

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091123\
 Data File : VN079211.D
 Acq On : 11 Sep 2023 11:42
 Operator : JC\MD
 Sample : VN0911WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 12 02:45:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 08 05:09:17 2023
 Response via : Initial Calibration

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

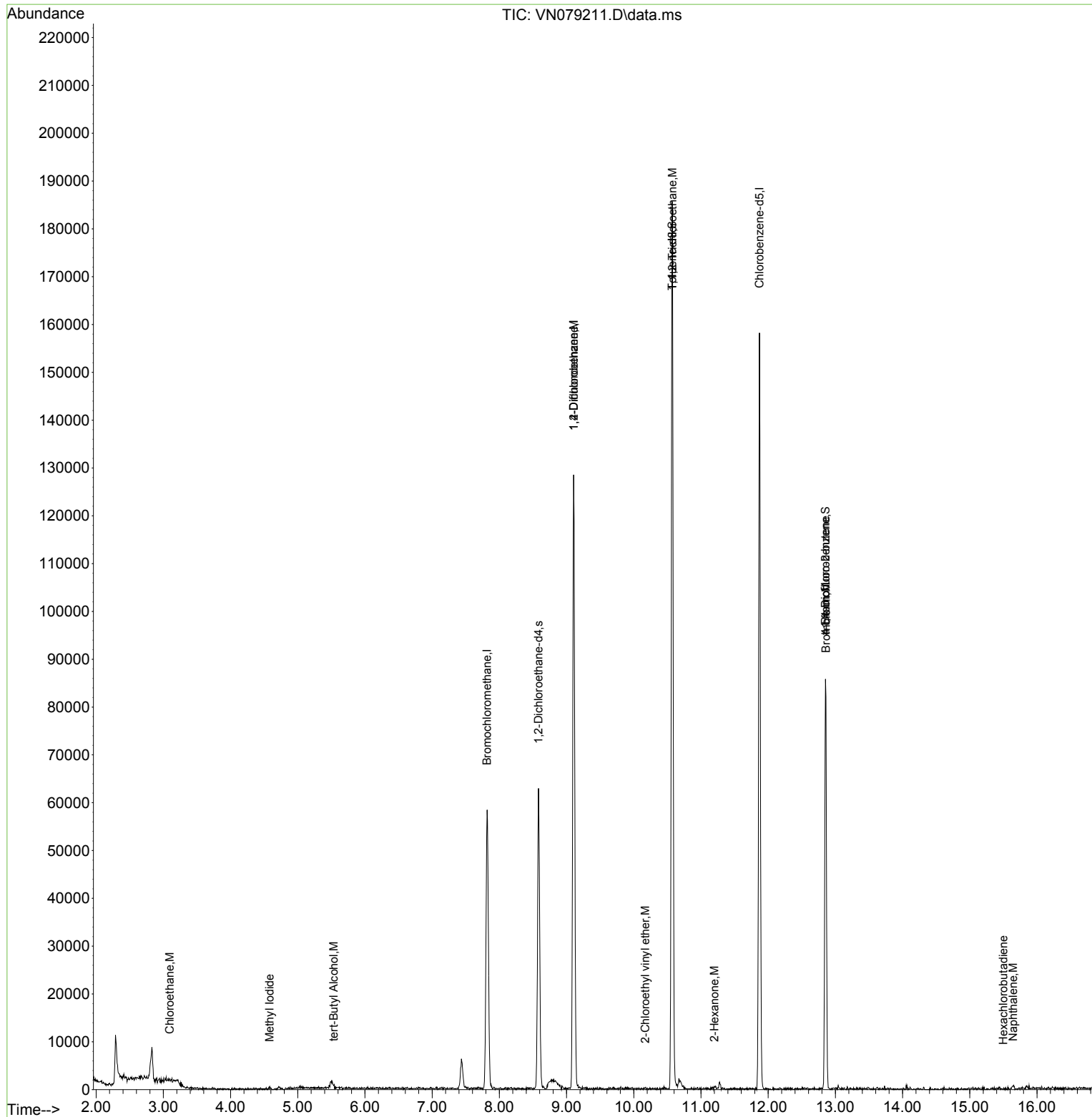
Internal Standards						
1) Bromochloromethane	7.818	128	21229	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	112353	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	92851	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	51050	32.007	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	106.700%
60) 4-Bromofluorobenzene	12.853	95	31632	23.121	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	77.067%
63) Toluene-d8	10.571	98	131372	30.275	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.933%
Target Compounds						
					Qvalue	
6) Chloroethane	3.095	64	585	0.813	ug/l #	50
11) Methyl Iodide	4.583	142	277	0.295	ug/l #	38
23) tert-Butyl Alcohol	5.536	59	190	0.967	ug/l #	100
36) 1,2-Dichloroethane	9.106	62	3957	2.096	ug/l #	73
50) 1,1,2-Trichloroethane	10.577	97	4531	3.317	ug/l #	1
55) 2-Chloroethyl vinyl ether	10.171	63	184	0.245	ug/l #	45
56) Bromoform	12.859	173	221	0.221	ug/l #	1
59) 2-Hexanone	11.200	43	448	0.374	ug/l #	31
77) t-1,4-Dichloro-2-butene	12.853	75	16000	28.756	ug/l #	14
90) Hexachlorobutadiene	15.500	225	111	0.217	ug/l #	19
91) Naphthalene	15.647	128	1068	0.486	ug/l #	70

