

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
 Data File : VN084067.D
 Acq On : 20 Sep 2024 13:56
 Operator : JC\MD
 Sample : P4093-02 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 20 23:26:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 06 23:42:47 2024
 Response via : Initial Calibration

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

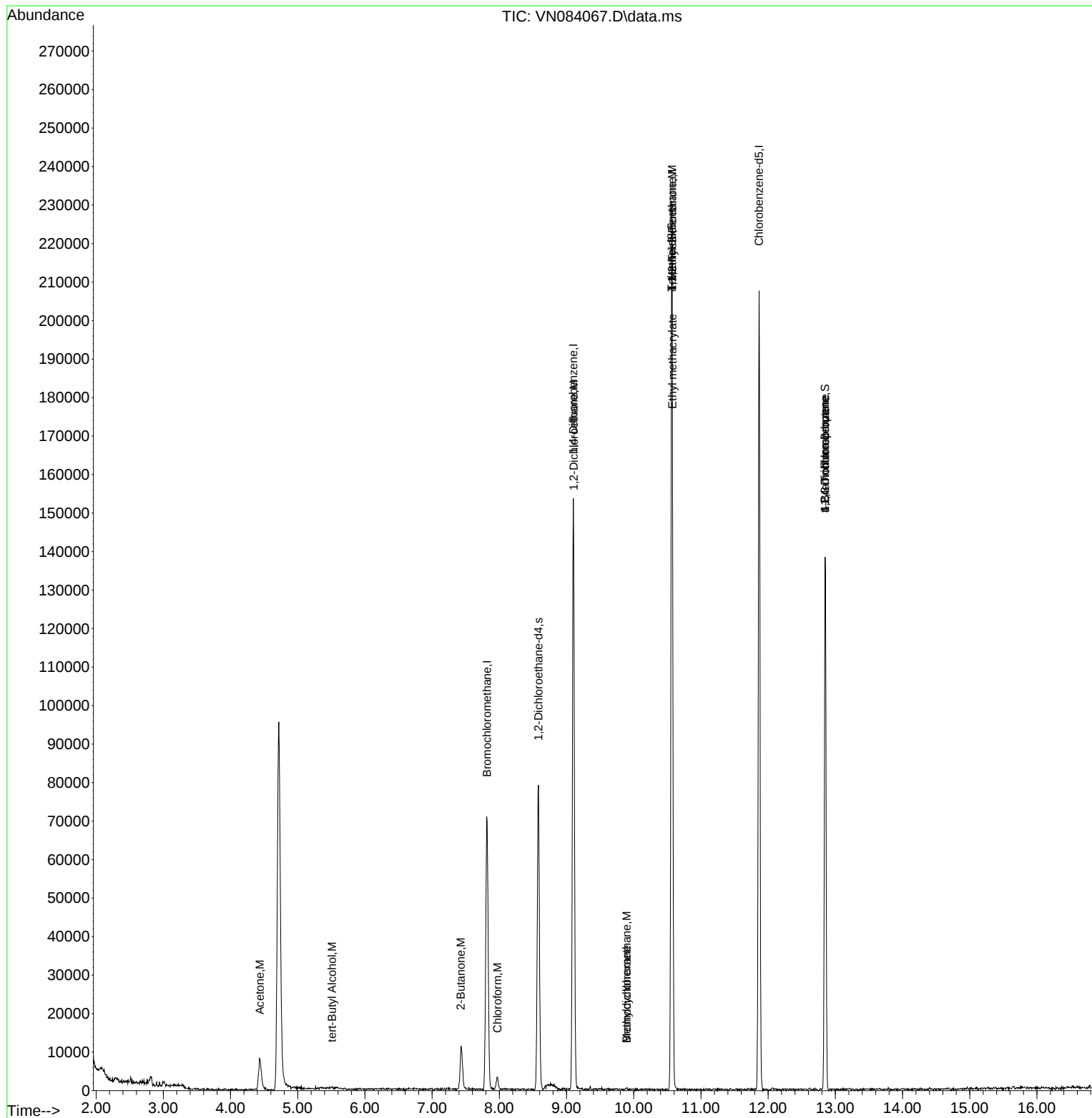
Internal Standards						
1) Bromochloromethane	7.818	128	24206	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	123476	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	110994	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	66364	29.994	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.967%
60) 4-Bromofluorobenzene	12.847	95	47799	24.987	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	83.300%
63) Toluene-d8	10.565	98	155881	30.330	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.100%
Target Compounds						
					Qvalue	
15) Acetone	4.436	58	4521	18.562	ug/l	99
23) tert-Butyl Alcohol	5.512	59	209	0.776	ug/l #	100
25) Chloroform	7.971	83	3155	0.979	ug/l #	78
30) 2-Butanone	7.424	43	265	0.287	ug/l #	52
36) 1,2-Dichloroethane	9.106	62	5265	2.383	ug/l #	72
38) Methylcyclohexane	9.894	83	472	0.201	ug/l #	19
41) Bromodichloromethane	9.894	83	472	0.215	ug/l #	87
50) 1,1,2-Trichloroethane	10.571	97	5225	3.971	ug/l #	1
51) Ethyl methacrylate	10.577	69	646	0.287	ug/l #	70
58) 4-Methyl-2-Pentanone	10.571	43	680	0.386	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	27712	16.975	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	27712	40.160	ug/l #	12

