

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112423\
 Data File : VN080261.D
 Acq On : 24 Nov 2023 14:19
 Operator : JC\MD
 Sample : 05525-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 27 04:07:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N110823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Nov 09 04:02:05 2023
 Response via : Initial Calibration

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

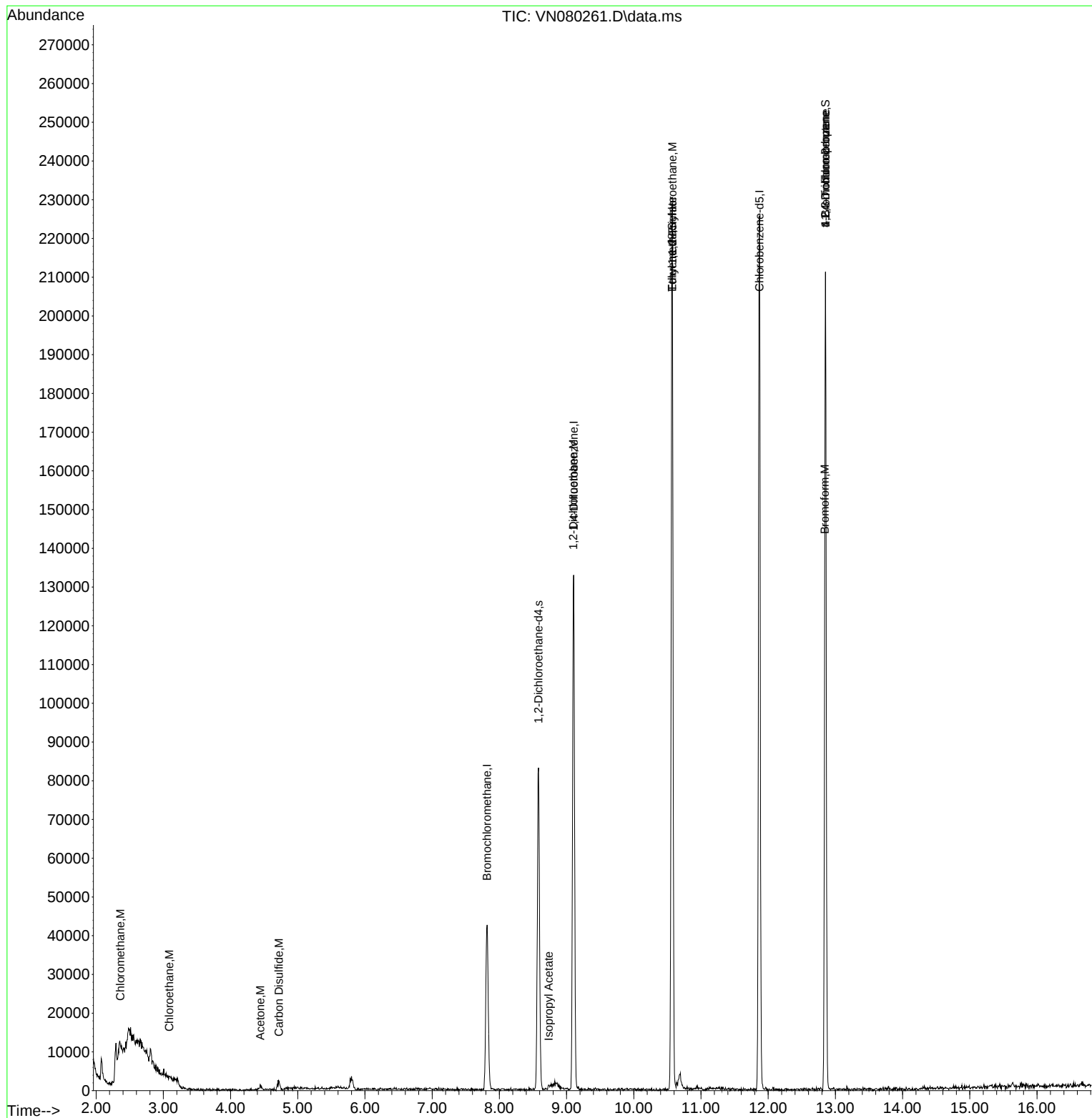
Internal Standards						
1) Bromochloromethane	7.818	128	16015	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	112147	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	135276	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	77357	57.543	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 191.800%#			
60) 4-Bromofluorobenzene	12.853	95	72003	33.284	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 110.933%			
63) Toluene-d8	10.571	98	161453	25.189	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 83.967%#			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	396	0.301	ug/l #	43
6) Chloroethane	3.089	64	551	0.863	ug/l	91
15) Acetone	4.441	58	149	0.869	ug/l #	1
16) Carbon Disulfide	4.718	76	3767	1.338	ug/l #	92
36) 1,2-Dichloroethane	9.100	62	4359	2.107	ug/l #	75
44) Isopropyl Acetate	8.735	43	679	0.241	ug/l #	1
50) 1,1,2-Trichloroethane	10.576	97	5168	3.873	ug/l #	1
51) Ethyl methacrylate	10.571	69	664	0.346	ug/l #	71
56) Bromoform	12.841	173	244	0.261	ug/l #	1
72) 1,2,3-Trichloropropane	12.853	75	40408	17.447	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	40408	53.284	ug/l #	7

