

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090823\
 Data File : VN079196.D
 Acq On : 08 Sep 2023 14:40
 Operator : JC\MD
 Sample : 04343-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 08 23:16:16 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)

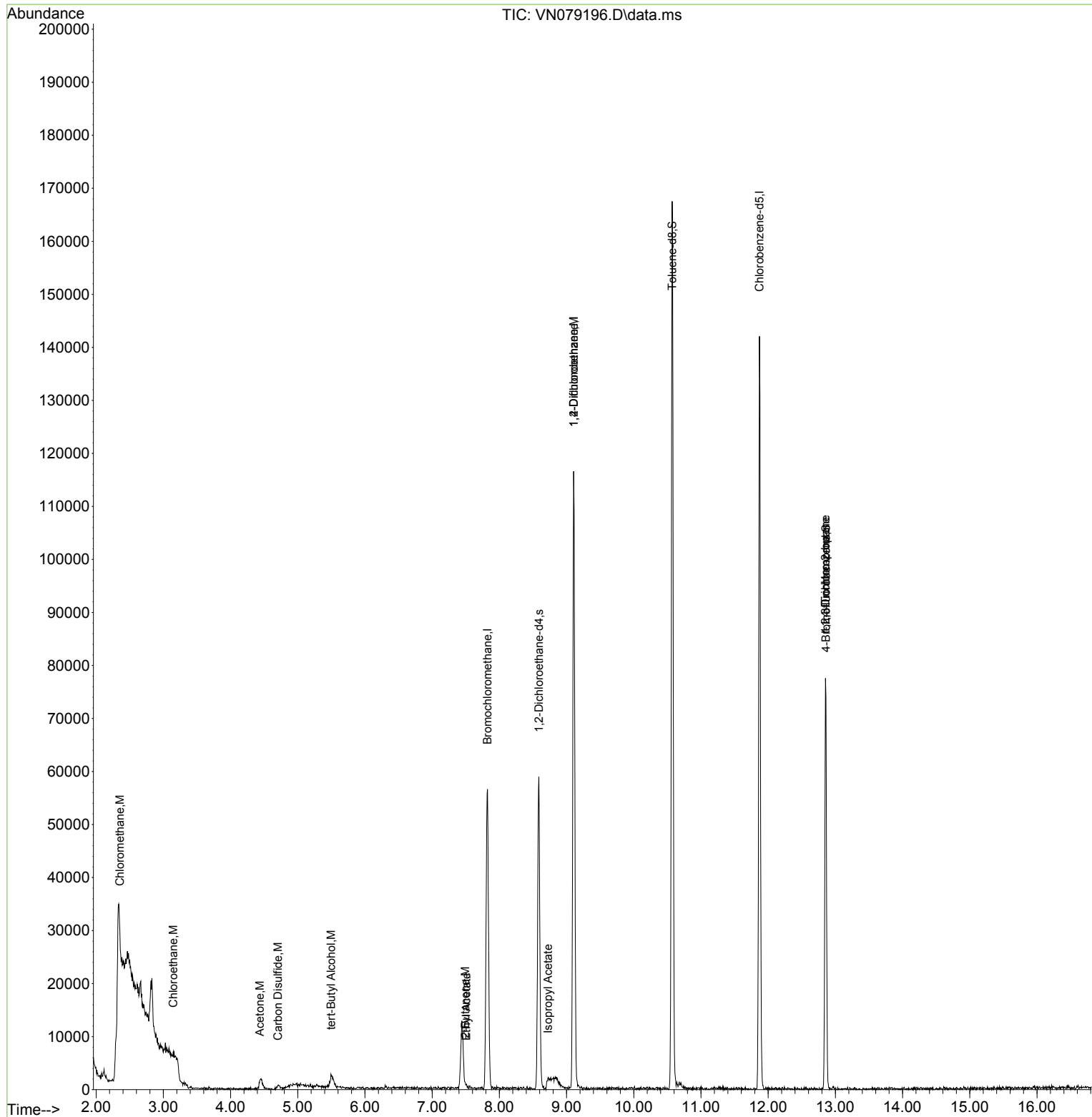
Internal Standards						
1) Bromochloromethane	7.824	128	20620	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	100793	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	84559	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	49202	31.760	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.867%
60) 4-Bromofluorobenzene	12.859	95	28007	22.479	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	74.933%
63) Toluene-d8	10.571	98	120159	30.407	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.367%
Target Compounds						
					Qvalue	
3) Chloromethane	2.354	50	583	0.506	ug/l #	45
6) Chloroethane	3.148	64	722	1.033	ug/l #	54
15) Acetone	4.436	58	546	4.221	ug/l #	45
16) Carbon Disulfide	4.706	76	1465	0.684	ug/l #	76
23) tert-Butyl Alcohol	5.495	59	1097	5.751	ug/l #	100
30) 2-Butanone	7.494	43	242	0.298	ug/l #	54
36) 1,2-Dichloroethane	9.106	62	3345	1.975	ug/l #	73
43) Ethyl Acetate	7.506	43	347	0.225	ug/l #	66
44) Isopropyl Acetate	8.724	43	1082	0.390	ug/l #	41
72) 1,2,3-Trichloropropane	12.853	75	14247	9.899	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.853	75	14247	28.117	ug/l #	14