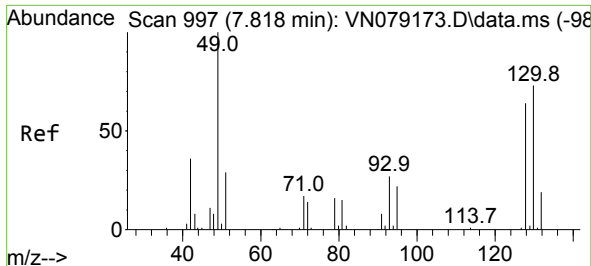
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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Quant Time: Sep 12 02:45:34 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 08 05:09:17 2023
Response via : Initial Calibration

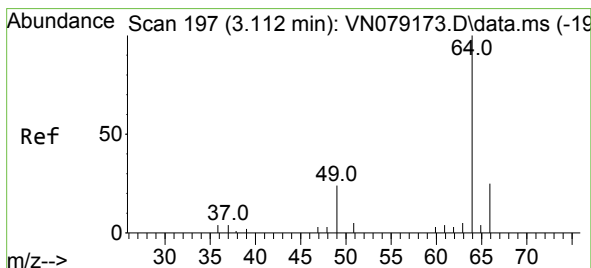
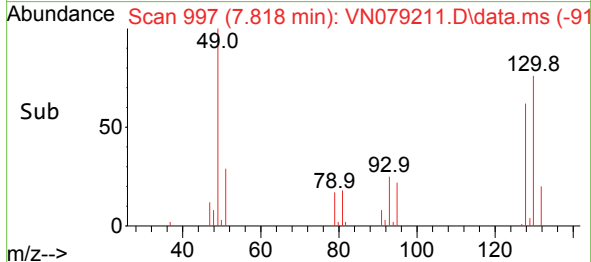
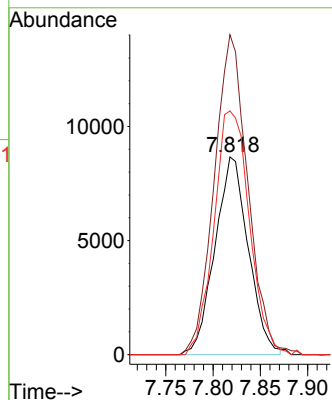
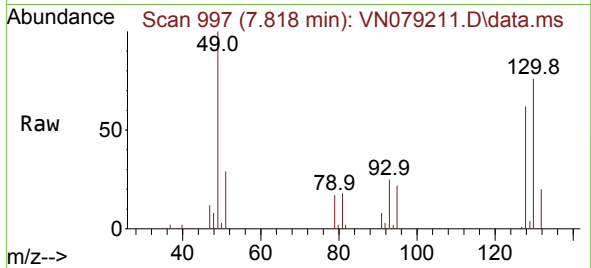




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 997
Delta R.T. -0.000 min
Lab File: VN079211.D
Acq: 11 Sep 2023 11:42

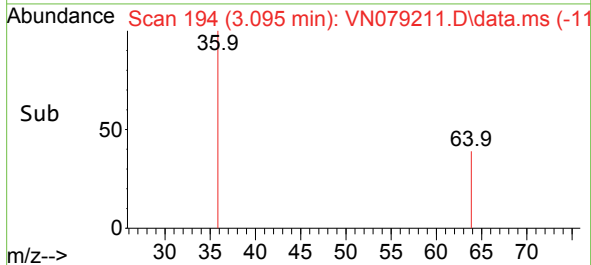
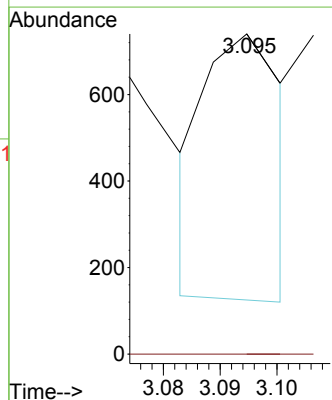
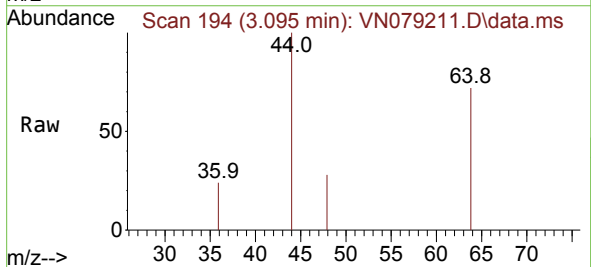
Instrument :
MSVOA_N
ClientSampleId :

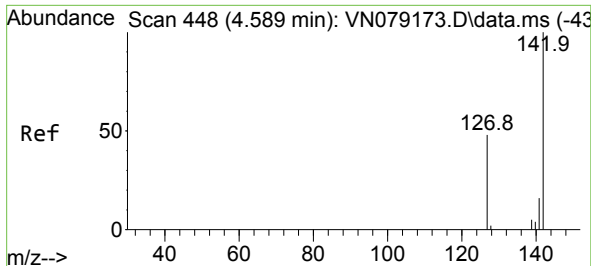
Tgt Ion:128 Resp: 21229
Ion Ratio Lower Upper
128 100
49 163.0 0.0 414.3
130 131.2 0.0 311.0



#6
Chloroethane
Concen: 0.813 ug/l
RT: 3.095 min Scan# 194
Delta R.T. -0.017 min
Lab File: VN079211.D
Acq: 11 Sep 2023 11:42

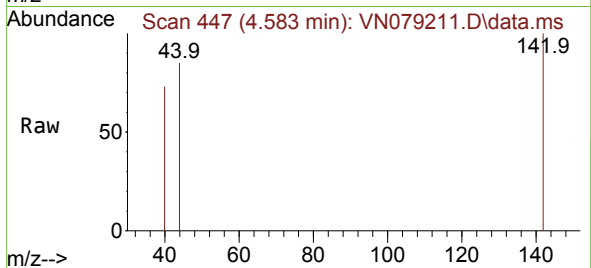
Tgt Ion: 64 Resp: 585
Ion Ratio Lower Upper
64 100
66 0.0 20.1 30.1#