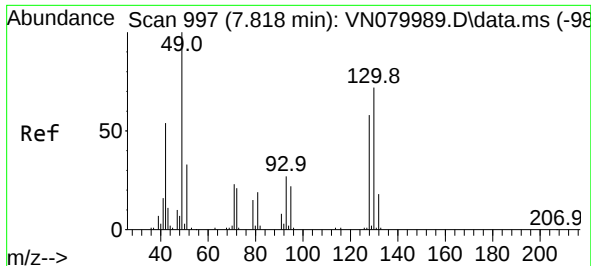
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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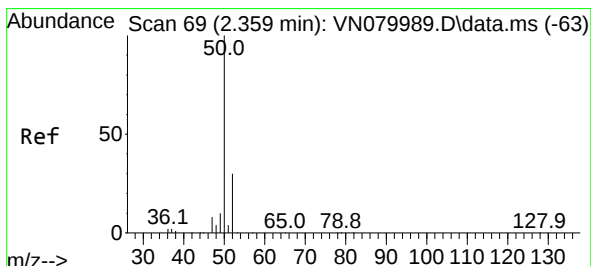
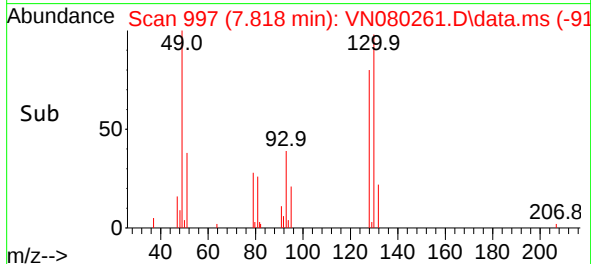
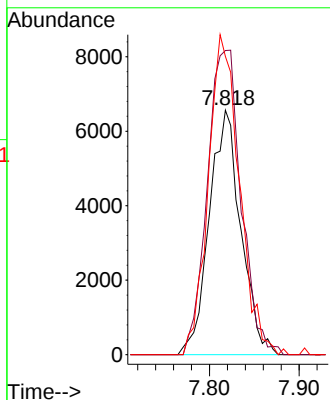
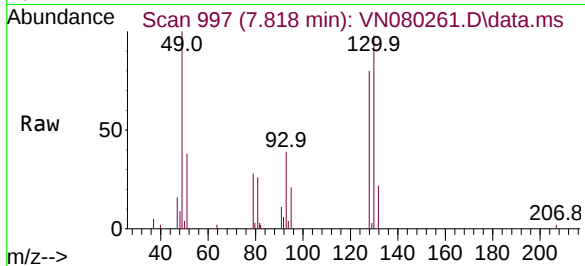




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN080261.D
Acq: 24 Nov 2023 14:19

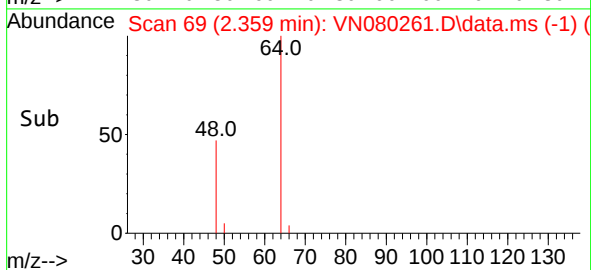
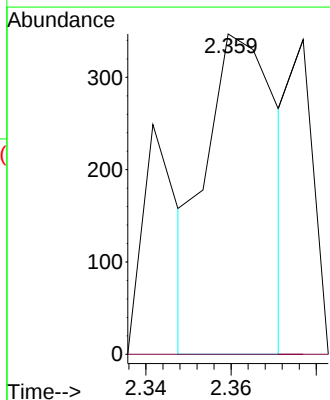
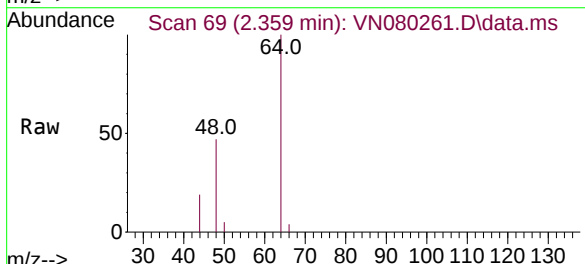
Instrument :
MSVOA_N
ClientSampleId :

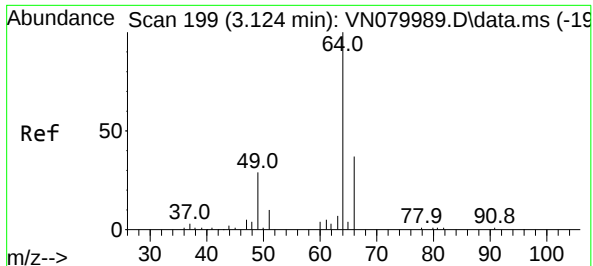
Tgt Ion:128 Resp: 16015
Ion Ratio Lower Upper
128 100
49 133.3 0.0 468.5
130 129.2 0.0 320.7



#3
Chloromethane
Concen: 0.301 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.006 min
Lab File: VN080261.D
Acq: 24 Nov 2023 14:19

