

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112923\
 Data File : VX039054.D
 Acq On : 29 Nov 2023 11:51
 Operator : JC/MD
 Sample : VX1129WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 30 01:38:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X112423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 27 03:22:25 2023
 Response via : Initial Calibration

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

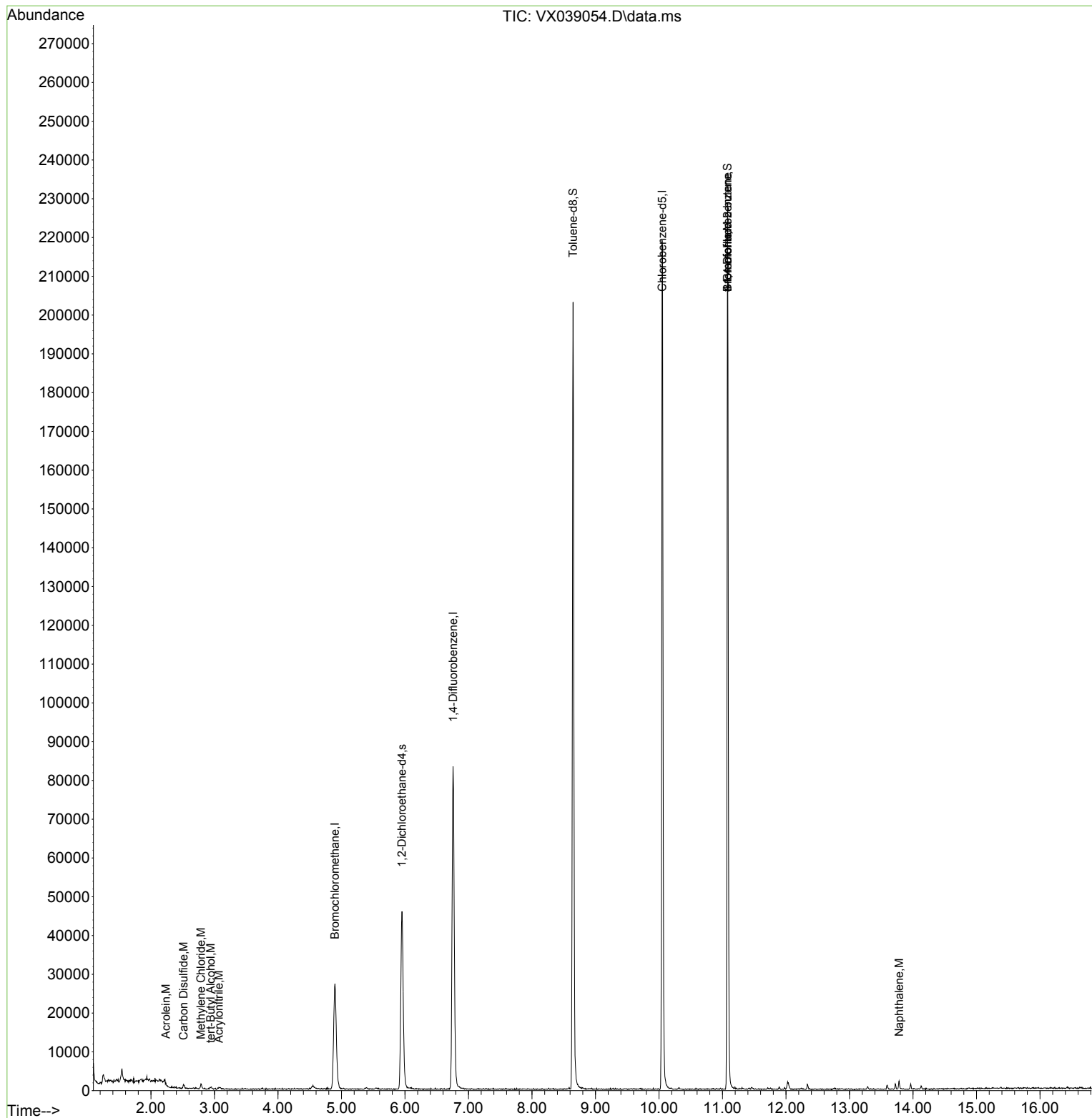
Internal Standards						
1) Bromochloromethane	4.898	128	11271	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	84202	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	102636	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	42969	27.867	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	92.900%
60) 4-Bromofluorobenzene	11.079	95	65896	29.395	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.967%
63) Toluene-d8	8.647	98	122679	30.232	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.767%
Target Compounds						
					Qvalue	
13) Acrolein	2.233	56	163	0.389	ug/l #	25
14) Acrylonitrile	3.069	53	285	0.244	ug/l #	42
16) Carbon Disulfide	2.514	76	1153	0.248	ug/l #	92
18) Methylene Chloride	2.788	84	531	0.292	ug/l #	80
23) tert-Butyl Alcohol	2.941	59	308	0.476	ug/l #	100
56) Bromoform	11.079	173	369	0.274	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	33945	34.128	ug/l #	12
91) Naphthalene	13.780	128	1684	0.207	ug/l #	93