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
Data File : VN084067.D
Acq On : 20 Sep 2024 13:56
Operator : JC\MD
Sample : P4093-02 20X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

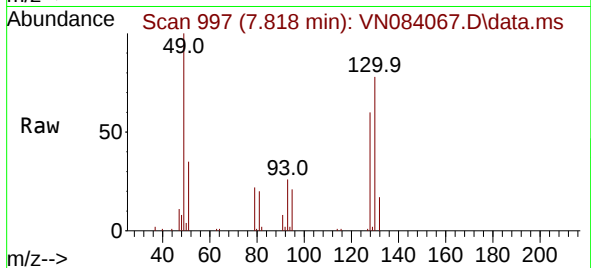
Quant Time: Sep 20 23:26:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 06 23:42:47 2024
Response via : Initial Calibration



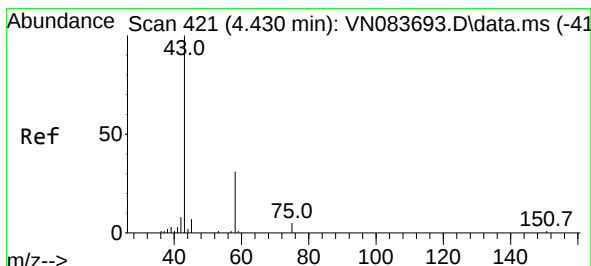
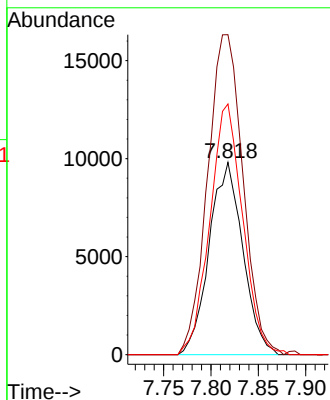
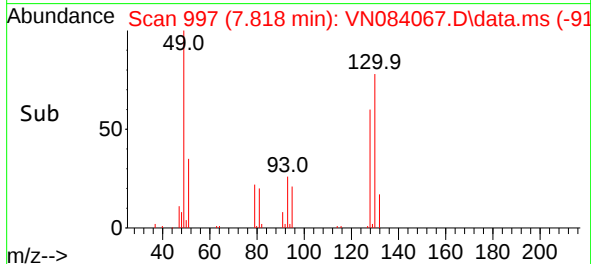


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 997
Delta R.T. 0.006 min
Lab File: VN084067.D
Acq: 20 Sep 2024 13:56

Instrument :
MSVOA_N
ClientSampleId :

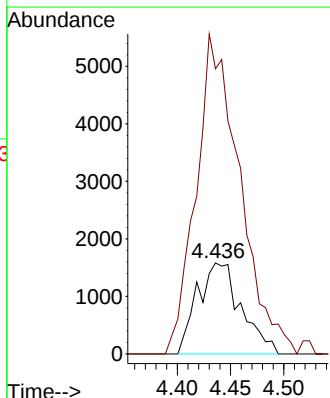
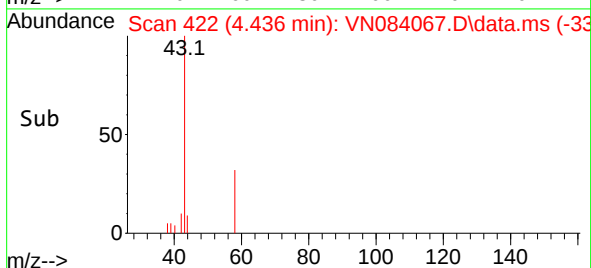
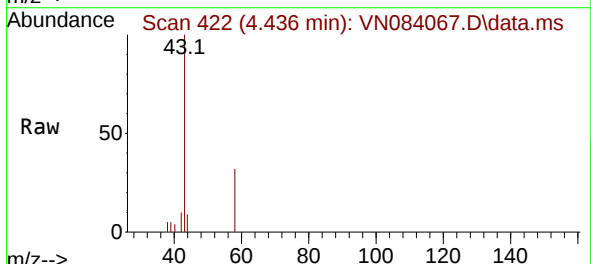