Tgt Ion: 50 Resp: 396
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#

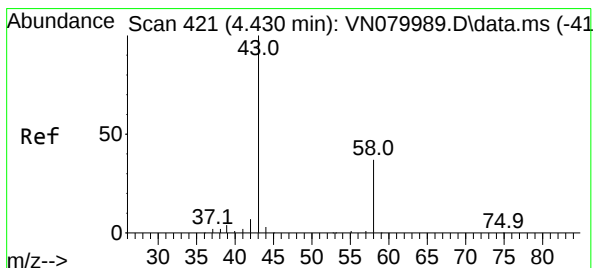
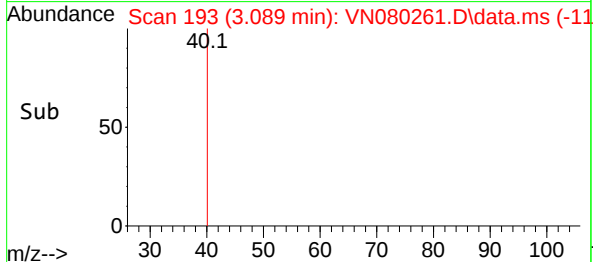
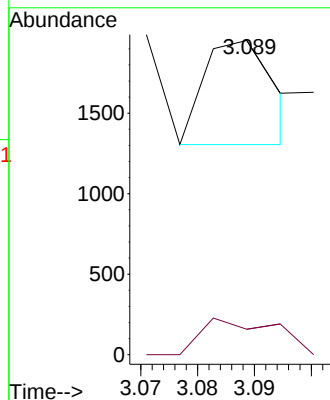
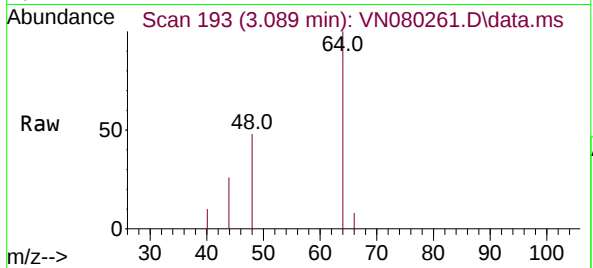




#6
Chloroethane
Concen: 0.863 ug/l
RT: 3.089 min Scan# 199
Delta R.T. -0.035 min
Lab File: VN080261.D
Acq: 24 Nov 2023 14:19

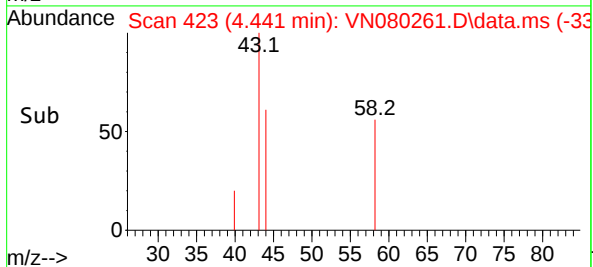
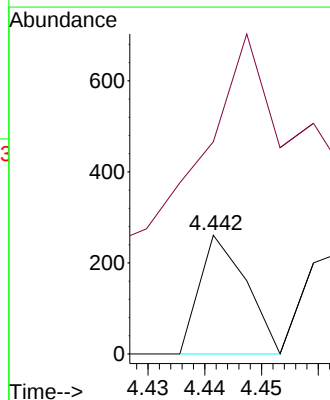
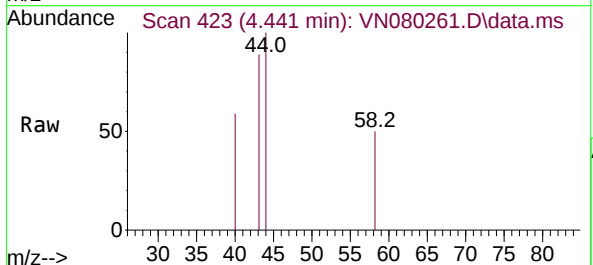
Instrument :
MSVOA_N
ClientSampleId :

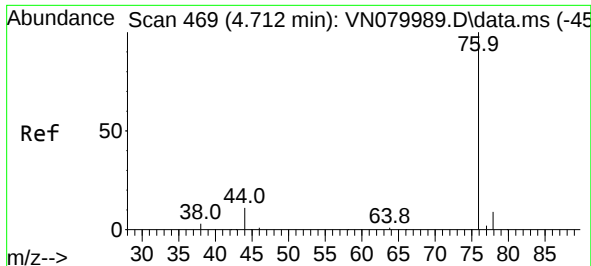
Tgt Ion: 64 Resp: 551
Ion Ratio Lower Upper
64 100
66 24.4 23.3 34.9



#15
Acetone
Concen: 0.869 ug/l
RT: 4.441 min Scan# 423
Delta R.T. 0.005 min
Lab File: VN080261.D
Acq: 24 Nov 2023 14:19

Tgt Ion: 58 Resp: 149
Ion Ratio Lower Upper
58 100
43 34.5 225.2 337.8#

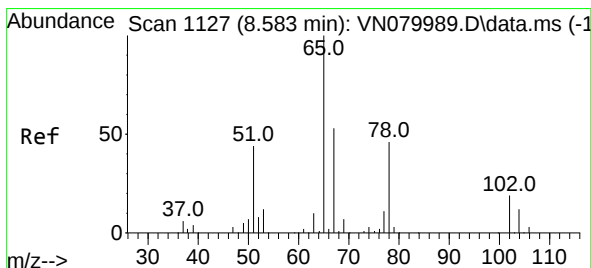
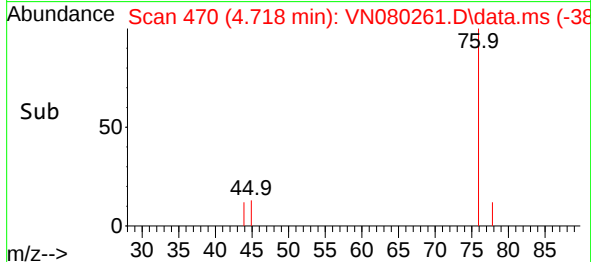
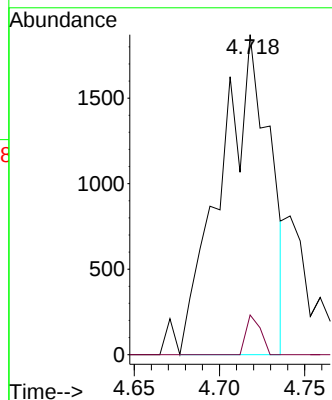
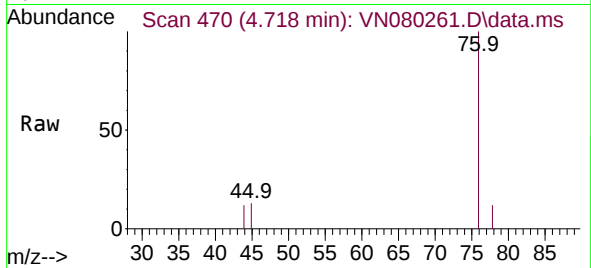




