

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090823\
 Data File : VN079200.D
 Acq On : 08 Sep 2023 16:17
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 08 23:17:11 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)

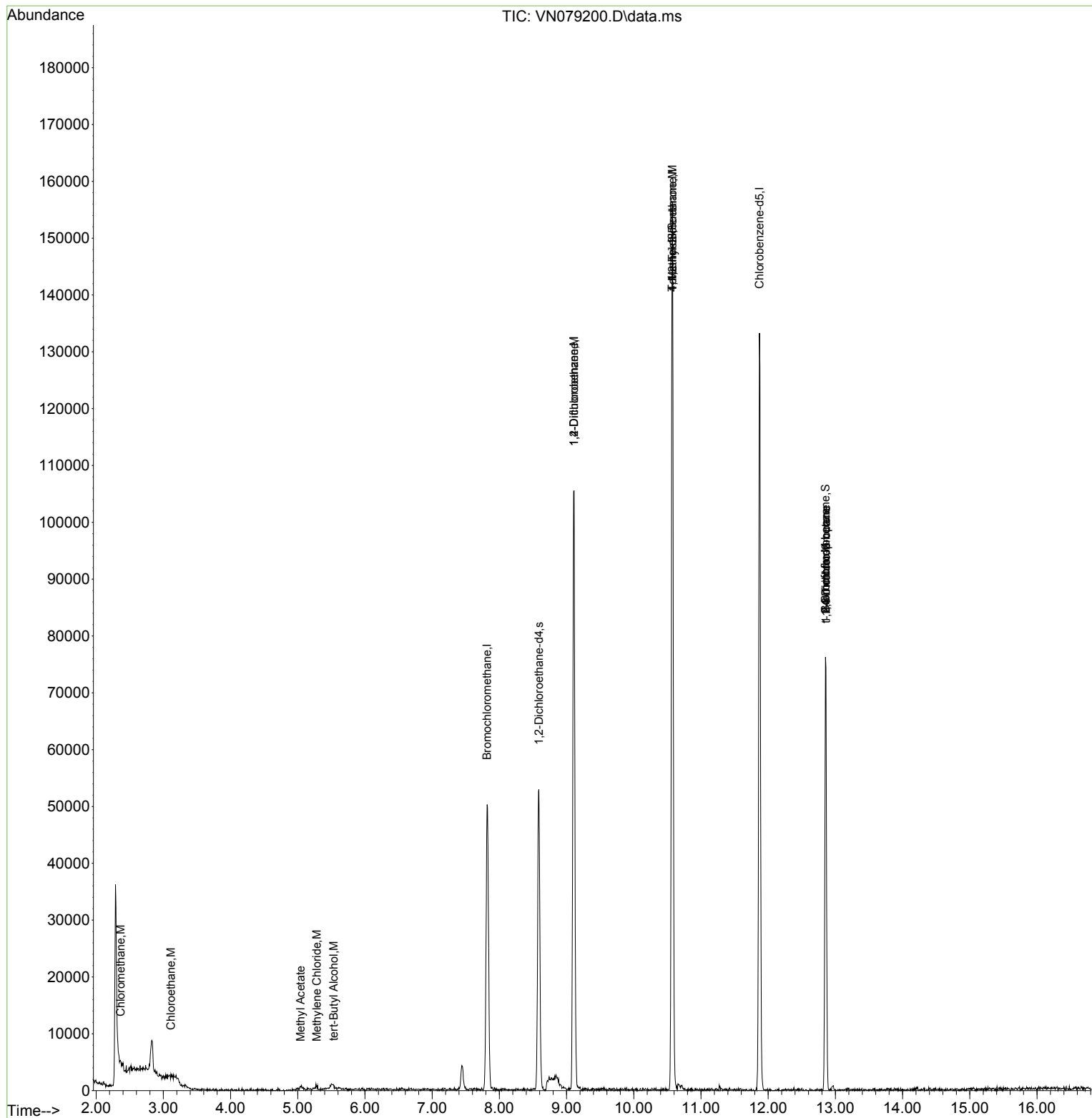
Internal Standards						
1) Bromochloromethane	7.818	128	19325	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.112	114	94066	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	81788	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	44421	30.595	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.967%
60) 4-Bromofluorobenzene	12.853	95	26565	22.044	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	73.467%
63) Toluene-d8	10.571	98	113837	29.783	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.267%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	459	0.425	ug/l #	45
6) Chloroethane	3.112	64	506	0.773	ug/l #	50
12) Methyl Acetate	5.042	43	692	0.437	ug/l #	50
18) Methylene Chloride	5.283	84	252	0.276	ug/l #	20
23) tert-Butyl Alcohol	5.536	59	72	0.403	ug/l #	100
36) 1,2-Dichloroethane	9.112	62	3108	1.967	ug/l #	73
50) 1,1,2-Trichloroethane	10.576	97	2401	2.100	ug/l #	1
56) Bromoform	12.853	173	351	0.420	ug/l #	1
58) 4-Methyl-2-Pentanone	10.576	43	426	0.284	ug/l #	1
72) 1,2,3-Trichloropropane	12.859	75	13825	9.931	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.859	75	13825	28.208	ug/l #	14

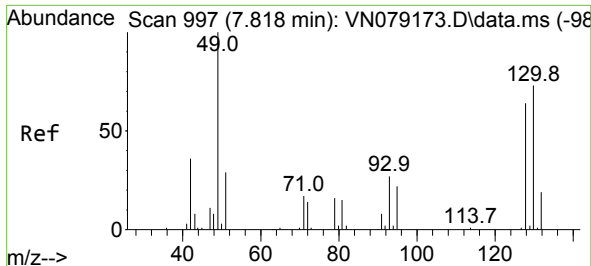
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090823\
Data File : VN079200.D
Acq On : 08 Sep 2023 16:17
Operator : JC\MD
Sample : IBLK
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

