

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 :

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)

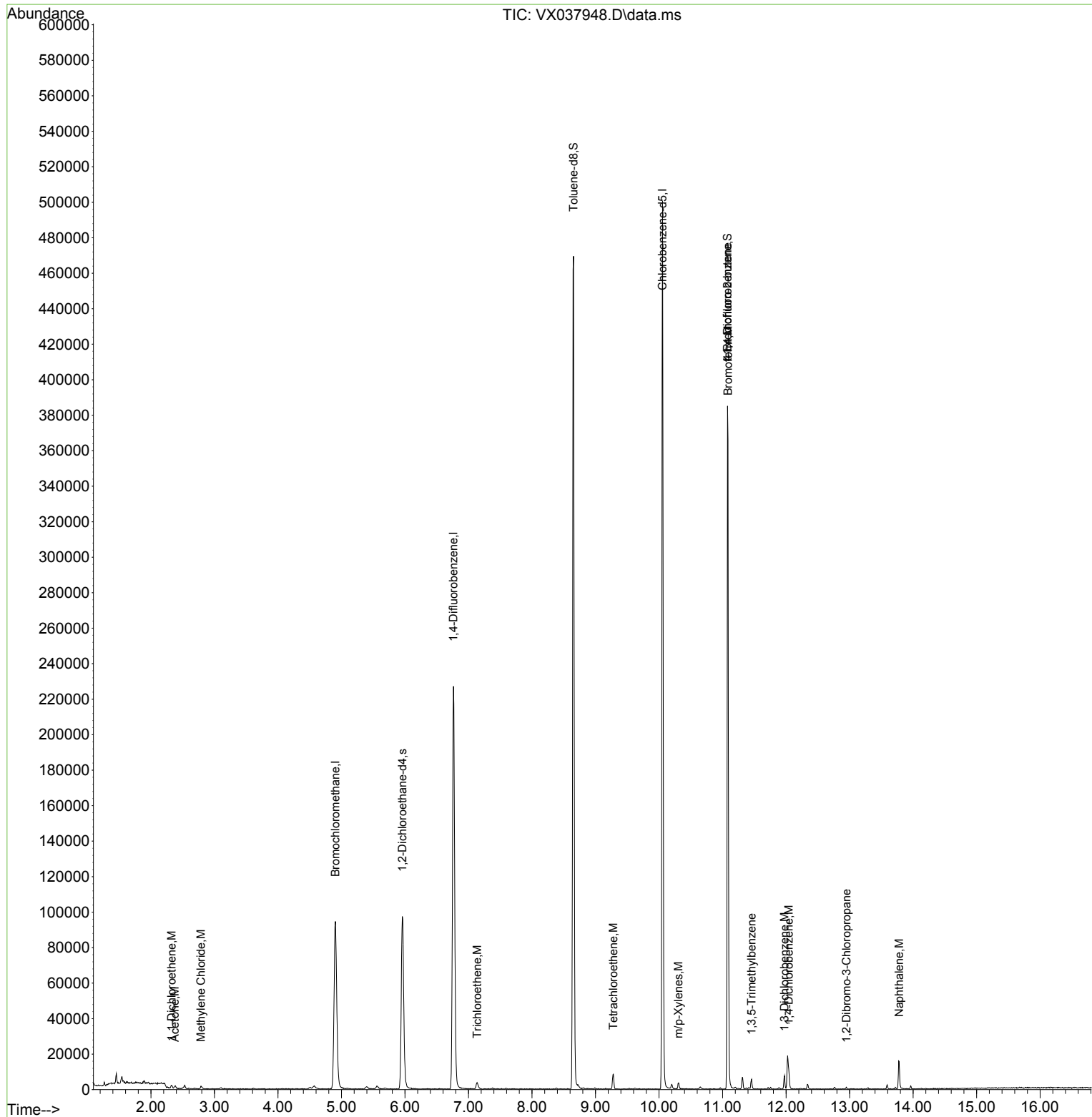
Internal Standards						
1) Bromochloromethane	4.903	128	42215	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	240776	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	227862	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	94197	30.955	ug/l	0.00
Spiked Amount	30.000	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

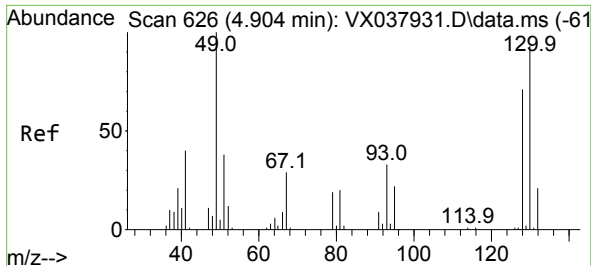
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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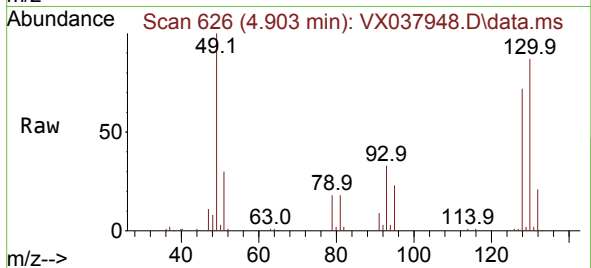
Quant Time: Sep 29 04:26:33 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X092723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Sep 28 06:08:32 2023
Response via : Initial Calibration



