

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090823\
 Data File : VN079199.D
 Acq On : 08 Sep 2023 15:53
 Operator : JC\MD
 Sample : 04299-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 08 23:16:54 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)

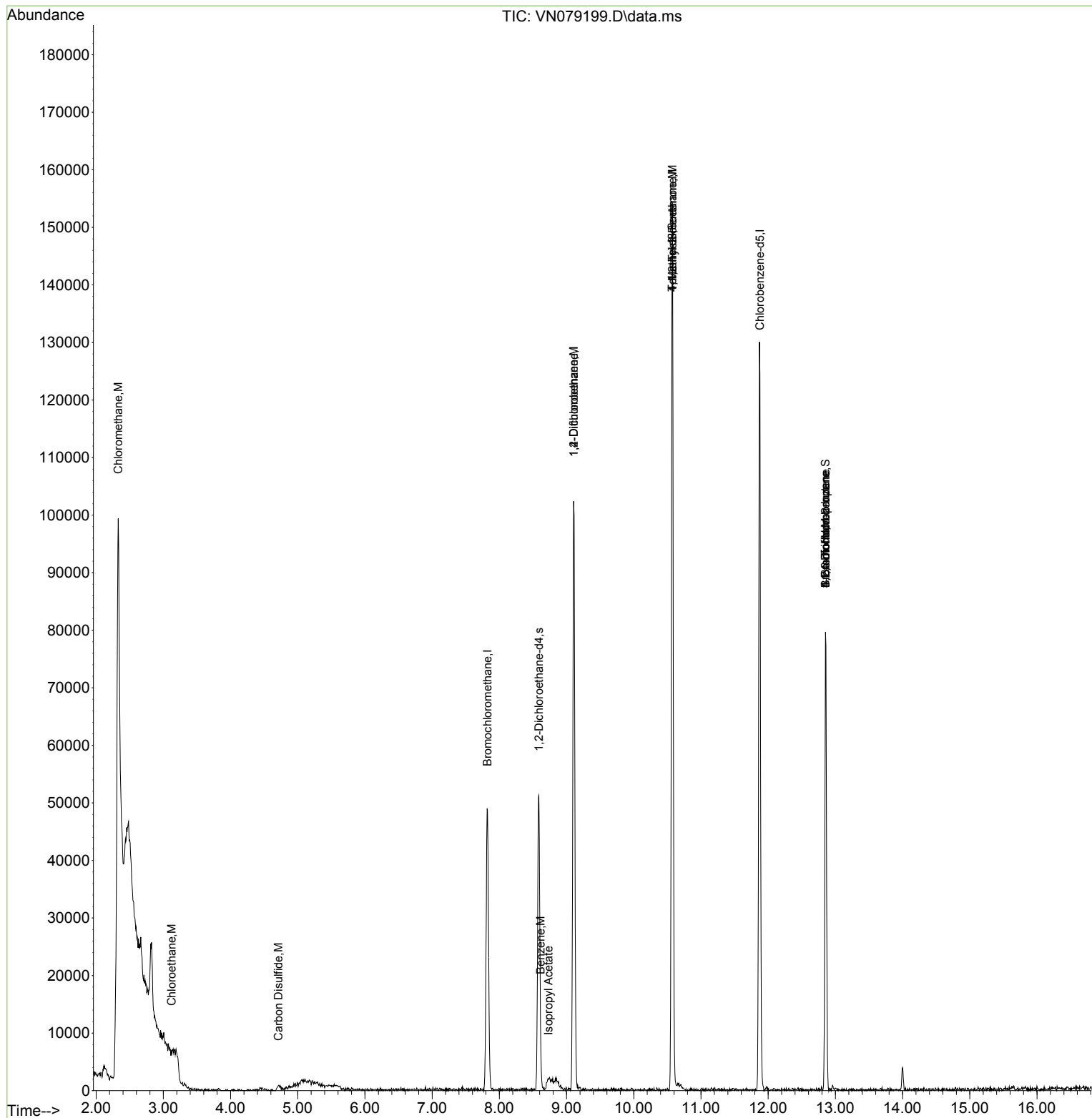
Internal Standards						
1) Bromochloromethane	7.824	128	18544	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	90582	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.876	117	80904	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	43129	30.956	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.200%
60) 4-Bromofluorobenzene	12.853	95	27645	23.191	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	77.300%
63) Toluene-d8	10.570	98	110233	29.155	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.167%
Target Compounds						
					Qvalue	
3) Chloromethane	2.330	50	5319	5.129	ug/l #	45
6) Chloroethane	3.124	64	336	0.535	ug/l #	50
16) Carbon Disulfide	4.712	76	1572	0.816	ug/l #	76
34) Benzene	8.612	78	1137	0.246	ug/l #	1
36) 1,2-Dichloroethane	9.106	62	3166	2.080	ug/l #	73
44) Isopropyl Acetate	8.729	43	1468	0.588	ug/l #	78
50) 1,1,2-Trichloroethane	10.576	97	3535	3.210	ug/l #	1
56) Bromoform	12.853	173	303	0.377	ug/l #	1
58) 4-Methyl-2-Pentanone	10.576	43	346	0.233	ug/l #	1
72) 1,2,3-Trichloropropane	12.853	75	14740	10.704	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.853	75	14740	30.404	ug/l #	14

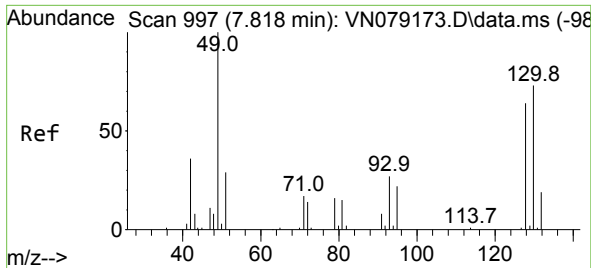
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090823\
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MSVOA_N
ClientSampleId :