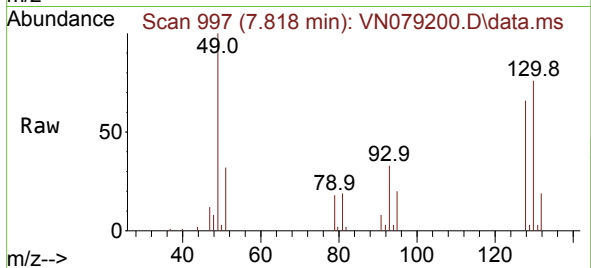
Quant Time: Sep 08 23:17:11 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 08 05:09:17 2023
Response via : Initial Calibration



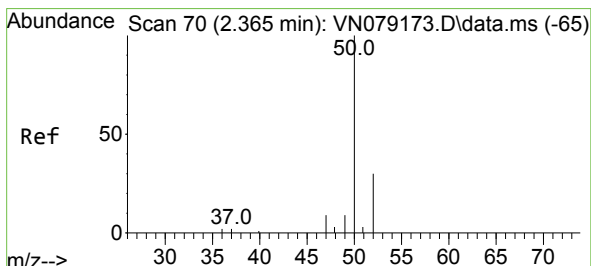
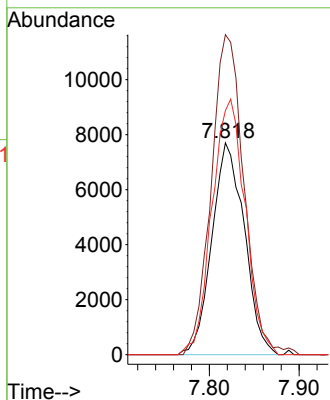
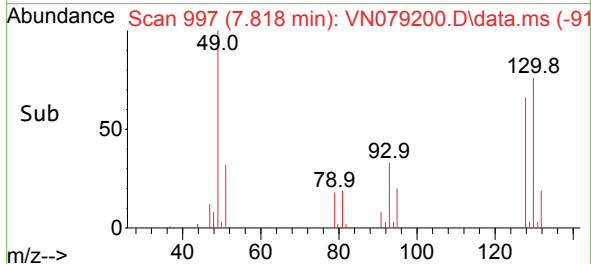


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 997
Delta R.T. -0.000 min
Lab File: VN079200.D
Acq: 08 Sep 2023 16:17

Instrument :
MSVOA_N
ClientSampleId :

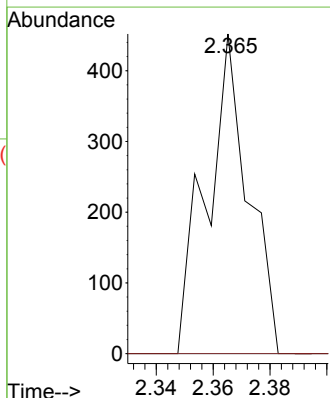
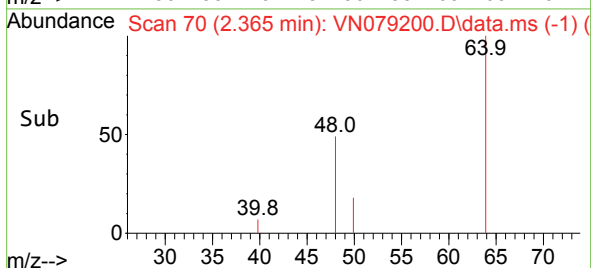
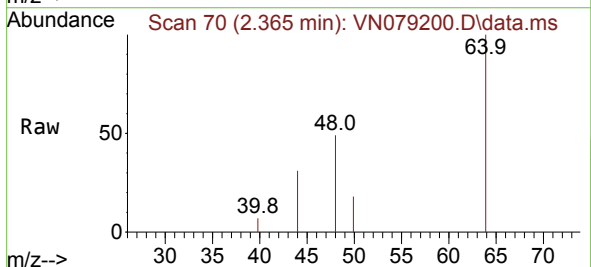


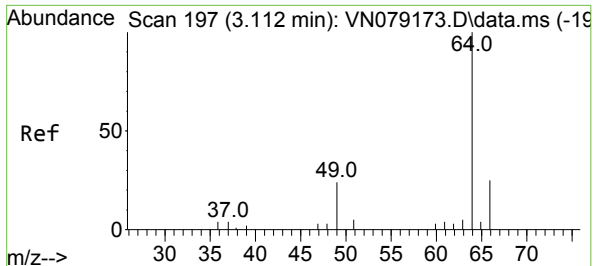
Tgt Ion:128 Resp: 19325
Ion Ratio Lower Upper
128 100
49 151.9 0.0 414.3
130 123.5 0.0 311.0



#3
Chloromethane
Concen: 0.425 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN079200.D
Acq: 08 Sep 2023 16:17