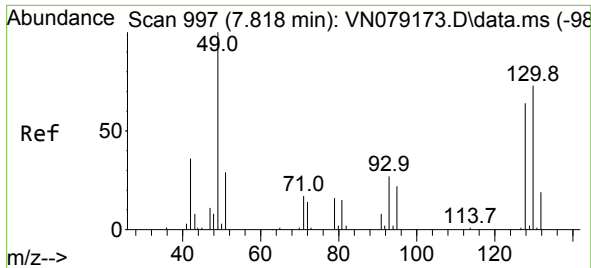
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090823\
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MSVOA_N
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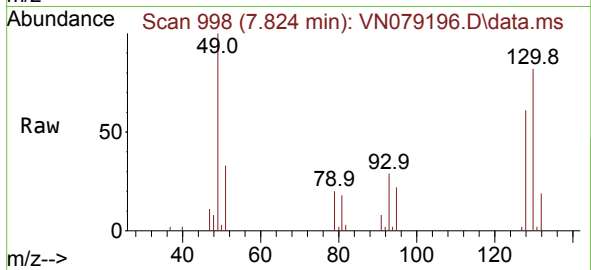
Quant Time: Sep 08 23:16:16 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 08 05:09:17 2023
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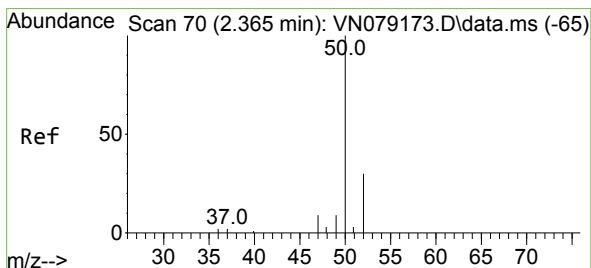
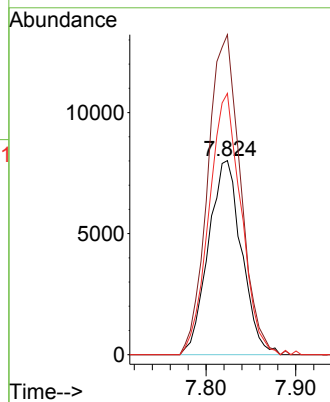
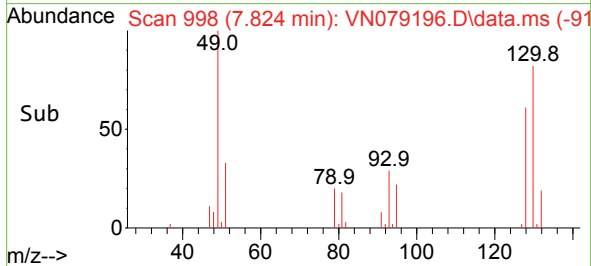


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN079196.D
Acq: 08 Sep 2023 14:40

Instrument :
MSVOA_N
ClientSampleId :

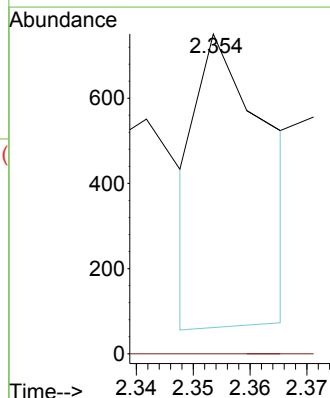
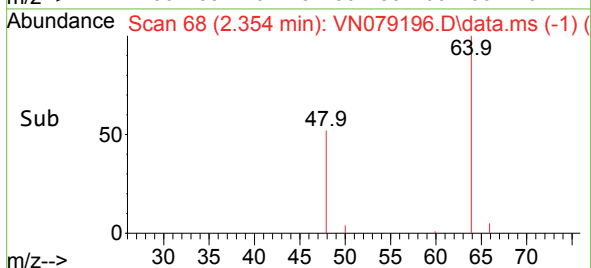
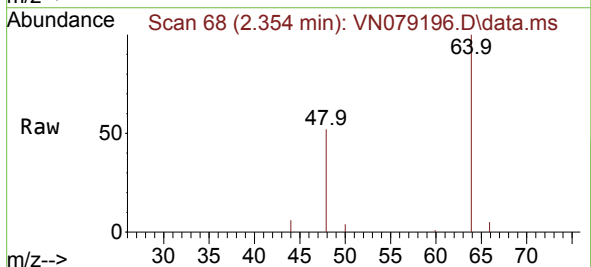


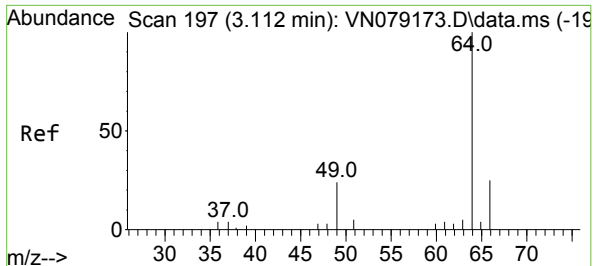
Tgt Ion:128 Resp: 20620
Ion Ratio Lower Upper
128 100
49 162.5 0.0 414.3
130 130.5 0.0 311.0



#3
Chloromethane
Concen: 0.506 ug/l
RT: 2.354 min Scan# 68
Delta R.T. -0.011 min
Lab File: VN079196.D
Acq: 08 Sep 2023 14:40