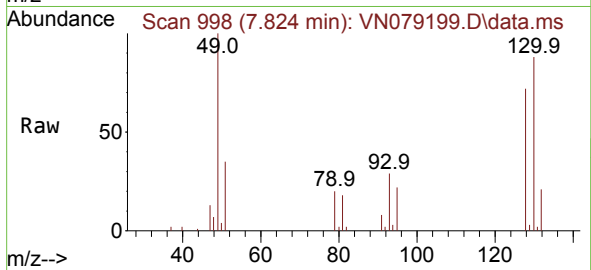
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 08 05:09:17 2023
Response via : Initial Calibration



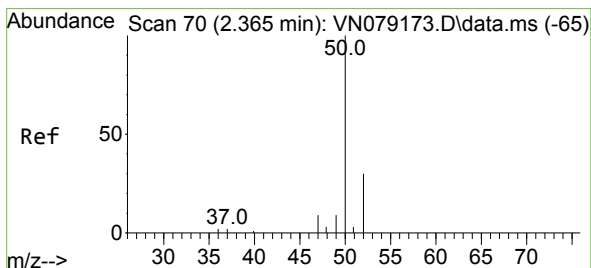
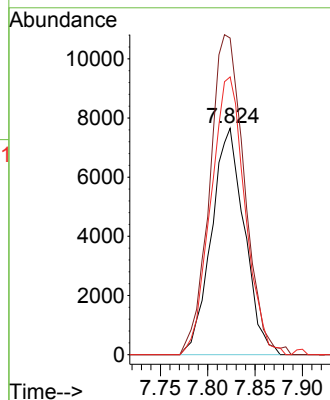
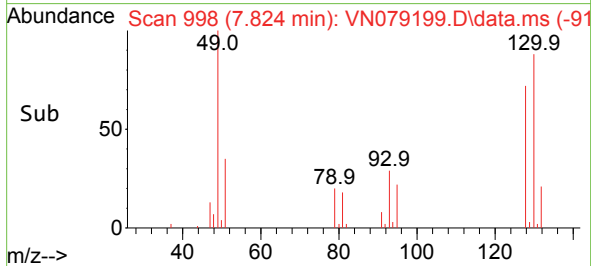


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN079199.D
Acq: 08 Sep 2023 15:53

Instrument :
MSVOA_N
ClientSampleId :

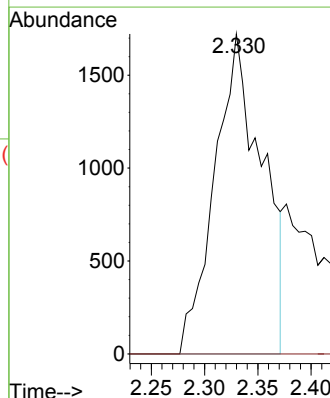
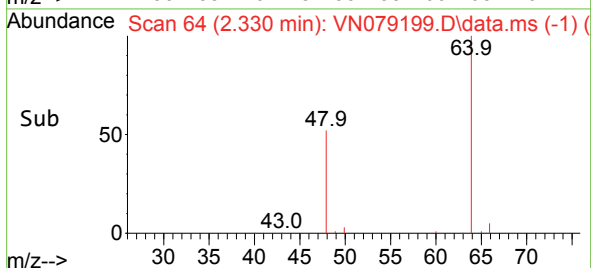
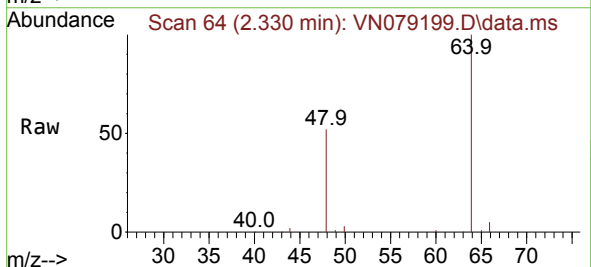


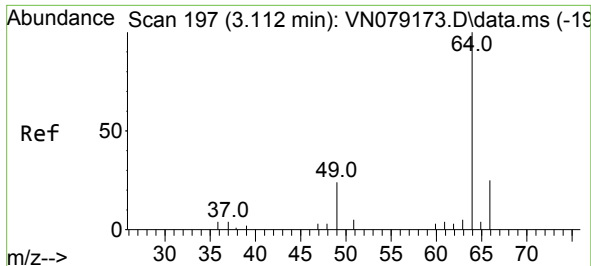
Tgt Ion:128 Resp: 18544
Ion Ratio Lower Upper
128 100
49 148.6 0.0 414.3
130 127.1 0.0 311.0



#3
Chloromethane
Concen: 5.129 ug/l
RT: 2.330 min Scan# 64
Delta R.T. -0.035 min
Lab File: VN079199.D
Acq: 08 Sep 2023 15:53

