
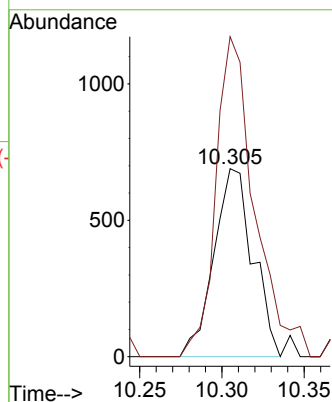
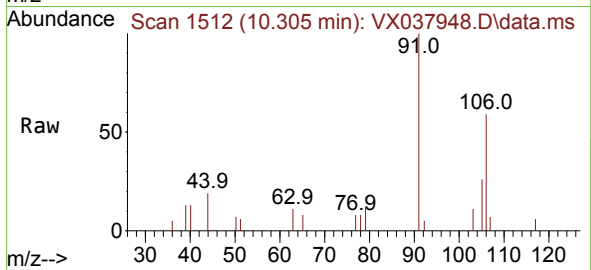




#67
m/p-Xylenes
Concen: 0.222 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX037948.D
Acq: 28 Sep 2023 14:14

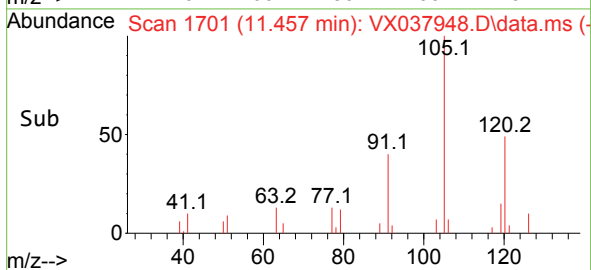
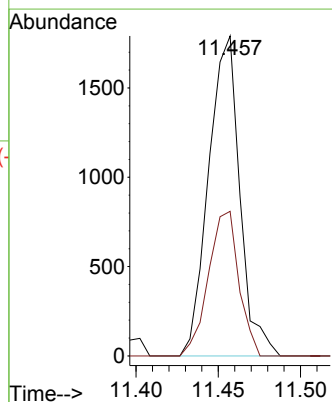
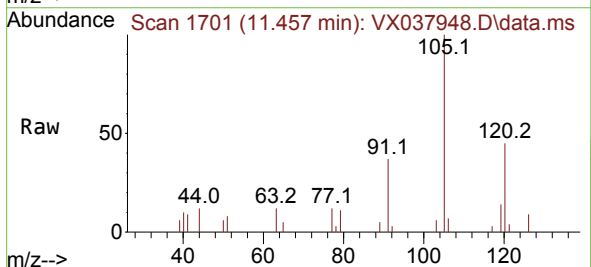
Instrument :
MSVOA_X
ClientSampleId :
TT-057-IDWGW-20230927

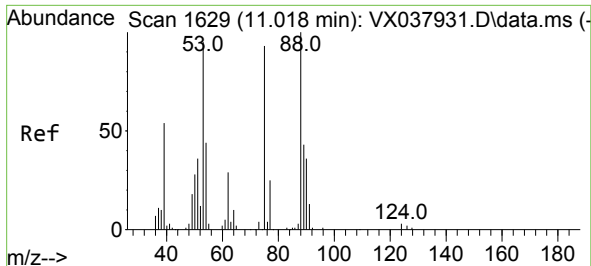
Tgt Ion:106 Resp: 1140
Ion Ratio Lower Upper
106 100
91 165.4 160.5 240.7



#76
1,3,5-Trimethylbenzene
Concen: 0.208 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX037948.D
Acq: 28 Sep 2023 14:14

Tgt Ion:105 Resp: 2369
Ion Ratio Lower Upper
105 100
120 43.9 0.0 96.4

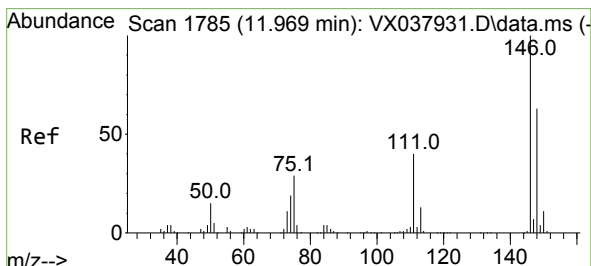
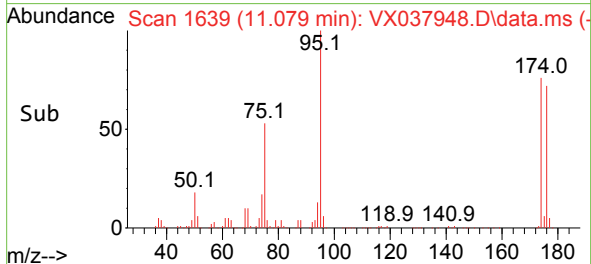
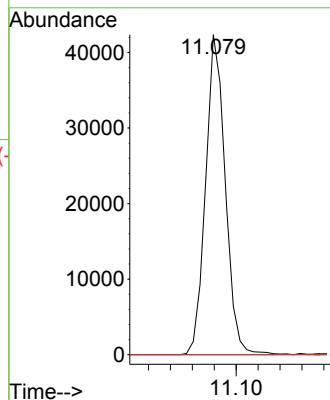
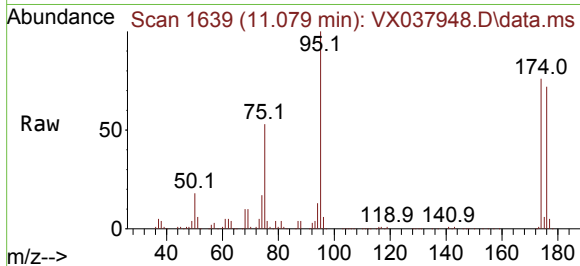