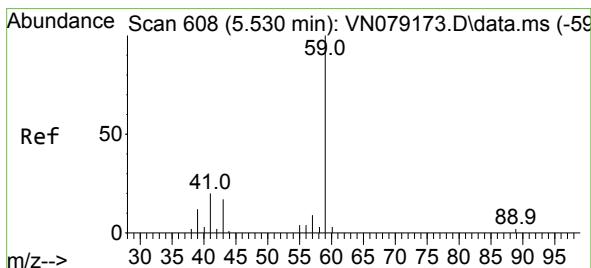
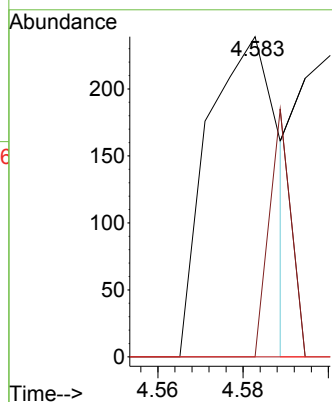
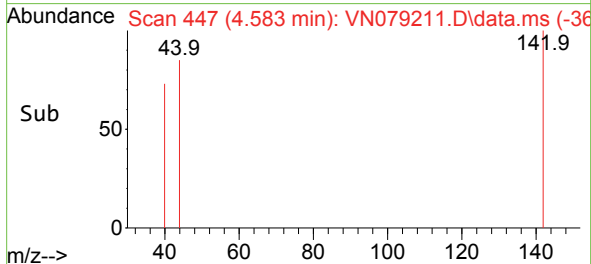


#11
Methyl Iodide
Concen: 0.295 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.006 min
Lab File: VN079211.D
Acq: 11 Sep 2023 11:42

Instrument :
MSVOA_N
ClientSampleId :

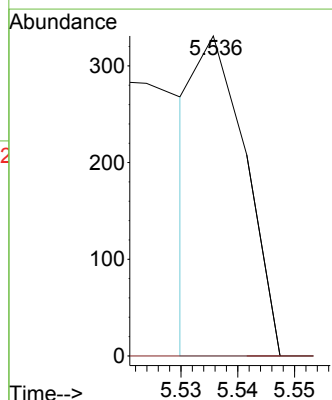
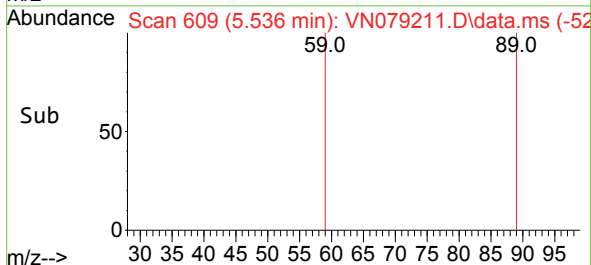
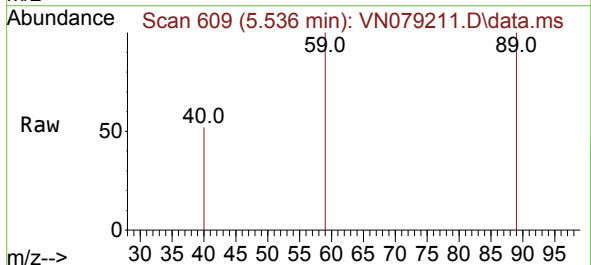


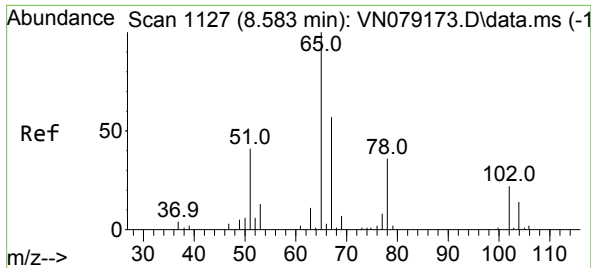
Tgt Ion:142 Resp: 277
Ion Ratio Lower Upper
142 100
127 0.0 23.8 71.4#
141 0.0 8.2 24.6#



#23
tert-Butyl Alcohol
Concen: 0.967 ug/l
RT: 5.536 min Scan# 609
Delta R.T. 0.006 min
Lab File: VN079211.D
Acq: 11 Sep 2023 11:42

Tgt Ion: 59 Resp: 190
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0





#27

1,2-Dichloroethane-d4

Concen: 32.007 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN079211.D

Acq: 11 Sep 2023 11:42

Instrument :

MSVOA_N

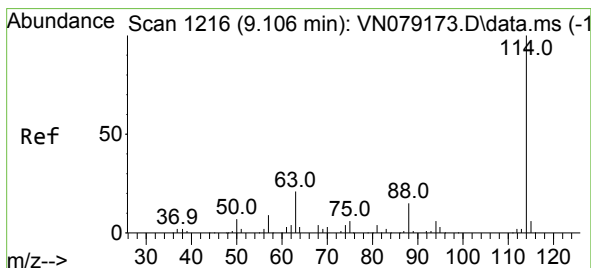
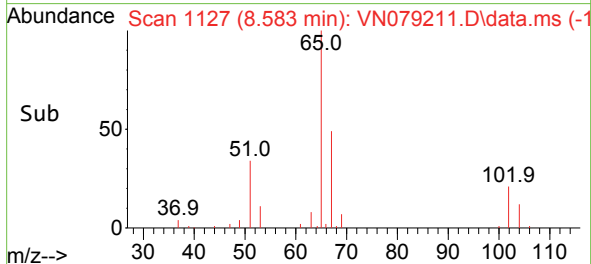
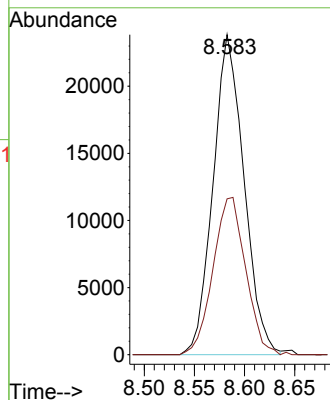
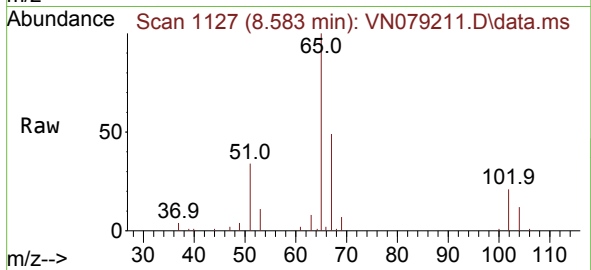
ClientSampleId :