Tgt Ion: 50 Resp: 459
Ion Ratio Lower Upper
50 100
52 0.0 24.0 36.0#

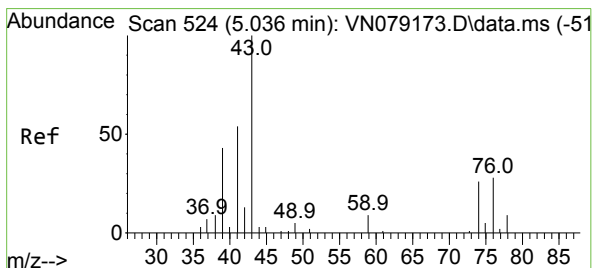
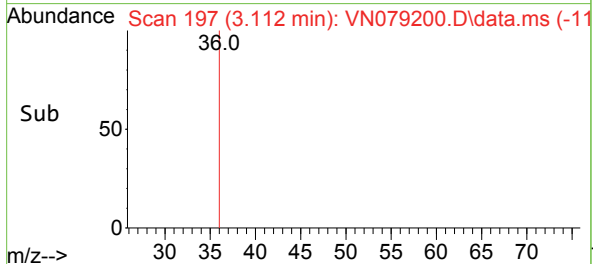
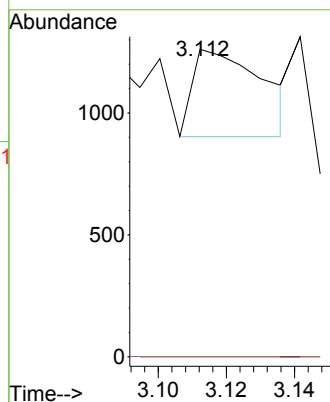
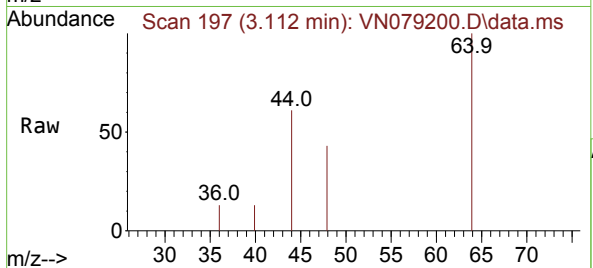




#6
Chloroethane
Concen: 0.773 ug/l
RT: 3.112 min Scan# 197
Delta R.T. 0.000 min
Lab File: VN079200.D
Acq: 08 Sep 2023 16:17

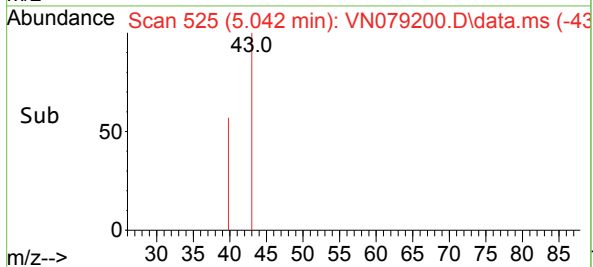
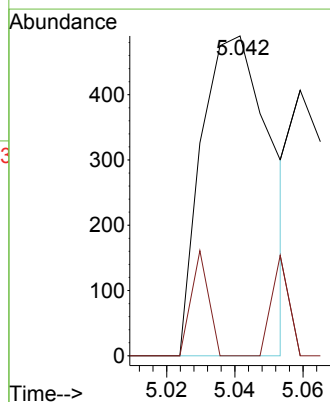
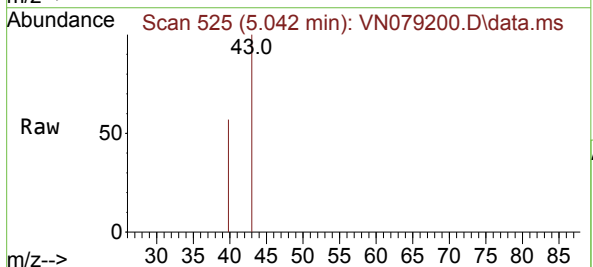
Instrument :
MSVOA_N
ClientSampleId :

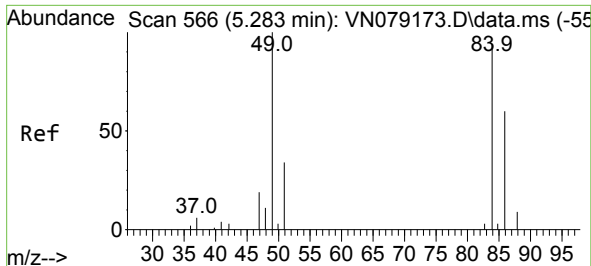
Tgt Ion: 64 Resp: 506
Ion Ratio Lower Upper
64 100
66 0.0 20.1 30.1#



#12
Methyl Acetate
Concen: 0.437 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.006 min
Lab File: VN079200.D
Acq: 08 Sep 2023 16:17

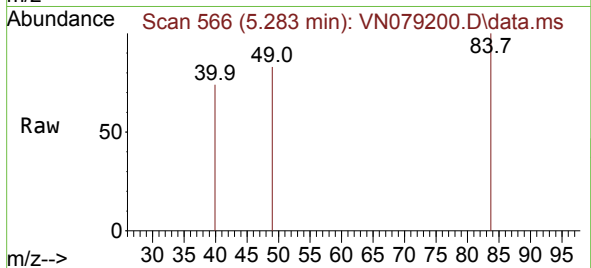
Tgt Ion: 43 Resp: 692
Ion Ratio Lower Upper
43 100
74 0.0 20.4 30.6#





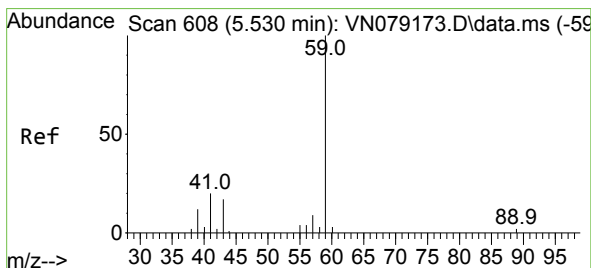
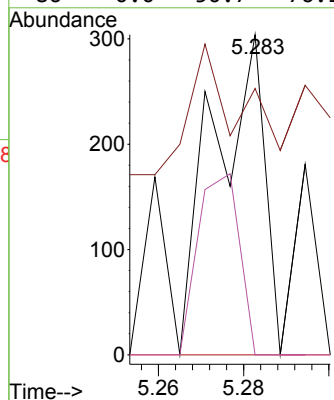
#18
Methylene Chloride
Concen: 0.276 ug/l
RT: 5.283 min Scan# 509
Delta R.T. -0.000 min
Lab File: VN079200.D
Acq: 08 Sep 2023 16:17