#16
Carbon Disulfide
Concen: 1.338 ug/l
RT: 4.718 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN080261.D
Acq: 24 Nov 2023 14:19

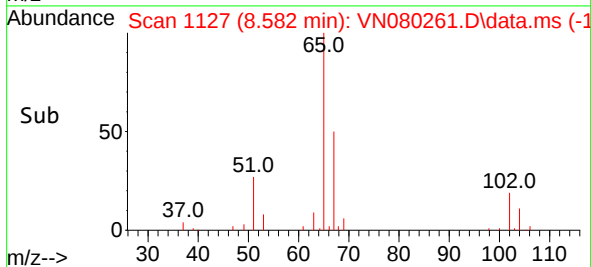
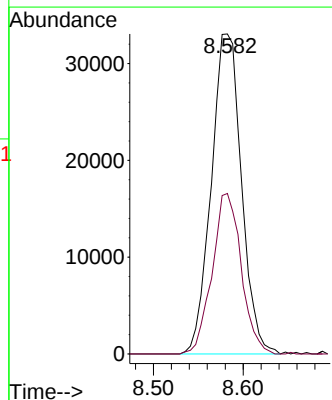
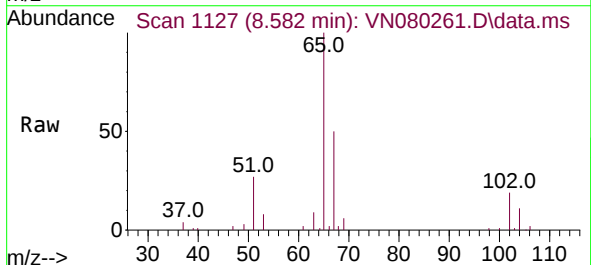
Instrument :
MSVOA_N
ClientSampleId :

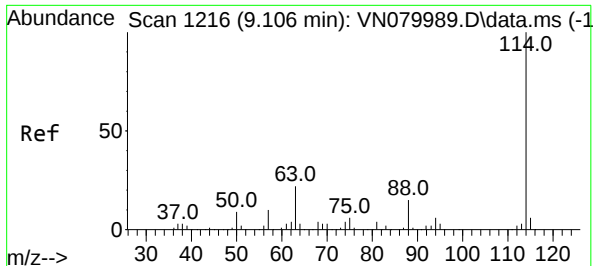
Tgt Ion: 76 Resp: 3767
Ion Ratio Lower Upper
76 100
78 12.4 7.5 11.3#



#27
1,2-Dichloroethane-d4
Concen: 57.543 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN080261.D
Acq: 24 Nov 2023 14:19

Tgt Ion: 65 Resp: 77357
Ion Ratio Lower Upper
65 100
67 48.2 42.1 63.1





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 112147

Delta R.T. -0.000 min

Lab File: VN080261.D

Acq: 24 Nov 2023 14:19

Instrument :

MSVOA_N

ClientSampleId :

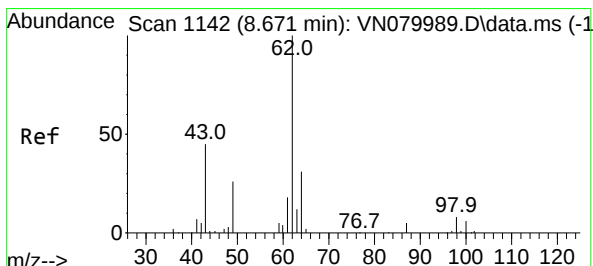
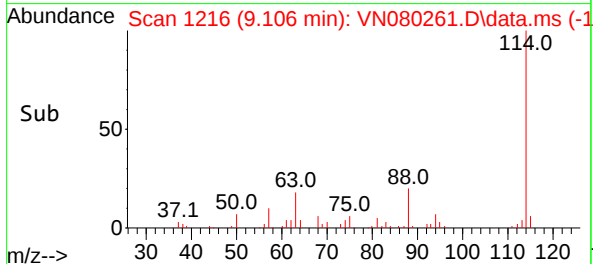
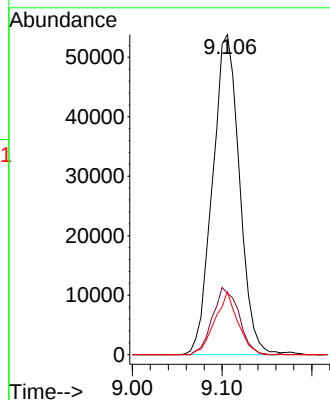
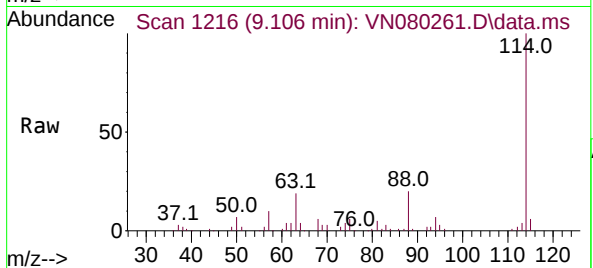
Tgt Ion:114 Resp: 112147