Tgt Ion: 65 Resp: 51050

Ion Ratio Lower Upper

65 100

67 51.8 44.4 66.6



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN079211.D

Acq: 11 Sep 2023 11:42

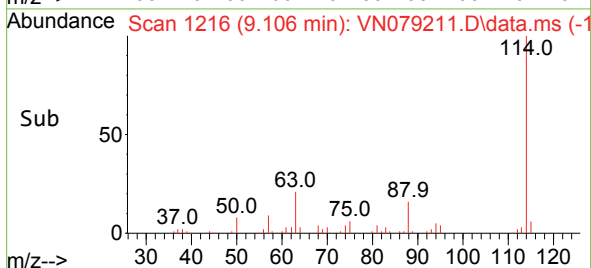
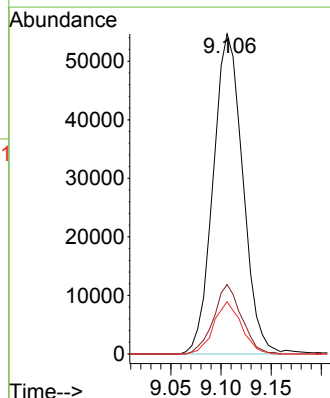
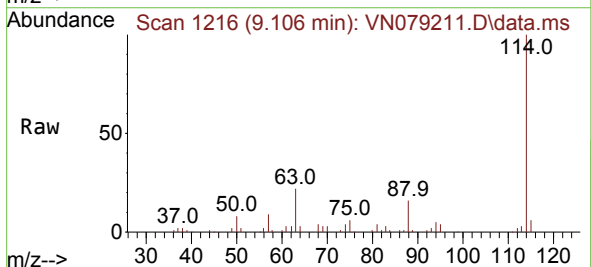
Tgt Ion: 114 Resp: 112353

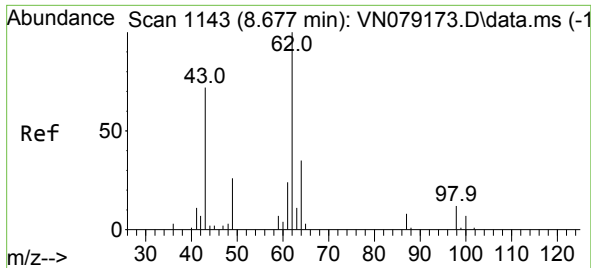
Ion Ratio Lower Upper

114 100

63 20.5 17.0 25.4

88 15.2 12.8 19.2

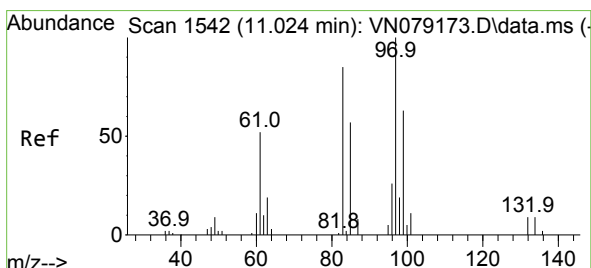
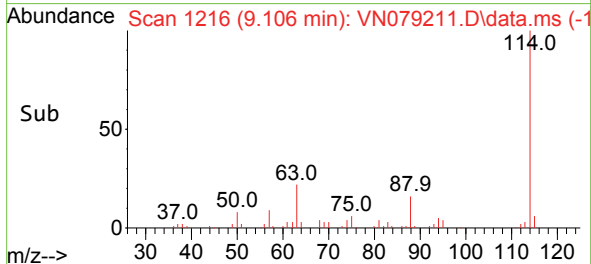
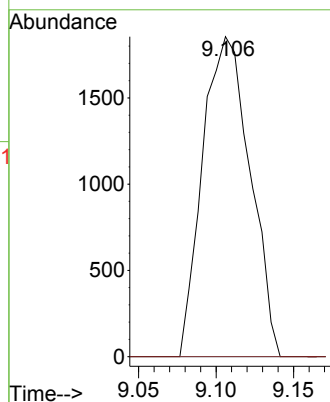
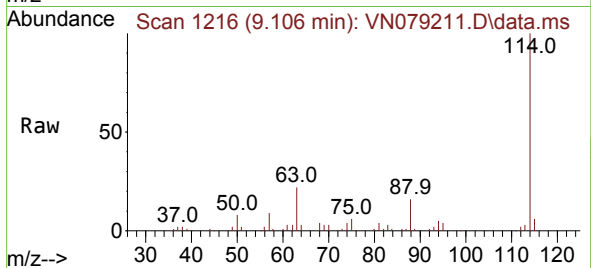