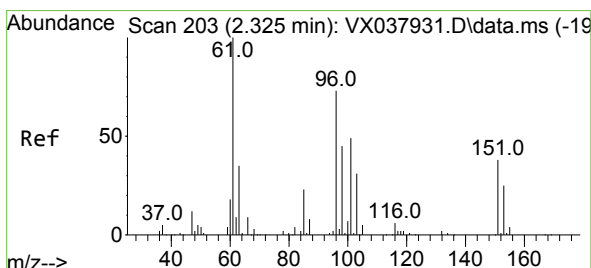
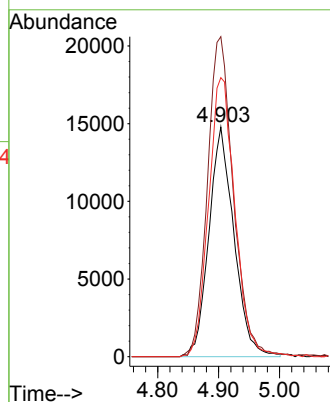
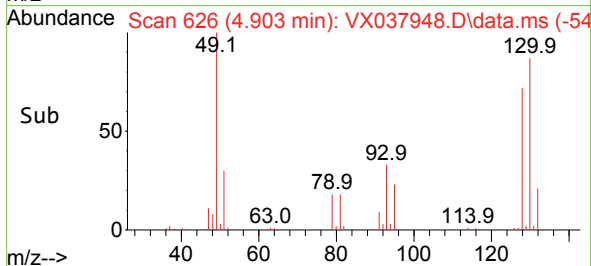


#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 4.903 min Scan# 61
 Delta R.T. -0.001 min
 Lab File: VX037948.D
 Acq: 28 Sep 2023 14:14

Instrument :
 MSVOA_X
 ClientSampleId :

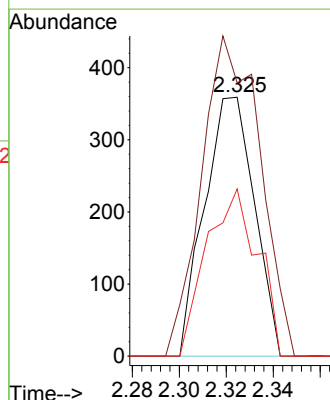
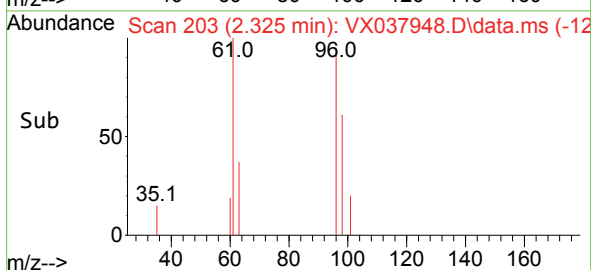
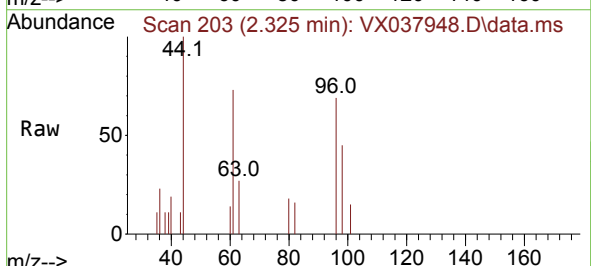


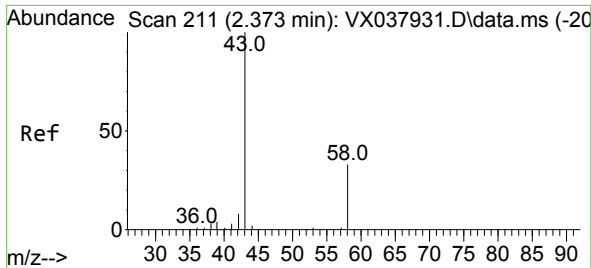
Tgt Ion:128 Resp: 42215
 Ion Ratio Lower Upper
 128 100
 49 144.3 0.0 406.3
 130 128.1 0.0 328.0



#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

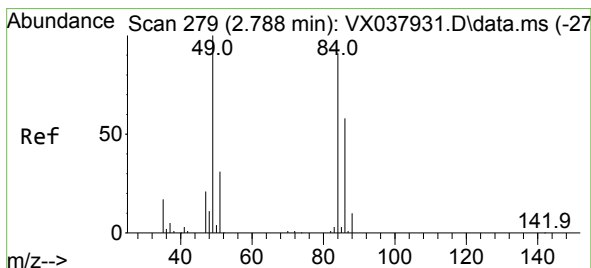
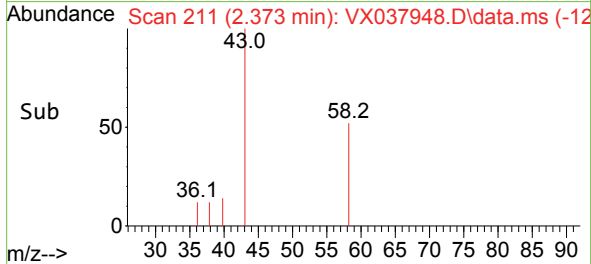
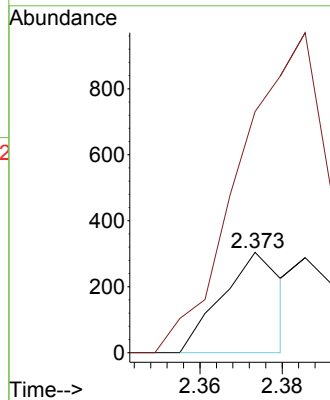
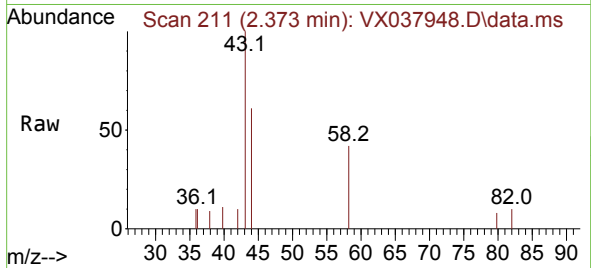
ClientSampleId :

