

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070622\
 Data File : VX029937.D
 Acq On : 06 Jul 2022 12:33
 Operator : JC/MD
 Sample : N3591-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GWOW-BR-03-64-80-070522

Quant Time: Jul 07 02:34:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 05:54:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	199478	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	334840	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	281225	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	112578	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	106584	42.211	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	84.420%
35) Dibromofluoromethane	5.385	113	98152	46.905	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.800%
50) Toluene-d8	8.653	98	379600	48.355	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.720%
62) 4-Bromofluorobenzene	11.085	95	119392	43.025	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.060%

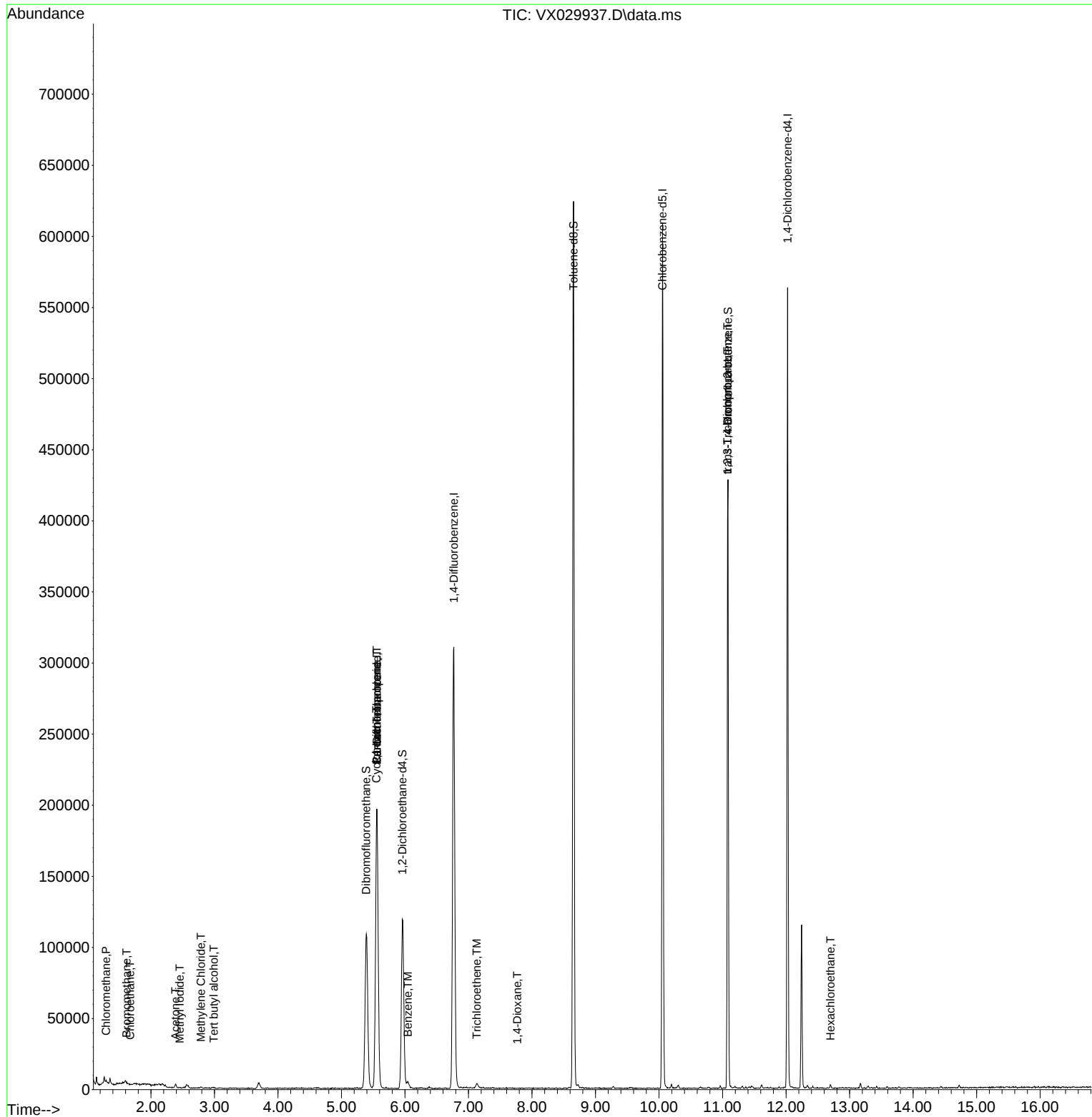
Target Compounds			Qvalue			
3) Chloromethane	1.294	50	458	0.204	ug/l #	85
5) Bromomethane	1.618	94	364	0.296	ug/l #	69
6) Chloroethane	1.672	64	95	1.094	ug/l #	41
10) Methyl Iodide	2.453	142	597	2.083	ug/l #	95
11) Tert butyl alcohol	2.989	59	694	1.051	ug/l #	74
13) Acrolein	2.197	56	62	Below Cal	#	14
16) Acetone	2.386	43	2728	2.208	ug/l	94
20) Methylene Chloride	2.788	84	588	0.225	ug/l #	80
31) Cyclohexane	5.550	56	4006	1.138	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	14165	5.090	ug/l #	48
38) Carbon Tetrachloride	5.556	117	18403	7.631	ug/l #	19
40) Benzene	6.044	78	4487	0.499	ug/l #	88
44) Trichloroethene	7.129	130	1259	0.519	ug/l	89
49) 1,4-Dioxane	7.769	88	23	0.357	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	55139	20.460	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	55139	64.976	ug/l #	13
90) Hexachloroethane	12.701	117	1112	1.011	ug/l #	16

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

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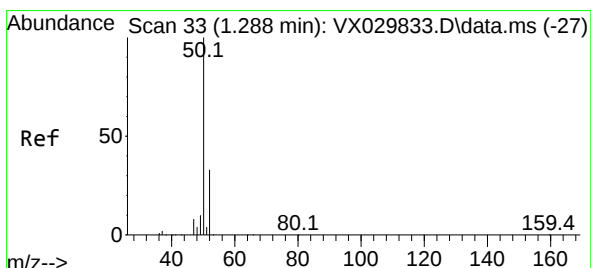
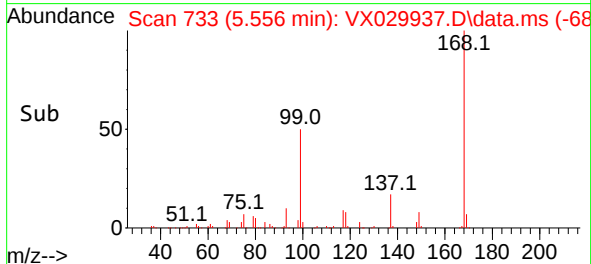
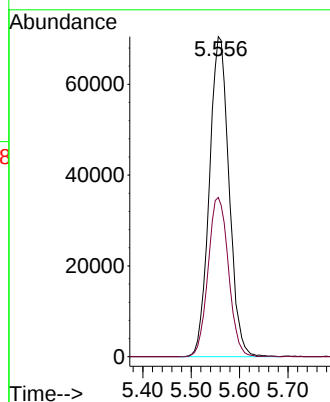
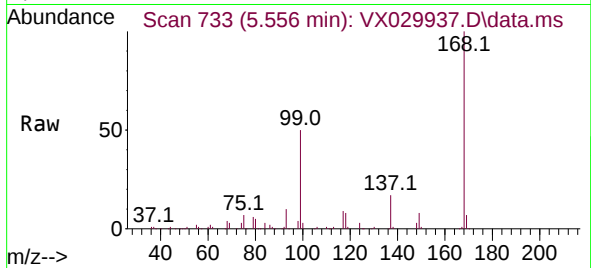




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029937.D
Acq: 06 Jul 2022 12:33

