

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112823\
 Data File : VX039047.D
 Acq On : 28 Nov 2023 11:13
 Operator : JC/MD
 Sample : VX1128WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 29 01:28:54 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)

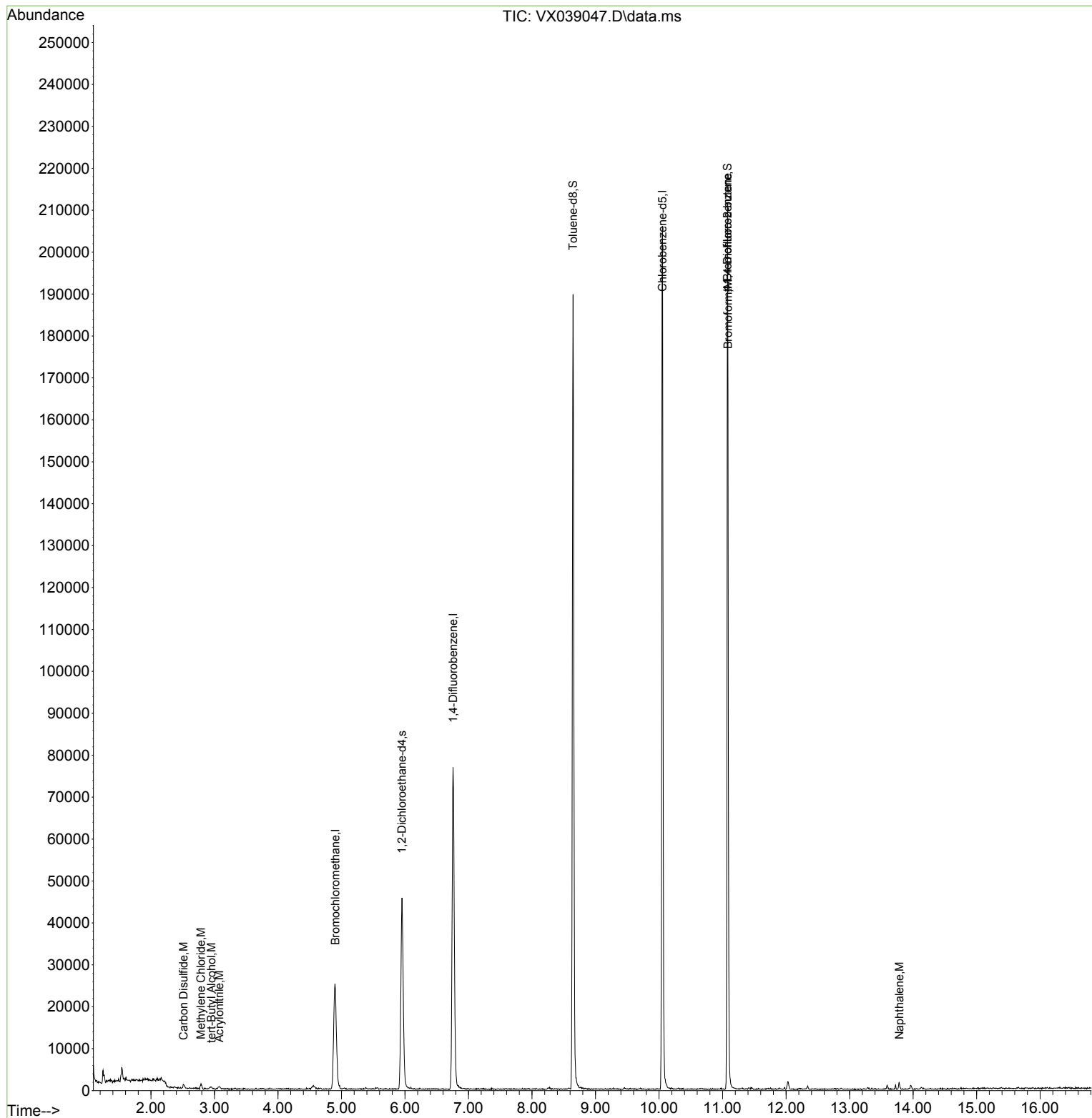
Internal Standards						
1) Bromochloromethane	4.904	128	9741	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	75633	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	93644	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	42268	31.718	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.733%
60) 4-Bromofluorobenzene	11.079	95	58151	28.431	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	94.767%
63) Toluene-d8	8.647	98	113278	30.596	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.000%
Target Compounds						
					Qvalue	
14) Acrylonitrile	3.075	53	394	0.390	ug/l #	26
16) Carbon Disulfide	2.514	76	1007	0.251	ug/l #	73
18) Methylene Chloride	2.788	84	564	0.359	ug/l #	91
23) tert-Butyl Alcohol	2.953	59	299	0.534	ug/l #	100
56) Bromoform	11.085	173	326	0.269	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	32414	35.718	ug/l #	12
91) Naphthalene	13.786	128	1509	0.203	ug/l #	86