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

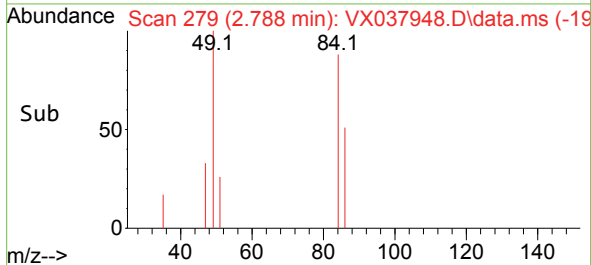
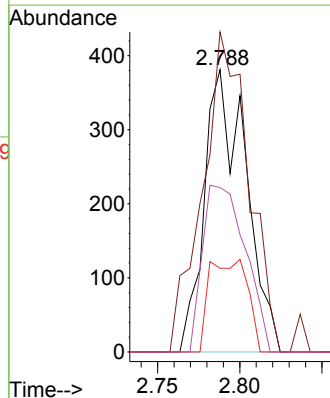
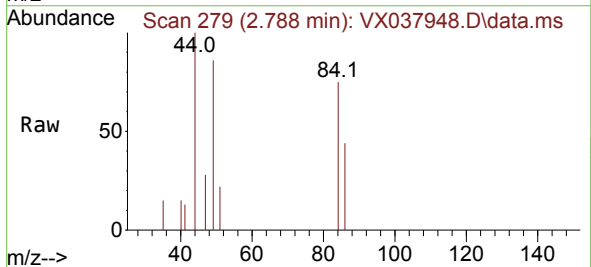
Ion Ratio Lower Upper

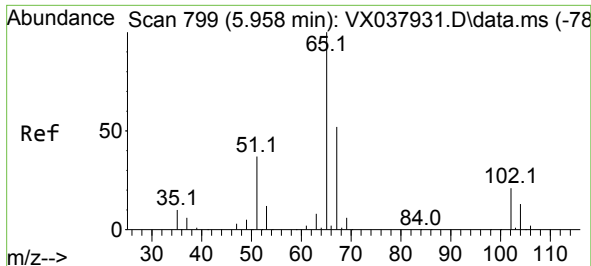
84 100

49 113.4 95.4 143.0

51 29.7 28.3 42.5

86 58.3 49.0 73.6

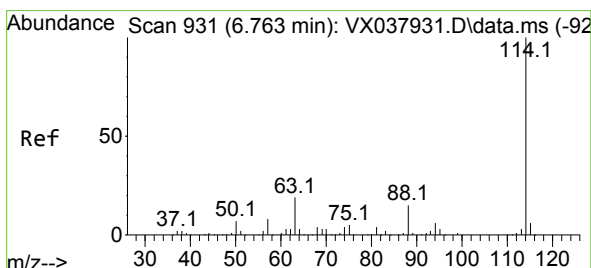
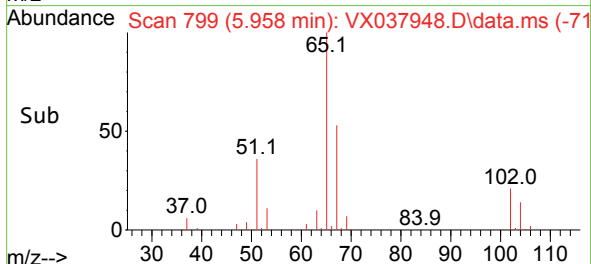
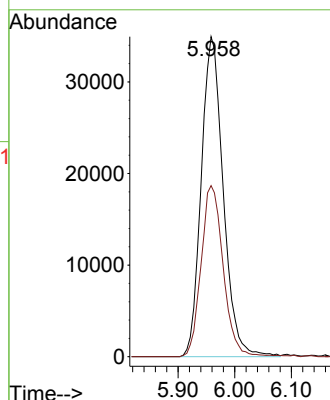
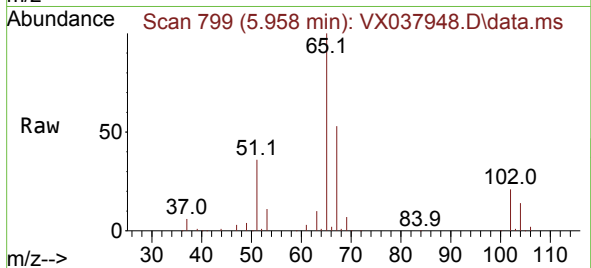




#27
1,2-Dichloroethane-d4
Concen: 30.955 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX037948.D
Acq: 28 Sep 2023 14:14

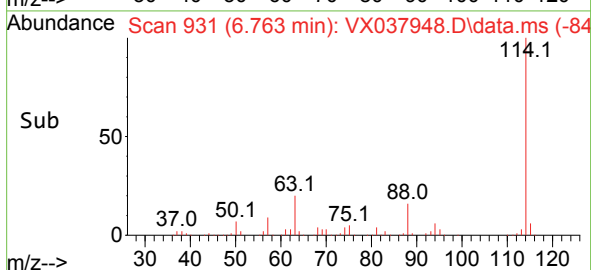
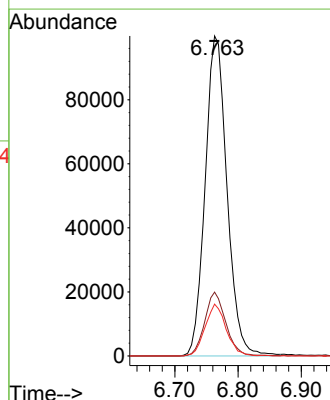
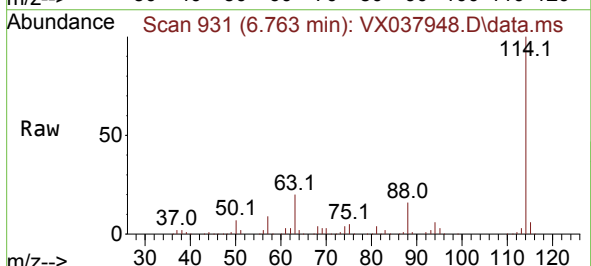
Instrument :
MSVOA_X
ClientSampleId :