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 252

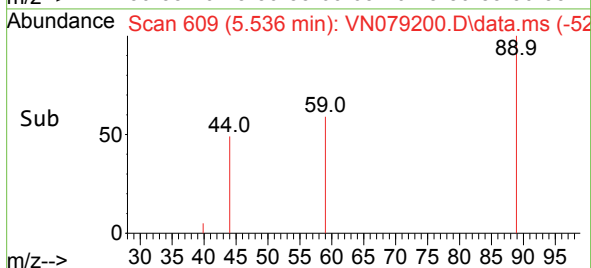
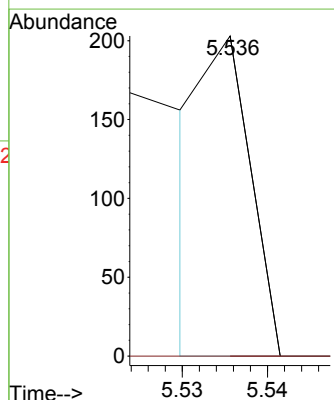
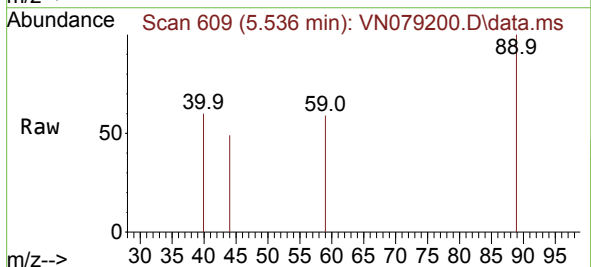
Ion	Ratio	Lower	Upper
84	100		
49	19.4	86.9	130.3#
51	0.0	28.6	43.0#
86	0.0	50.7	76.1#

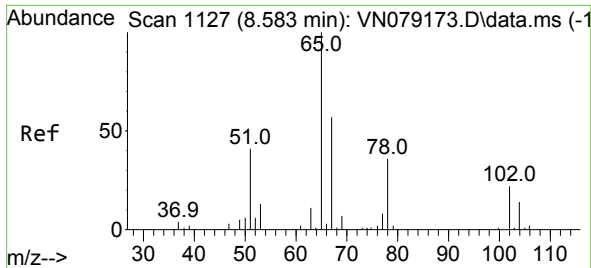


#23
tert-Butyl Alcohol
Concen: 0.403 ug/l
RT: 5.536 min Scan# 609
Delta R.T. 0.006 min
Lab File: VN079200.D
Acq: 08 Sep 2023 16:17

Tgt Ion: 59 Resp: 72

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

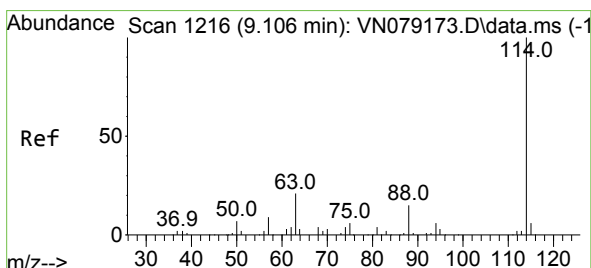
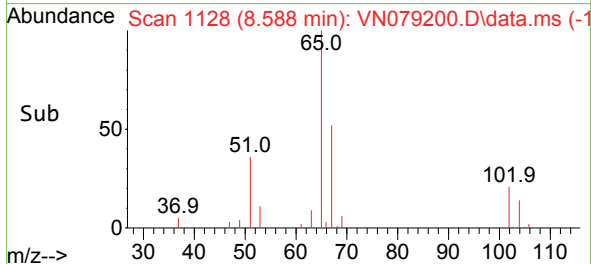
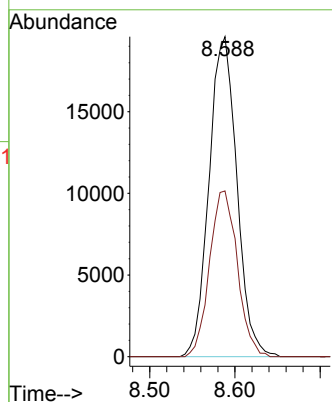
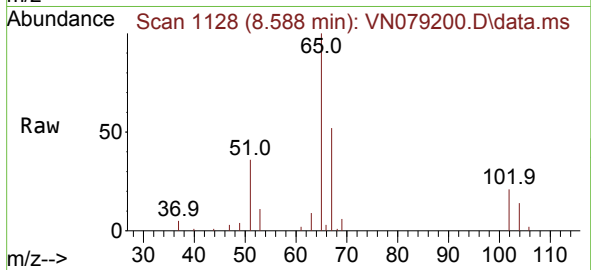




#27
1,2-Dichloroethane-d4
Concen: 30.595 ug/l
RT: 8.588 min Scan# 1127
Delta R.T. 0.005 min
Lab File: VN079200.D
Acq: 08 Sep 2023 16:17