#36
1,2-Dichloroethane
Concen: 2.096 ug/l
RT: 9.106 min Scan# 1143
Delta R.T. 0.429 min
Lab File: VN079211.D
Acq: 11 Sep 2023 11:42

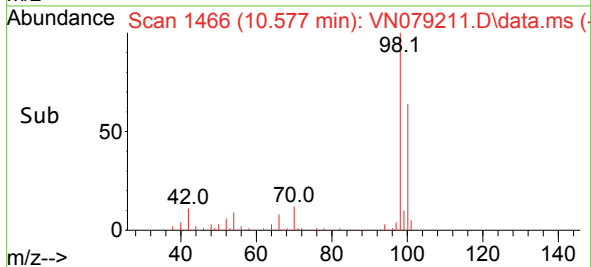
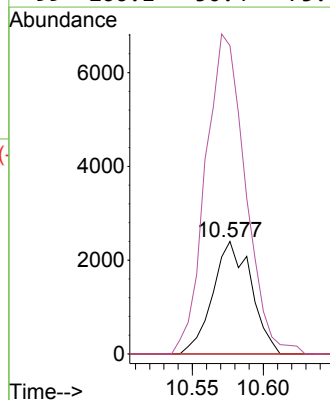
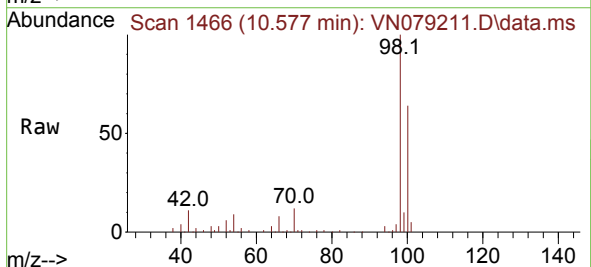
Instrument :
MSVOA_N
ClientSampleId :

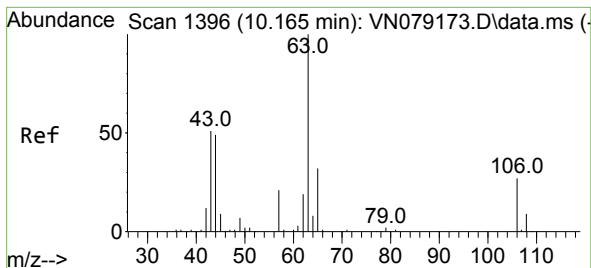
Tgt Ion: 62 Resp: 3957
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.2#



#50
1,1,2-Trichloroethane
Concen: 3.317 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. -0.447 min
Lab File: VN079211.D
Acq: 11 Sep 2023 11:42

Tgt Ion: 97 Resp: 4531
Ion Ratio Lower Upper
97 100
83 0.0 68.9 103.3#
85 0.0 45.3 67.9#
99 266.1 50.4 75.6#

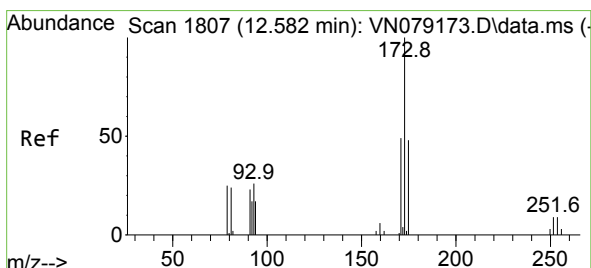
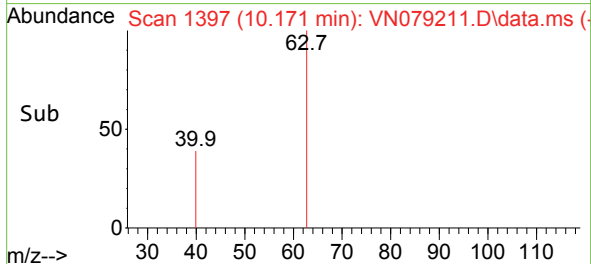
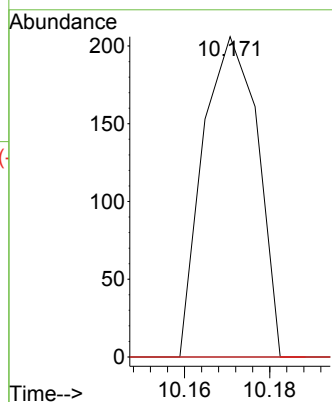
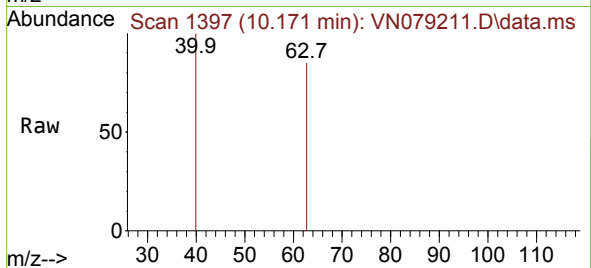




#55
2-Chloroethyl vinyl ether
Concen: 0.245 ug/l
RT: 10.171 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079211.D
Acq: 11 Sep 2023 11:42