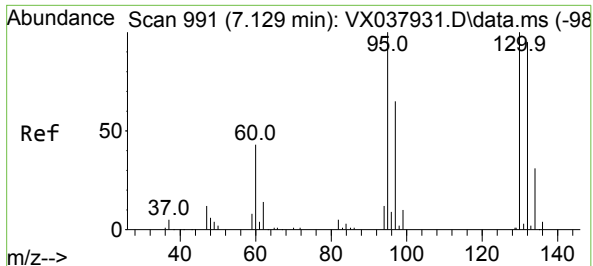
Tgt Ion: 65 Resp: 94197
Ion Ratio Lower Upper
65 100
67 53.5 42.1 63.1



#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

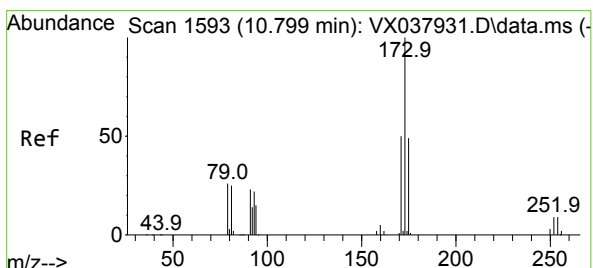
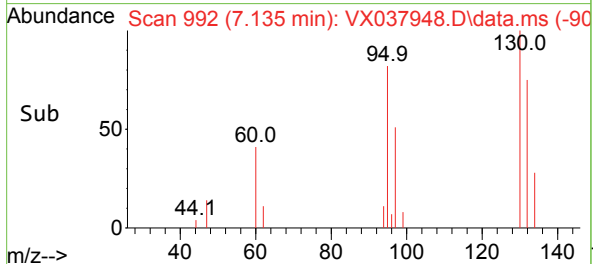
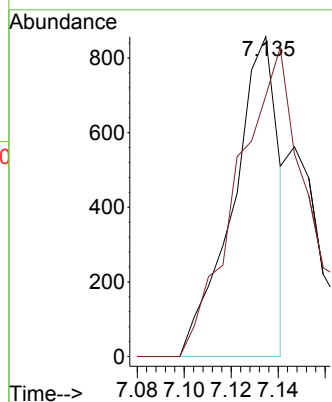
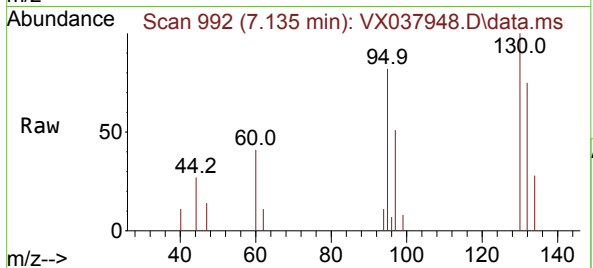
ClientSampleId :

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

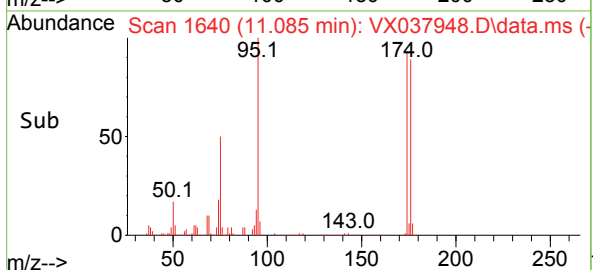
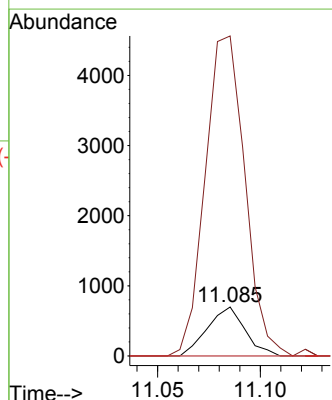
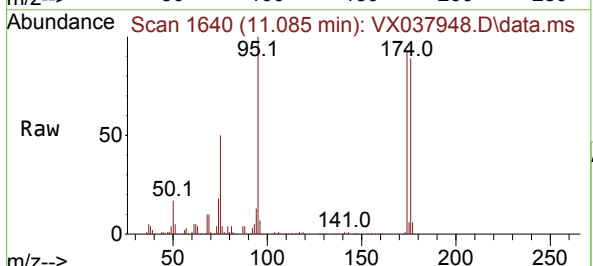
Tgt Ion:173 Resp: 890