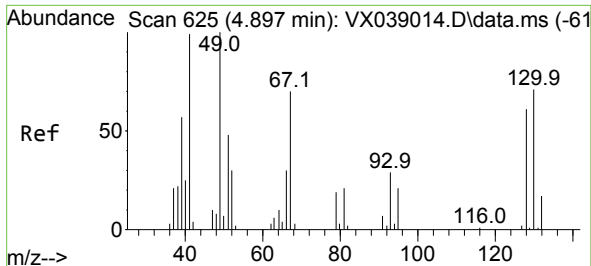
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 30 01:38:07 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X112423W.M
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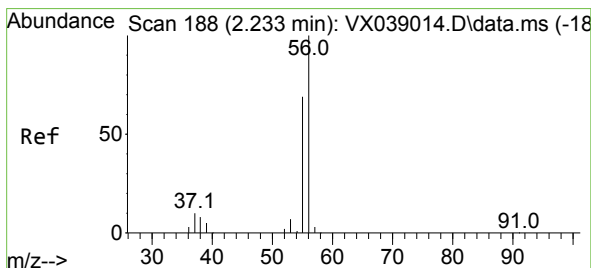
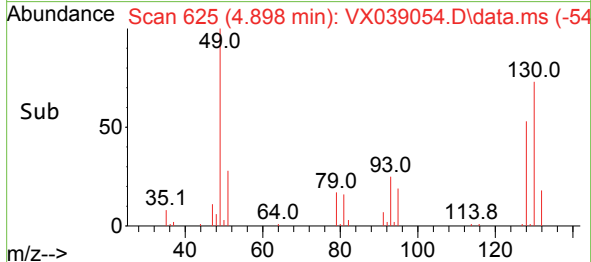
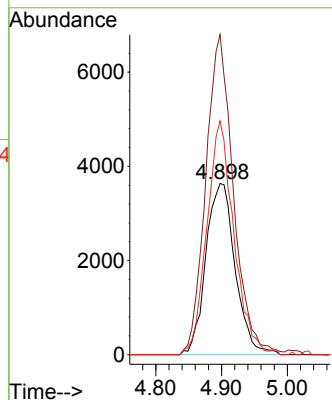
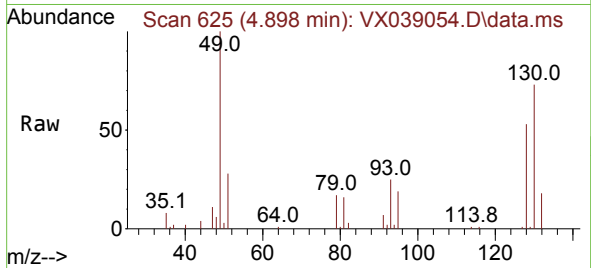




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.898 min Scan# 61
Delta R.T. 0.001 min
Lab File: VX039054.D
Acq: 29 Nov 2023 11:51

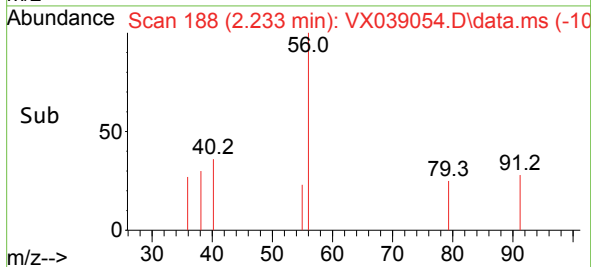
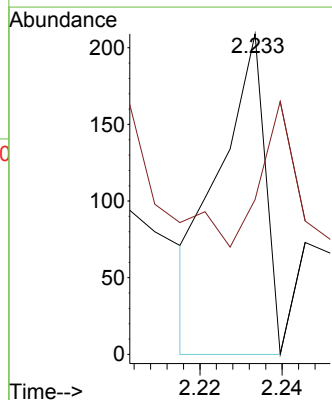
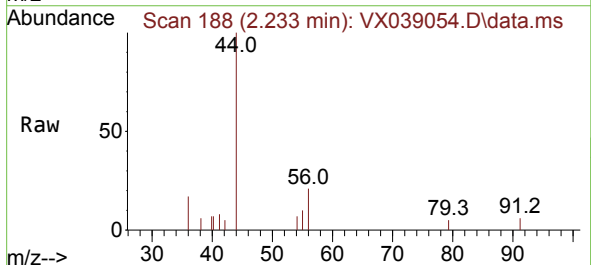
Instrument :
MSVOA_X
ClientSampleId :