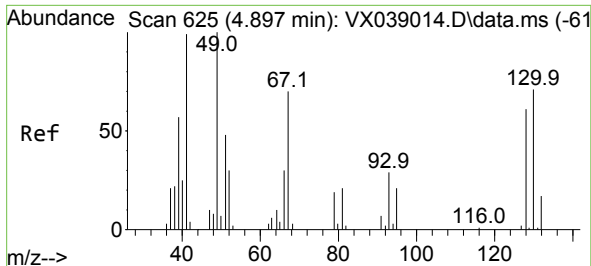
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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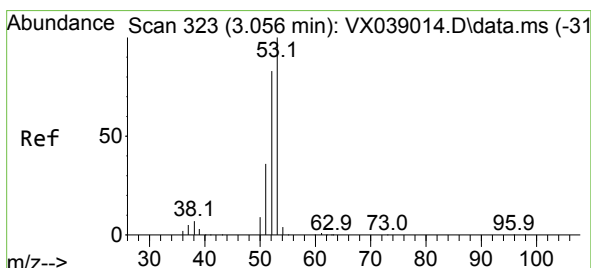
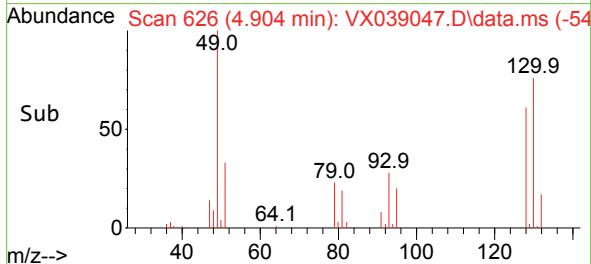
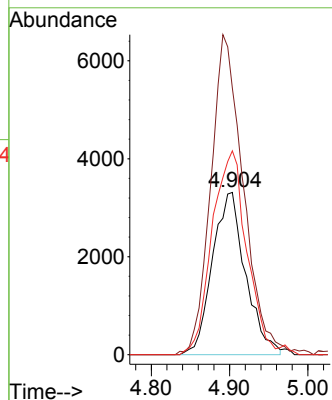
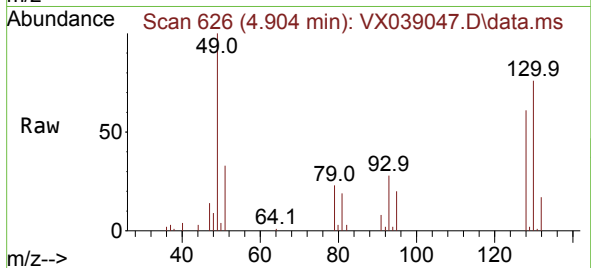




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX039047.D
Acq: 28 Nov 2023 11:13

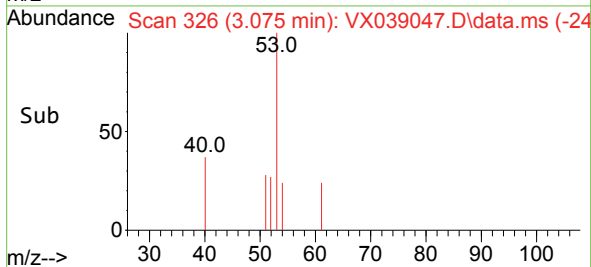
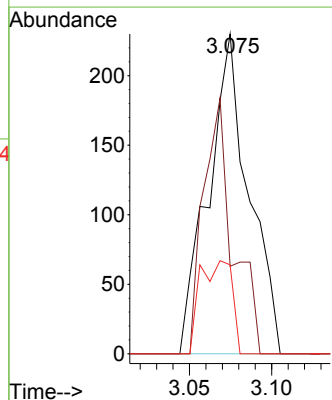
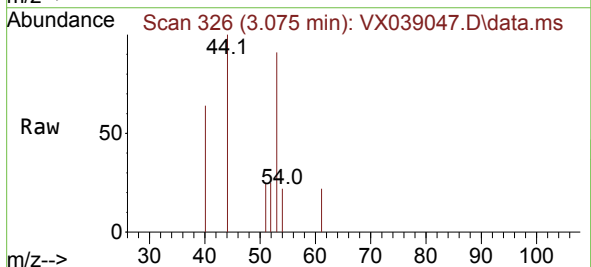
Instrument :
MSVOA_X
ClientSampleId :