#77
t-1,4-Dichloro-2-butene
Concen: 43.531 ug/l
RT: 11.079 min Scan# 1629
Delta R.T. 0.061 min
Lab File: VX037948.D
Acq: 28 Sep 2023 14:14

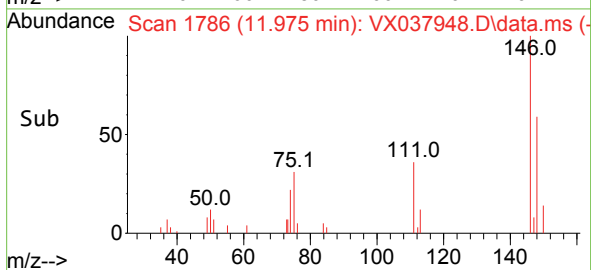
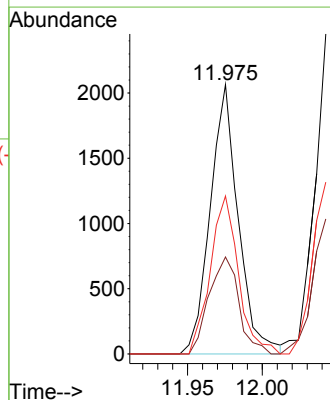
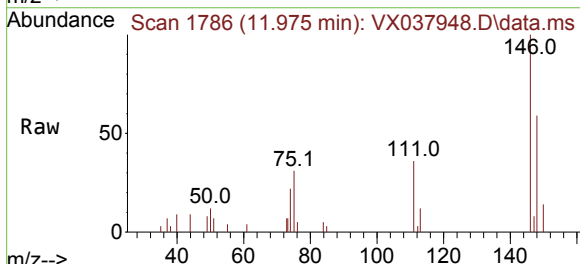
Instrument :
MSVOA_X
ClientSampleId :
TT-057-IDWGW-20230927

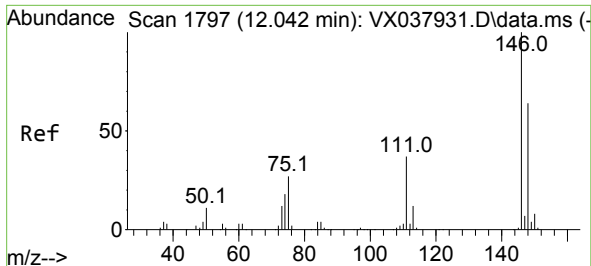
Tgt Ion: 75 Resp: 52691
Ion Ratio Lower Upper
75 100
53 0.0 53.9 161.7#
89 0.0 22.1 66.1#



#83
1,3-Dichlorobenzene
Concen: 0.416 ug/l
RT: 11.975 min Scan# 1786
Delta R.T. 0.006 min
Lab File: VX037948.D
Acq: 28 Sep 2023 14:14

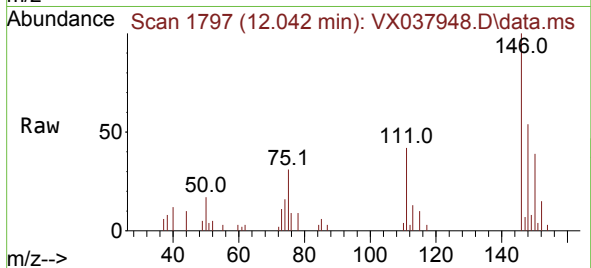
Tgt Ion:146 Resp: 2695
Ion Ratio Lower Upper
146 100
111 38.2 20.4 61.2
148 58.8 31.6 94.8