Tgt Ion: 50 Resp: 5319
Ion Ratio Lower Upper
50 100
52 0.0 24.0 36.0#

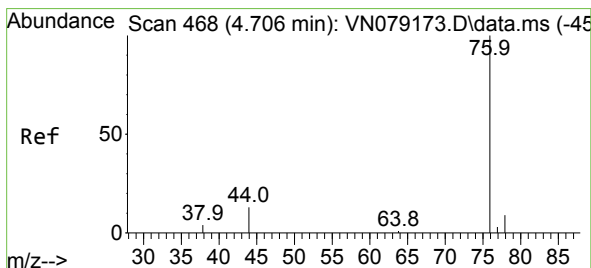
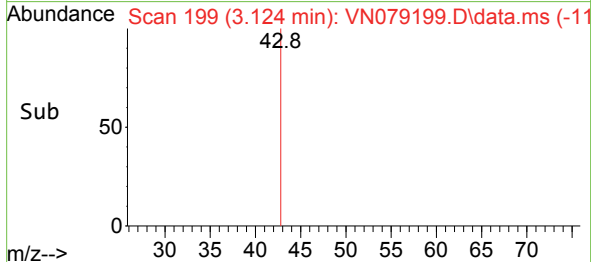
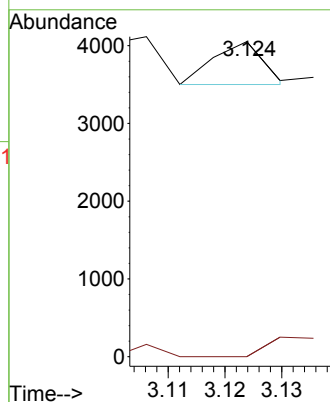
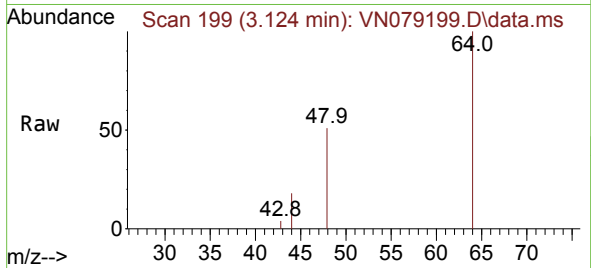




#6
Chloroethane
Concen: 0.535 ug/l
RT: 3.124 min Scan# 197
Delta R.T. 0.012 min
Lab File: VN079199.D
Acq: 08 Sep 2023 15:53

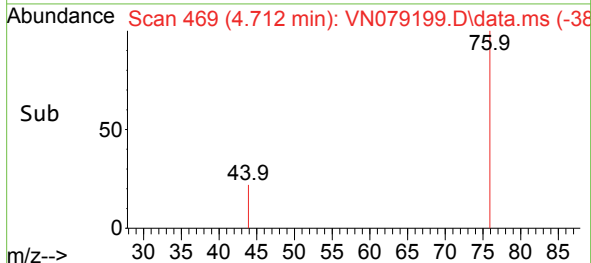
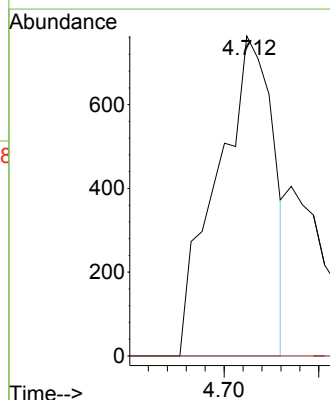
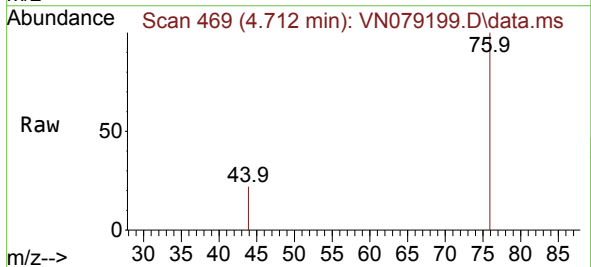
Instrument :
MSVOA_N
ClientSampleId :

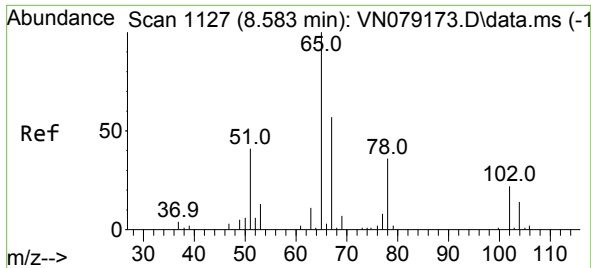
Tgt Ion: 64 Resp: 336
Ion Ratio Lower Upper
64 100
66 0.0 20.1 30.1#



#16
Carbon Disulfide
Concen: 0.816 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.006 min
Lab File: VN079199.D
Acq: 08 Sep 2023 15:53

Tgt Ion: 76 Resp: 1572
Ion Ratio Lower Upper
76 100
78 0.0 6.9 10.3#





#27

1,2-Dichloroethane-d4

Concen: 30.956 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.005 min

Lab File: VN079199.D

Acq: 08 Sep 2023 15:53

Instrument :

MSVOA_N

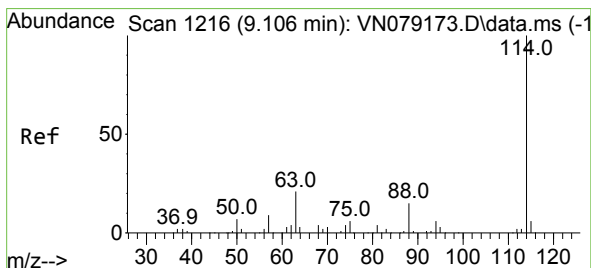
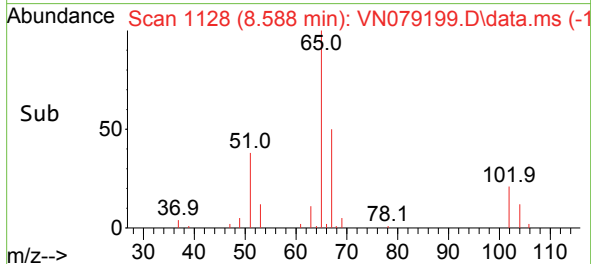
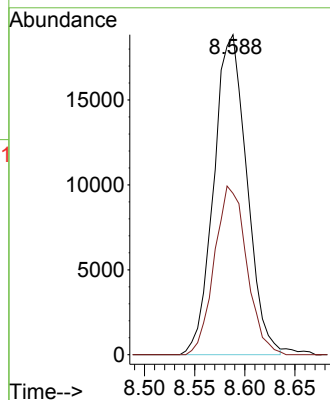
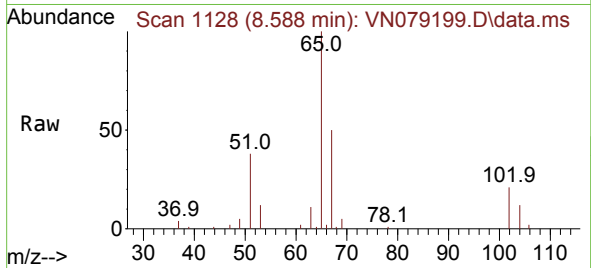
ClientSampleId :