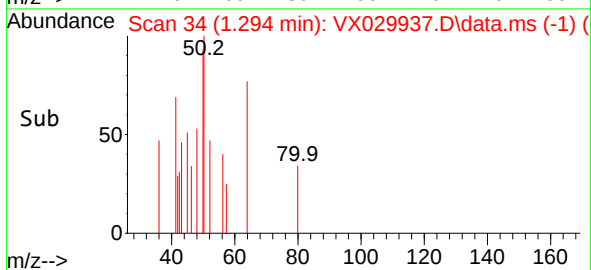
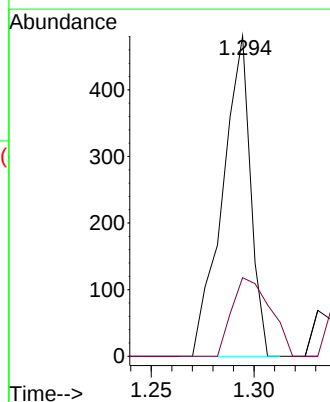
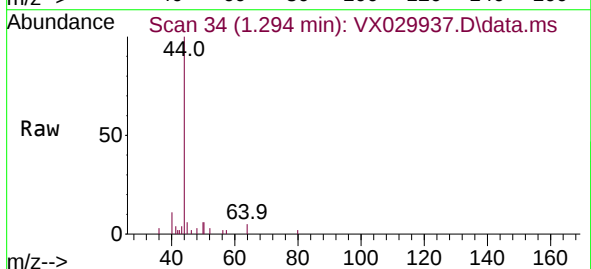
Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-03-64-80-070522

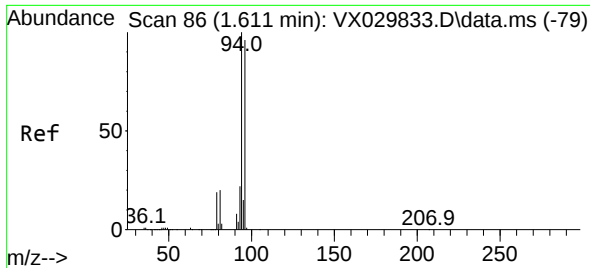
Tgt Ion:168 Resp: 199478
Ion Ratio Lower Upper
168 100
99 49.7 44.0 66.0



#3
Chloromethane
Concen: 0.204 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX029937.D
Acq: 06 Jul 2022 12:33

Tgt Ion: 50 Resp: 458
Ion Ratio Lower Upper
50 100
52 24.5 26.3 39.5

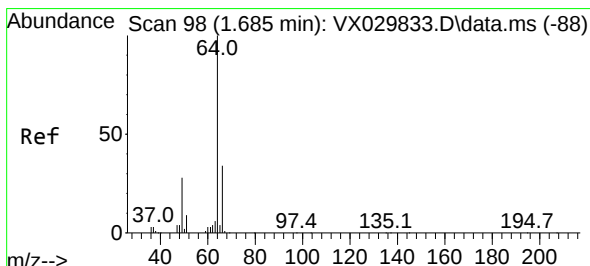
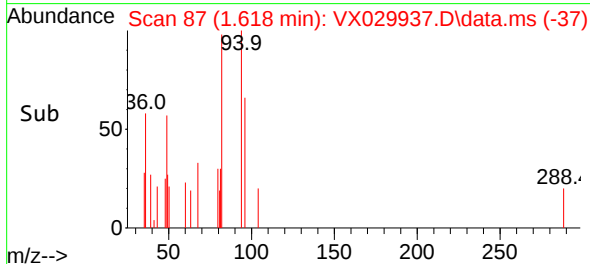
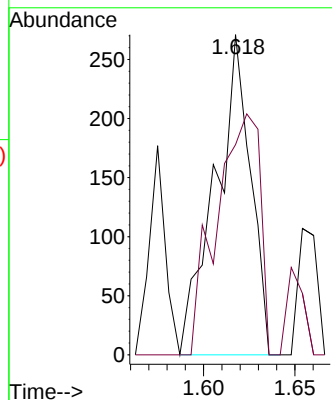
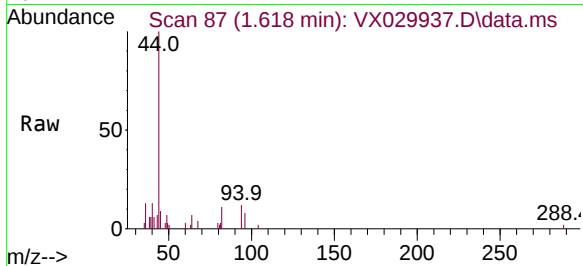




#5
Bromomethane
Concen: 0.296 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX029937.D
Acq: 06 Jul 2022 12:33

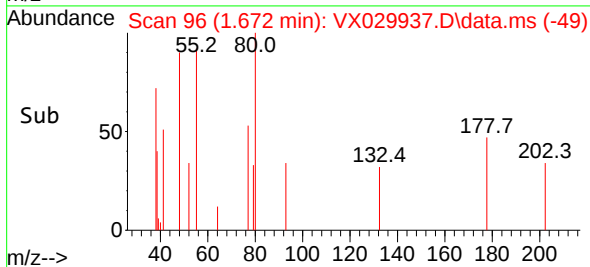
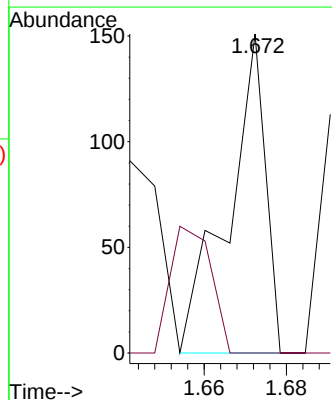
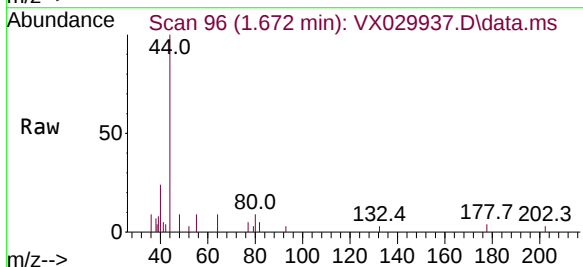
Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-03-64-80-070522

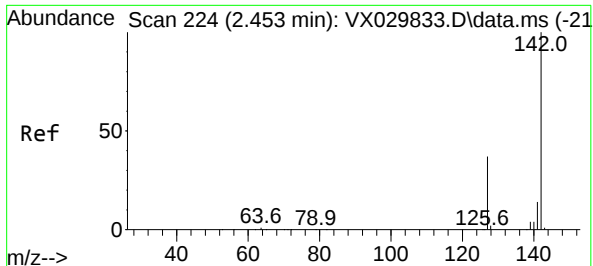
Tgt Ion: 94 Resp: 364
Ion Ratio Lower Upper
94 100
96 65.7 76.9 115.3#



#6
Chloroethane
Concen: 1.094 ug/l
RT: 1.672 min Scan# 96
Delta R.T. -0.013 min
Lab File: VX029937.D
Acq: 06 Jul 2022 12:33

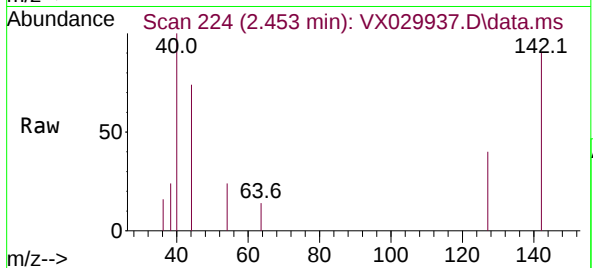
Tgt Ion: 64 Resp: 95
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