Ion Ratio Lower Upper

114 100

63 20.5 18.1 27.1

88 16.8 12.2 18.2



#36

1,2-Dichloroethane

Concen: 2.107 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.429 min

Lab File: VN080261.D

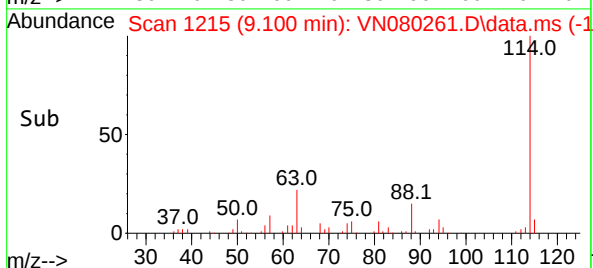
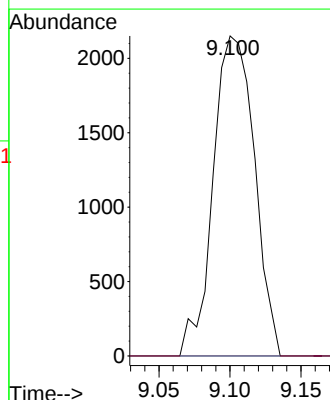
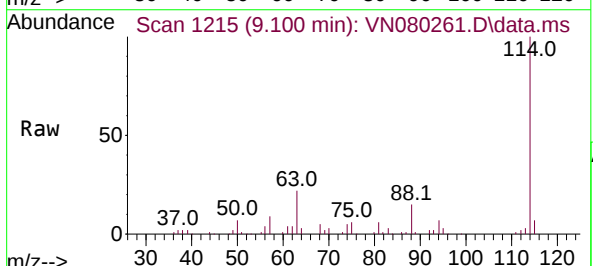
Acq: 24 Nov 2023 14:19

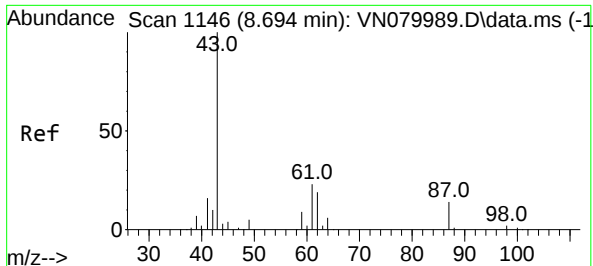
Tgt Ion: 62 Resp: 4359

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#

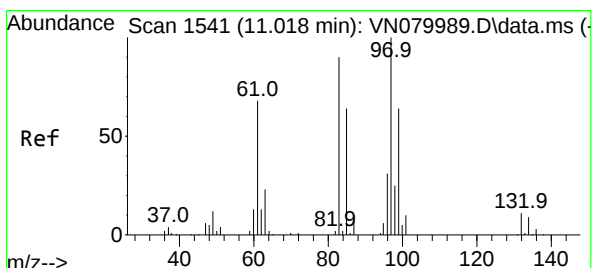
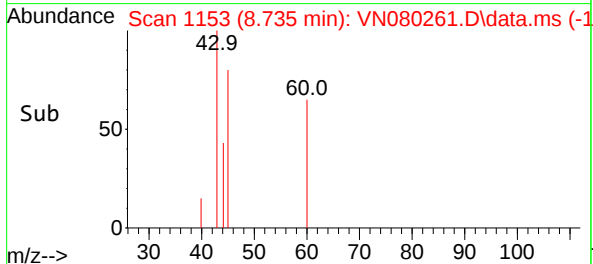
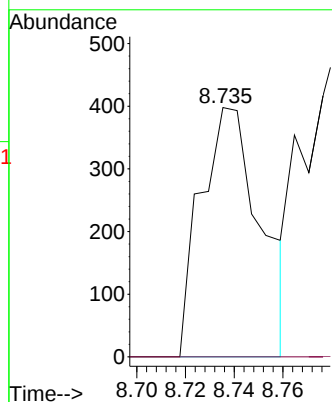
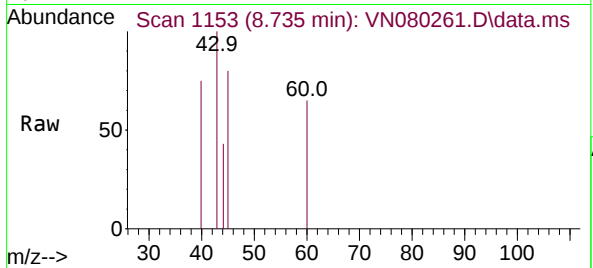




#44
Isopropyl Acetate
Concen: 0.241 ug/l
RT: 8.735 min Scan# 1146
Delta R.T. 0.041 min
Lab File: VN080261.D
Acq: 24 Nov 2023 14:19

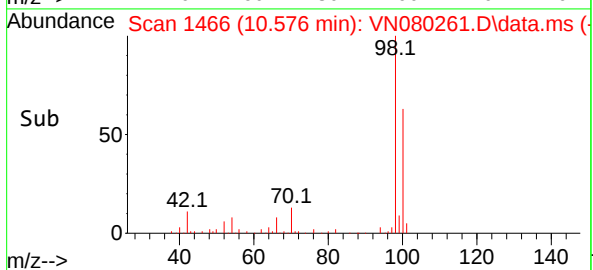
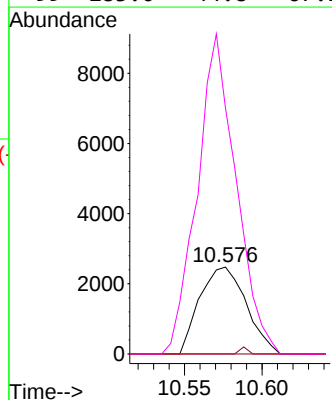
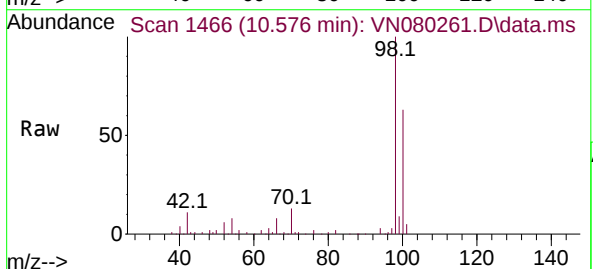
Instrument :
MSVOA_N
ClientSampleId :