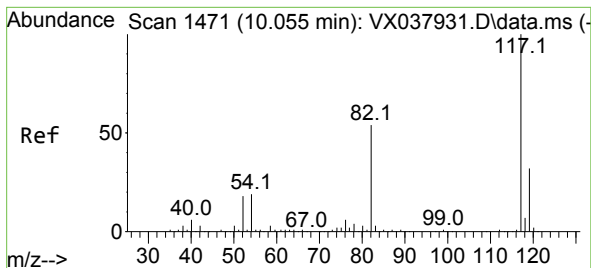
Ion Ratio Lower Upper

173 100

175 688.2 38.1 57.1#

254 0.0 6.7 10.1#

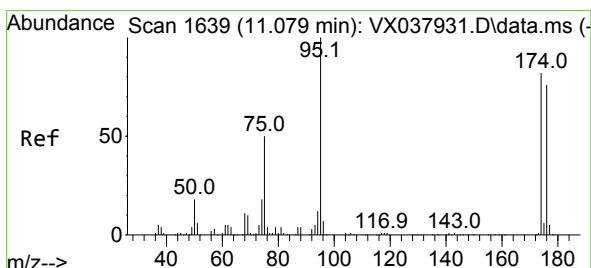
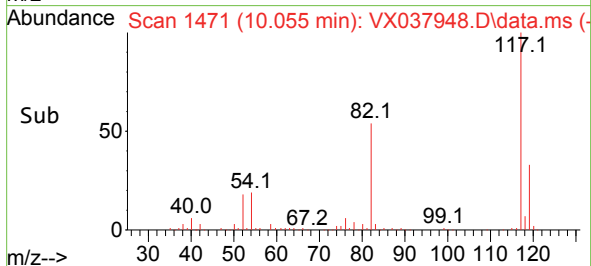
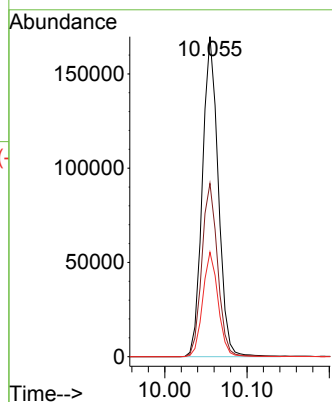
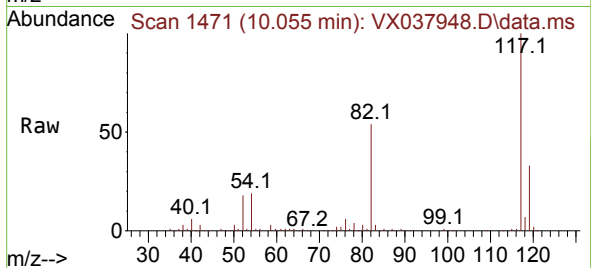




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037948.D
Acq: 28 Sep 2023 14:14

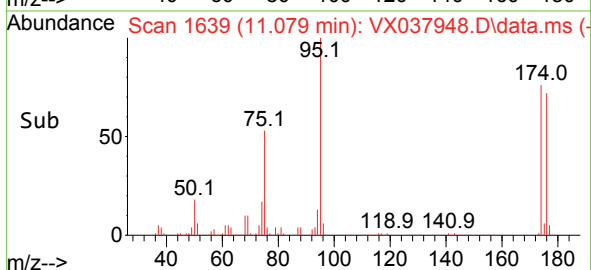
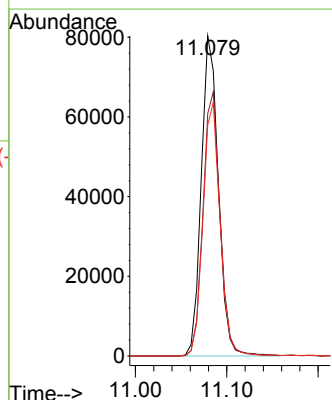
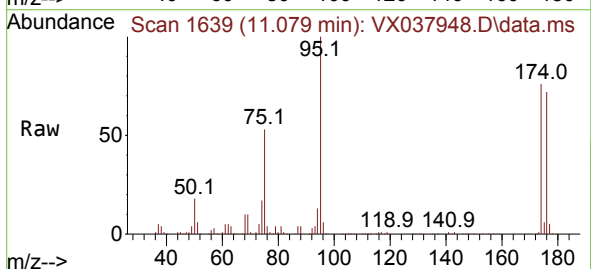
Instrument :
MSVOA_X
ClientSampleId :

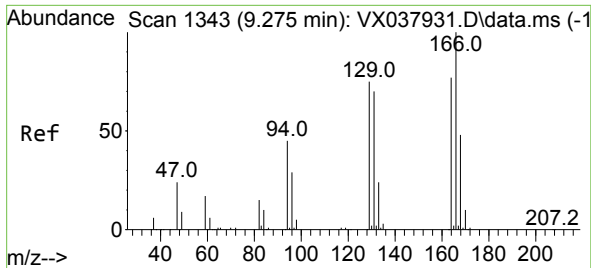
Tgt Ion:117 Resp: 227862
Ion Ratio Lower Upper
117 100
82 53.9 44.7 67.1
119 31.6 25.6 38.4



#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

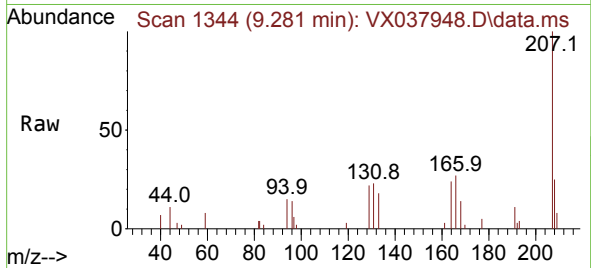
Tgt Ion: 95 Resp: 104374
Ion Ratio Lower Upper
95 100
174 82.8 60.5 90.7
176 79.0 58.2 87.4



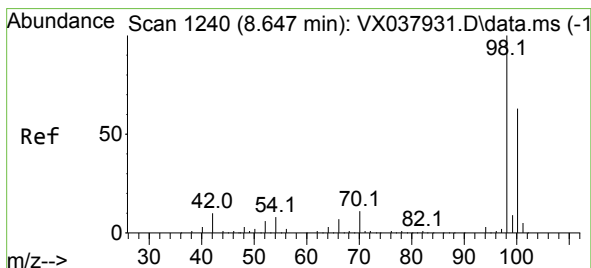
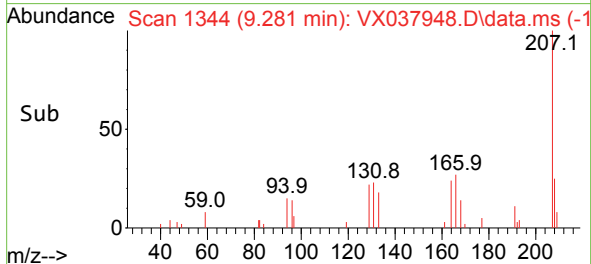
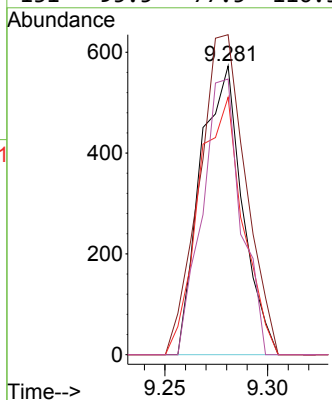