Tgt Ion: 50 Resp: 583
Ion Ratio Lower Upper
50 100
52 0.0 24.0 36.0#

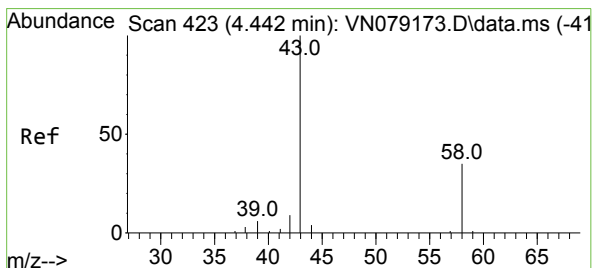
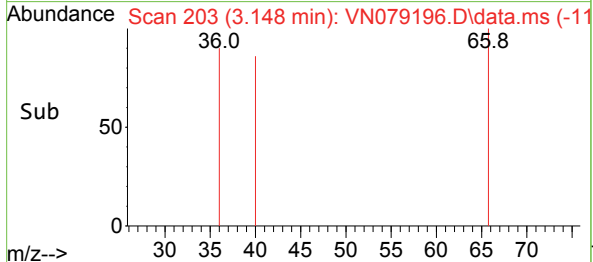
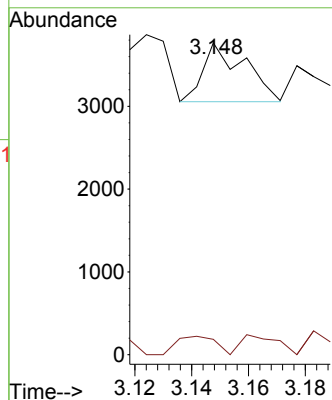
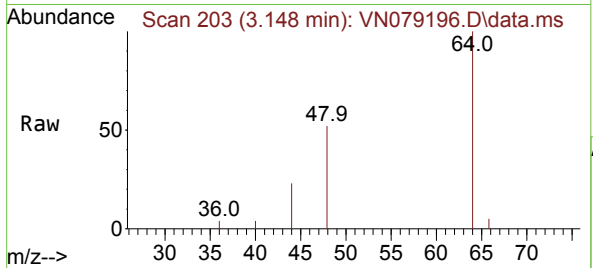




#6
Chloroethane
Concen: 1.033 ug/l
RT: 3.148 min Scan# 203
Delta R.T. 0.036 min
Lab File: VN079196.D
Acq: 08 Sep 2023 14:40

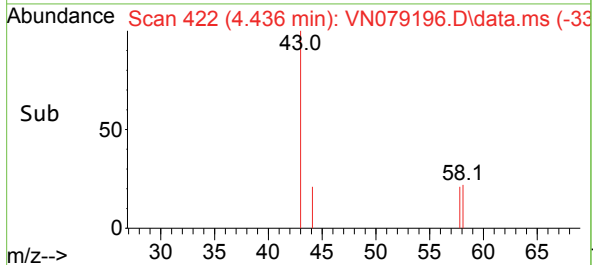
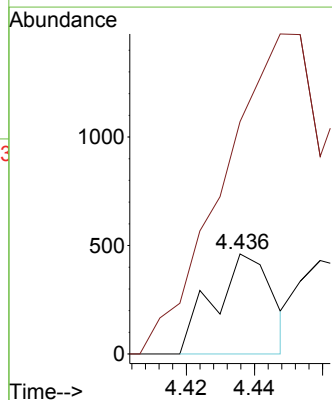
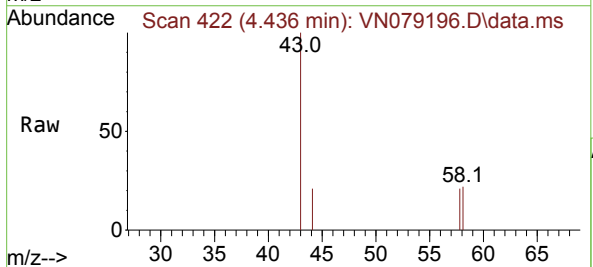
Instrument :
MSVOA_N
ClientSampleId :

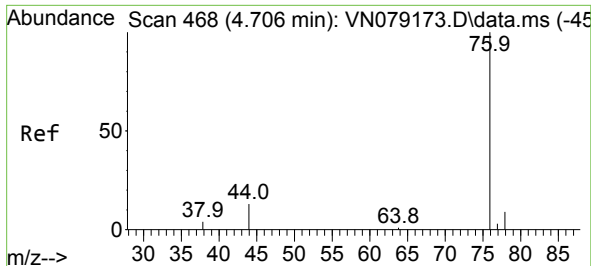
Tgt Ion: 64 Resp: 722
Ion Ratio Lower Upper
64 100
66 2.1 20.1 30.1#



#15
Acetone
Concen: 4.221 ug/l
RT: 4.436 min Scan# 422
Delta R.T. -0.006 min
Lab File: VN079196.D
Acq: 08 Sep 2023 14:40

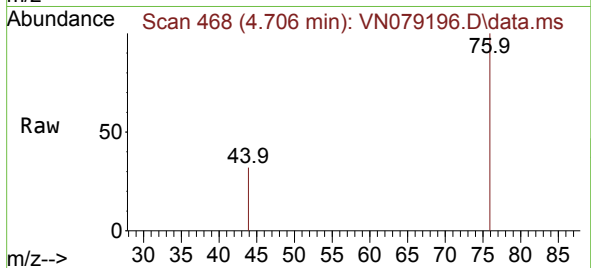
Tgt Ion: 58 Resp: 546
Ion Ratio Lower Upper
58 100
43 181.6 228.3 342.5#



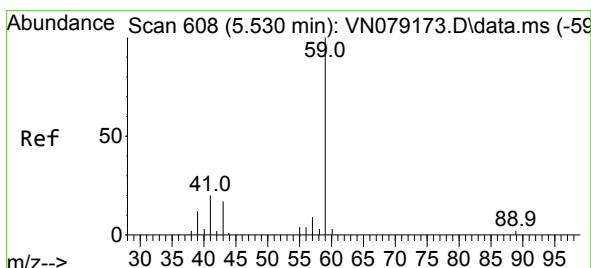
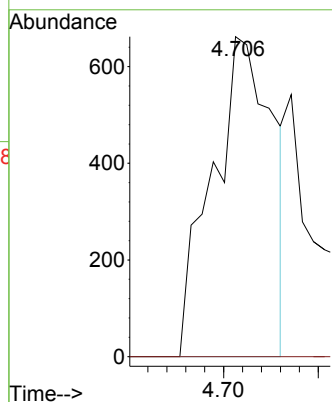
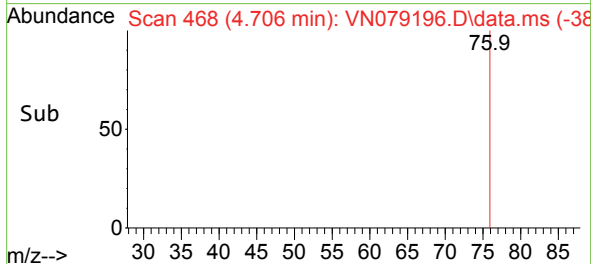