Tgt Ion: 65 Resp: 43129

Ion Ratio Lower Upper

65 100

67 51.6 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: VN079199.D

Acq: 08 Sep 2023 15:53

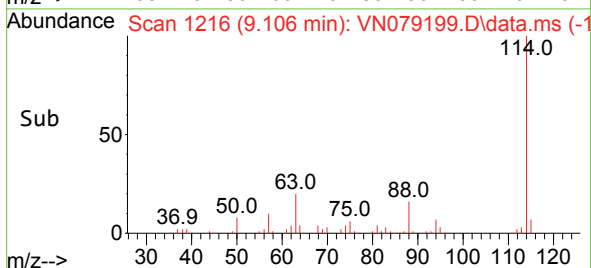
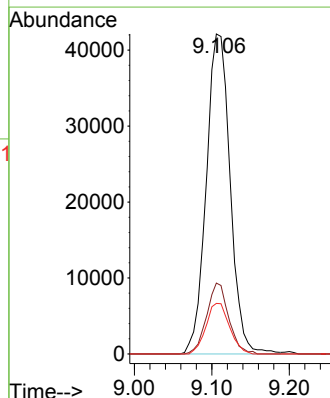
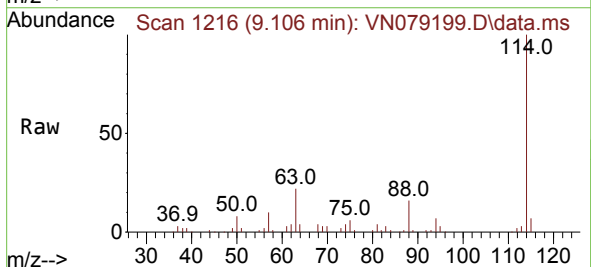
Tgt Ion:114 Resp: 90582

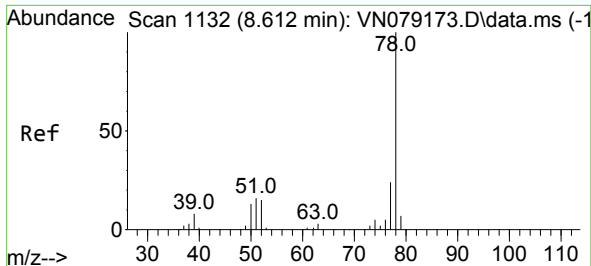
Ion Ratio Lower Upper

114 100

63 20.3 17.0 25.4

88 15.5 12.8 19.2

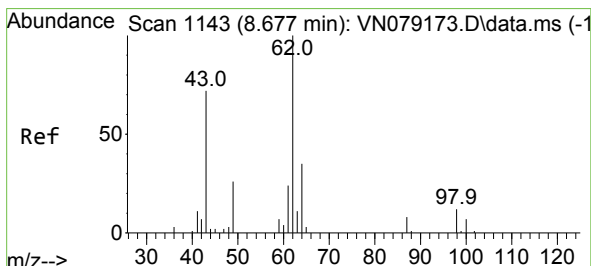
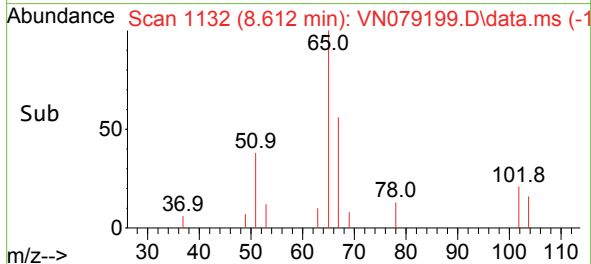
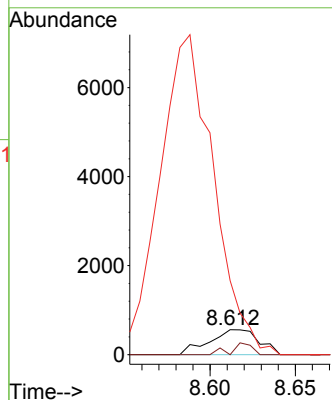
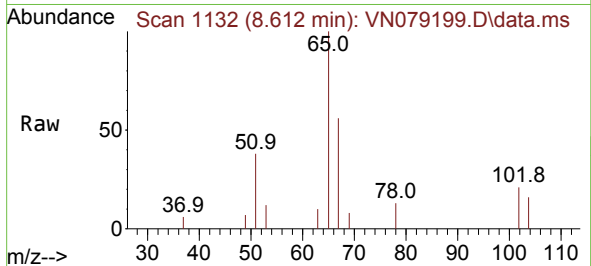




#34
Benzene
Concen: 0.246 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN079199.D
Acq: 08 Sep 2023 15:53