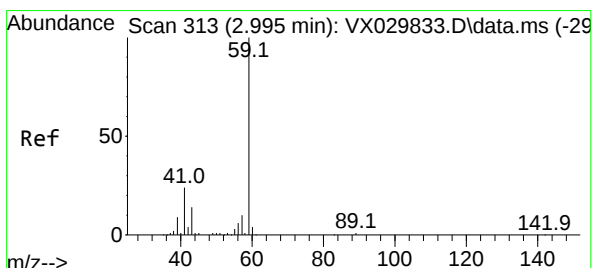
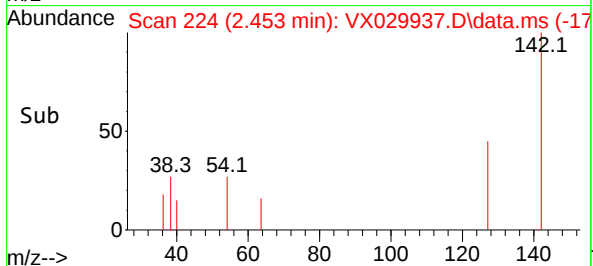
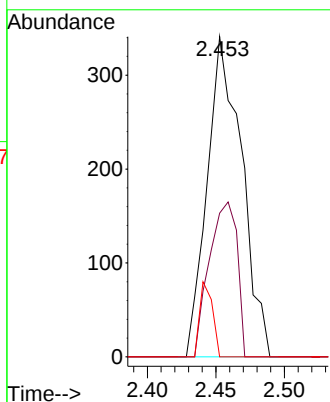


#10
Methyl Iodide
Concen: 2.083 ug/l
RT: 2.453 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX029937.D
Acq: 06 Jul 2022 12:33

Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-03-64-80-070522

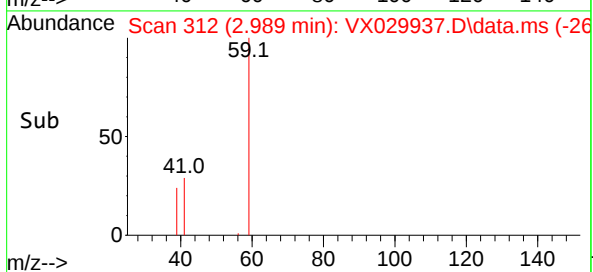
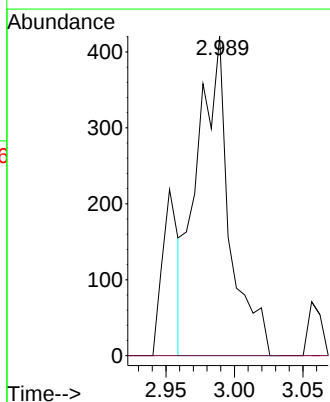
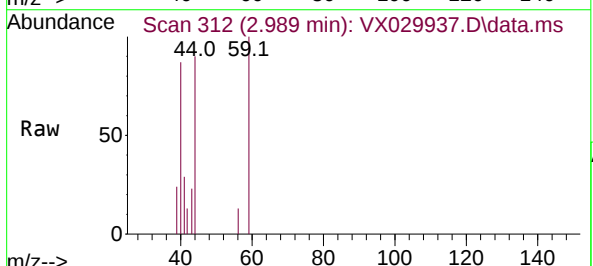


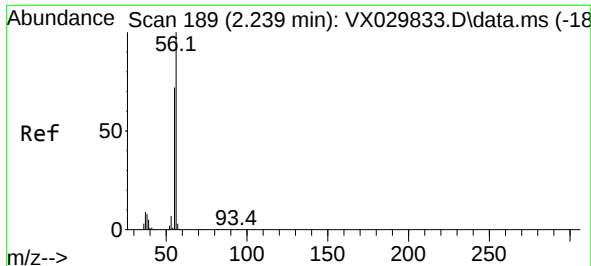
Tgt Ion:142 Resp: 597
Ion Ratio Lower Upper
142 100
127 39.0 30.2 45.2
141 8.7 11.3 16.9#



#11
Tert butyl alcohol
Concen: 1.051 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.006 min
Lab File: VX029937.D
Acq: 06 Jul 2022 12:33

Tgt Ion: 59 Resp: 694
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

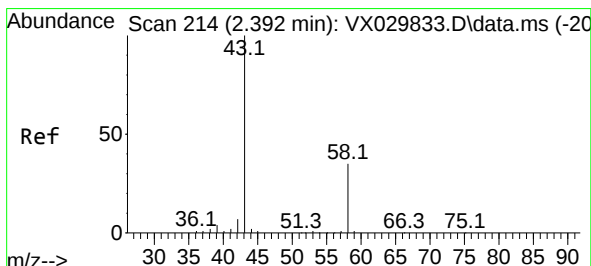
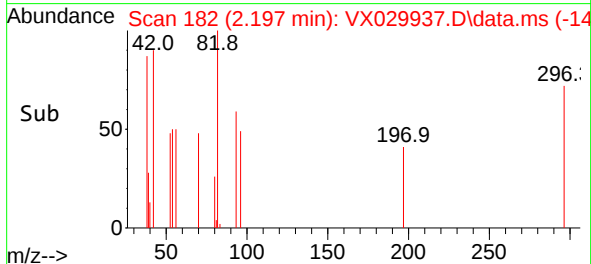
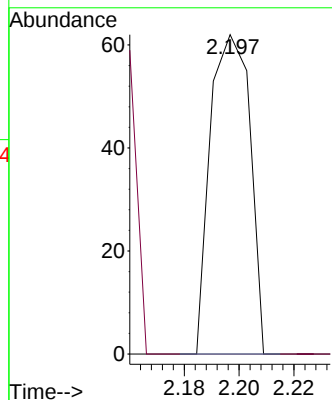
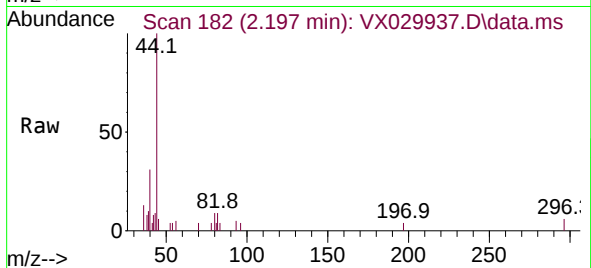




#13
Acrolein
Concen: Below Cal
RT: 2.197 min Scan# 11
Delta R.T. -0.042 min
Lab File: VX029937.D
Acq: 06 Jul 2022 12:33

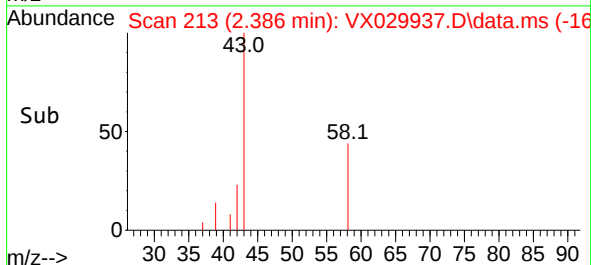
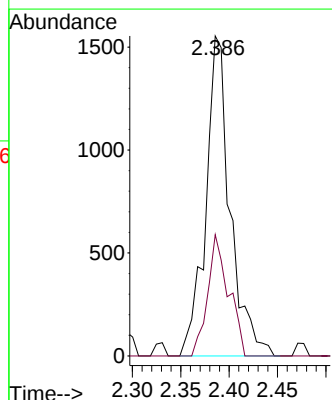
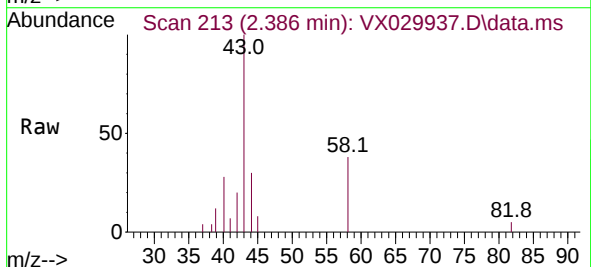
Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-03-64-80-070522