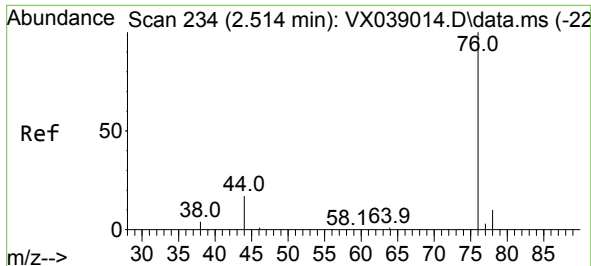
Tgt Ion:128 Resp: 9741
Ion Ratio Lower Upper
128 100
49 193.1 0.0 444.0
130 131.1 0.0 297.8



#14
Acrylonitrile
Concen: 0.390 ug/l
RT: 3.075 min Scan# 326
Delta R.T. 0.018 min
Lab File: VX039047.D
Acq: 28 Nov 2023 11:13

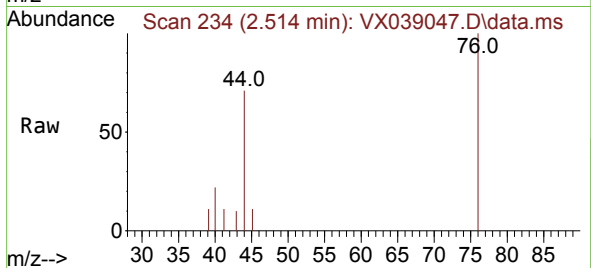
Tgt Ion: 53 Resp: 394
Ion Ratio Lower Upper
53 100
52 12.2 41.9 125.6#
51 0.0 18.3 54.9#



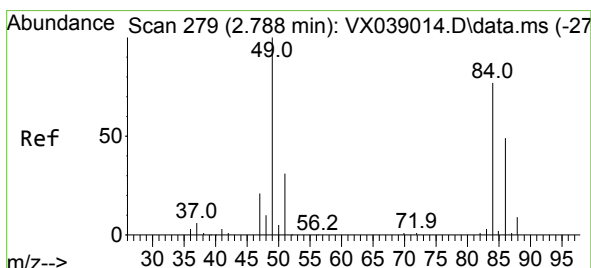
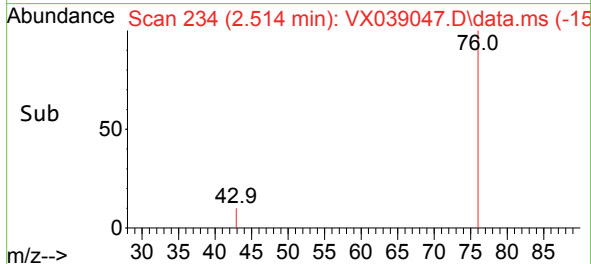
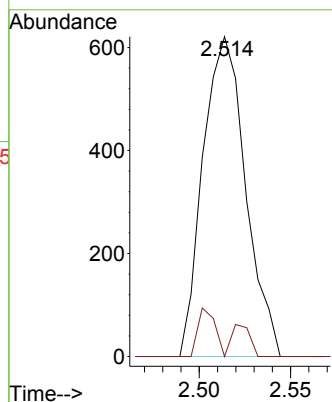


#16
Carbon Disulfide
Concen: 0.251 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX039047.D
Acq: 28 Nov 2023 11:13

Instrument :
MSVOA_X
ClientSampleId :