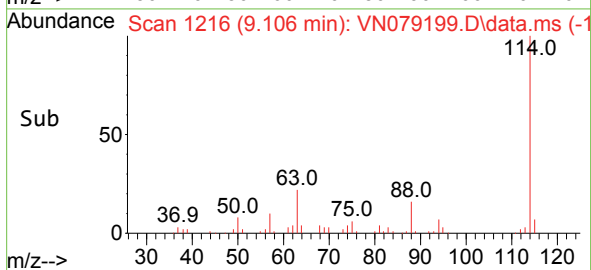
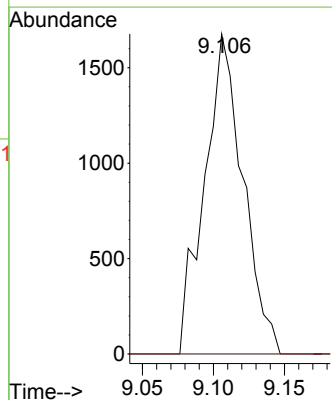
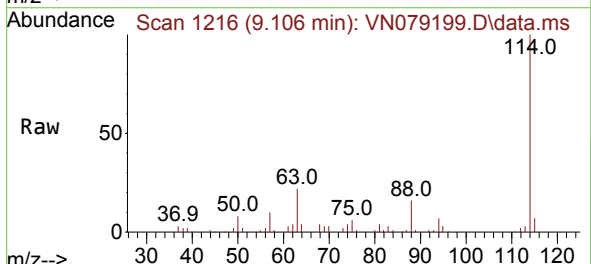
Instrument :
MSVOA_N
ClientSampleId :

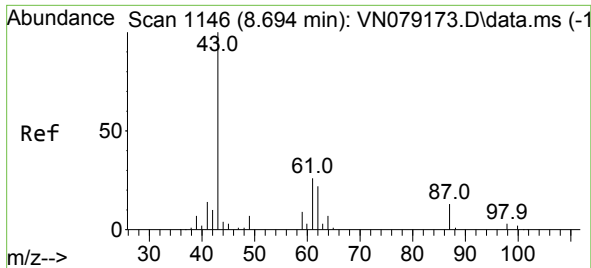
Tgt Ion: 78 Resp: 1137
Ion Ratio Lower Upper
78 100
77 0.0 18.9 28.3#
51 296.3 13.1 19.7#



#36
1,2-Dichloroethane
Concen: 2.080 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.429 min
Lab File: VN079199.D
Acq: 08 Sep 2023 15:53

Tgt Ion: 62 Resp: 3166
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.2#

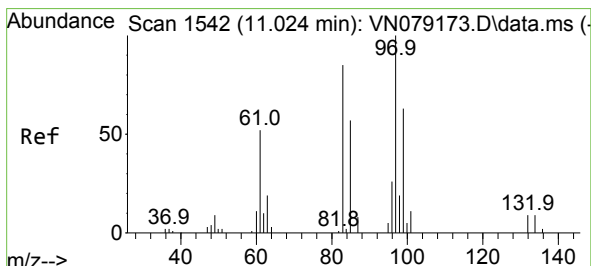
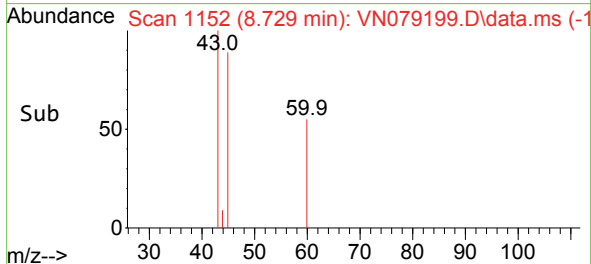
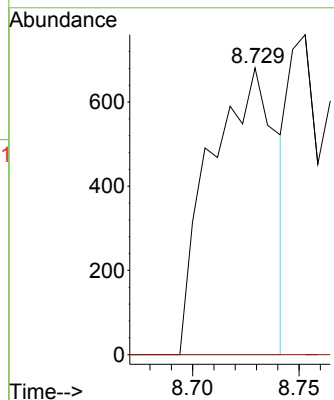
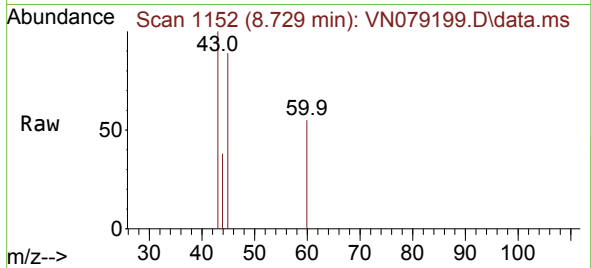




#44
Isopropyl Acetate
Concen: 0.588 ug/l
RT: 8.729 min Scan# 1146
Delta R.T. 0.035 min
Lab File: VN079199.D
Acq: 08 Sep 2023 15:53

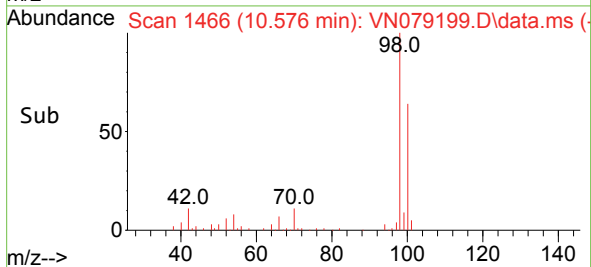
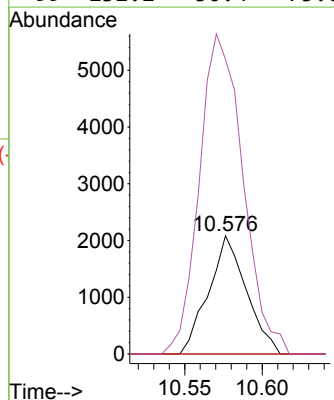
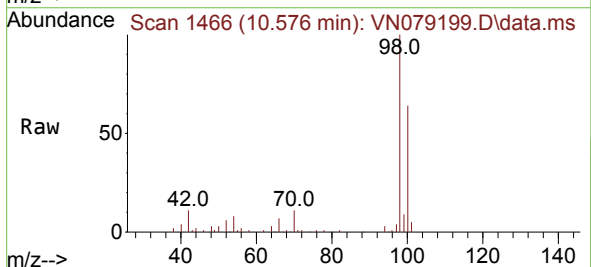
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MSVOA_N
ClientSampleId :