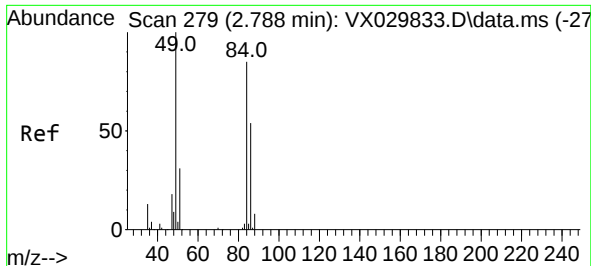
Tgt Ion: 56 Resp: 62
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#



#16
Acetone
Concen: 2.208 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX029937.D
Acq: 06 Jul 2022 12:33

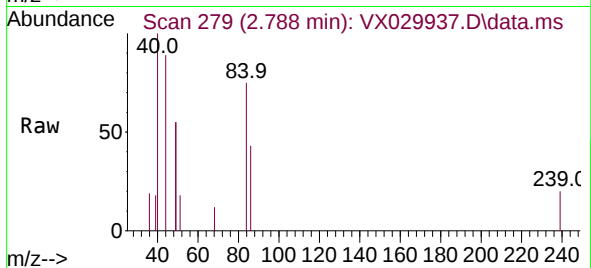
Tgt Ion: 43 Resp: 2728
Ion Ratio Lower Upper
43 100
58 37.9 27.7 41.5



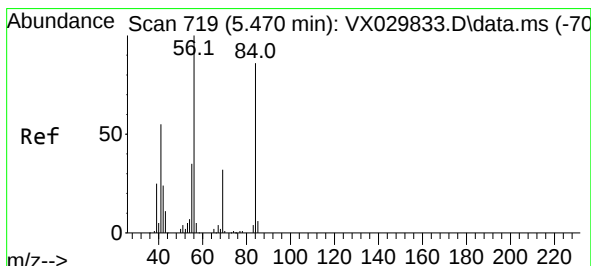
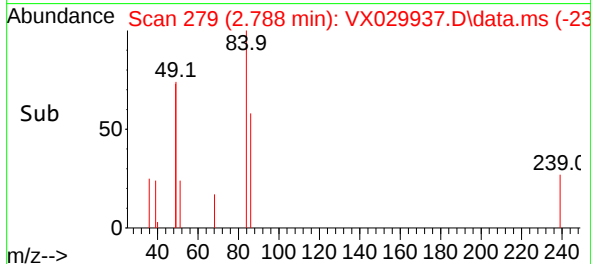
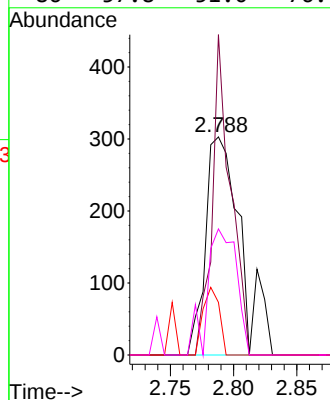


#20
Methylene Chloride
Concen: 0.225 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX029937.D
Acq: 06 Jul 2022 12:33

Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-03-64-80-070522

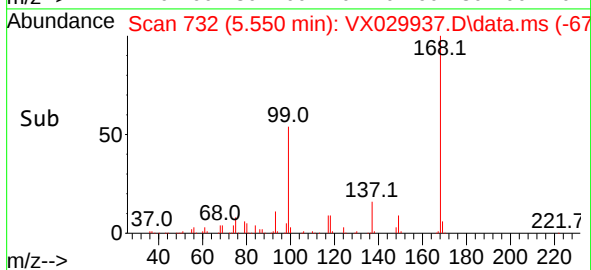
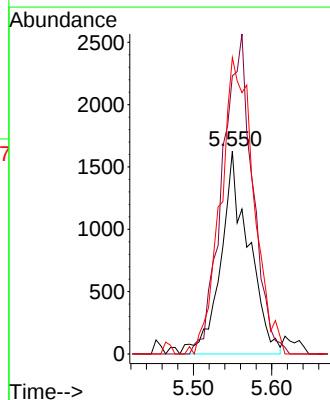
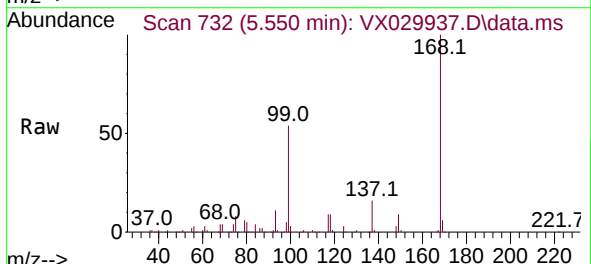


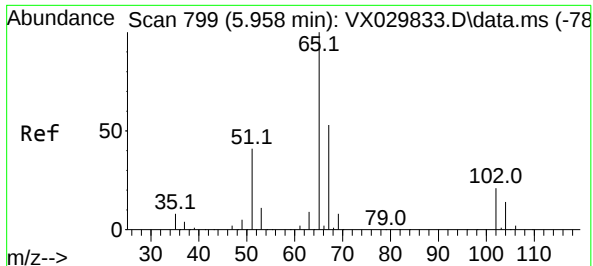
Tgt Ion:	84	Resp:	588
Ion	Ratio	Lower	Upper
84	100		
49	146.9	93.8	140.6#
51	24.1	29.4	44.0#
86	57.8	51.0	76.4



#31
Cyclohexane
Concen: 1.138 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX029937.D
Acq: 06 Jul 2022 12:33

Tgt Ion:	56	Resp:	4006
Ion	Ratio	Lower	Upper
56	100		
69	137.1	25.4	38.0#
84	146.2	68.9	103.3#





#33

1,2-Dichloroethane-d4

Concen: 42.211 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029937.D

Acq: 06 Jul 2022 12:33

Instrument :

MSVOA_X

ClientSampleId :

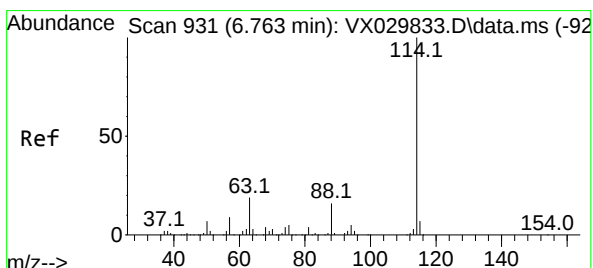
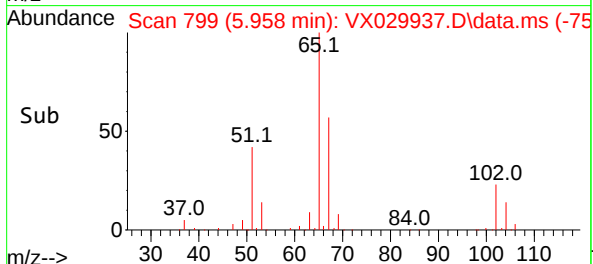
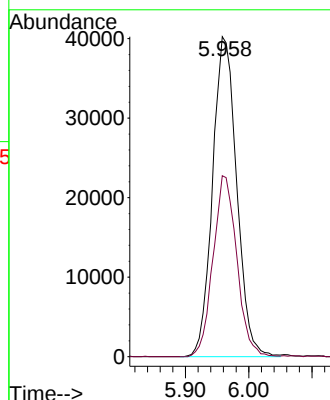
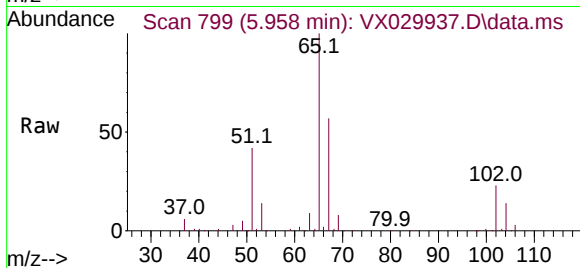
GWOW-BR-03-64-80-070522