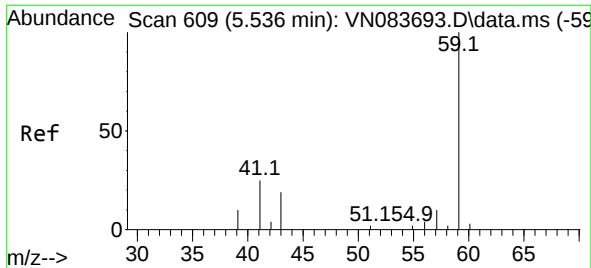
Tgt Ion:128 Resp: 24206
Ion Ratio Lower Upper
128 100
49 175.4 0.0 403.7
130 127.6 0.0 323.3



#15
Acetone
Concen: 18.562 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN084067.D
Acq: 20 Sep 2024 13:56

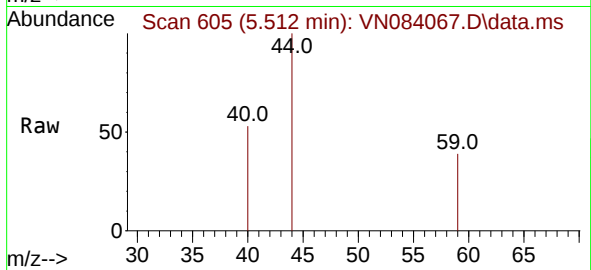
Tgt Ion: 58 Resp: 4521
Ion Ratio Lower Upper
58 100
43 280.3 223.1 334.7



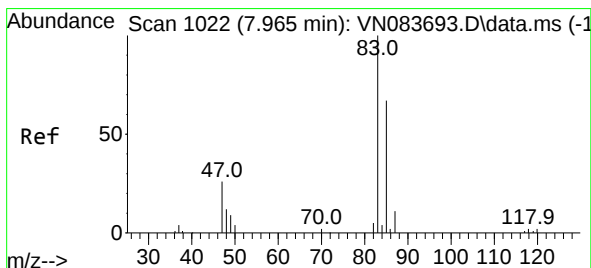
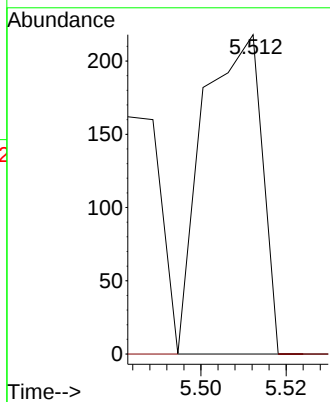
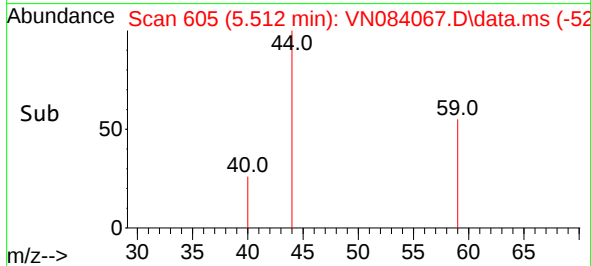


#23
tert-Butyl Alcohol
Concen: 0.776 ug/l
RT: 5.512 min Scan# 609
Delta R.T. -0.023 min
Lab File: VN084067.D
Acq: 20 Sep 2024 13:56

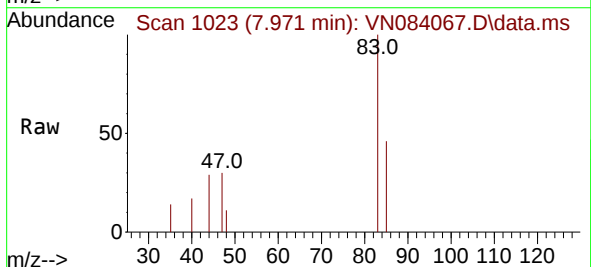
Instrument :
MSVOA_N
ClientSampleId :