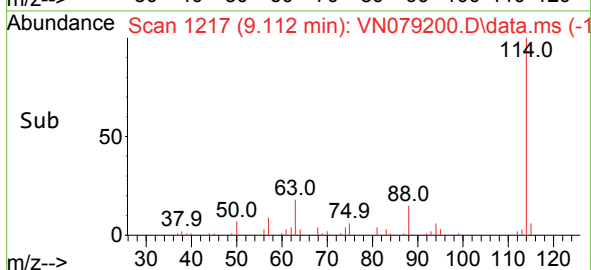
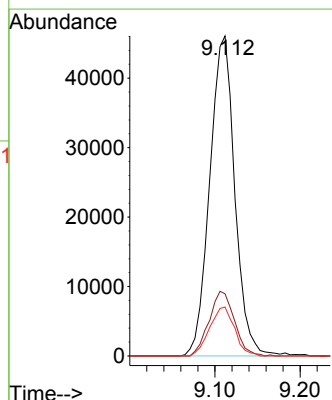
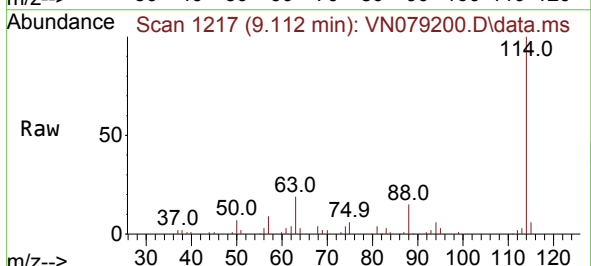
Instrument :
MSVOA_N
ClientSampleId :

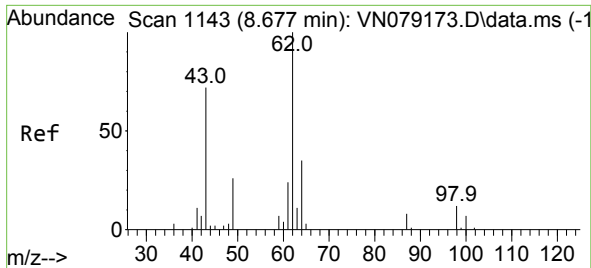
Tgt Ion: 65 Resp: 44421
Ion Ratio Lower Upper
65 100
67 51.7 44.4 66.6



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.112 min Scan# 1217
Delta R.T. 0.006 min
Lab File: VN079200.D
Acq: 08 Sep 2023 16:17

Tgt Ion: 114 Resp: 94066
Ion Ratio Lower Upper
114 100
63 20.4 17.0 25.4
88 15.2 12.8 19.2

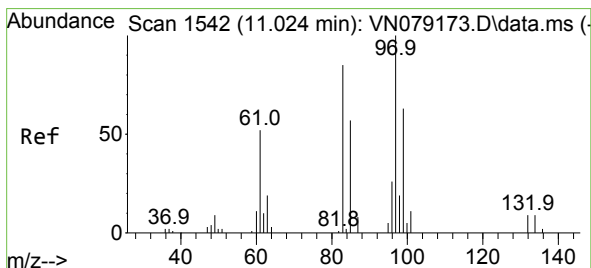
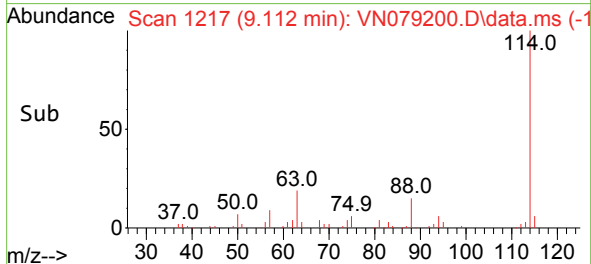
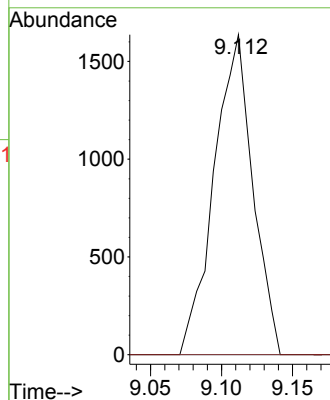
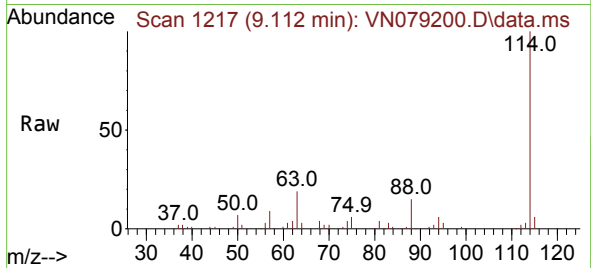




#36
1,2-Dichloroethane
Concen: 1.967 ug/l
RT: 9.112 min Scan# 1143
Delta R.T. 0.435 min
Lab File: VN079200.D
Acq: 08 Sep 2023 16:17

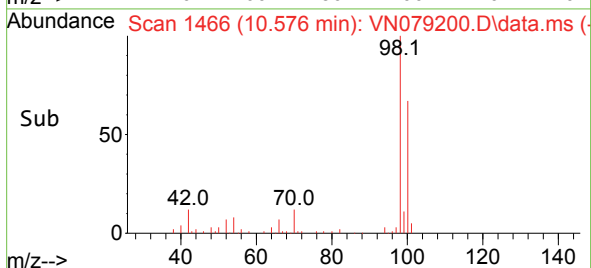
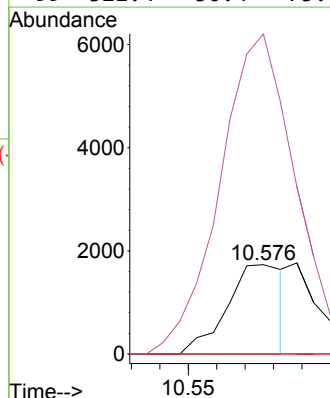
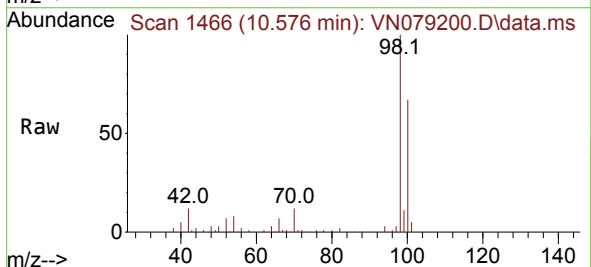
Instrument :
MSVOA_N
ClientSampleId :