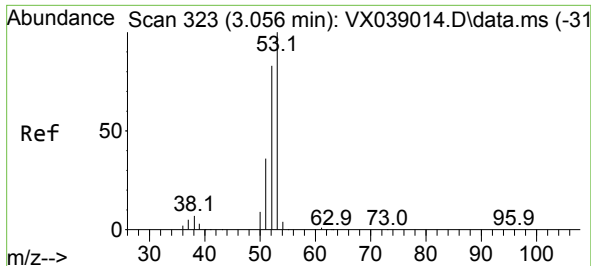
Tgt Ion:128 Resp: 11271
Ion Ratio Lower Upper
128 100
49 174.7 0.0 444.0
130 125.6 0.0 297.8



#13
Acrolein
Concen: 0.389 ug/l
RT: 2.233 min Scan# 188
Delta R.T. 0.000 min
Lab File: VX039054.D
Acq: 29 Nov 2023 11:51

Tgt Ion: 56 Resp: 163
Ion Ratio Lower Upper
56 100
55 133.7 57.2 85.8#

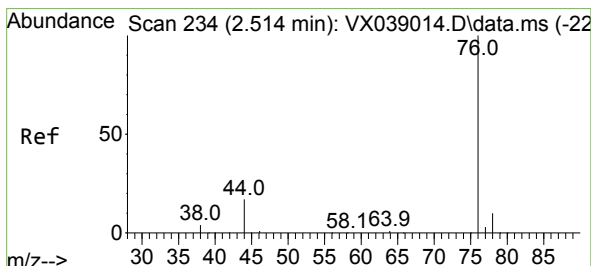
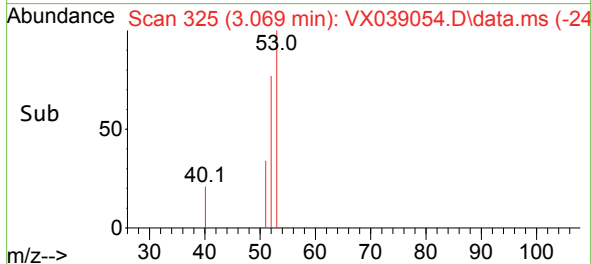
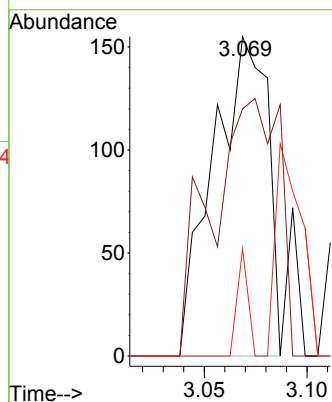
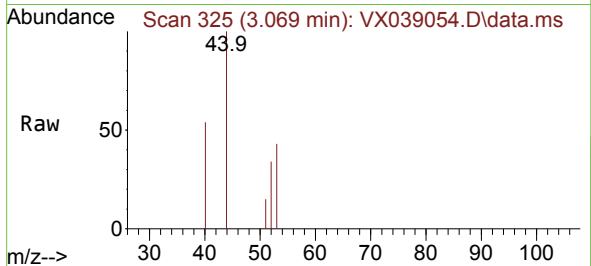




#14
Acrylonitrile
Concen: 0.244 ug/l
RT: 3.069 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX039054.D
Acq: 29 Nov 2023 11:51

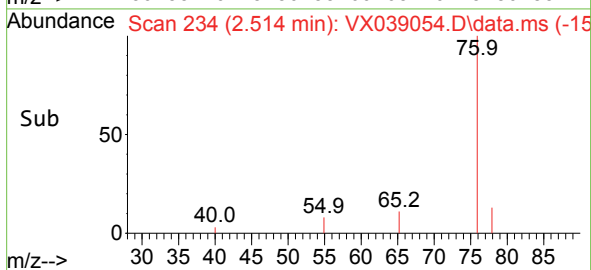
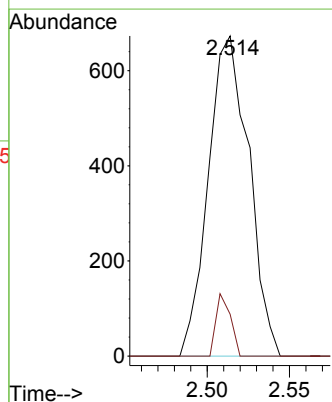
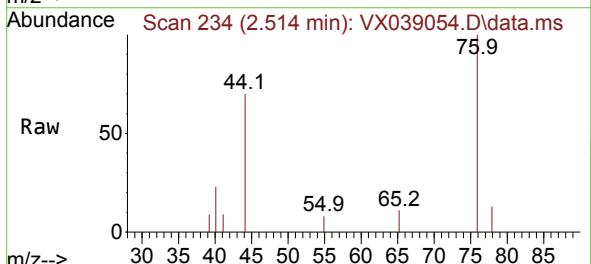
Instrument :
MSVOA_X
ClientSampleId :