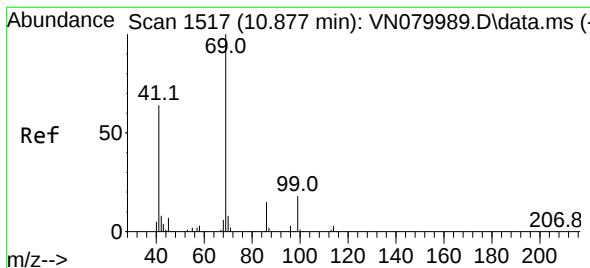
Tgt Ion: 43 Resp: 679
Ion Ratio Lower Upper
43 100
61 178.9 20.3 30.5#



#50
1,1,2-Trichloroethane
Concen: 3.873 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. -0.442 min
Lab File: VN080261.D
Acq: 24 Nov 2023 14:19

Tgt Ion: 97 Resp: 5168
Ion Ratio Lower Upper
97 100
83 0.0 68.2 102.4#
85 0.0 42.9 64.3#
99 283.0 44.8 67.2#

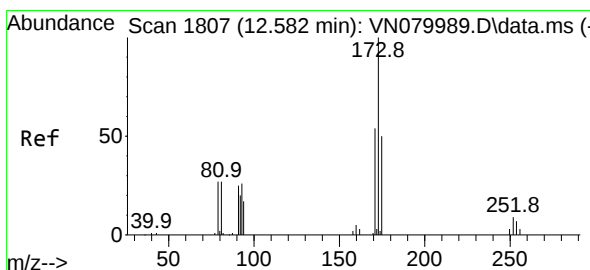
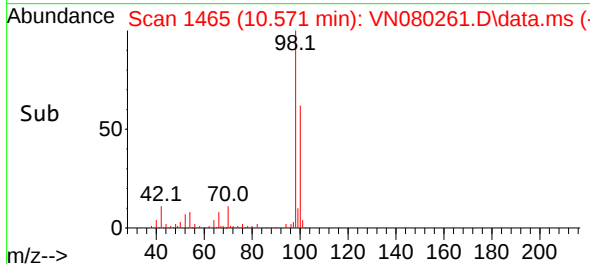
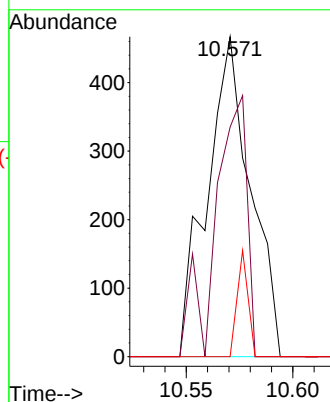
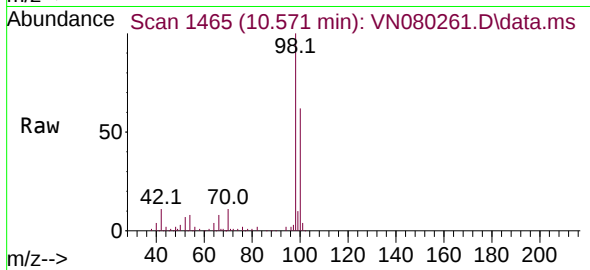




#51
Ethyl methacrylate
Concen: 0.346 ug/l
RT: 10.571 min Scan# 14
Delta R.T. -0.305 min
Lab File: VN080261.D
Acq: 24 Nov 2023 14:19

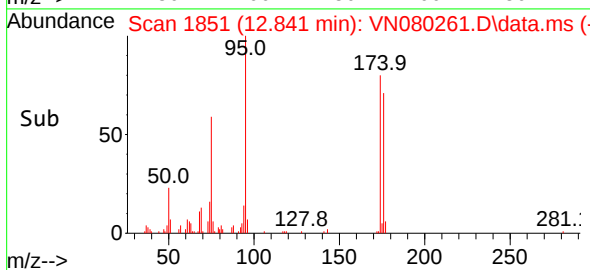
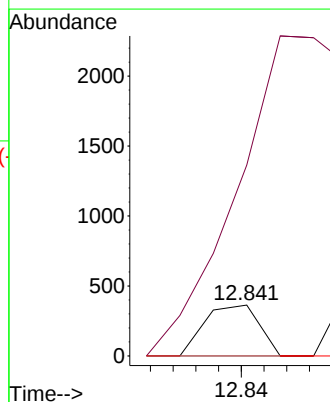
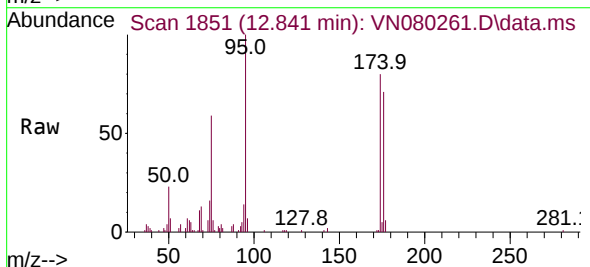
Instrument :
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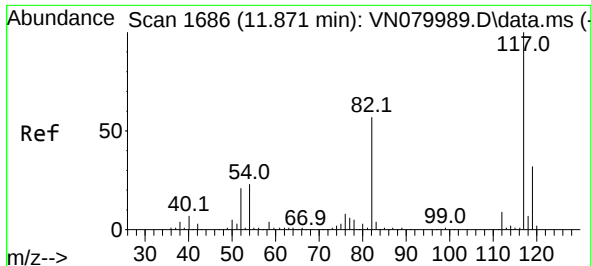
Tgt Ion: 69 Resp: 664
Ion Ratio Lower Upper
69 100
41 71.7 33.8 101.3
39 0.0 21.3 63.9#