Tgt Ion: 65 Resp: 106584

Ion Ratio Lower Upper

65 100

67 55.6 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX029937.D

Acq: 06 Jul 2022 12:33

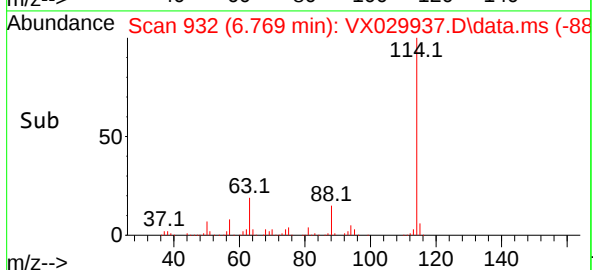
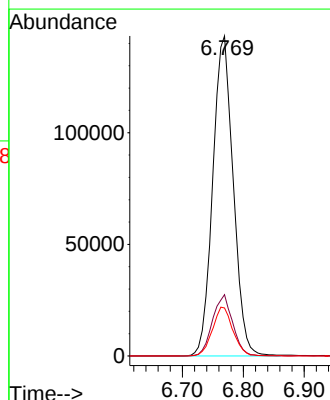
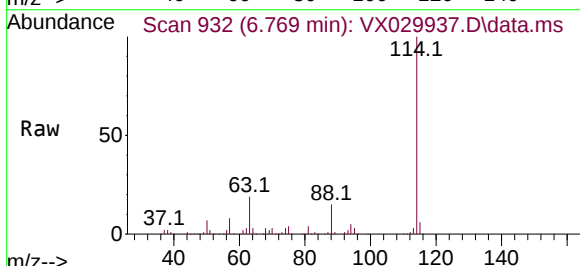
Tgt Ion: 114 Resp: 334840

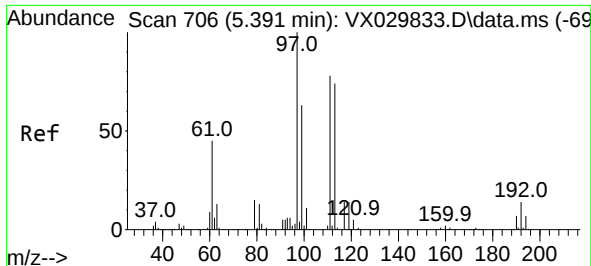
Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.4

88 15.0 0.0 31.8





#35

Dibromofluoromethane

Concen: 46.905 ug/l

RT: 5.385 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX029937.D

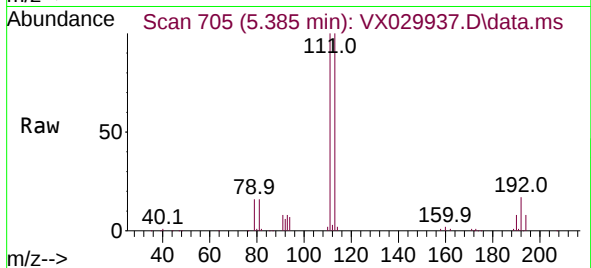
Acq: 06 Jul 2022 12:33

Instrument :

MSVOA_X

ClientSampleId :

GWOW-BR-03-64-80-070522



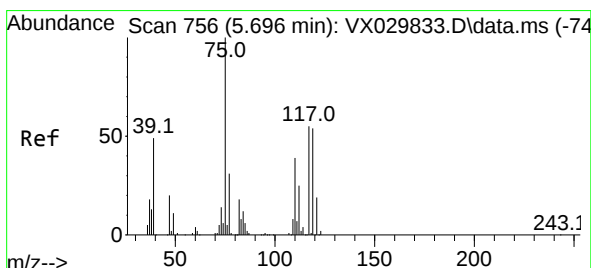
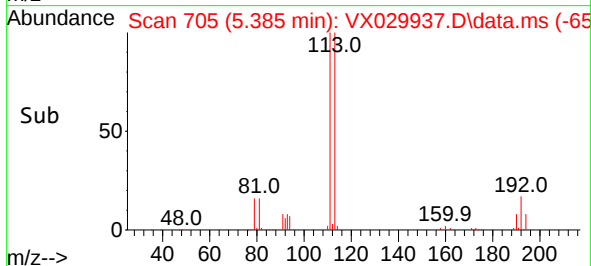
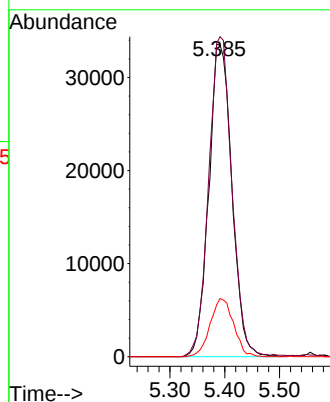
Tgt Ion:113 Resp: 98152

Ion Ratio Lower Upper

113 100

111 102.8 83.2 124.8

192 18.9 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.090 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX029937.D

Acq: 06 Jul 2022 12:33

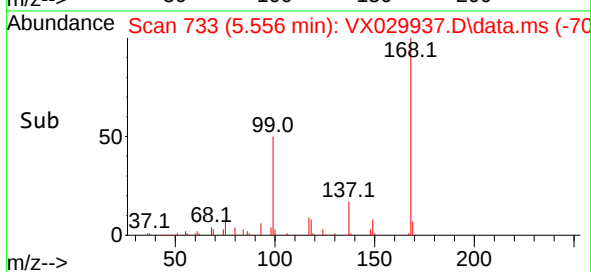
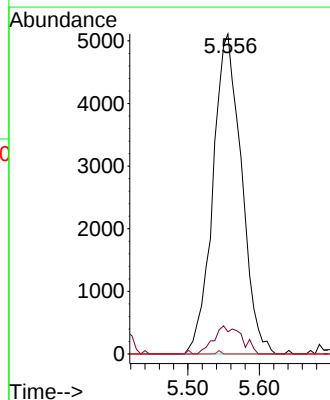
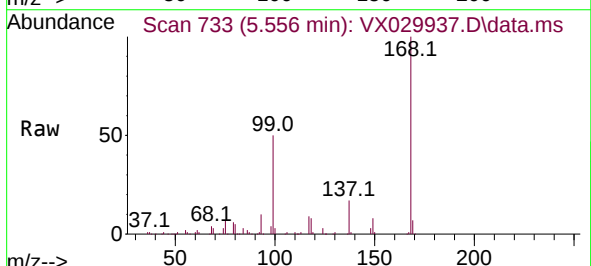
Tgt Ion: 75 Resp: 14165