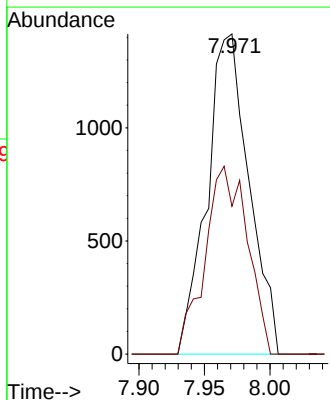
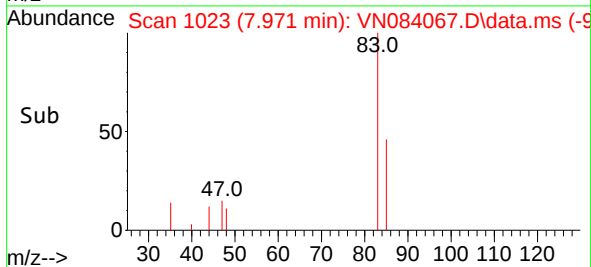
Tgt Ion: 59 Resp: 209
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

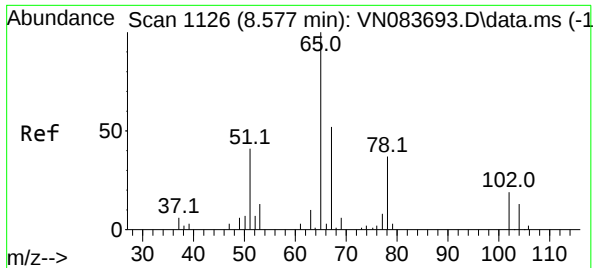


#25
Chloroform
Concen: 0.979 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VN084067.D
Acq: 20 Sep 2024 13:56



Tgt Ion: 83 Resp: 3155
Ion Ratio Lower Upper
83 100
85 46.1 50.9 76.3#





#27

1,2-Dichloroethane-d4

Concen: 29.994 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN084067.D

Acq: 20 Sep 2024 13:56

Instrument :

MSVOA_N

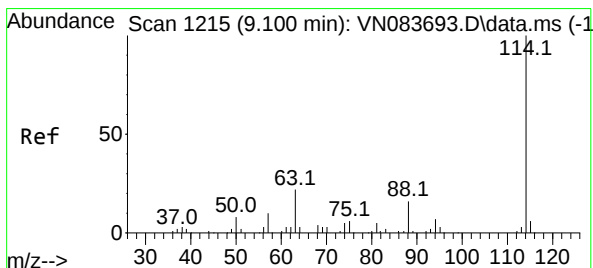
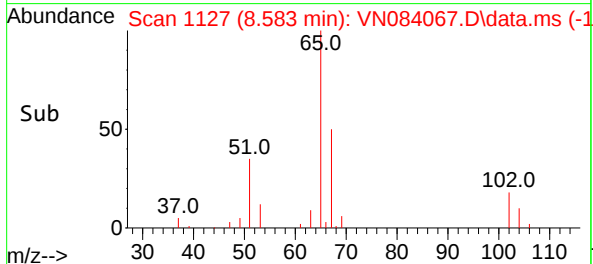
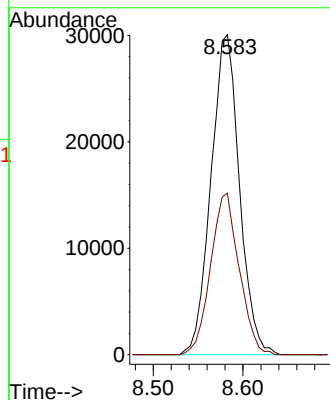
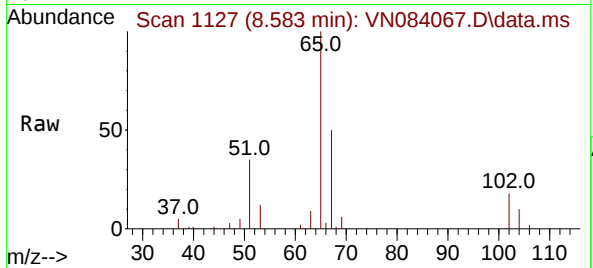
ClientSampleId :