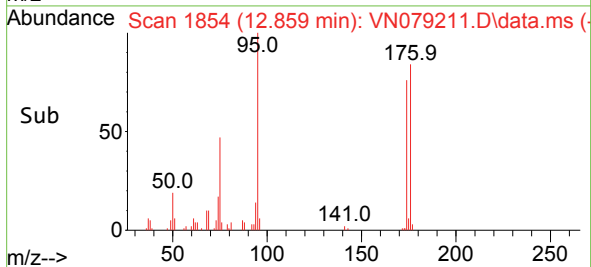
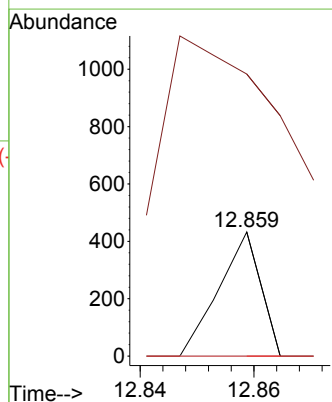
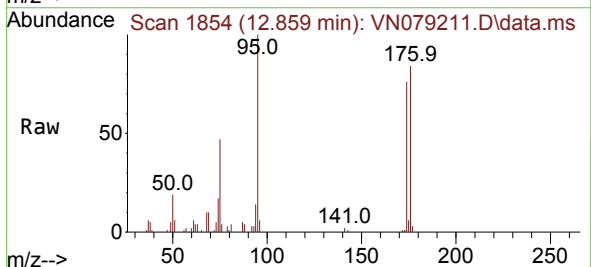
Instrument :
MSVOA_N
ClientSampleId :

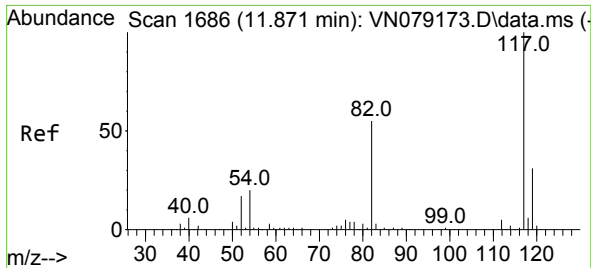
Tgt Ion: 63 Resp: 184
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#
106 0.0 21.9 32.9#



#56
Bromoform
Concen: 0.221 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.277 min
Lab File: VN079211.D
Acq: 11 Sep 2023 11:42

Tgt Ion:173 Resp: 221
Ion Ratio Lower Upper
173 100
175 895.9 37.6 56.4#
254 0.0 7.8 11.8#

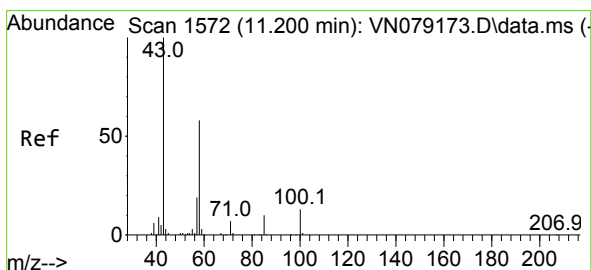
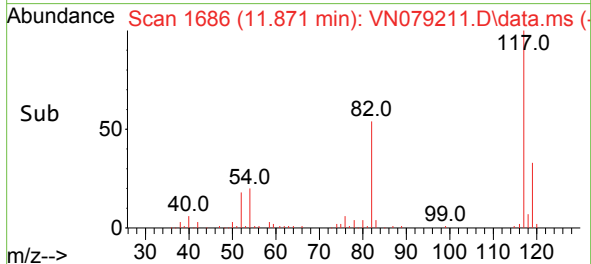
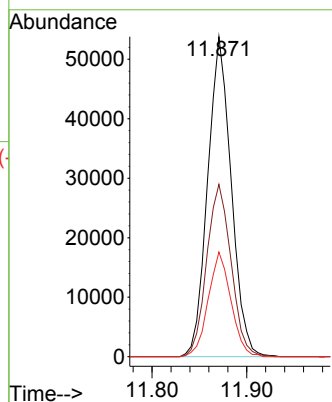
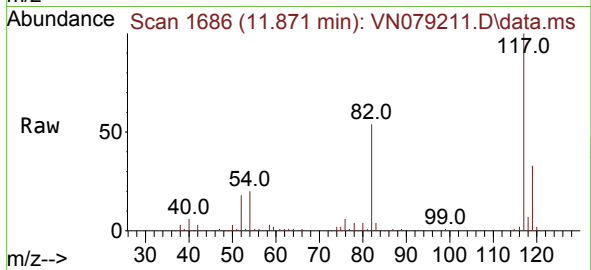




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN079211.D
Acq: 11 Sep 2023 11:42

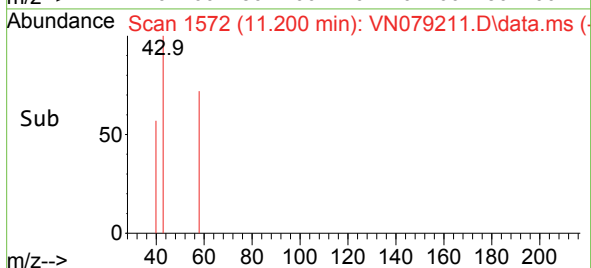
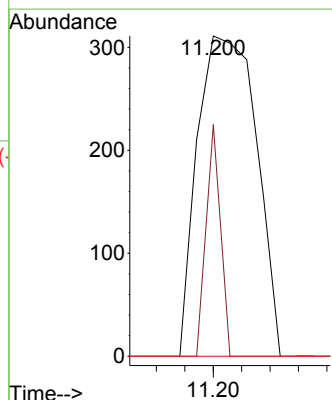
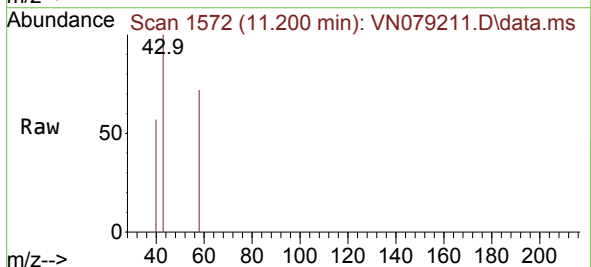
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ClientSampleId :