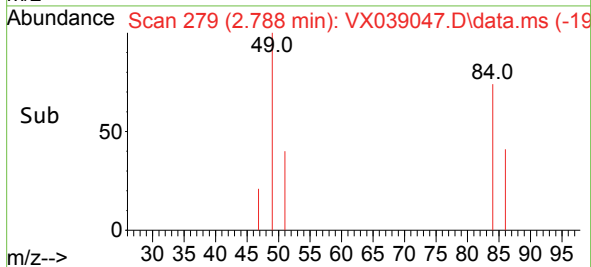
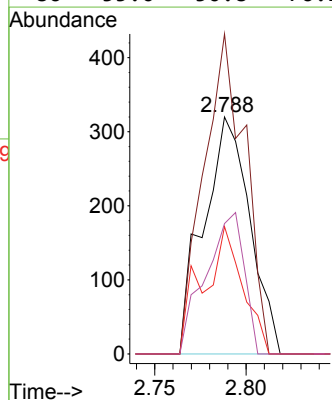
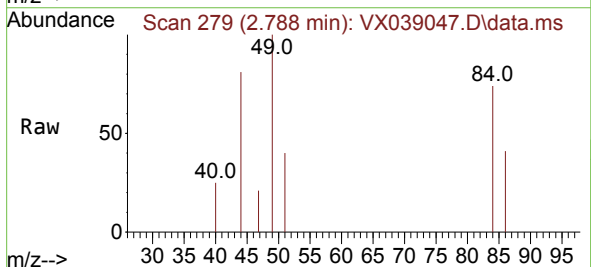


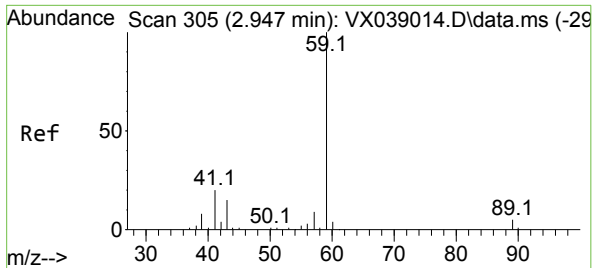
Tgt Ion: 76 Resp: 1007
Ion Ratio Lower Upper
76 100
78 0.0 8.0 12.0#



#18
Methylene Chloride
Concen: 0.359 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX039047.D
Acq: 28 Nov 2023 11:13

Tgt Ion: 84 Resp: 564
Ion Ratio Lower Upper
84 100
49 135.0 103.8 155.8
51 53.8 31.8 47.6#
86 55.0 50.8 76.2

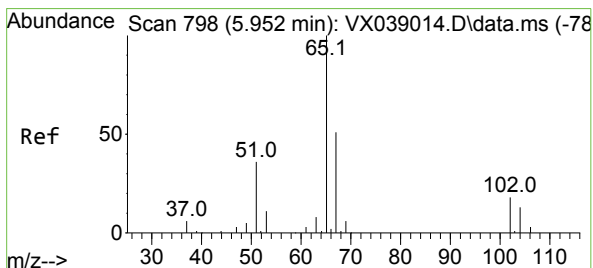
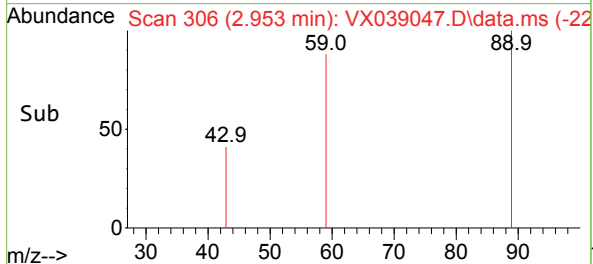
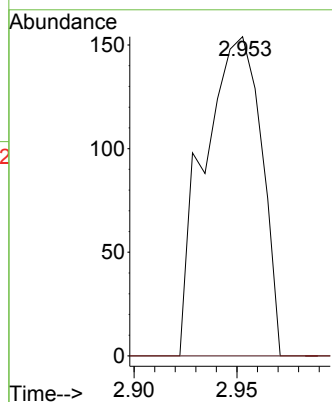
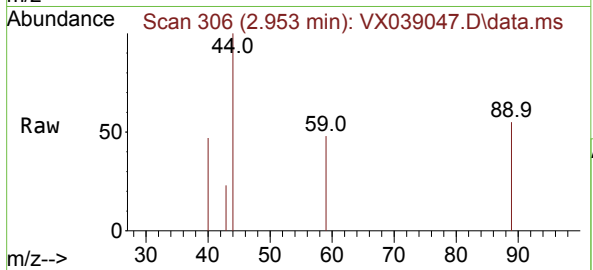




#23
tert-Butyl Alcohol
Concen: 0.534 ug/l
RT: 2.953 min Scan# 305
Delta R.T. 0.006 min
Lab File: VX039047.D
Acq: 28 Nov 2023 11:13