#61
Tetrachloroethene
Concen: 0.335 ug/l
RT: 9.281 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX037948.D
Acq: 28 Sep 2023 14:14

Instrument :
MSVOA_X
ClientSampleId :

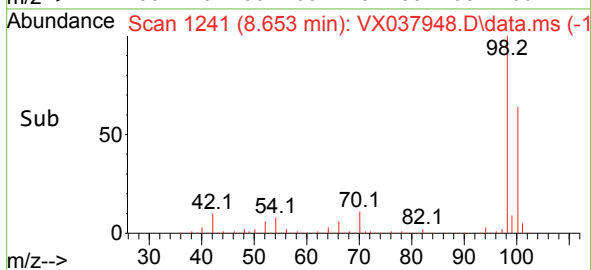
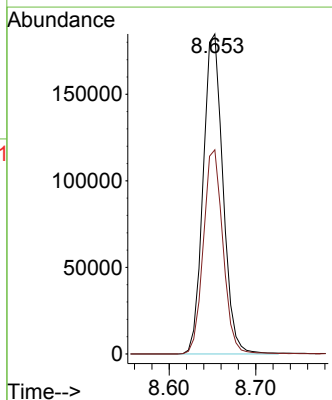
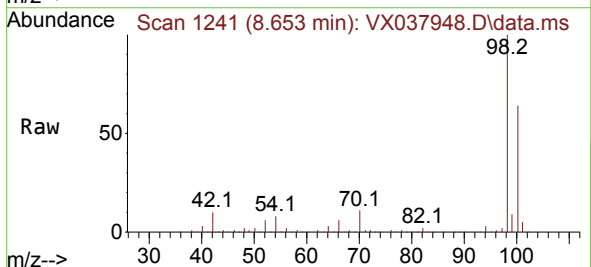


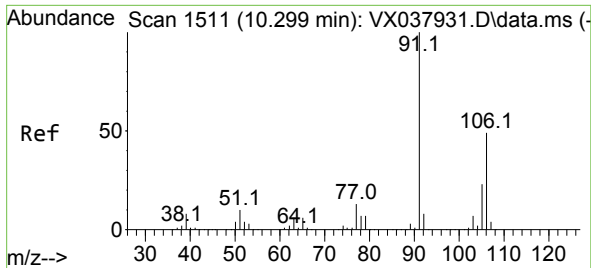
Tgt Ion:164 Resp: 812
Ion Ratio Lower Upper
164 100
166 110.8 104.5 156.7
129 89.2 78.0 117.0
131 95.5 77.5 116.3



#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

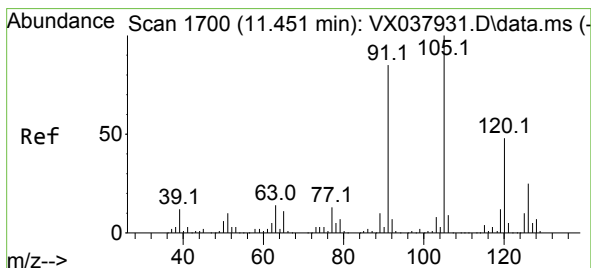
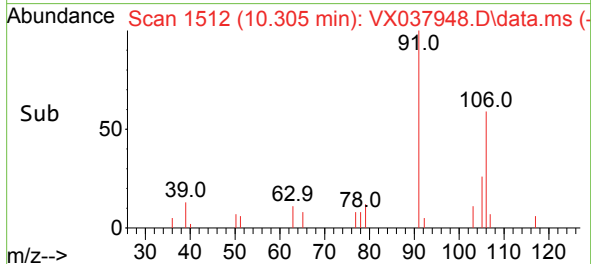
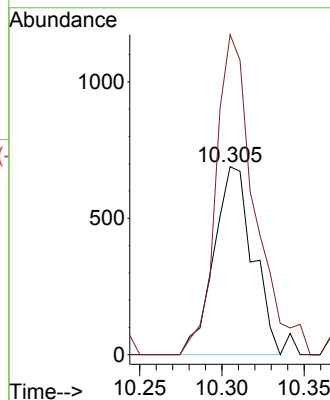
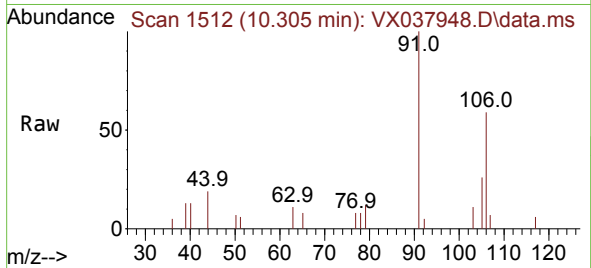
ClientSampleId :

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

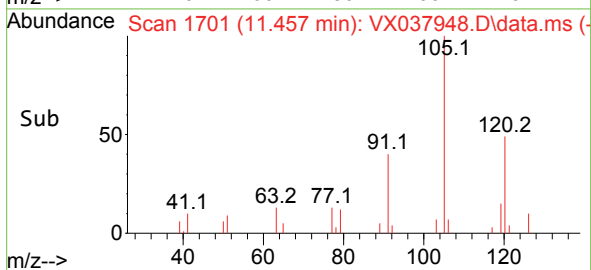
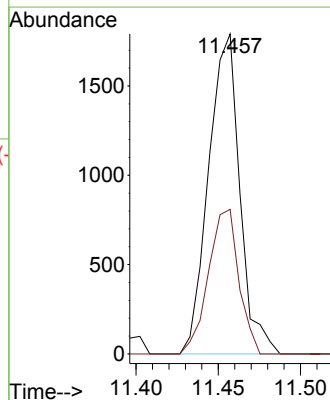
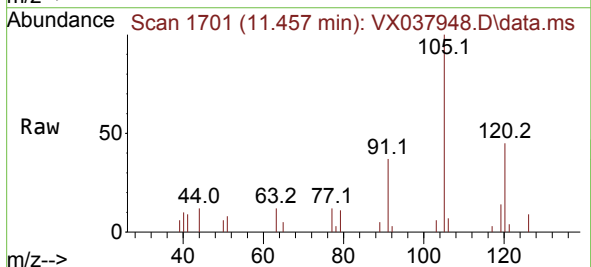
Acq: 28 Sep 2023 14:14