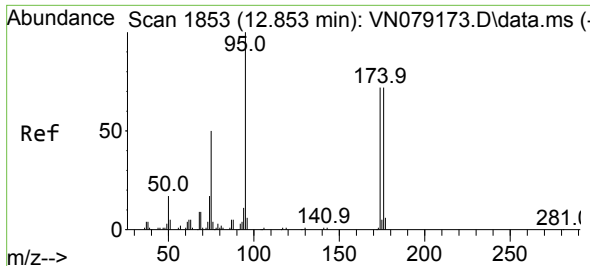
Tgt Ion:117 Resp: 92851
Ion Ratio Lower Upper
117 100
82 55.8 44.7 67.1
119 31.5 24.9 37.3



#59
2-Hexanone
Concen: 0.374 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.000 min
Lab File: VN079211.D
Acq: 11 Sep 2023 11:42

Tgt Ion: 43 Resp: 448
Ion Ratio Lower Upper
43 100
58 0.0 46.4 69.6#
57 0.0 15.3 22.9#

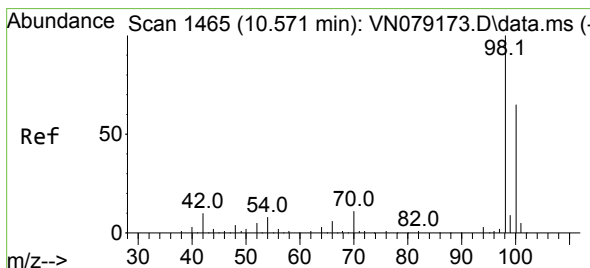
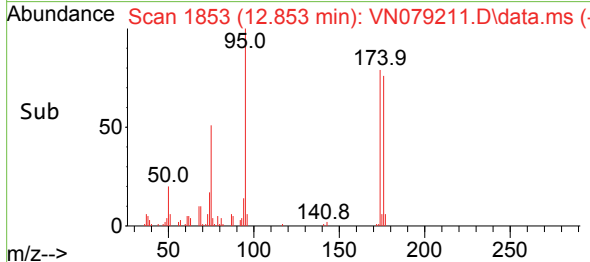
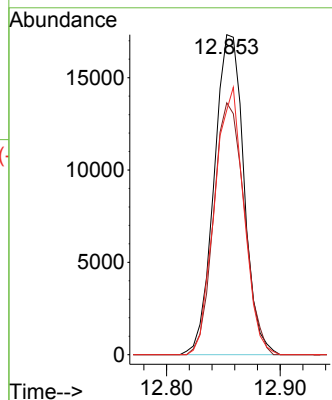
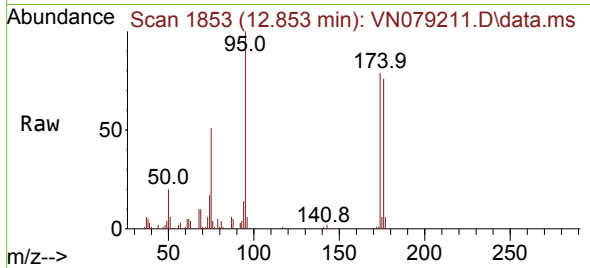




#60
4-Bromofluorobenzene
Concen: 23.121 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079211.D
Acq: 11 Sep 2023 11:42

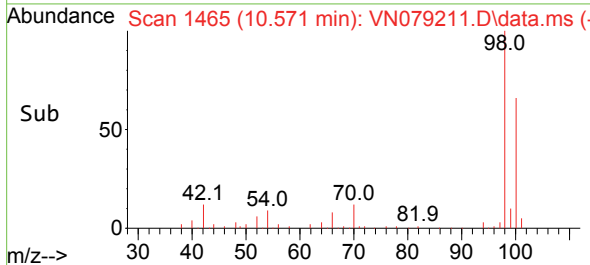
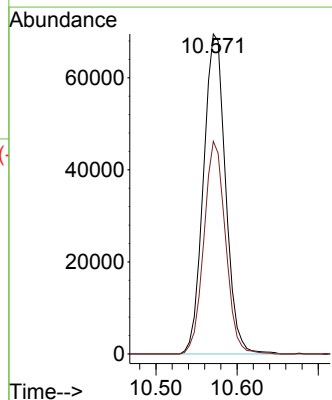
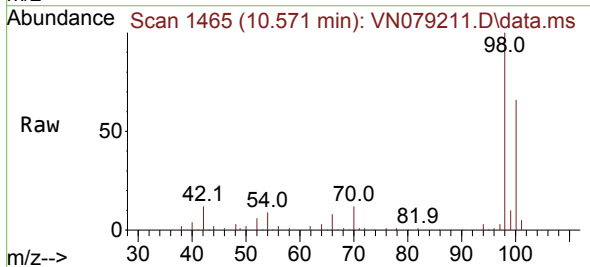
Instrument :
MSVOA_N
ClientSampleId :

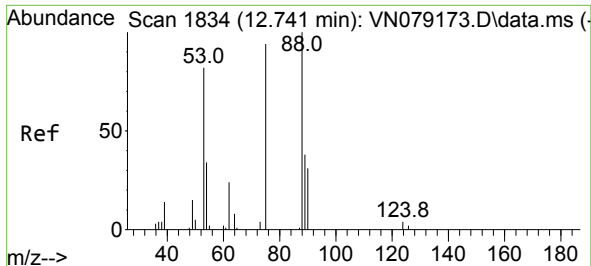
Tgt Ion: 95 Resp: 31632
Ion Ratio Lower Upper
95 100
174 81.0 59.5 89.3
176 81.7 59.1 88.7



#63
Toluene-d8
Concen: 30.275 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079211.D
Acq: 11 Sep 2023 11:42