#16
Carbon Disulfide
Concen: 0.684 ug/l
RT: 4.706 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN079196.D
Acq: 08 Sep 2023 14:40

Instrument :
MSVOA_N
ClientSampleId :

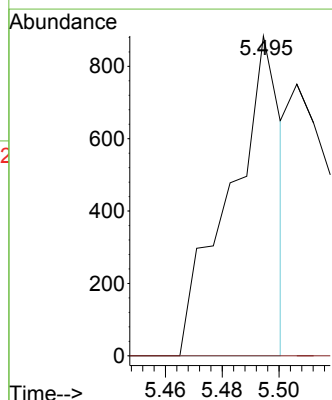
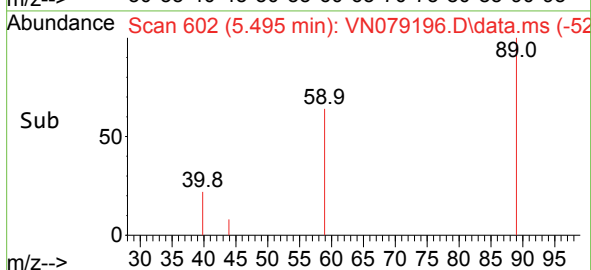
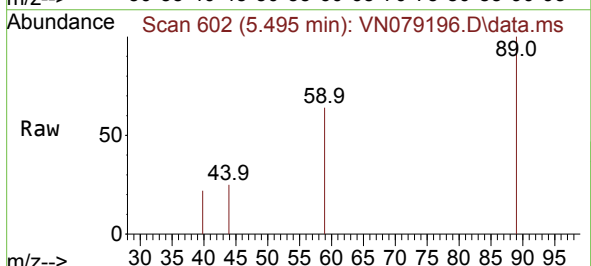


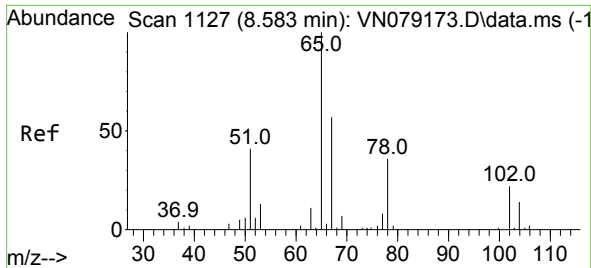
Tgt Ion: 76 Resp: 1465
Ion Ratio Lower Upper
76 100
78 0.0 6.9 10.3#



#23
tert-Butyl Alcohol
Concen: 5.751 ug/l
RT: 5.495 min Scan# 602
Delta R.T. -0.035 min
Lab File: VN079196.D
Acq: 08 Sep 2023 14:40

Tgt Ion: 59 Resp: 1097
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0





#27

1,2-Dichloroethane-d4

Concen: 31.760 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.005 min

Lab File: VN079196.D

Acq: 08 Sep 2023 14:40

Instrument :

MSVOA_N

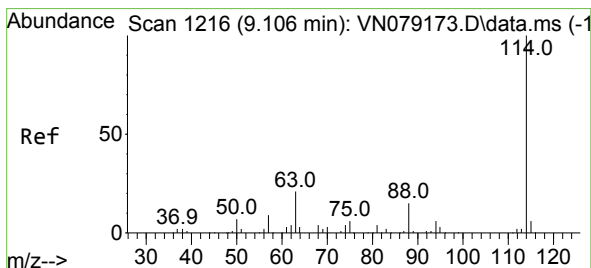
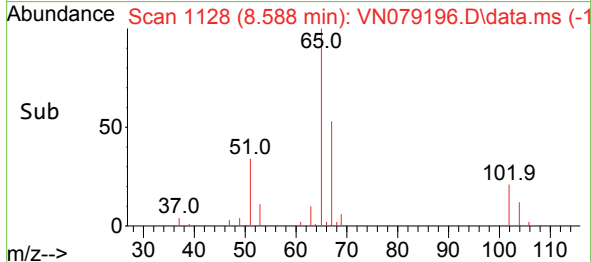
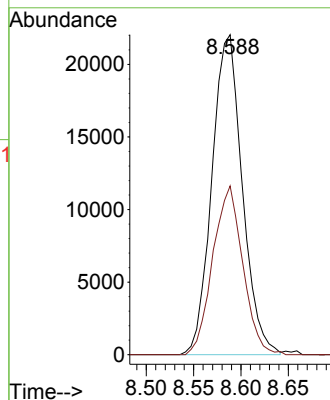
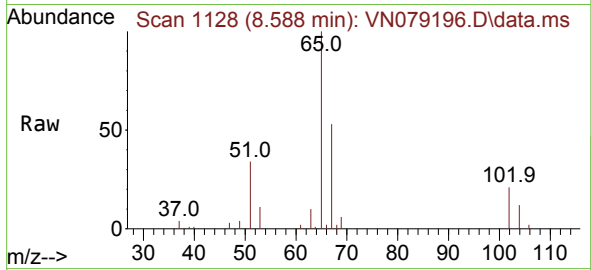
ClientSampleId :