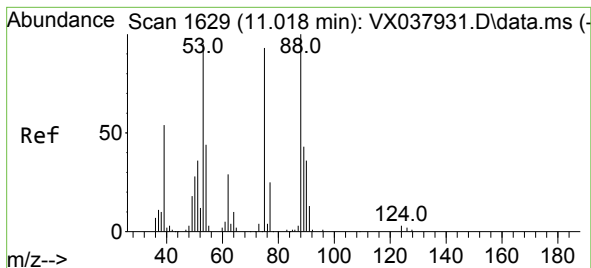
Tgt Ion:105 Resp: 2369

Ion Ratio Lower Upper

105 100

120 43.9 0.0 96.4

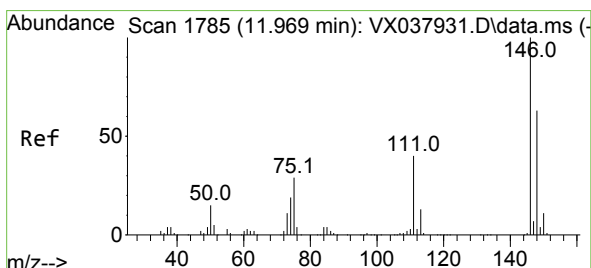
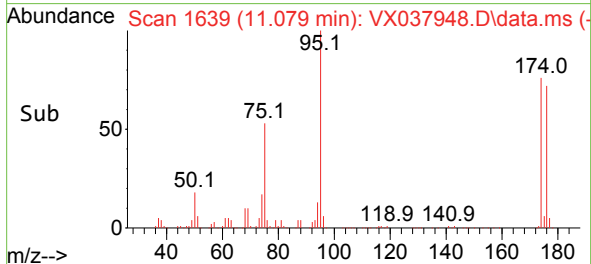
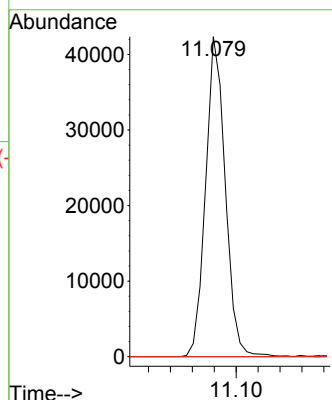
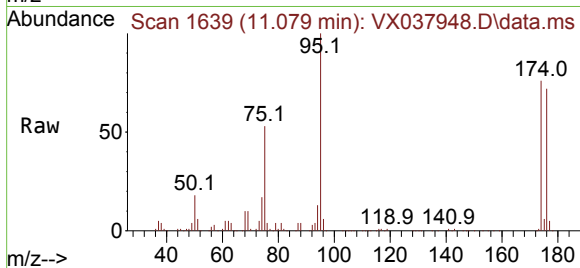




#77
 t-1,4-Dichloro-2-butene
 Concen: 43.531 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX037948.D
 Acq: 28 Sep 2023 14:14

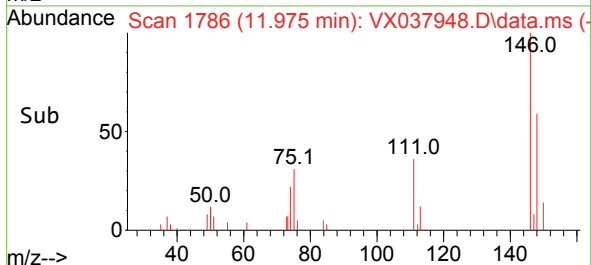
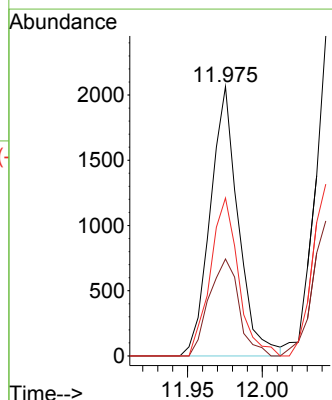
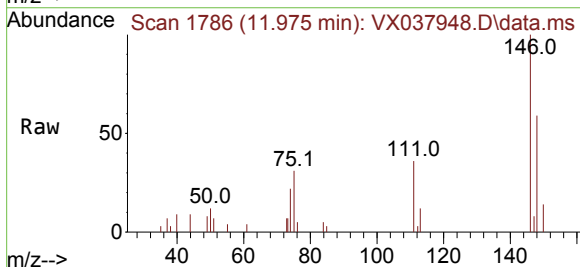
Instrument :
 MSVOA_X
 ClientSampleId :

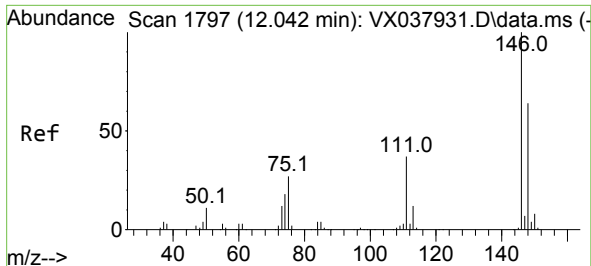
Tgt Ion: 75 Resp: 52691
 Ion Ratio Lower Upper
 75 100
 53 0.0 53.9 161.7#
 89 0.0 22.1 66.1#