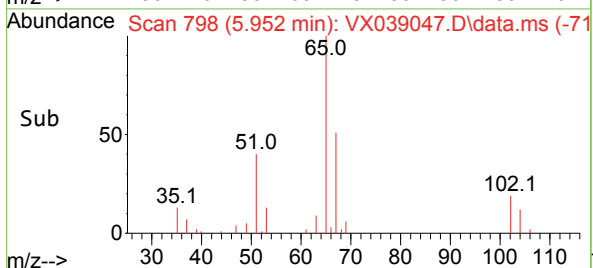
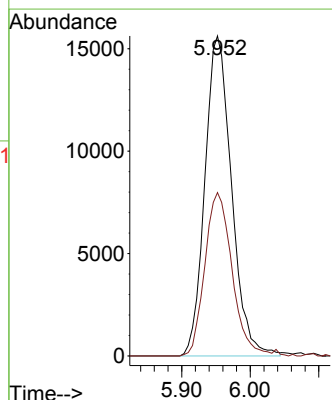
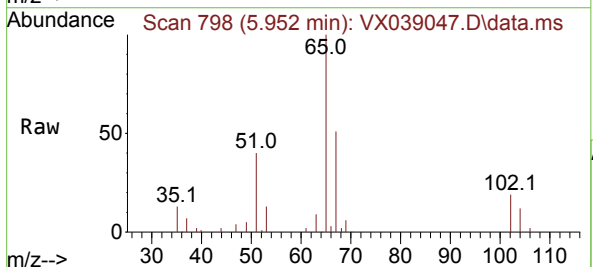
Instrument :
MSVOA_X
ClientSampleId :

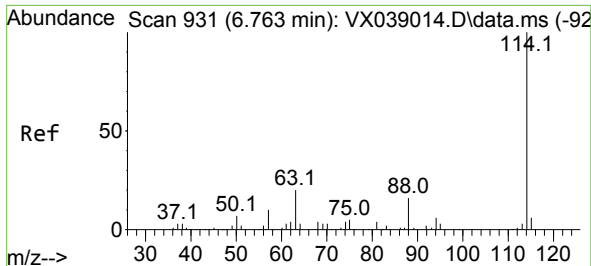
Tgt Ion: 59 Resp: 299
Ion Ratio Lower Upper
59 100
52 60.2 0.0 0.0#



#27
1,2-Dichloroethane-d4
Concen: 31.718 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX039047.D
Acq: 28 Nov 2023 11:13

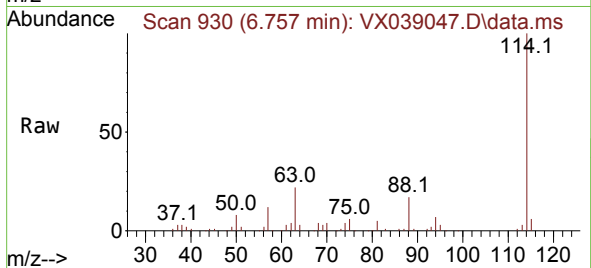
Tgt Ion: 65 Resp: 42268
Ion Ratio Lower Upper
65 100
67 52.0 42.5 63.7



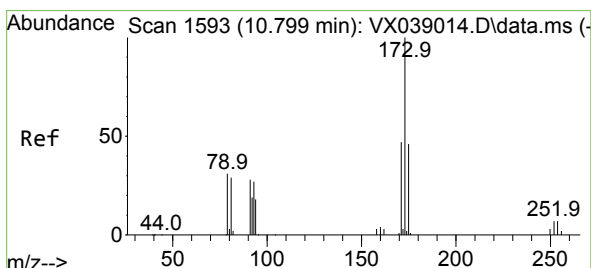
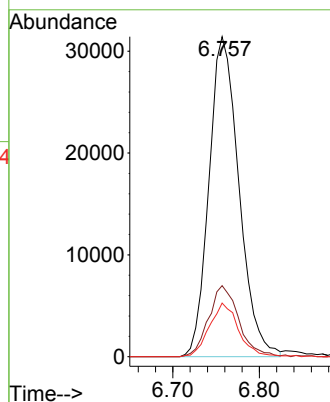
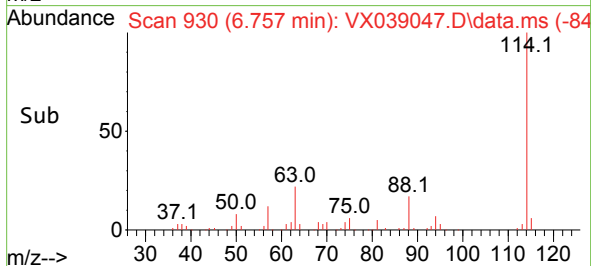