Tgt Ion: 65 Resp: 49202

Ion Ratio Lower Upper

65 100

67 52.1 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: VN079196.D

Acq: 08 Sep 2023 14:40

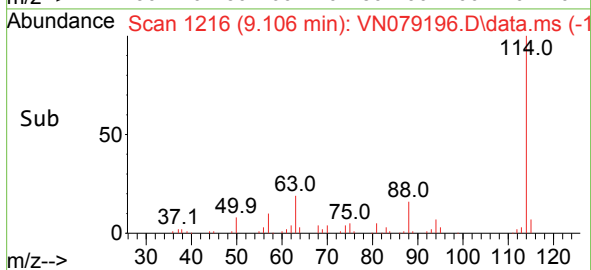
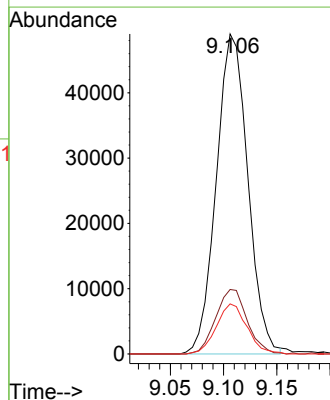
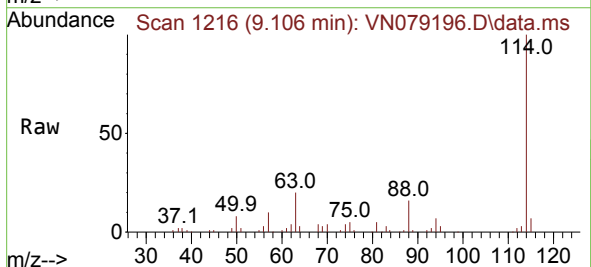
Tgt Ion: 114 Resp: 100793

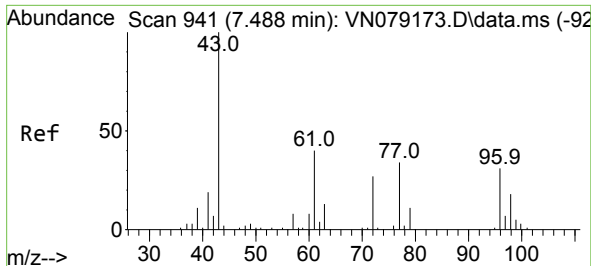
Ion Ratio Lower Upper

114 100

63 20.1 17.0 25.4

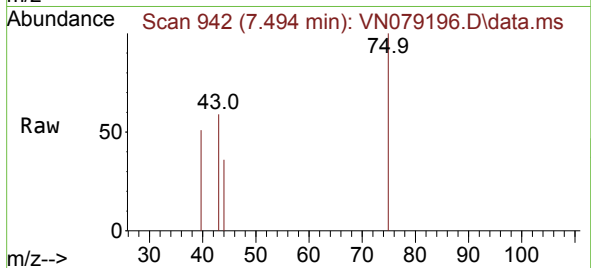
88 15.2 12.8 19.2



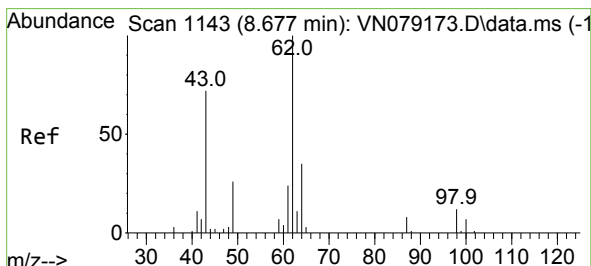
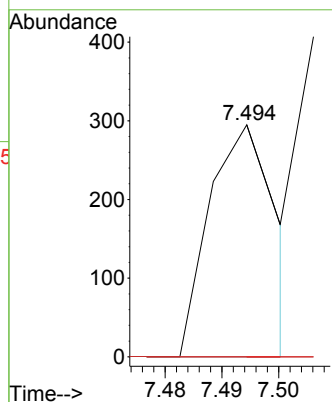
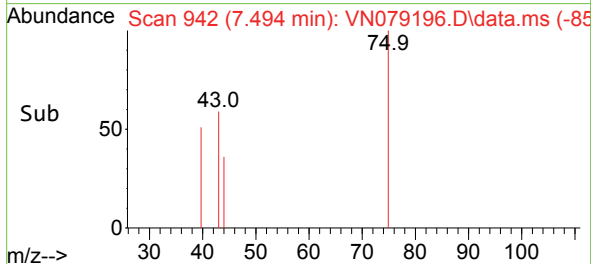


#30
2-Butanone
Concen: 0.298 ug/l
RT: 7.494 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN079196.D
Acq: 08 Sep 2023 14:40

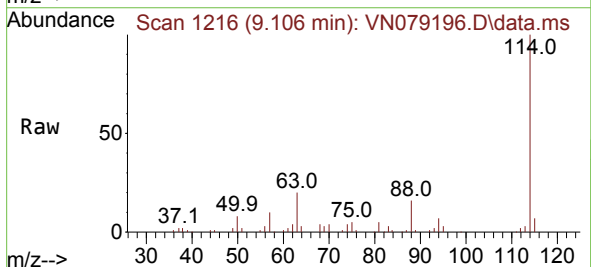
Instrument :
MSVOA_N
ClientSampleId :