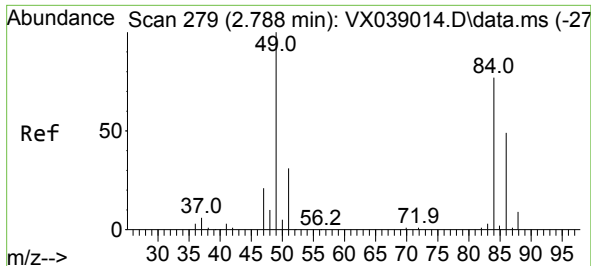
Tgt Ion: 53 Resp: 285
Ion Ratio Lower Upper
53 100
52 33.0 41.9 125.6#
51 0.0 18.3 54.9#



#16
Carbon Disulfide
Concen: 0.248 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.000 min
Lab File: VX039054.D
Acq: 29 Nov 2023 11:51

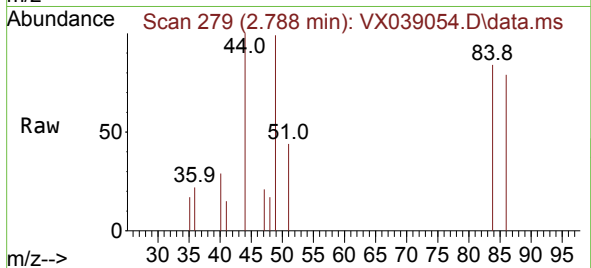
Tgt Ion: 76 Resp: 1153
Ion Ratio Lower Upper
76 100
78 13.1 8.0 12.0#



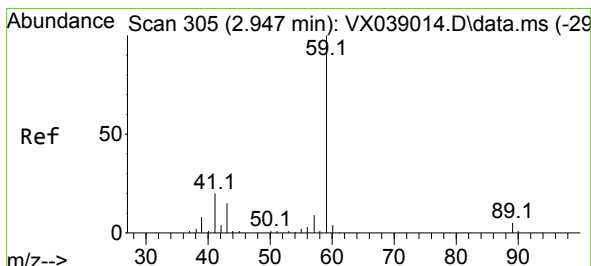
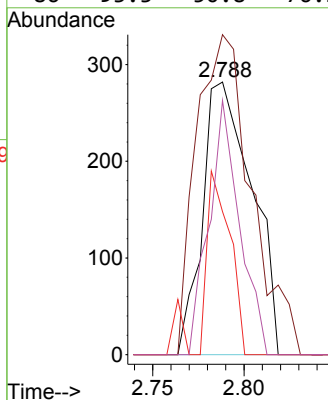
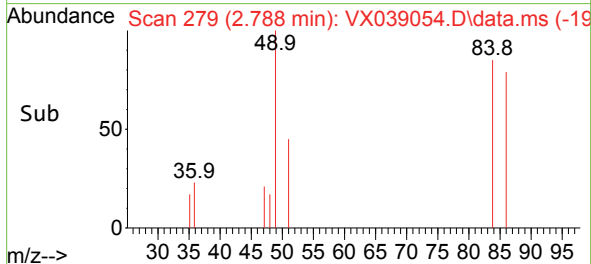


#18
Methylene Chloride
Concen: 0.292 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX039054.D
Acq: 29 Nov 2023 11:51

Instrument :
MSVOA_X
ClientSampleId :

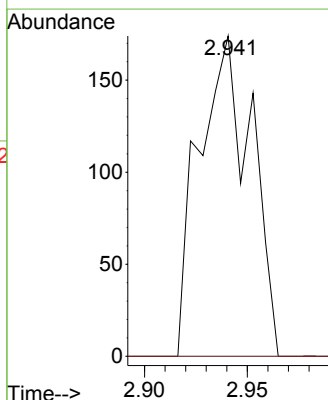
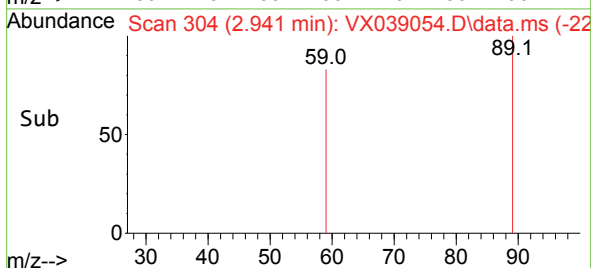
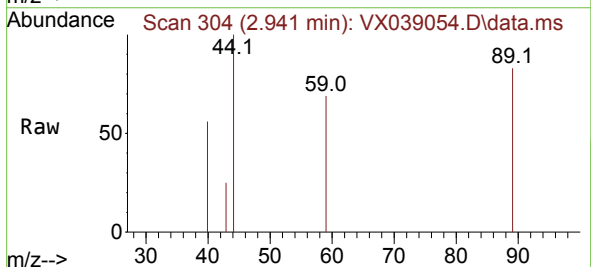