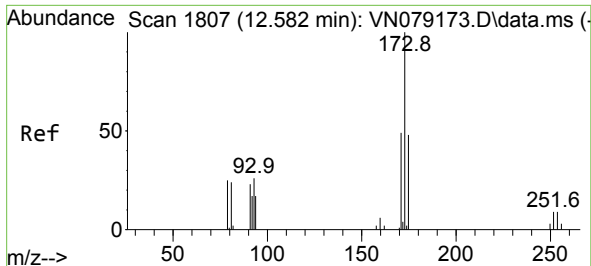
Tgt Ion: 62 Resp: 3108
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.2#



#50
1,1,2-Trichloroethane
Concen: 2.100 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. -0.448 min
Lab File: VN079200.D
Acq: 08 Sep 2023 16:17

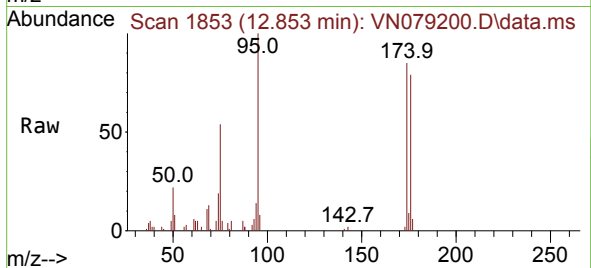
Tgt Ion: 97 Resp: 2401
Ion Ratio Lower Upper
97 100
83 0.0 68.9 103.3#
85 0.0 45.3 67.9#
99 321.4 50.4 75.6#



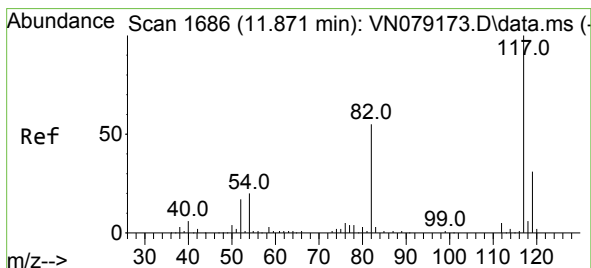
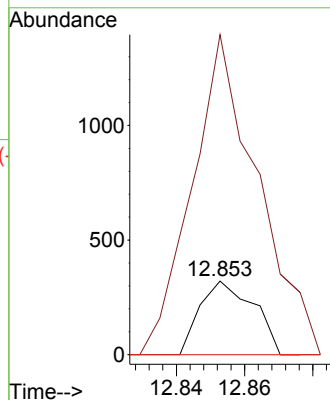
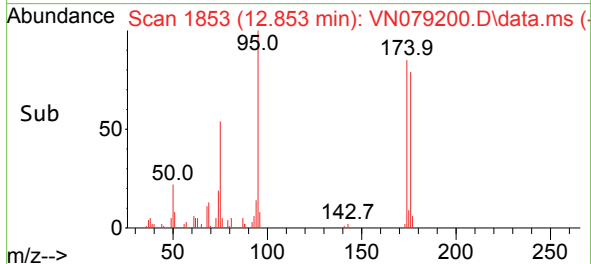


#56
Bromoform
Concen: 0.420 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079200.D
Acq: 08 Sep 2023 16:17

Instrument :
MSVOA_N
ClientSampleId :

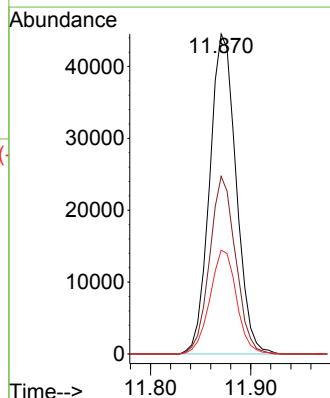
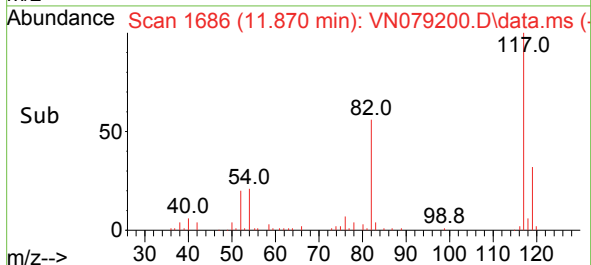
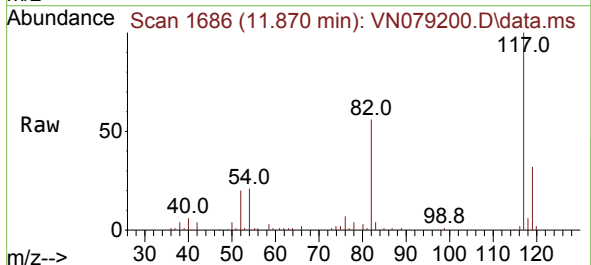