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX039047.D
Acq: 28 Nov 2023 11:13

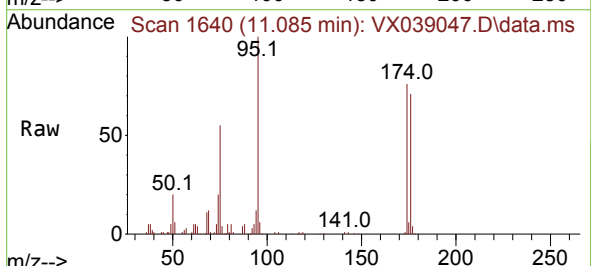
Instrument :
MSVOA_X
ClientSampleId :



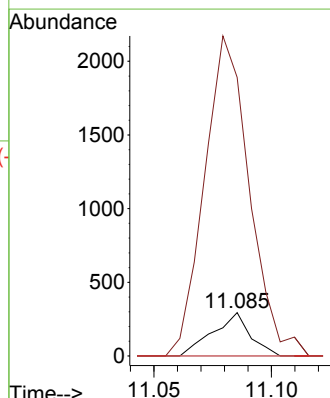
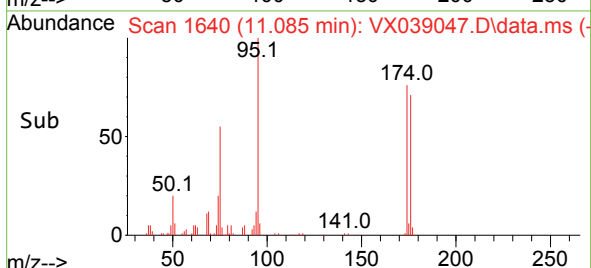
Tgt Ion:114 Resp: 75633
Ion Ratio Lower Upper
114 100
63 22.2 17.0 25.4
88 16.3 12.7 19.1

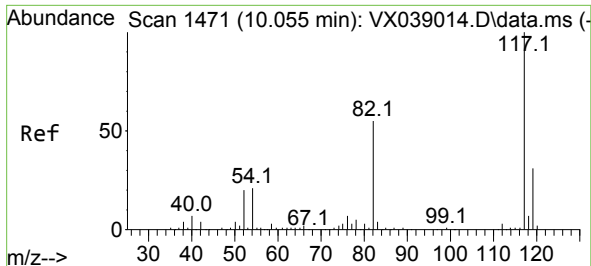


#56
Bromoform
Concen: 0.269 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.287 min
Lab File: VX039047.D
Acq: 28 Nov 2023 11:13



Tgt Ion:173 Resp: 326
Ion Ratio Lower Upper
173 100
175 889.6 37.6 56.4#
254 0.0 5.8 8.8#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX039047.D

Acq: 28 Nov 2023 11:13

Instrument :

MSVOA_X

ClientSampleId :

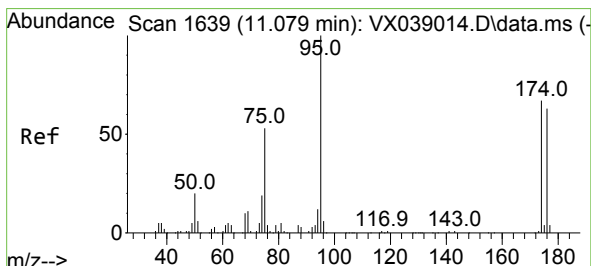
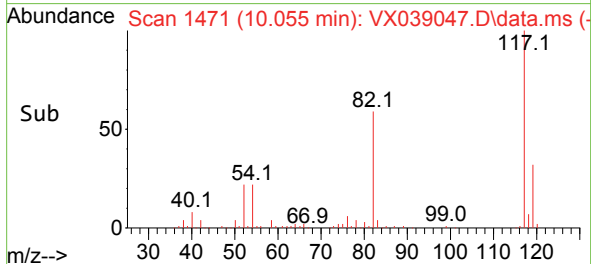
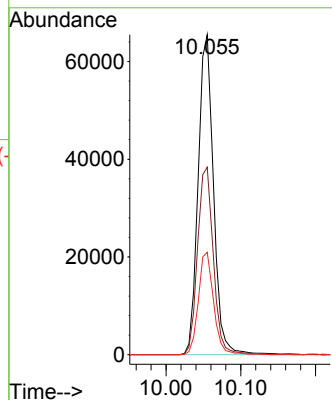
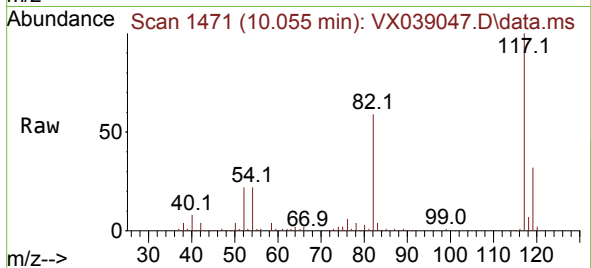
Tgt Ion:117 Resp: 93644