#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

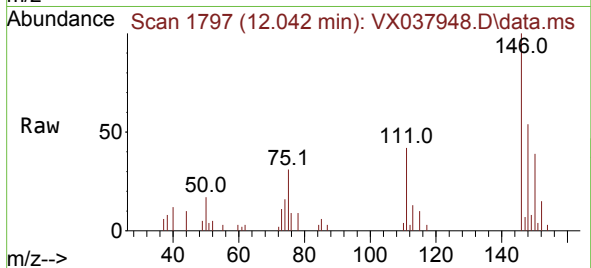
Tgt Ion:146 Resp: 2695
 Ion Ratio Lower Upper
 146 100
 111 38.2 20.4 61.2
 148 58.8 31.6 94.8



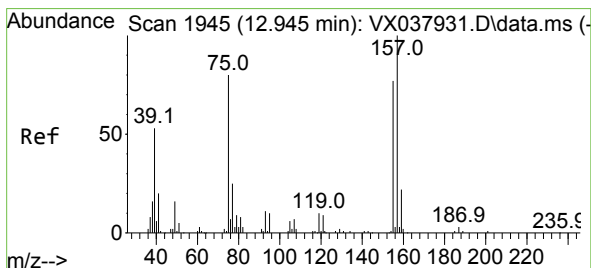
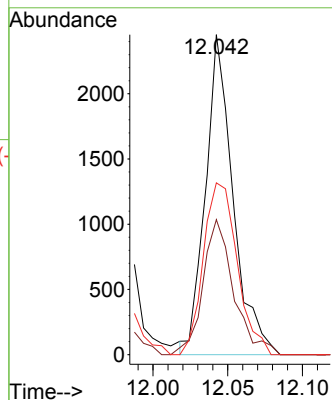
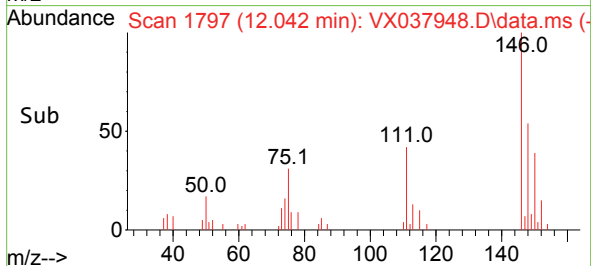


#84
1,4-Dichlorobenzene
Concen: 0.478 ug/l
RT: 12.042 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037948.D
Acq: 28 Sep 2023 14:14

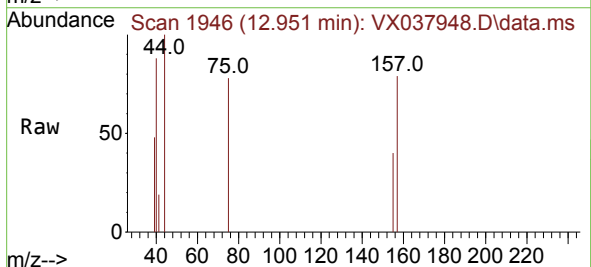
Instrument :
MSVOA_X
ClientSampleId :



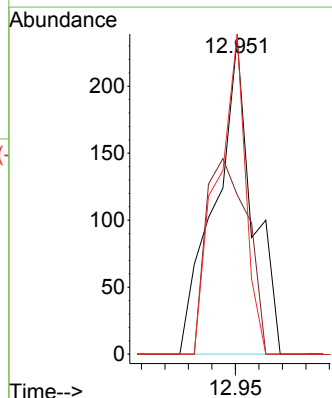
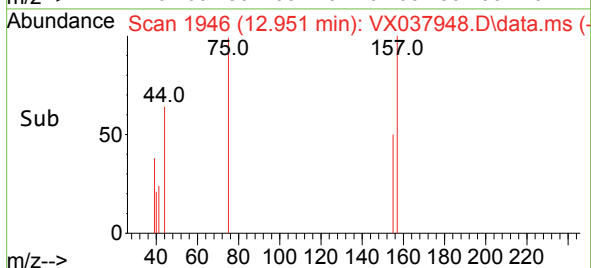
Tgt Ion:146 Resp: 3137
Ion Ratio Lower Upper
146 100
111 45.2 20.2 60.6
148 66.1 32.1 96.3

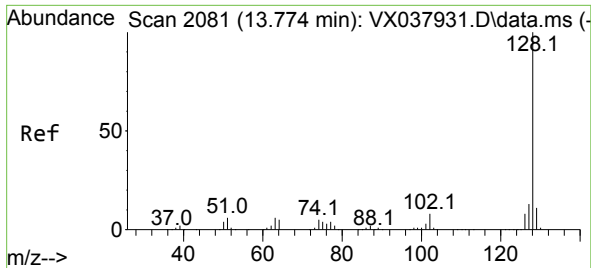


#88
1,2-Dibromo-3-Chloropropane
Concen: 0.302 ug/l
RT: 12.951 min Scan# 1946
Delta R.T. 0.006 min
Lab File: VX037948.D
Acq: 28 Sep 2023 14:14



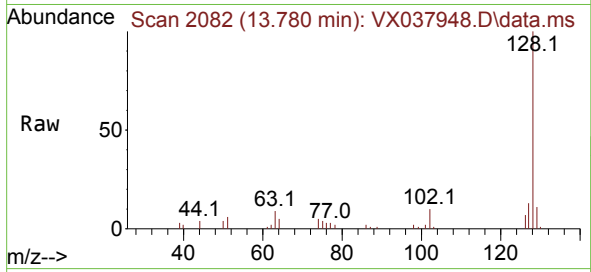
Tgt Ion: 75 Resp: 262
Ion Ratio Lower Upper
75 100
155 68.3 62.7 94.1
157 76.7 81.5 122.3#





#91
Naphthalene
Concen: 0.892 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX037948.D
Acq: 28 Sep 2023 14:14

Instrument :
MSVOA_X
ClientSampleId :



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