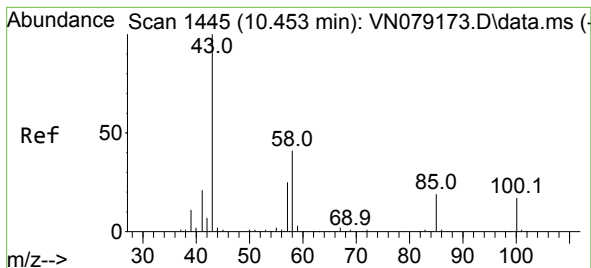
Tgt Ion:173 Resp: 351
Ion Ratio Lower Upper
173 100
175 531.9 37.6 56.4#
254 0.0 7.8 11.8#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.001 min
Lab File: VN079200.D
Acq: 08 Sep 2023 16:17

Tgt Ion:117 Resp: 81788
Ion Ratio Lower Upper
117 100
82 54.4 44.7 67.1
119 32.6 24.9 37.3

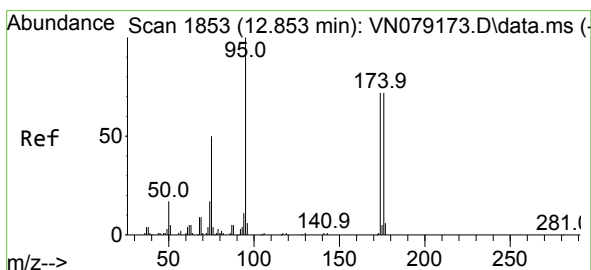
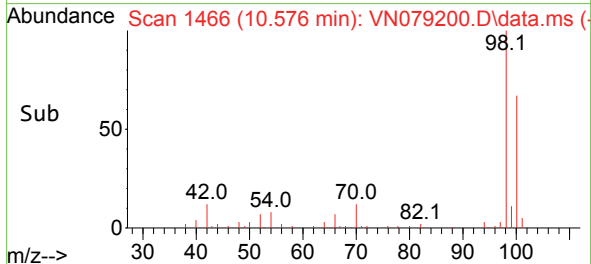
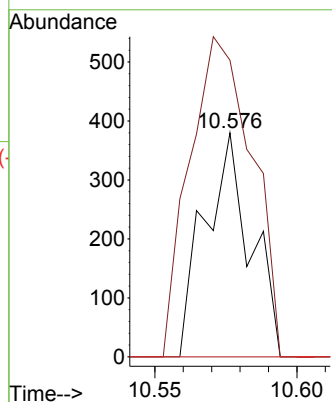
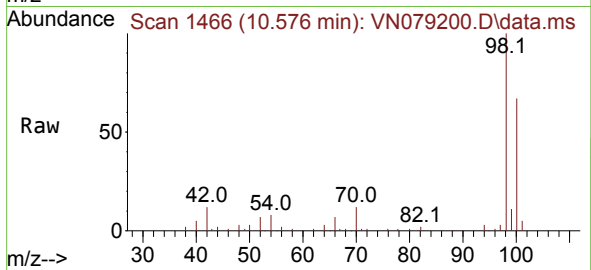




#58
 4-Methyl-2-Pentanone
 Concen: 0.284 ug/l
 RT: 10.576 min Scan# 1445
 Delta R.T. 0.123 min
 Lab File: VN079200.D
 Acq: 08 Sep 2023 16:17

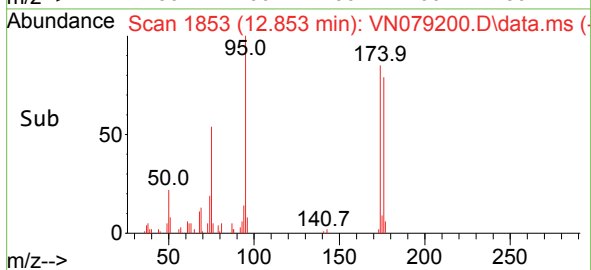
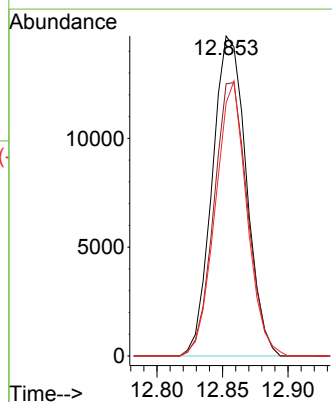
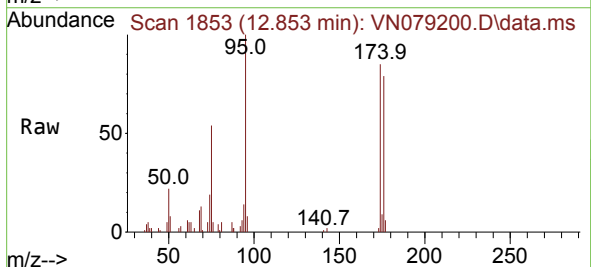
Instrument :
 MSVOA_N
 ClientSampleId :

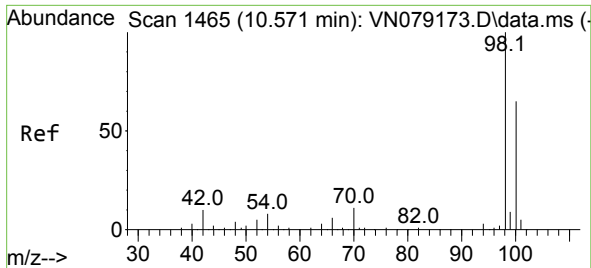
Tgt Ion: 43 Resp: 426
 Ion Ratio Lower Upper
 43 100
 58 195.1 33.6 50.4#
 85 0.0 15.0 22.4#



#60
 4-Bromofluorobenzene
 Concen: 22.044 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.000 min
 Lab File: VN079200.D
 Acq: 08 Sep 2023 16:17

Tgt Ion: 95 Resp: 26565
 Ion Ratio Lower Upper
 95 100
 174 84.0 59.5 89.3
 176 79.5 59.1 88.7