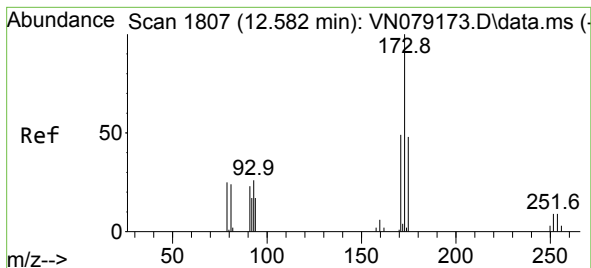
Tgt Ion: 43 Resp: 1468
Ion Ratio Lower Upper
43 100
61 40.0 22.6 33.8#



#50
1,1,2-Trichloroethane
Concen: 3.210 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. -0.448 min
Lab File: VN079199.D
Acq: 08 Sep 2023 15:53

Tgt Ion: 97 Resp: 3535
Ion Ratio Lower Upper
97 100
83 0.0 68.9 103.3#
85 0.0 45.3 67.9#
99 232.2 50.4 75.6#





#56

Bromoform

Concen: 0.377 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

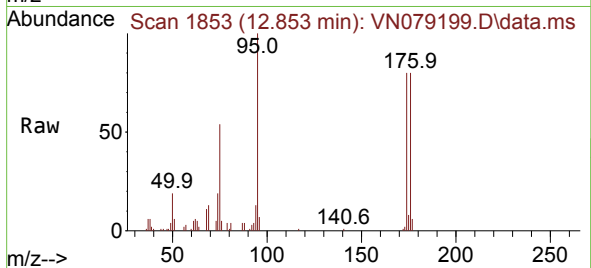
Lab File: VN079199.D

Acq: 08 Sep 2023 15:53

Instrument :

MSVOA_N

ClientSampleId :



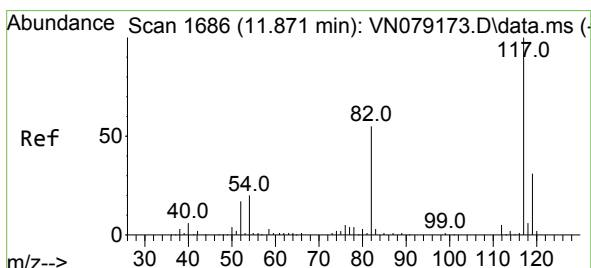
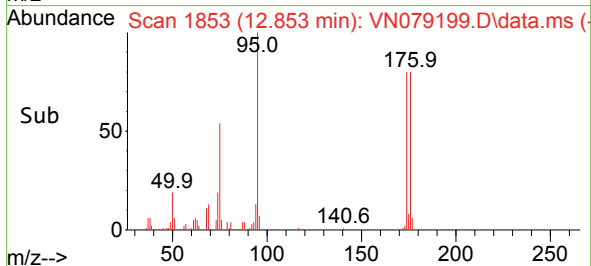
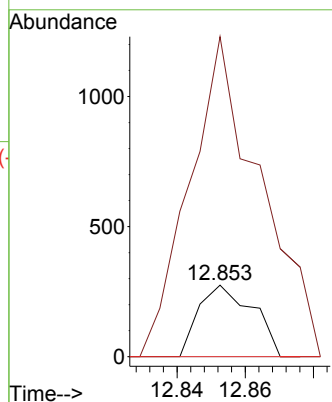
Tgt Ion:173 Resp: 303

Ion Ratio Lower Upper

173 100

175 584.8 37.6 56.4#

254 0.0 7.8 11.8#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.876 min Scan# 1687

Delta R.T. 0.005 min

Lab File: VN079199.D

Acq: 08 Sep 2023 15:53

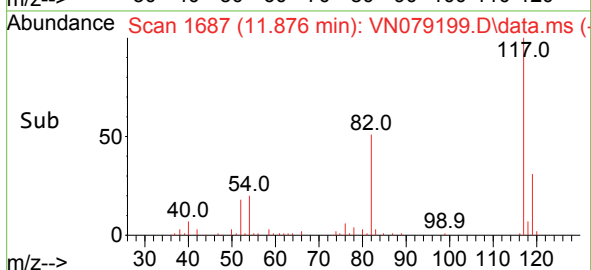
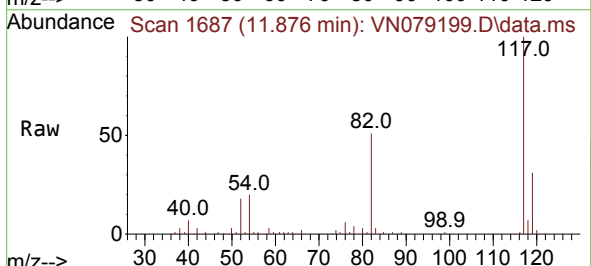
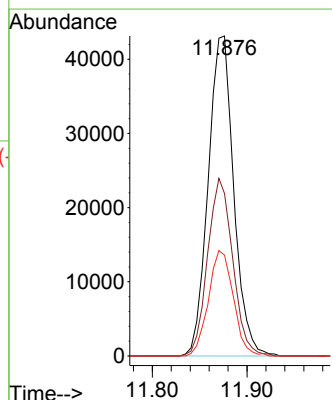
Tgt Ion:117 Resp: 80904