Ion Ratio Lower Upper

117 100

82 60.3 47.0 70.6

119 31.6 25.2 37.8



#60

4-Bromofluorobenzene

Concen: 28.431 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX039047.D

Acq: 28 Nov 2023 11:13

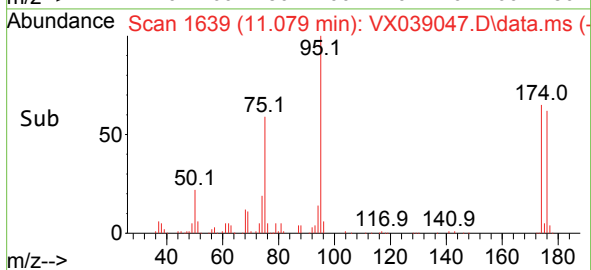
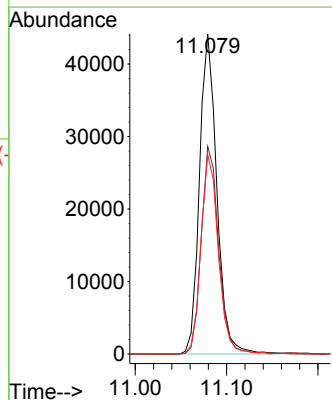
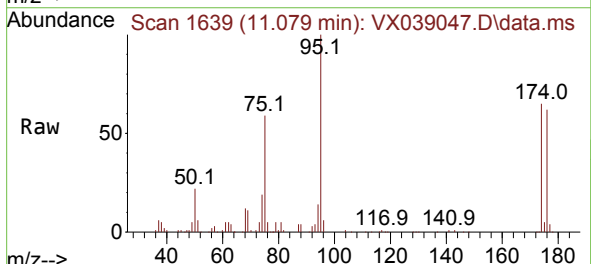
Tgt Ion: 95 Resp: 58151

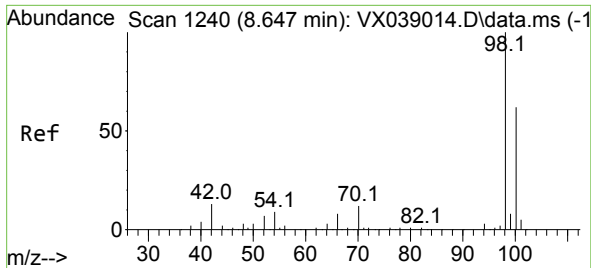
Ion Ratio Lower Upper

95 100

174 64.9 55.4 83.2

176 62.2 52.6 78.8

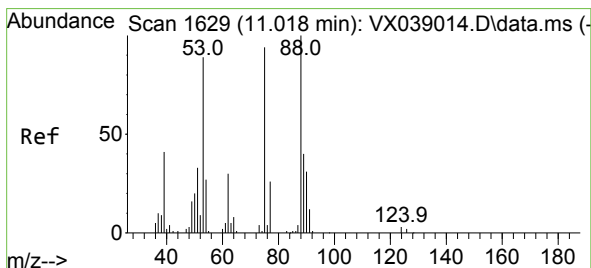
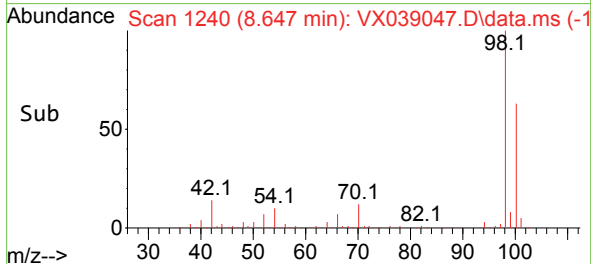
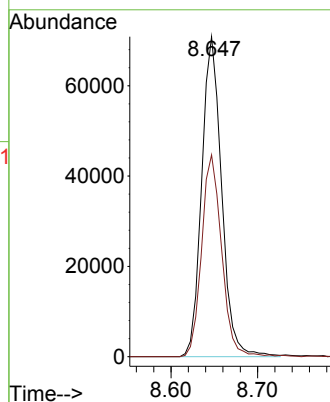
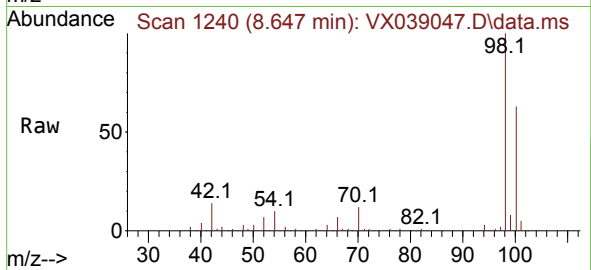