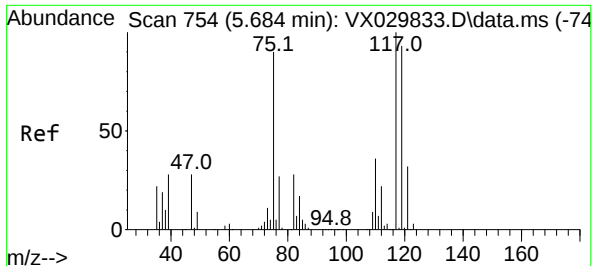
Ion Ratio Lower Upper

75 100

110 8.5 19.3 57.9#

77 0.1 24.4 36.6#

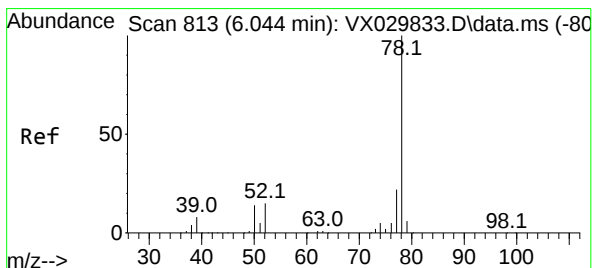
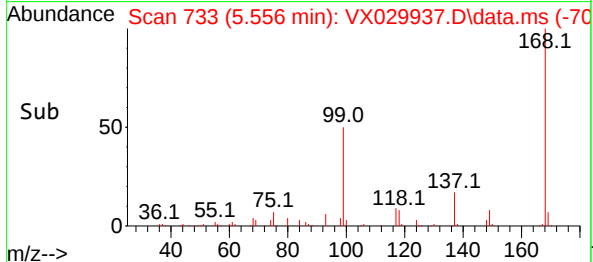
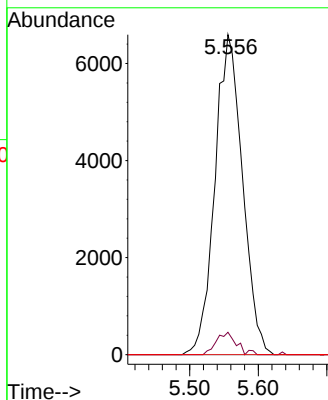
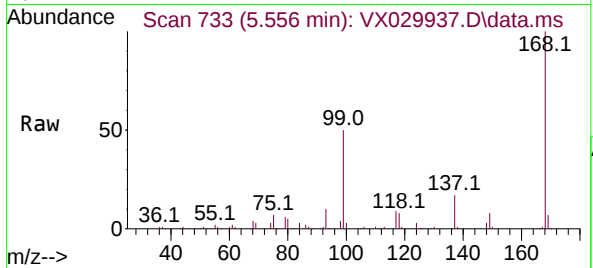




#38
Carbon Tetrachloride
Concen: 7.631 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX029937.D
Acq: 06 Jul 2022 12:33

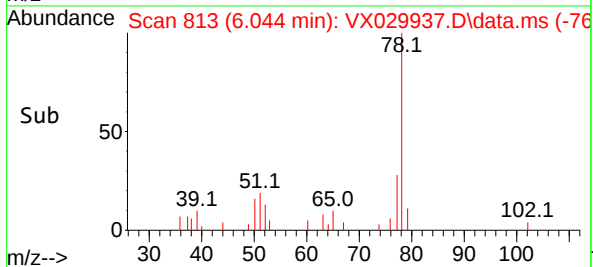
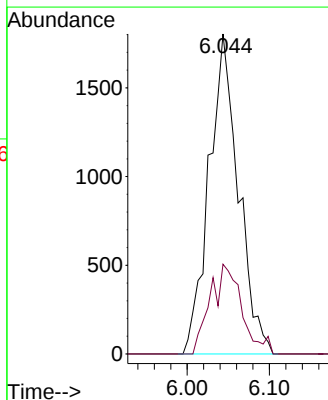
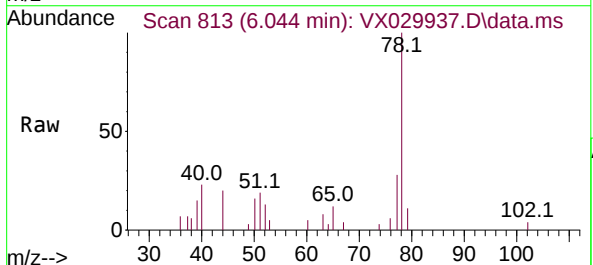
Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-03-64-80-070522

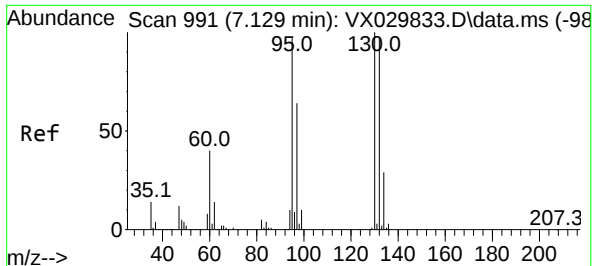
Tgt Ion:117 Resp: 18403
Ion Ratio Lower Upper
117 100
119 7.0 74.1 111.1#
121 0.0 25.8 38.8#



#40
Benzene
Concen: 0.499 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.000 min
Lab File: VX029937.D
Acq: 06 Jul 2022 12:33

Tgt Ion: 78 Resp: 4487
Ion Ratio Lower Upper
78 100
77 28.0 18.0 27.0#

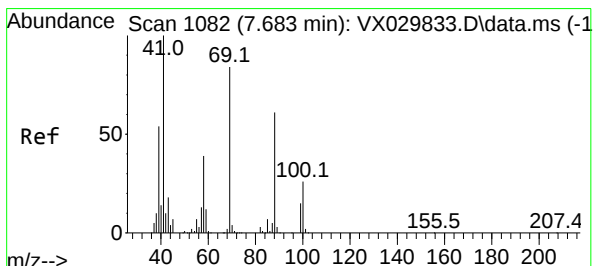
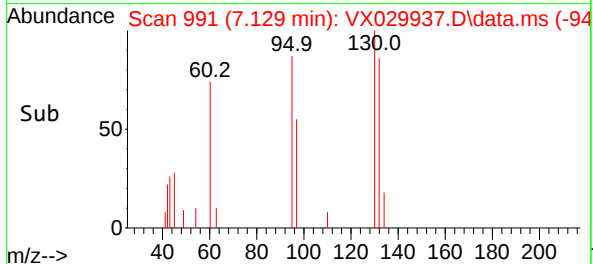
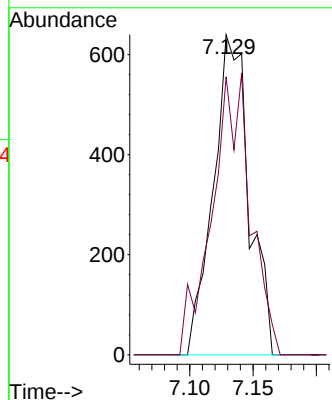
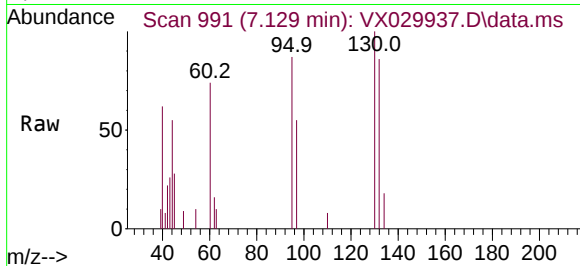




#44
Trichloroethene
Concen: 0.519 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX029937.D
Acq: 06 Jul 2022 12:33

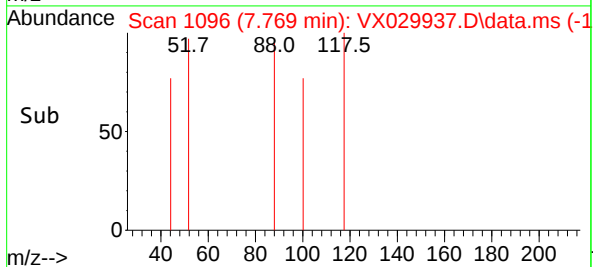
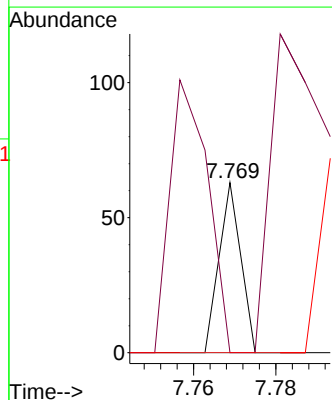
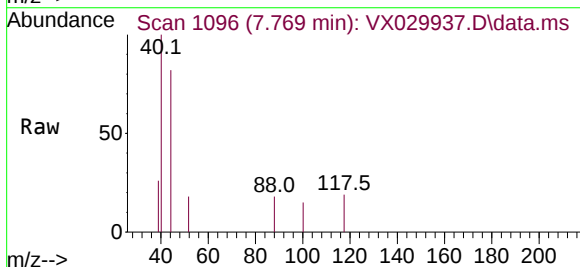
Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-03-64-80-070522