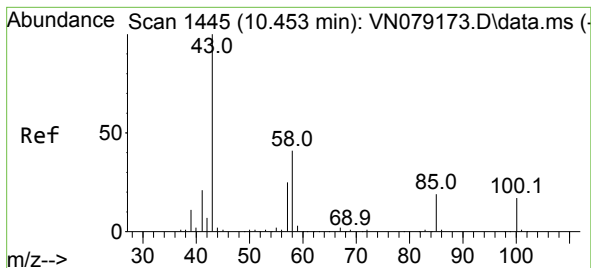
Ion Ratio Lower Upper

117 100

82 54.5 44.7 67.1

119 32.1 24.9 37.3

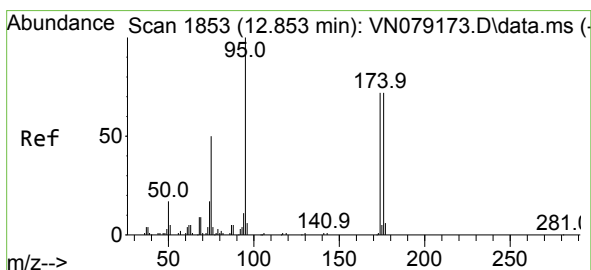
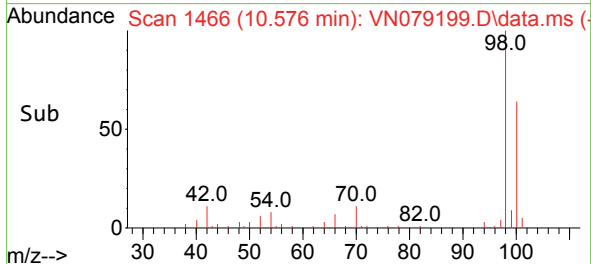
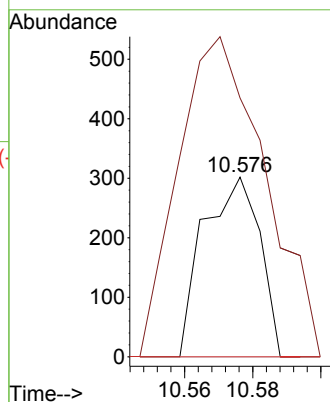
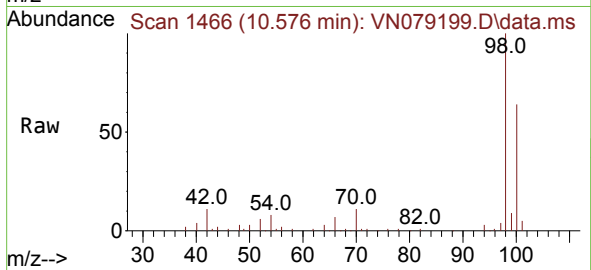




#58
 4-Methyl-2-Pentanone
 Concen: 0.233 ug/l
 RT: 10.576 min Scan# 1445
 Delta R.T. 0.123 min
 Lab File: VN079199.D
 Acq: 08 Sep 2023 15:53

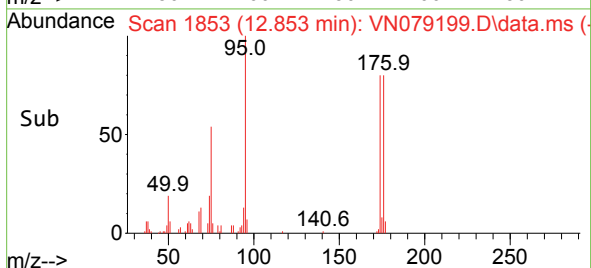
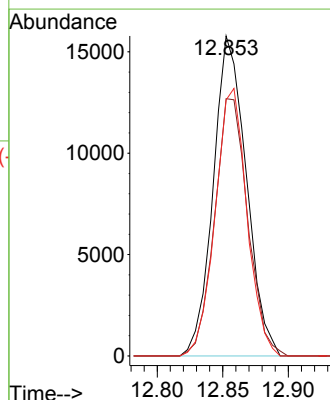
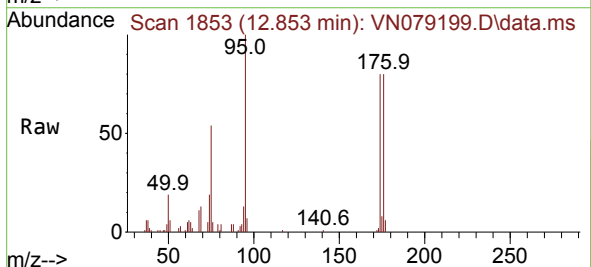
Instrument :
 MSVOA_N
 ClientSampleId :

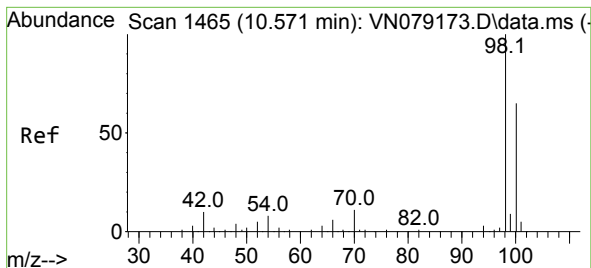
Tgt Ion: 43 Resp: 346
 Ion Ratio Lower Upper
 43 100
 58 274.9 33.6 50.4#
 85 0.0 15.0 22.4#



#60
 4-Bromofluorobenzene
 Concen: 23.191 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.000 min
 Lab File: VN079199.D
 Acq: 08 Sep 2023 15:53

Tgt Ion: 95 Resp: 27645
 Ion Ratio Lower Upper
 95 100
 174 80.9 59.5 89.3
 176 80.0 59.1 88.7