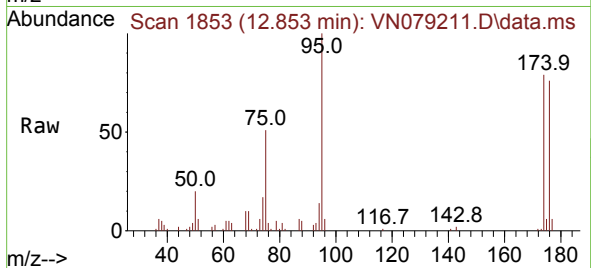
Tgt Ion: 98 Resp: 131372
Ion Ratio Lower Upper
98 100
100 64.9 52.5 78.7



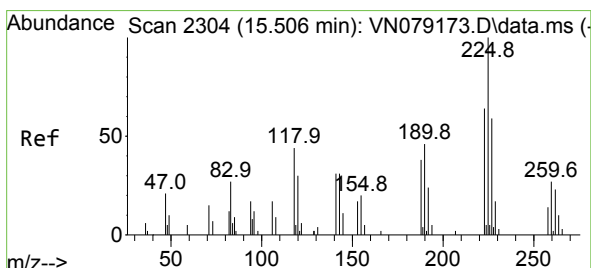
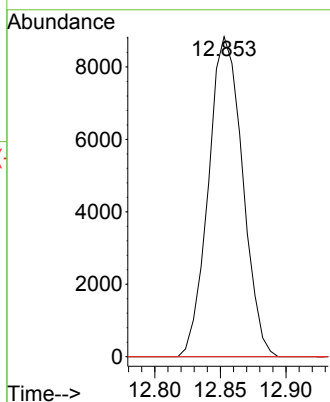
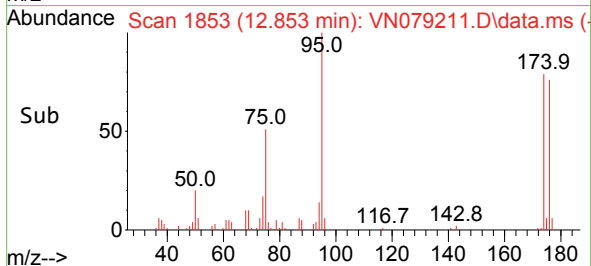


#77
t-1,4-Dichloro-2-butene
Concen: 28.756 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN079211.D
Acq: 11 Sep 2023 11:42

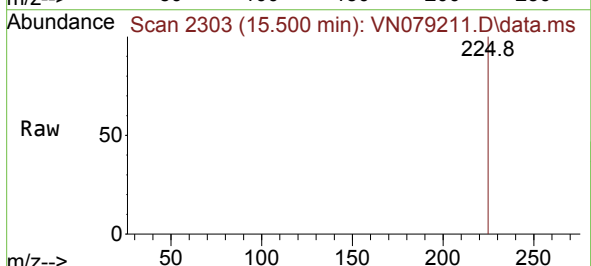
Instrument :
MSVOA_N
ClientSampleId :



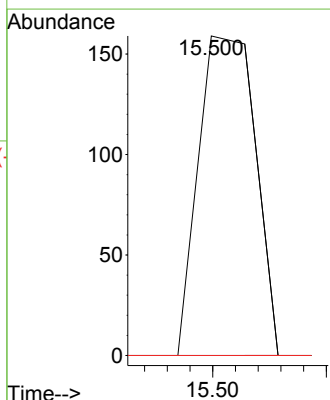
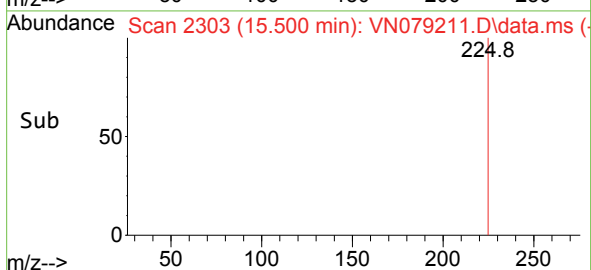
Tgt Ion: 75 Resp: 16000
Ion Ratio Lower Upper
75 100
53 0.0 44.1 132.4#
89 0.0 22.4 67.3#

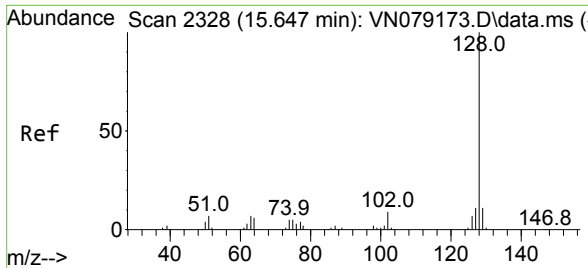


#90
Hexachlorobutadiene
Concen: 0.217 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.006 min
Lab File: VN079211.D
Acq: 11 Sep 2023 11:42



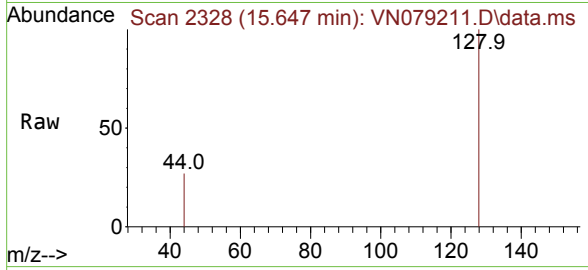
Tgt Ion: 225 Resp: 111
Ion Ratio Lower Upper
225 100
223 0.0 0.0 125.6
227 0.0 0.0 124.0





#91
Naphthalene
Concen: 0.486 ug/l
RT: 15.647 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN079211.D
Acq: 11 Sep 2023 11:42

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	1068
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.1	15.1#
129	0.0	8.5	12.7#