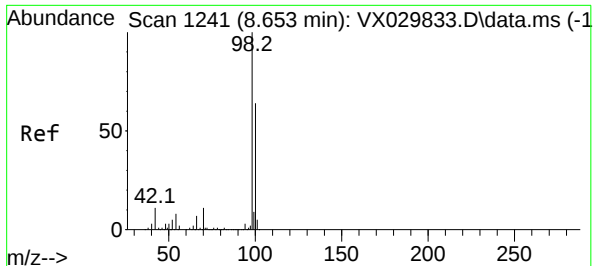
Tgt Ion:130 Resp: 1259
Ion Ratio Lower Upper
130 100
95 86.9 0.0 194.8



#49
1,4-Dioxane
Concen: 0.357 ug/l
RT: 7.769 min Scan# 1096
Delta R.T. 0.085 min
Lab File: VX029937.D
Acq: 06 Jul 2022 12:33

Tgt Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 278.3 23.8 35.8#
58 0.0 53.8 80.6#

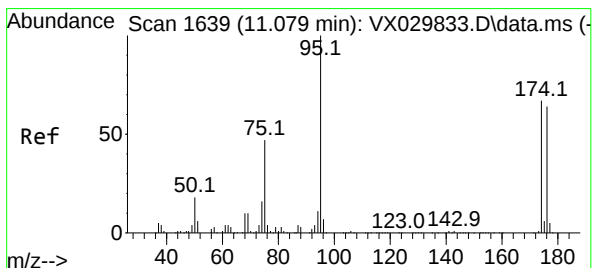
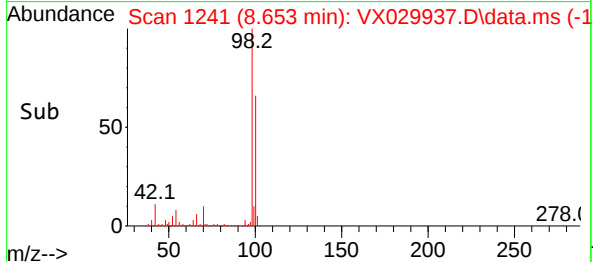
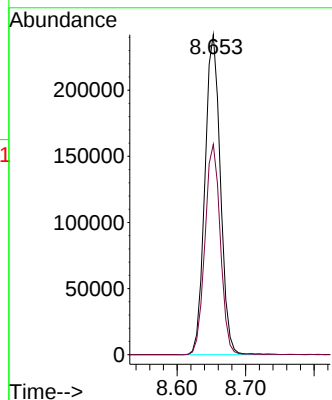
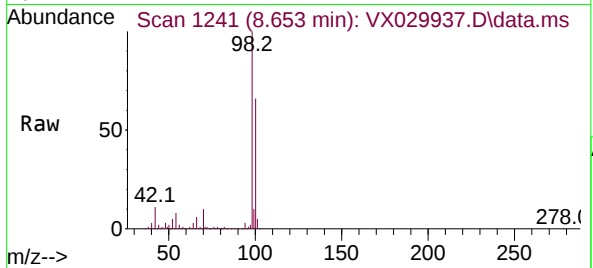




#50
Toluene-d8
Concen: 48.355 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029937.D
Acq: 06 Jul 2022 12:33

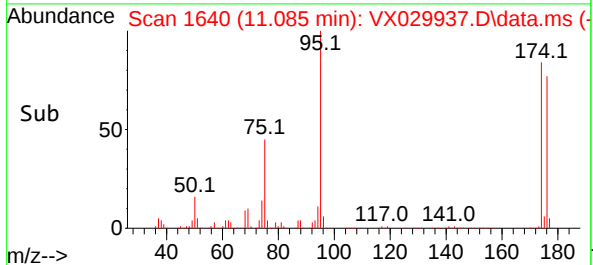
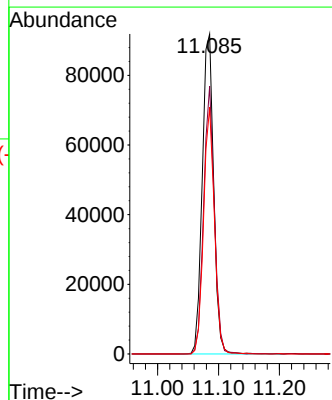
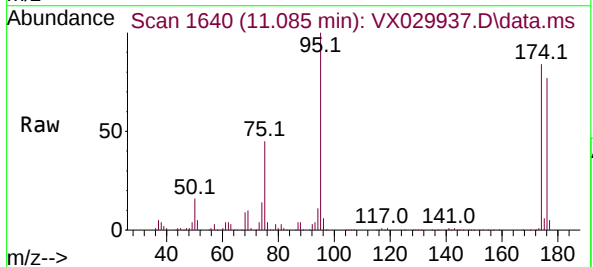
Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-03-64-80-070522

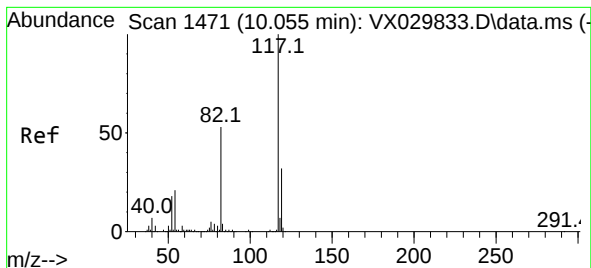
Tgt Ion: 98 Resp: 379600
Ion Ratio Lower Upper
98 100
100 65.4 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 43.025 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX029937.D
Acq: 06 Jul 2022 12:33

Tgt Ion: 95 Resp: 119392
Ion Ratio Lower Upper
95 100
174 78.8 0.0 149.0
176 73.4 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX029937.D

Acq: 06 Jul 2022 12:33

Instrument :

MSVOA_X

ClientSampleId :

GWOW-BR-03-64-80-070522

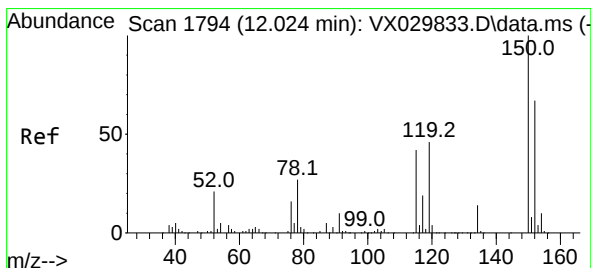
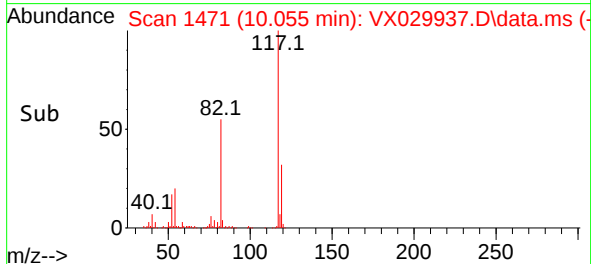
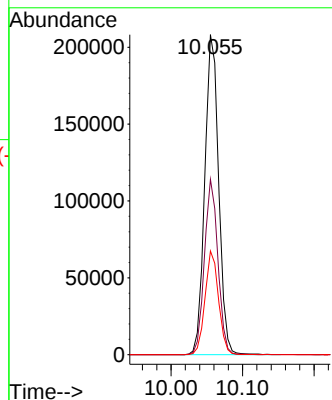
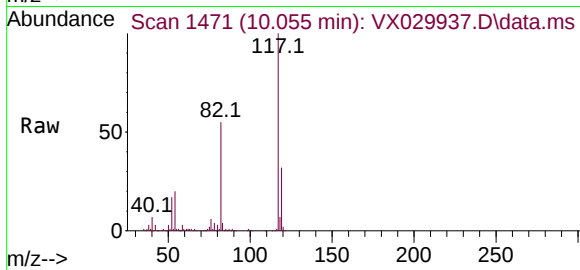
Tgt Ion:117 Resp: 281225