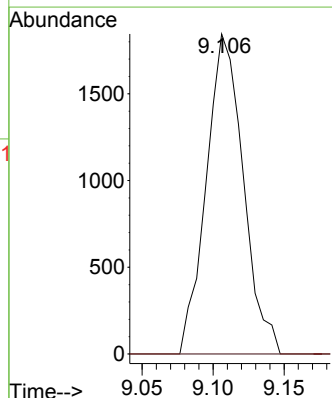
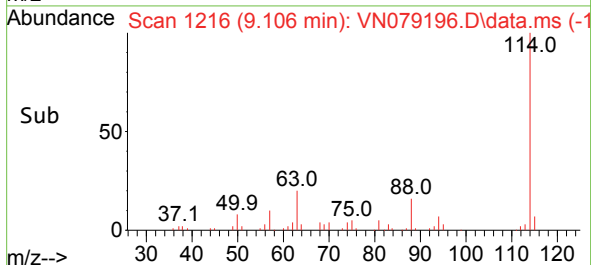
Tgt Ion: 43 Resp: 242
Ion Ratio Lower Upper
43 100
57 0.0 6.8 10.2#
72 0.0 22.4 33.6#

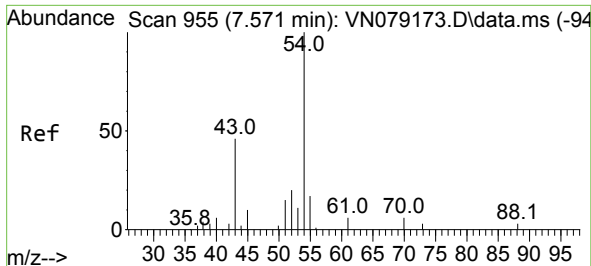


#36
1,2-Dichloroethane
Concen: 1.975 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.429 min
Lab File: VN079196.D
Acq: 08 Sep 2023 14:40



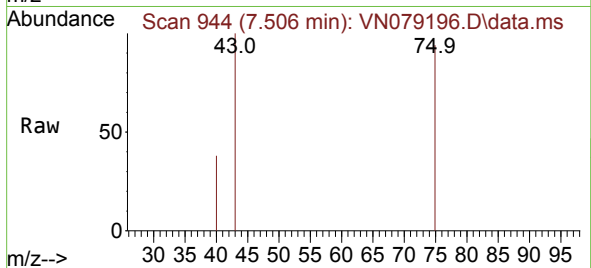
Tgt Ion: 62 Resp: 3345
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.2#



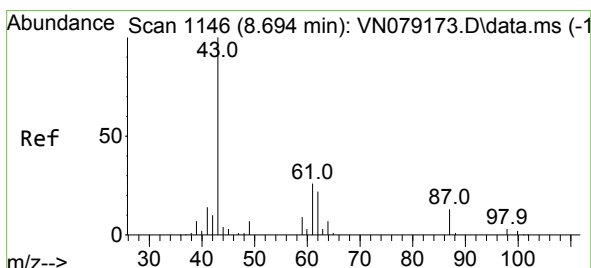
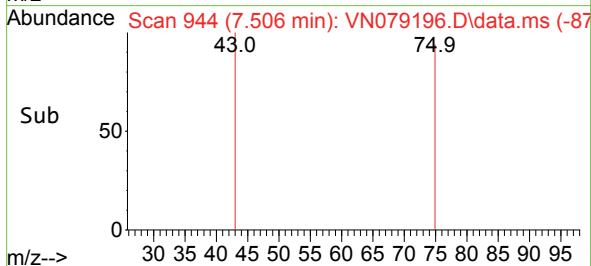
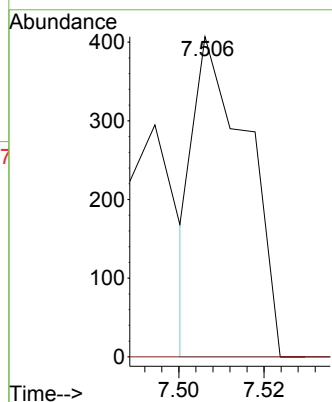


#43
Ethyl Acetate
Concen: 0.225 ug/l
RT: 7.506 min Scan# 94
Delta R.T. -0.065 min
Lab File: VN079196.D
Acq: 08 Sep 2023 14:40

Instrument :
MSVOA_N
ClientSampleId :

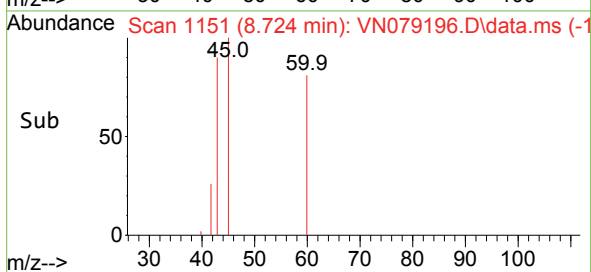
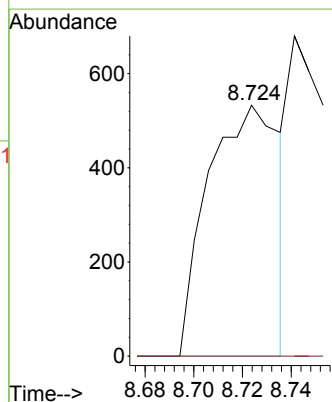
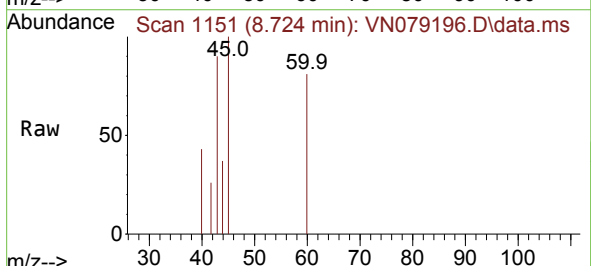