#63

Toluene-d8

Concen: 29.155 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. -0.001 min

Lab File: VN079199.D

Acq: 08 Sep 2023 15:53

Instrument :

MSVOA_N

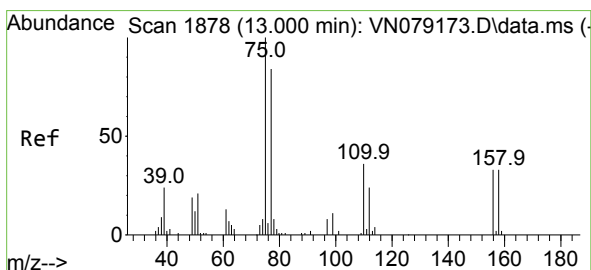
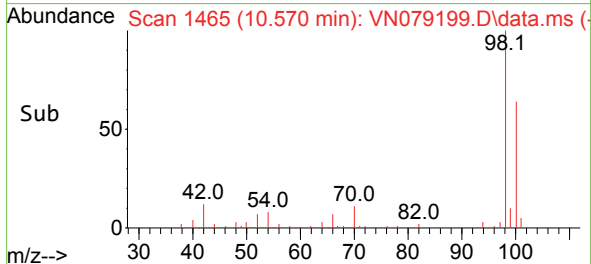
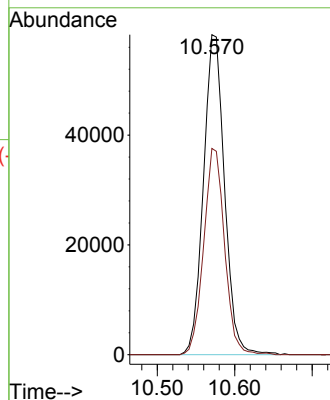
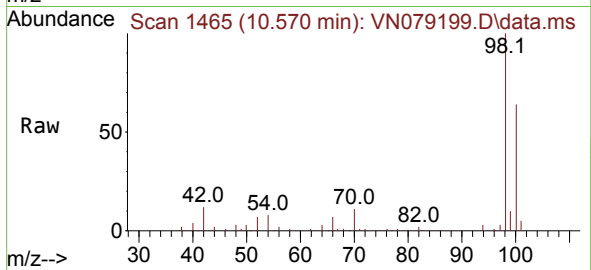
ClientSampleId :

Tgt Ion: 98 Resp: 110233

Ion Ratio Lower Upper

98 100

100 63.5 52.5 78.7



#72

1,2,3-Trichloropropane

Concen: 10.704 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079199.D

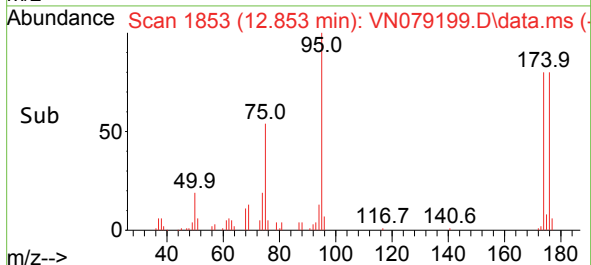
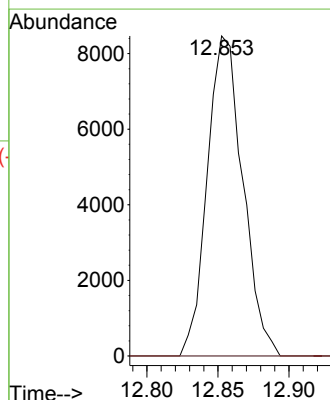
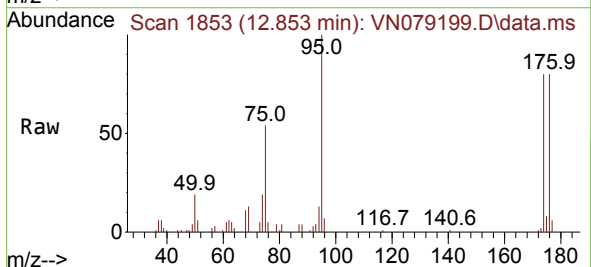
Acq: 08 Sep 2023 15:53

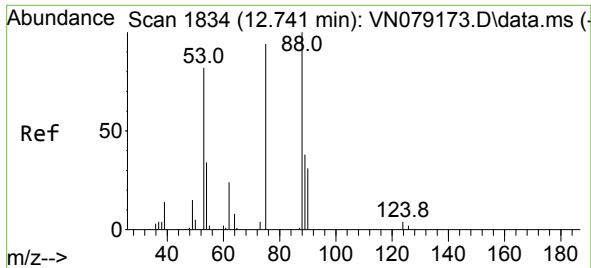
Tgt Ion: 75 Resp: 14740

Ion Ratio Lower Upper

75 100

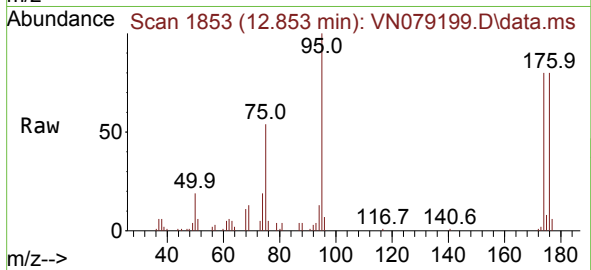
77 0.0 0.0 252.2





#77
 t-1,4-Dichloro-2-butene
 Concen: 30.404 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN079199.D
 Acq: 08 Sep 2023 15:53

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	75	Resp:	14740
Ion	Ratio	Lower	Upper
75	100		
53	0.0	44.1	132.4#
89	0.0	22.4	67.3#