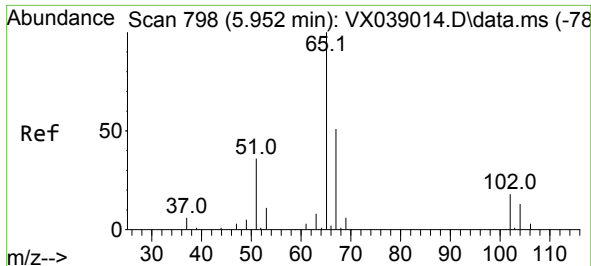
Tgt Ion: 84 Resp: 531
Ion Ratio Lower Upper
84 100
49 117.4 103.8 155.8
51 52.5 31.8 47.6#
86 93.3 50.8 76.2#



#23
tert-Butyl Alcohol
Concen: 0.476 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.006 min
Lab File: VX039054.D
Acq: 29 Nov 2023 11:51

Tgt Ion: 59 Resp: 308
Ion Ratio Lower Upper
59 100
52 25.3 0.0 0.0#





#27

1,2-Dichloroethane-d4

Concen: 27.867 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX039054.D

Acq: 29 Nov 2023 11:51

Instrument :

MSVOA_X

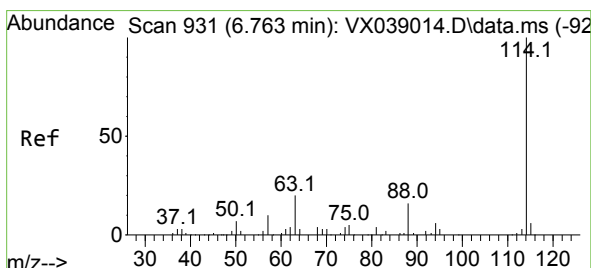
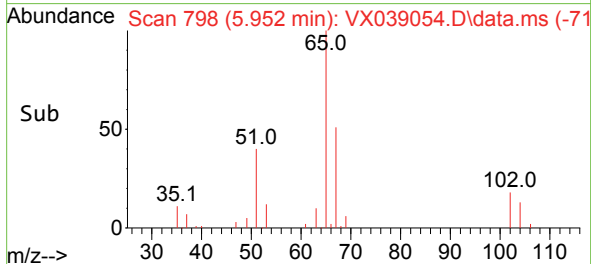
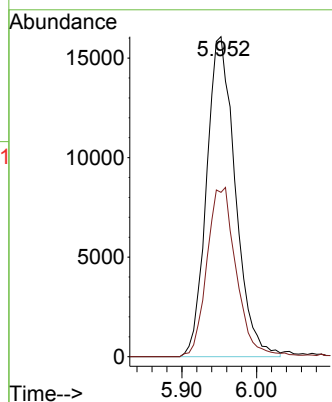
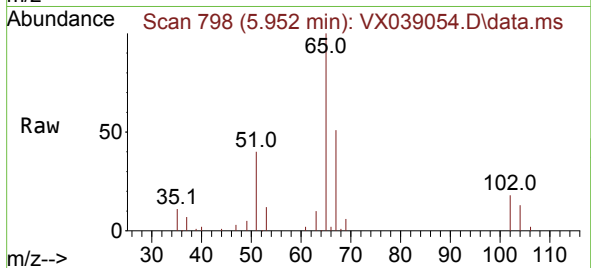
ClientSampleId :