#63
Toluene-d8
Concen: 30.596 ug/l
RT: 8.647 min Scan# 113278
Delta R.T. 0.000 min
Lab File: VX039047.D
Acq: 28 Nov 2023 11:13

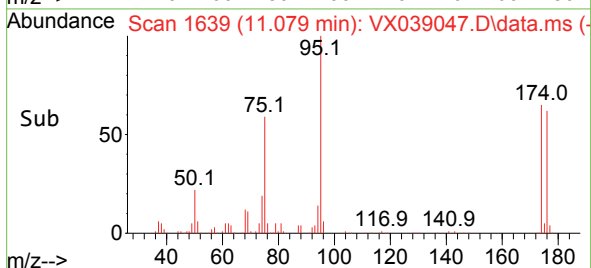
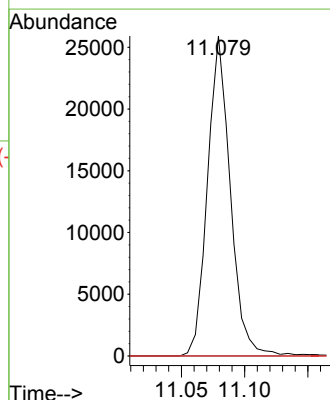
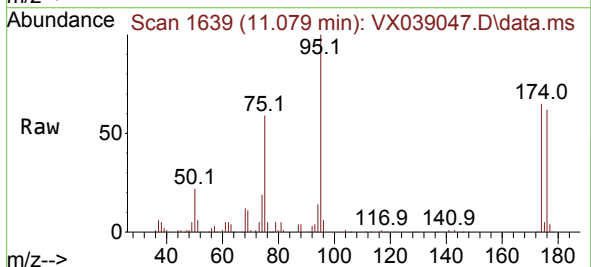
Instrument :
MSVOA_X
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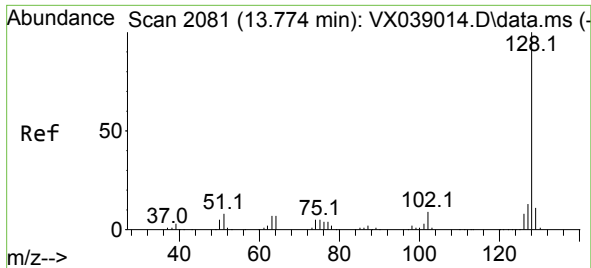
Tgt Ion: 98 Resp: 113278
Ion Ratio Lower Upper
98 100
100 63.2 51.0 76.4



#77
t-1,4-Dichloro-2-butene
Concen: 35.718 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX039047.D
Acq: 28 Nov 2023 11:13

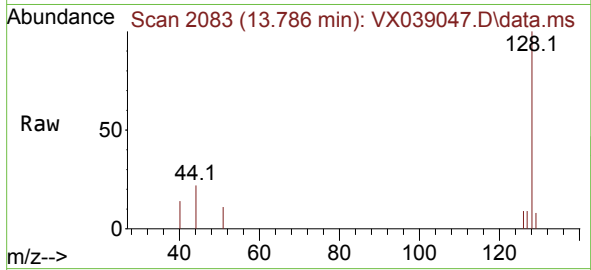
Tgt Ion: 75 Resp: 32414
Ion Ratio Lower Upper
75 100
53 0.0 46.9 140.8#
89 0.0 21.3 63.7#





#91
Naphthalene
Concen: 0.203 ug/l
RT: 13.786 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX039047.D
Acq: 28 Nov 2023 11:13

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	128	Resp:	1509
Ion	Ratio	Lower	Upper
128	100		
127	4.0	10.2	15.2#
129	9.3	8.6	12.8