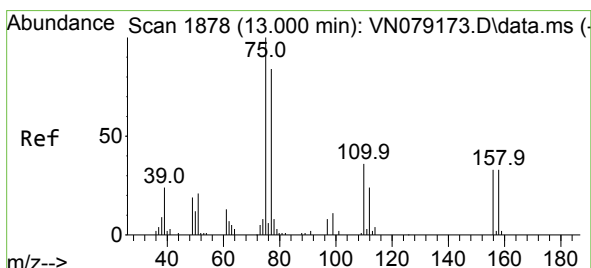
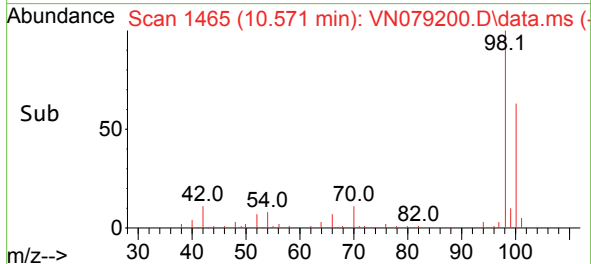
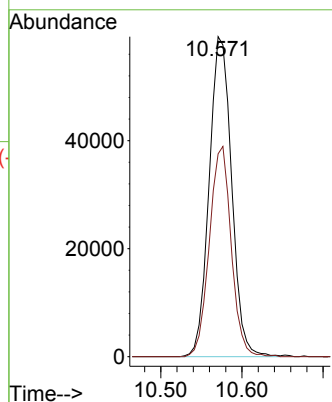
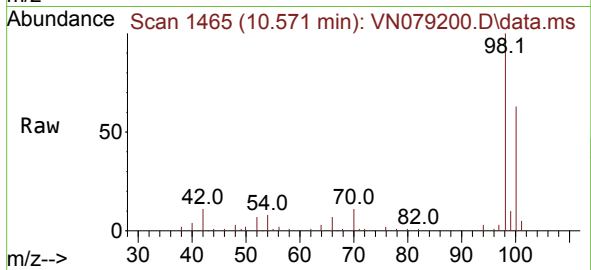




#63
Toluene-d8
Concen: 29.783 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079200.D
Acq: 08 Sep 2023 16:17

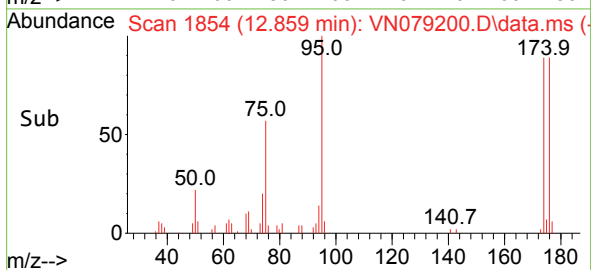
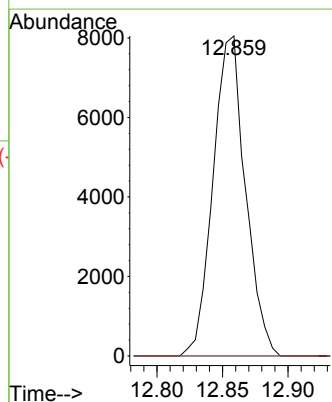
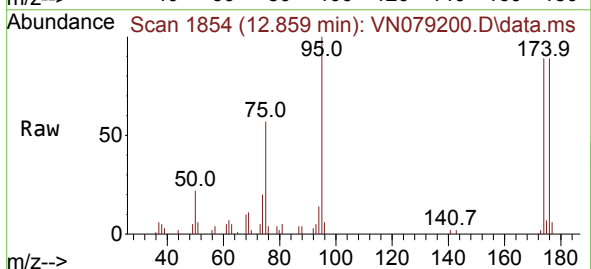
Instrument :
MSVOA_N
ClientSampleId :

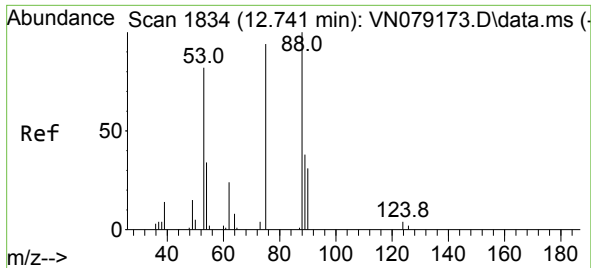
Tgt Ion: 98 Resp: 113837
Ion Ratio Lower Upper
98 100
100 63.8 52.5 78.7



#72
1,2,3-Trichloropropane
Concen: 9.931 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.141 min
Lab File: VN079200.D
Acq: 08 Sep 2023 16:17

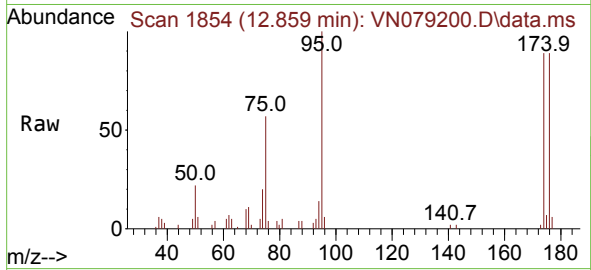
Tgt Ion: 75 Resp: 13825
Ion Ratio Lower Upper
75 100
77 0.0 0.0 252.2





#77
 t-1,4-Dichloro-2-butene
 Concen: 28.208 ug/l
 RT: 12.859 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN079200.D
 Acq: 08 Sep 2023 16:17

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	75	Resp:	13825
Ion	Ratio	Lower	Upper
75	100		
53	0.0	44.1	132.4#
89	0.0	22.4	67.3#