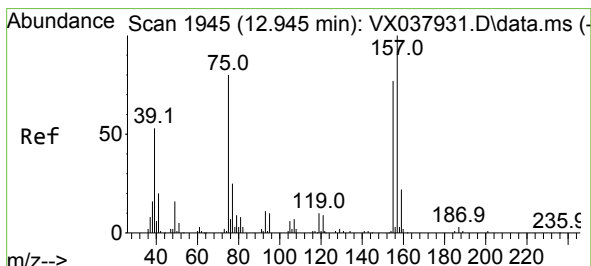
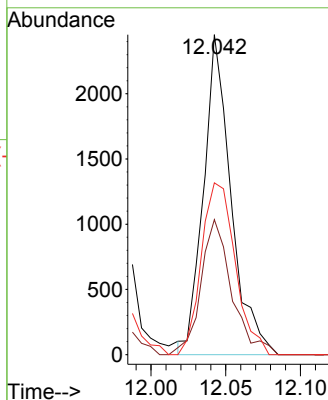
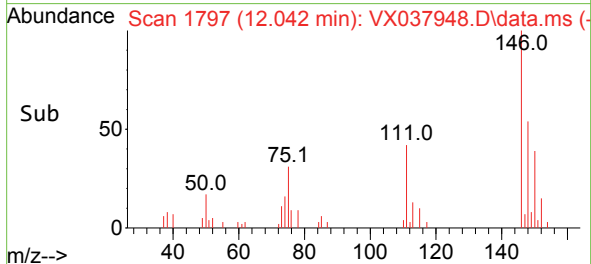


#84
1,4-Dichlorobenzene
Concen: 0.478 ug/l
RT: 12.042 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037948.D
Acq: 28 Sep 2023 14:14

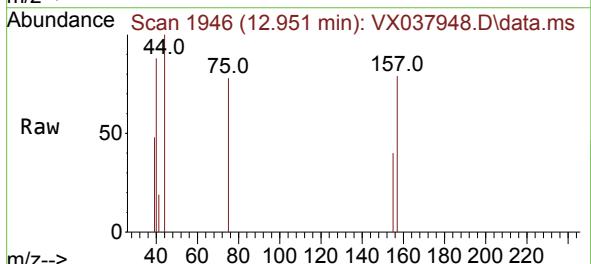
Instrument :
MSVOA_X
ClientSampleId :
TT-057-IDWGW-20230927



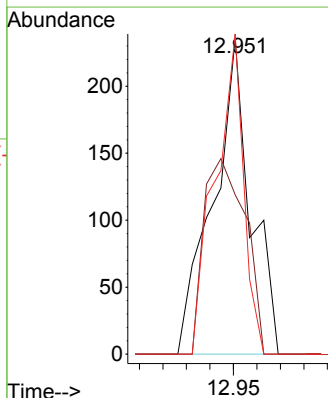
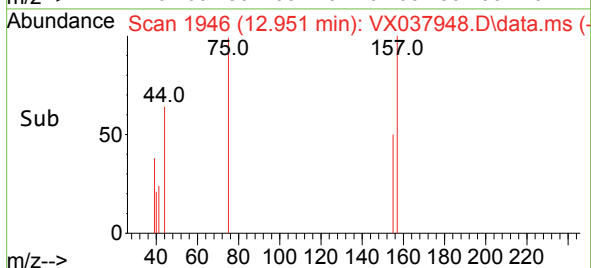
Tgt Ion:146 Resp: 3137
Ion Ratio Lower Upper
146 100
111 45.2 20.2 60.6
148 66.1 32.1 96.3

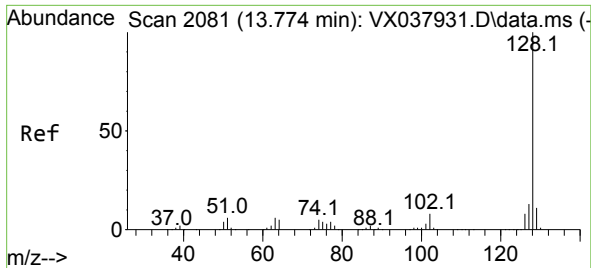


#88
1,2-Dibromo-3-Chloropropane
Concen: 0.302 ug/l
RT: 12.951 min Scan# 1946
Delta R.T. 0.006 min
Lab File: VX037948.D
Acq: 28 Sep 2023 14:14



Tgt Ion: 75 Resp: 262
Ion Ratio Lower Upper
75 100
155 68.3 62.7 94.1
157 76.7 81.5 122.3#





#91

Naphthalene

Concen: 0.892 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX037948.D

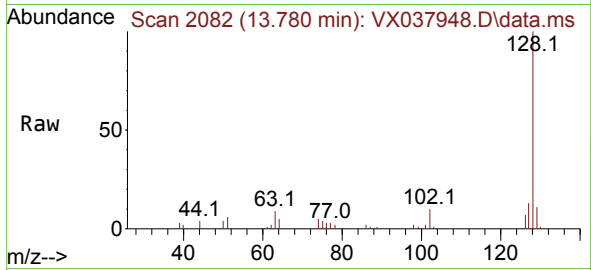
Acq: 28 Sep 2023 14:14

Instrument :

MSVOA_X

ClientSampleId :

TT-057-IDWGW-20230927



Tgt Ion:128 Resp: 11736

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

129 11.0 8.7 13.1