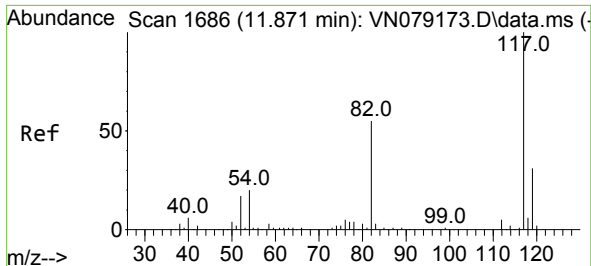
Tgt Ion: 43 Resp: 347
Ion Ratio Lower Upper
43 100
45 0.0 11.1 16.7#



#44
Isopropyl Acetate
Concen: 0.390 ug/l
RT: 8.724 min Scan# 1151
Delta R.T. 0.030 min
Lab File: VN079196.D
Acq: 08 Sep 2023 14:40

Tgt Ion: 43 Resp: 1082
Ion Ratio Lower Upper
43 100
61 59.1 22.6 33.8#

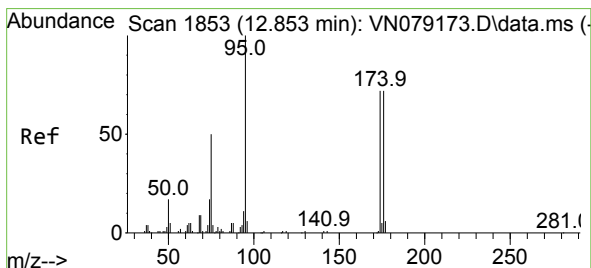
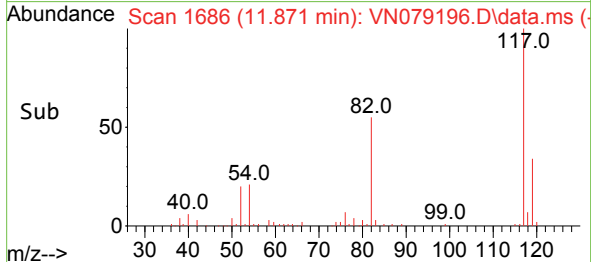
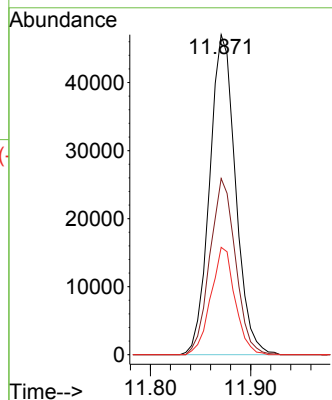
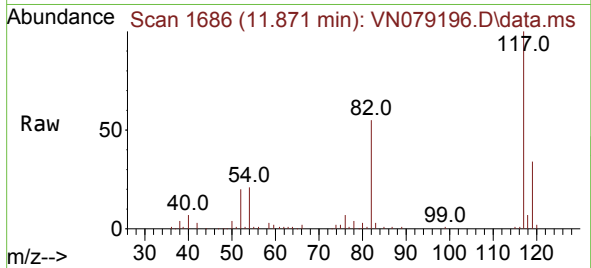




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN079196.D
Acq: 08 Sep 2023 14:40

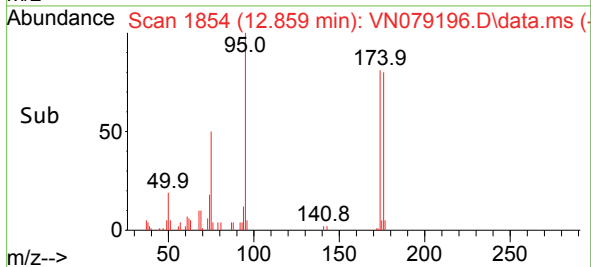
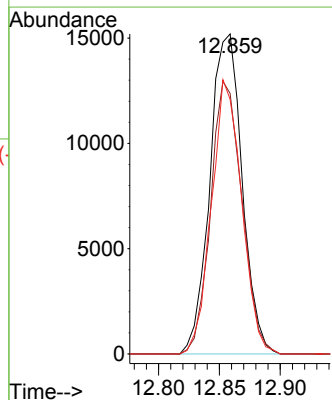
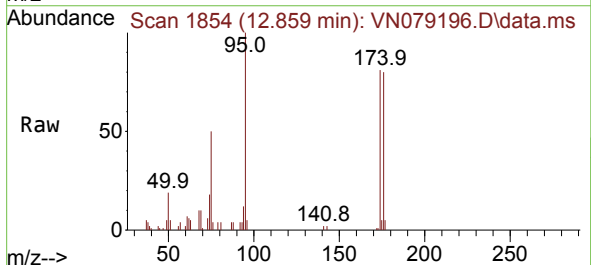
Instrument :
MSVOA_N
ClientSampleId :

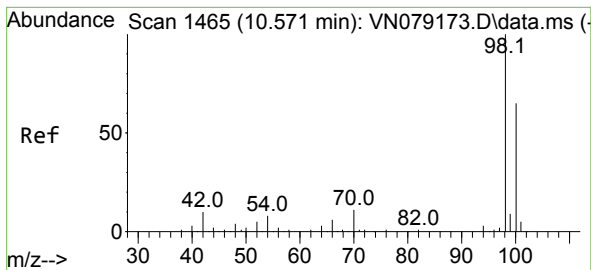
Tgt Ion:117 Resp: 84559
Ion Ratio Lower Upper
117 100
82 54.4 44.7 67.1
119 31.3 24.9 37.3



#60
4-Bromofluorobenzene
Concen: 22.479 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN079196.D
Acq: 08 Sep 2023 14:40

Tgt Ion: 95 Resp: 28007
Ion Ratio Lower Upper
95 100
174 82.6 59.5 89.3
176 80.1 59.1 88.7