Ion Ratio Lower Upper

117 100

82 54.8 42.7 64.1

119 32.4 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX029937.D

Acq: 06 Jul 2022 12:33

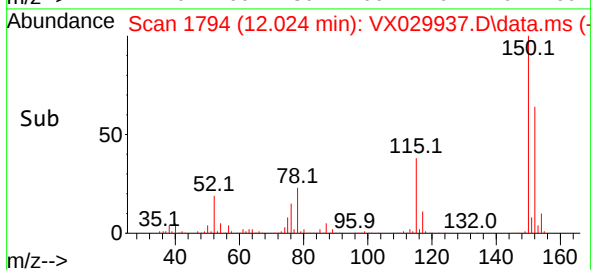
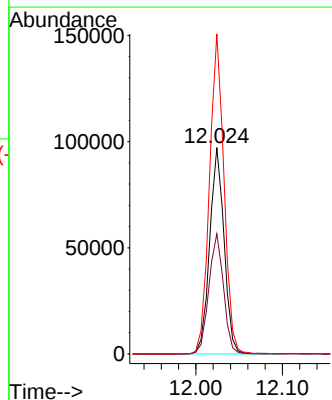
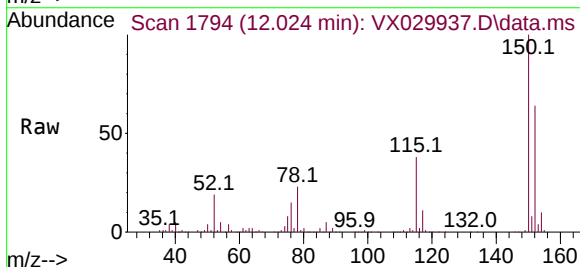
Tgt Ion:152 Resp: 112578

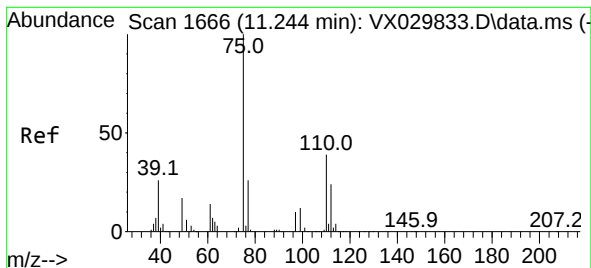
Ion Ratio Lower Upper

152 100

115 59.0 40.5 121.5

150 155.6 0.0 347.0





#76

1,2,3-Trichloropropane

Concen: 20.460 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.165 min

Lab File: VX029937.D

Acq: 06 Jul 2022 12:33

Instrument :

MSVOA_X

ClientSampleId :

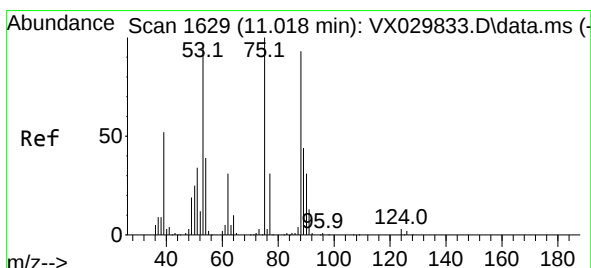
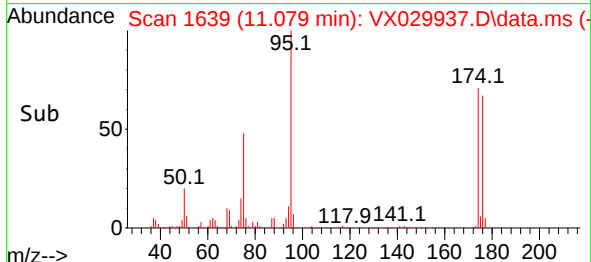
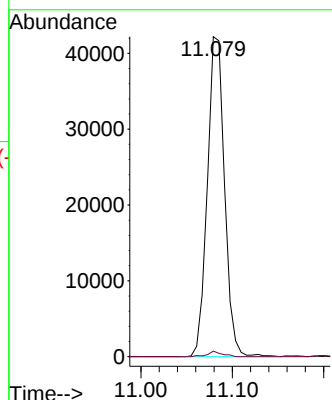
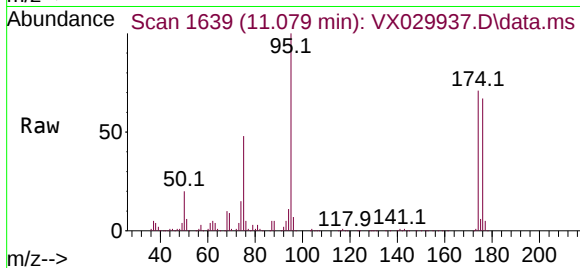
GWOW-BR-03-64-80-070522

Tgt Ion: 75 Resp: 55139

Ion Ratio Lower Upper

75 100

77 1.5 19.8 59.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.976 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX029937.D

Acq: 06 Jul 2022 12:33

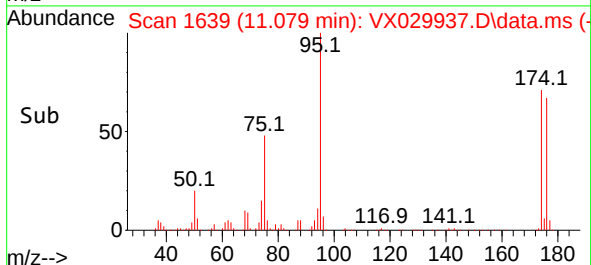
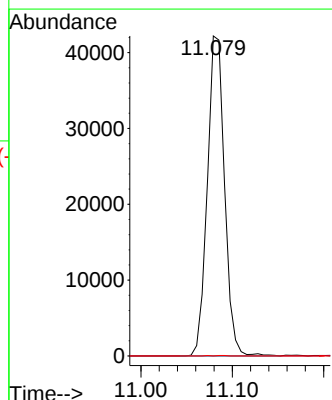
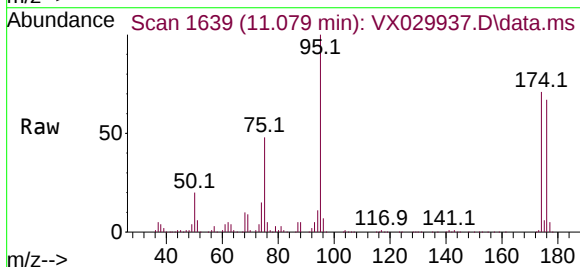
Tgt Ion: 75 Resp: 55139

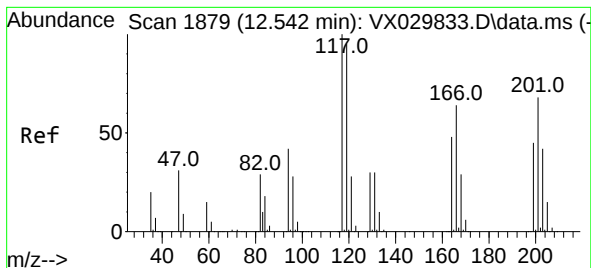
Ion Ratio Lower Upper

75 100

53 0.0 74.2 111.4#

89 0.0 34.8 52.2#





#90

Hexachloroethane

Concen: 1.011 ug/l

RT: 12.701 min Scan# 1905

Delta R.T. 0.159 min

Lab File: VX029937.D

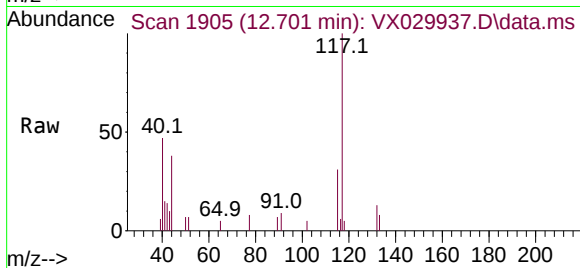
Acq: 06 Jul 2022 12:33

Instrument :

MSVOA_X

ClientSampleId :

GWOW-BR-03-64-80-070522



Tgt Ion:117 Resp: 1112

Ion Ratio Lower Upper

117 100

201 0.0 34.2 102.5#