Tgt Ion: 65 Resp: 42969

Ion Ratio Lower Upper

65 100

67 53.6 42.5 63.7



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX039054.D

Acq: 29 Nov 2023 11:51

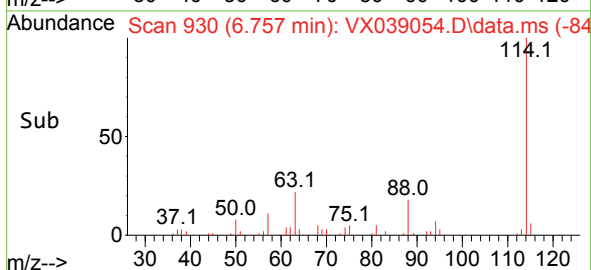
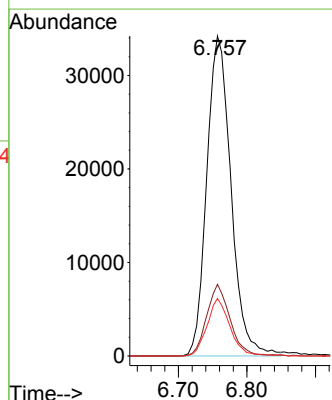
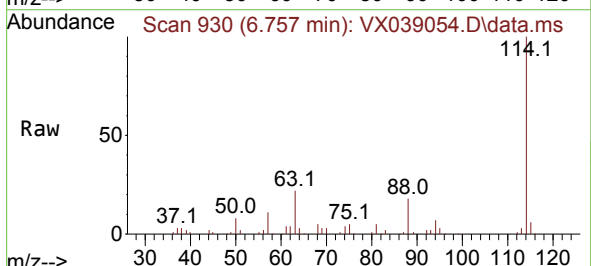
Tgt Ion: 114 Resp: 84202

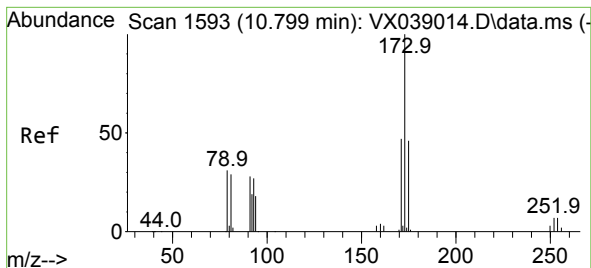
Ion Ratio Lower Upper

114 100

63 21.4 17.0 25.4

88 16.9 12.7 19.1





#56

Bromoform

Concen: 0.274 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.281 min

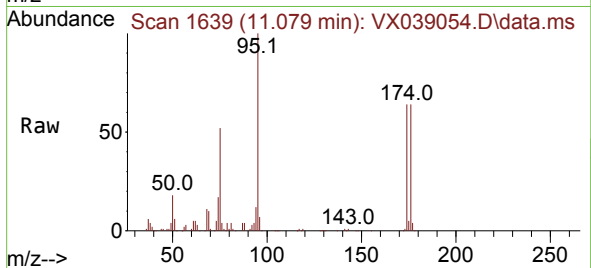
Lab File: VX039054.D

Acq: 29 Nov 2023 11:51

Instrument :

MSVOA_X

ClientSampleId :



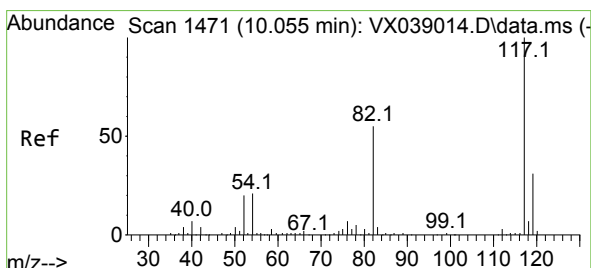
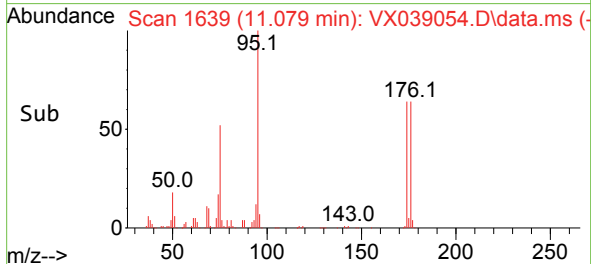
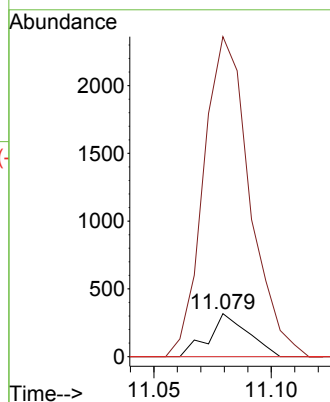
Tgt Ion:173 Resp: 369