#63

Toluene-d8

Concen: 30.407 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN079196.D

Acq: 08 Sep 2023 14:40

Instrument :

MSVOA_N

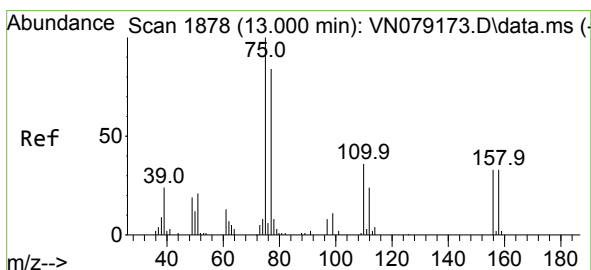
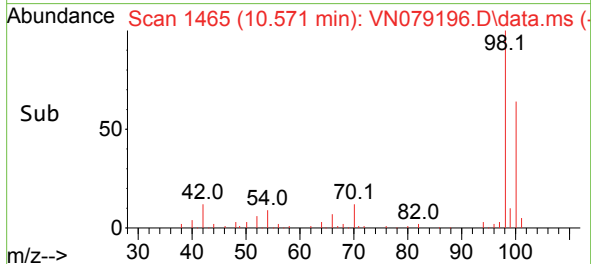
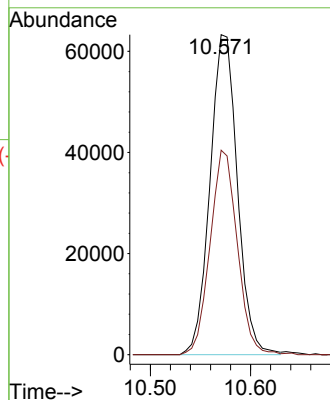
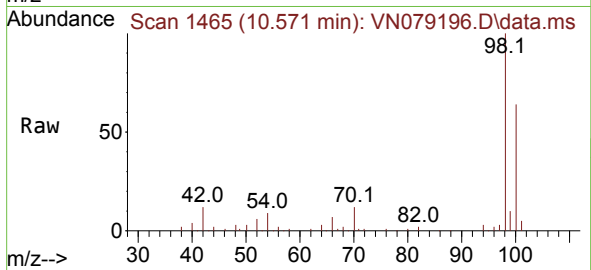
ClientSampleId :

Tgt Ion: 98 Resp: 120159

Ion Ratio Lower Upper

98 100

100 63.3 52.5 78.7



#72

1,2,3-Trichloropropane

Concen: 9.899 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079196.D

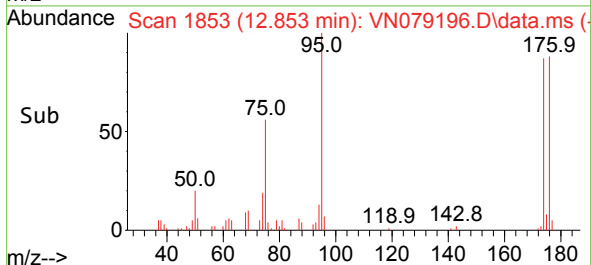
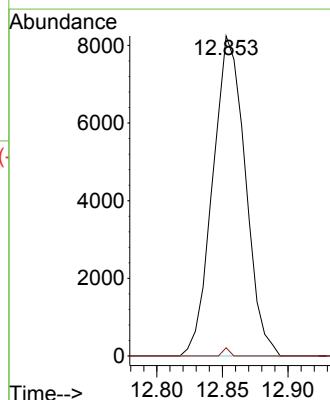
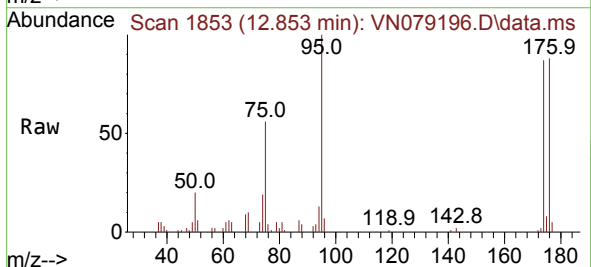
Acq: 08 Sep 2023 14:40

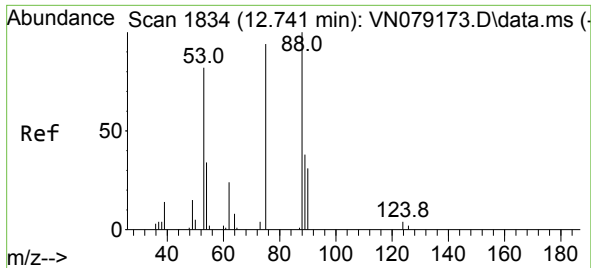
Tgt Ion: 75 Resp: 14247

Ion Ratio Lower Upper

75 100

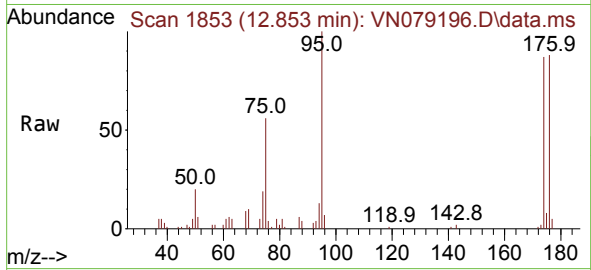
77 0.0 0.0 252.2





#77
 t-1,4-Dichloro-2-butene
 Concen: 28.117 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN079196.D
 Acq: 08 Sep 2023 14:40

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	75	Resp:	14247
Ion	Ratio	Lower	Upper
75	100		
53	0.0	44.1	132.4#
89	0.0	22.4	67.3#