#56
Bromoform
Concen: 0.261 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.259 min
Lab File: VN080261.D
Acq: 24 Nov 2023 14:19

Tgt Ion:173 Resp: 244
Ion Ratio Lower Upper
173 100
175 1441.0 37.9 56.9#
254 0.0 7.3 10.9#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN080261.D

Acq: 24 Nov 2023 14:19

Instrument :

MSVOA_N

ClientSampleId :

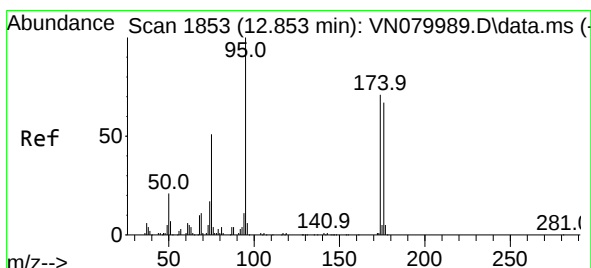
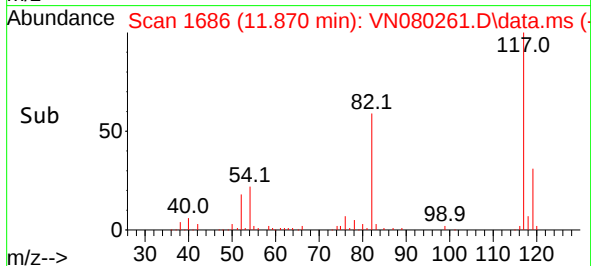
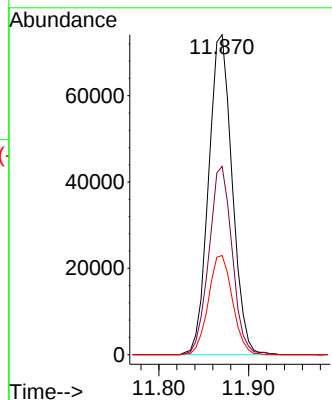
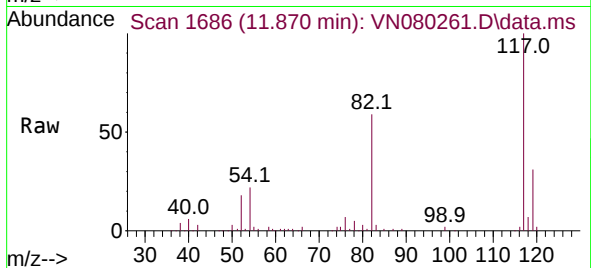
Tgt Ion:117 Resp: 135276

Ion Ratio Lower Upper

117 100

82 57.9 46.2 69.2

119 31.7 25.2 37.8



#60

4-Bromofluorobenzene

Concen: 33.284 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VN080261.D

Acq: 24 Nov 2023 14:19

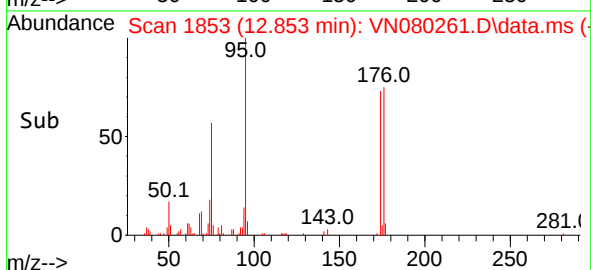
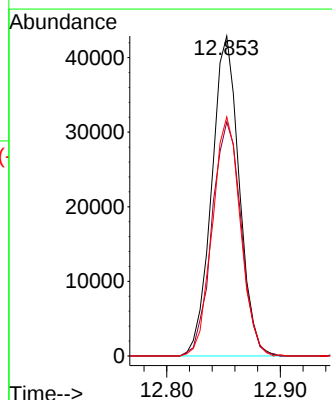
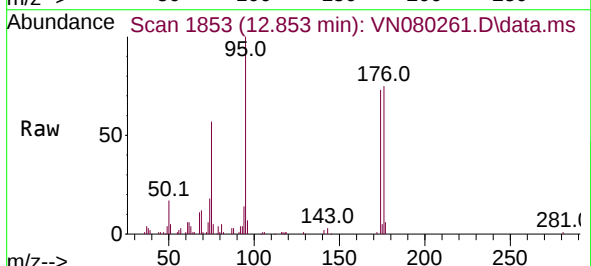
Tgt Ion: 95 Resp: 72003