Ion Ratio Lower Upper

173 100

175 877.5 37.6 56.4#

254 0.0 5.8 8.8#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.006 min

Lab File: VX039054.D

Acq: 29 Nov 2023 11:51

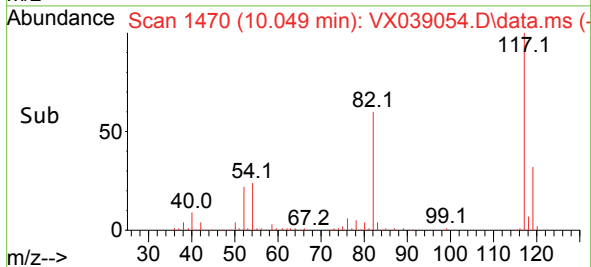
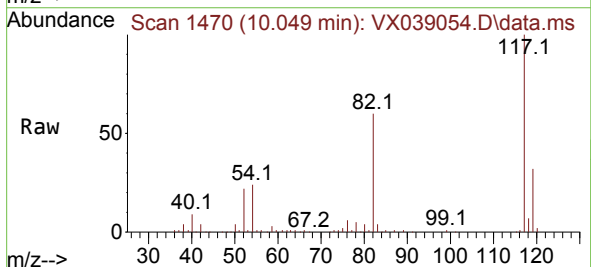
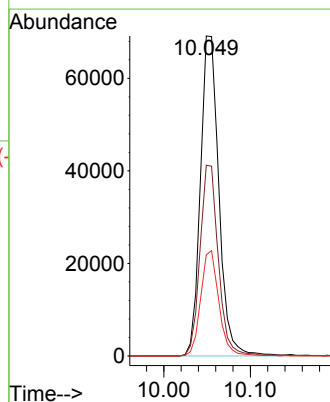
Tgt Ion:117 Resp: 102636

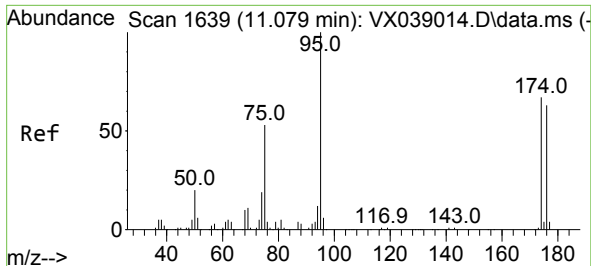
Ion Ratio Lower Upper

117 100

82 59.0 47.0 70.6

119 32.3 25.2 37.8

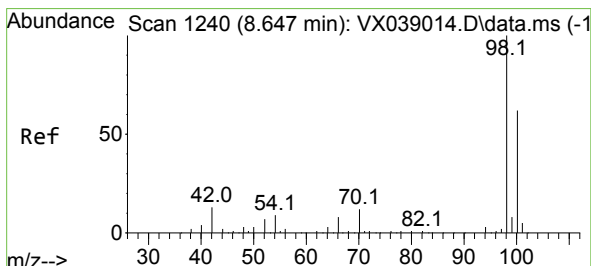
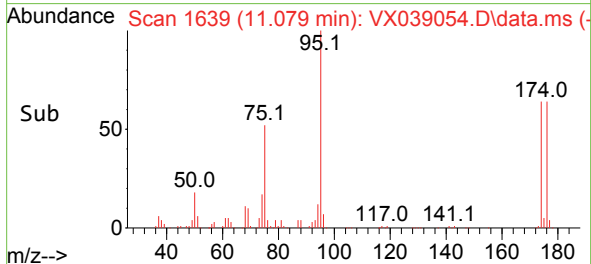
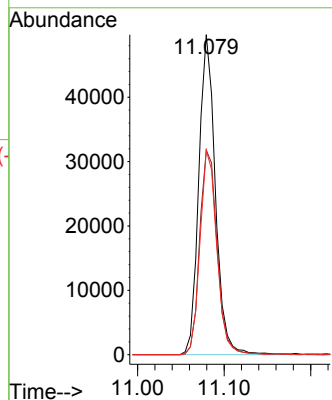
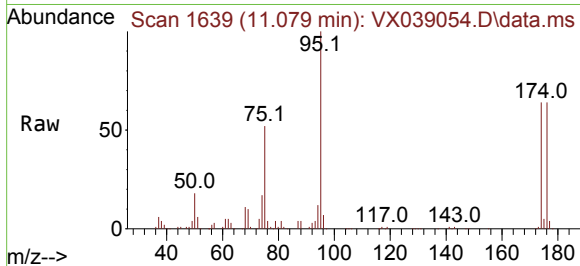




#60
4-Bromofluorobenzene
Concen: 29.395 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039054.D
Acq: 29 Nov 2023 11:51

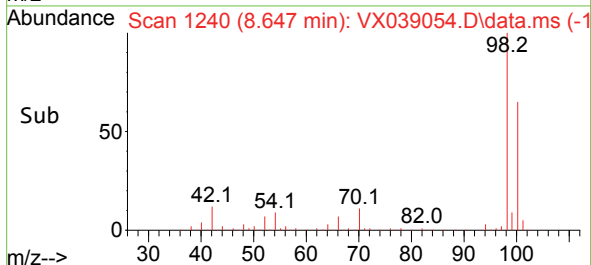
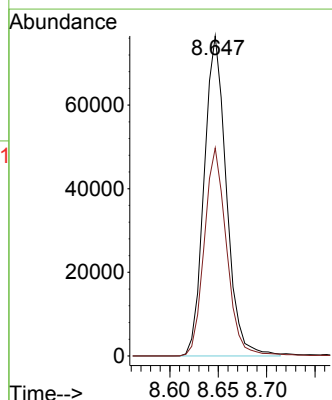
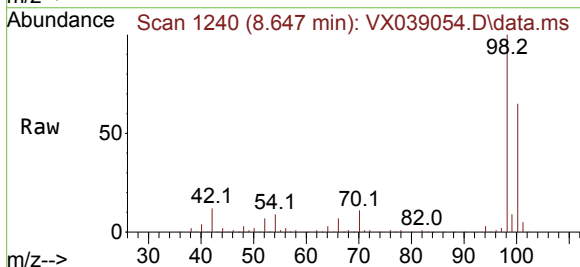
Instrument :
MSVOA_X
ClientSampleId :

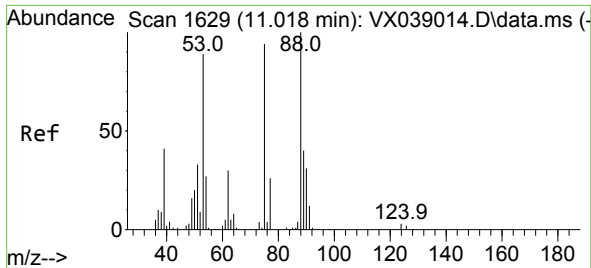
Tgt Ion: 95 Resp: 65896
Ion Ratio Lower Upper
95 100
174 67.6 55.4 83.2
176 64.7 52.6 78.8



#63
Toluene-d8
Concen: 30.232 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX039054.D
Acq: 29 Nov 2023 11:51

Tgt Ion: 98 Resp: 122679
Ion Ratio Lower Upper
98 100
100 65.3 51.0 76.4

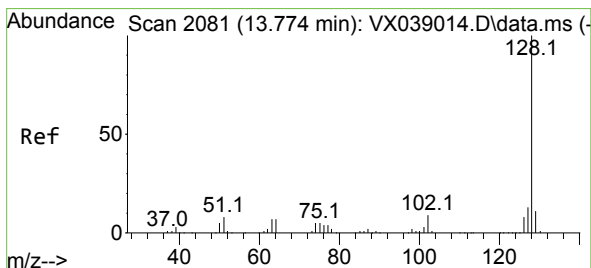
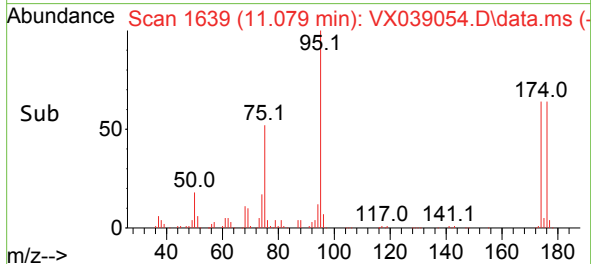
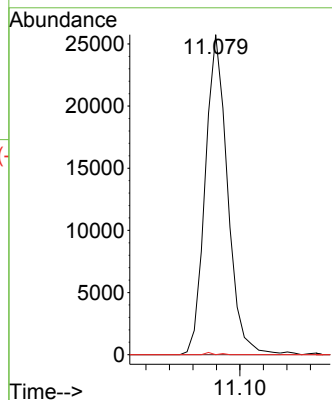
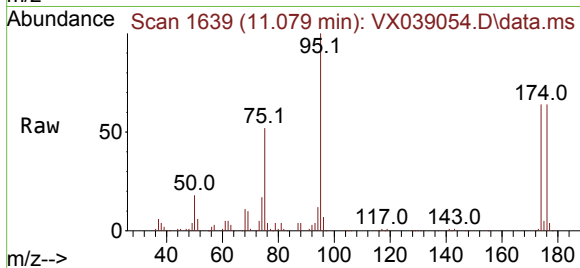




#77
t-1,4-Dichloro-2-butene
Concen: 34.128 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX039054.D
Acq: 29 Nov 2023 11:51

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 33945
Ion Ratio Lower Upper
75 100
53 0.0 46.9 140.8#
89 0.0 21.3 63.7#



#91
Naphthalene
Concen: 0.207 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX039054.D
Acq: 29 Nov 2023 11:51

Tgt Ion:128 Resp: 1684
Ion Ratio Lower Upper
128 100
127 11.5 10.2 15.2
129 6.5 8.6 12.8#