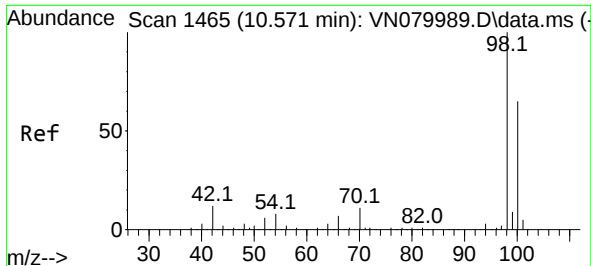
Ion Ratio Lower Upper

95 100

174 77.6 60.5 90.7

176 76.3 57.2 85.8

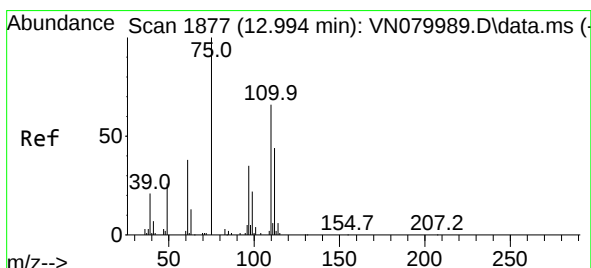
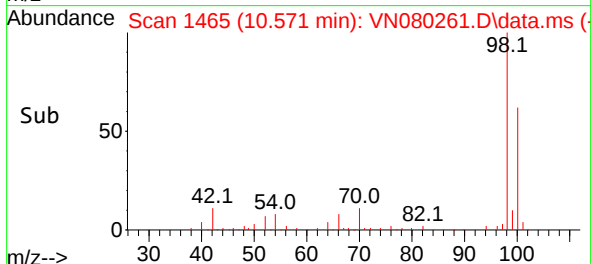
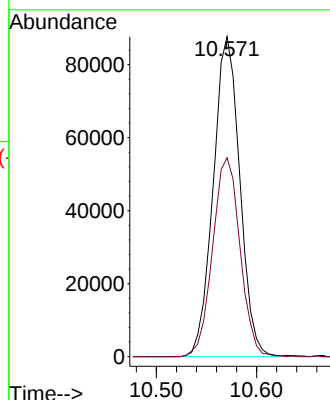
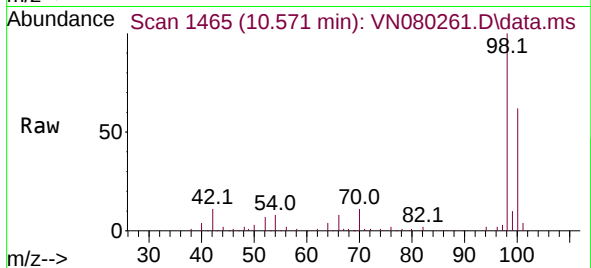




#63
Toluene-d8
Concen: 25.189 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN080261.D
Acq: 24 Nov 2023 14:19

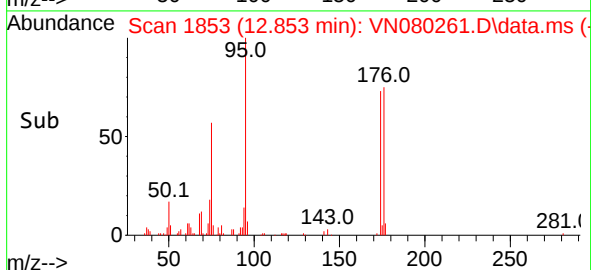
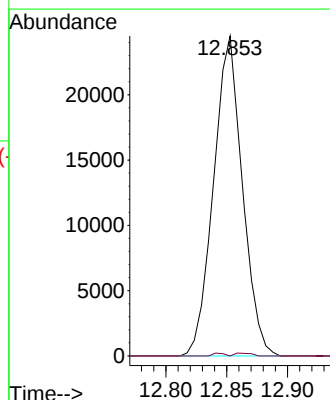
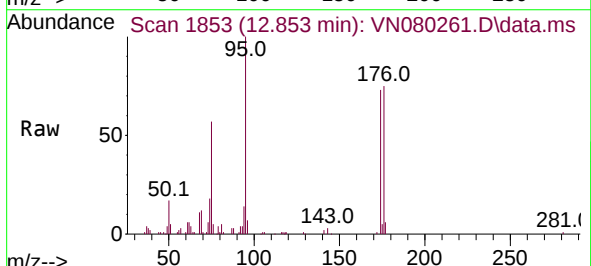
Instrument :
MSVOA_N
ClientSampleId :

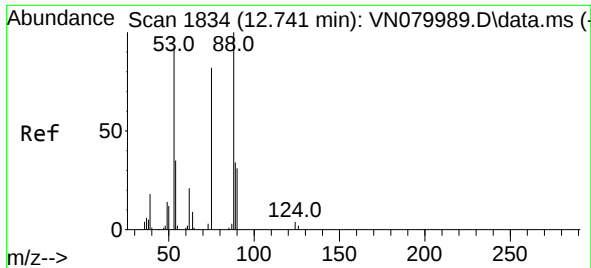
Tgt Ion: 98 Resp: 161453
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4



#72
1,2,3-Trichloropropane
Concen: 17.447 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080261.D
Acq: 24 Nov 2023 14:19

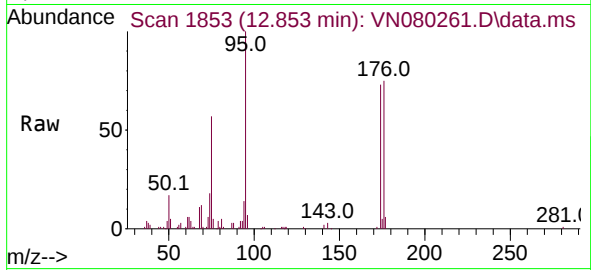
Tgt Ion: 75 Resp: 40408
Ion Ratio Lower Upper
75 100
77 0.5 0.0 338.2





#77
 t-1,4-Dichloro-2-butene
 Concen: 53.284 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN080261.D
 Acq: 24 Nov 2023 14:19

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	75	Resp:	40408
Ion	Ratio	Lower	Upper
75	100		
53	0.0	53.0	159.1#
89	0.0	22.6	67.7#