Tgt Ion: 65 Resp: 66364

Ion Ratio Lower Upper

65 100

67 50.6 43.2 64.8



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN084067.D

Acq: 20 Sep 2024 13:56

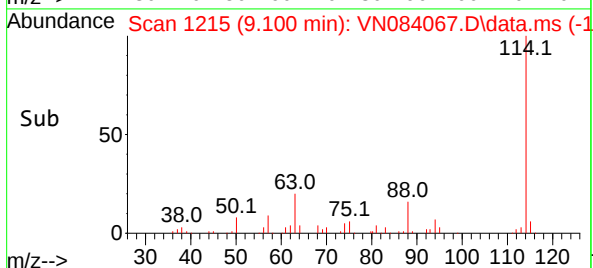
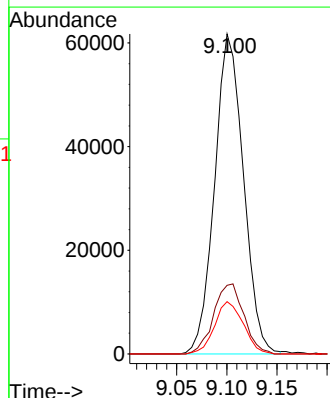
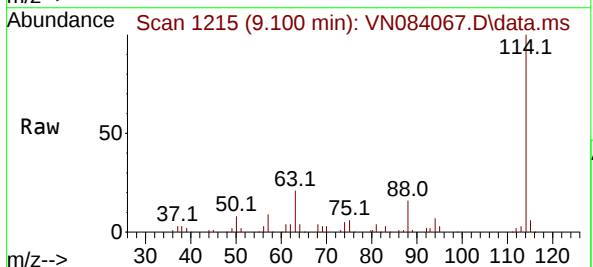
Tgt Ion: 114 Resp: 123476

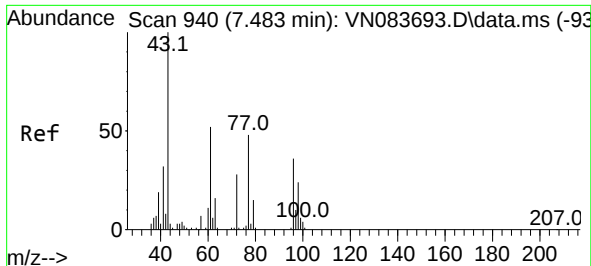
Ion Ratio Lower Upper

114 100

63 22.9 15.9 23.9

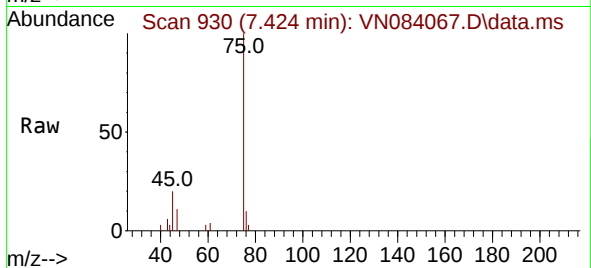
88 16.3 12.7 19.1



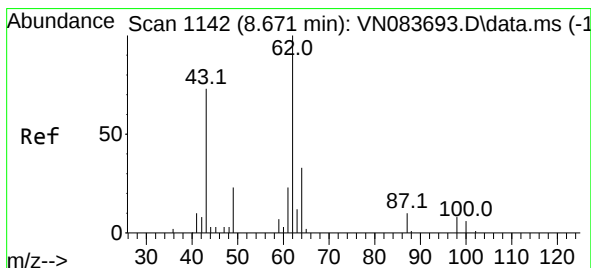
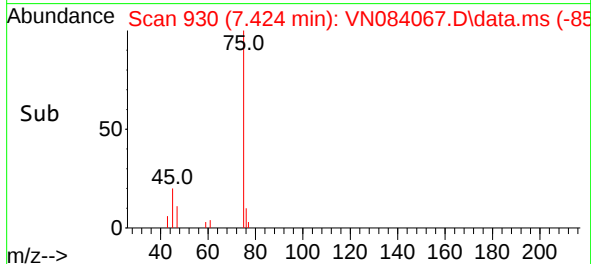
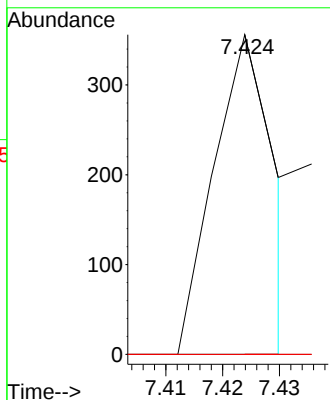


#30
2-Butanone
Concen: 0.287 ug/l
RT: 7.424 min Scan# 91
Delta R.T. -0.059 min
Lab File: VN084067.D
Acq: 20 Sep 2024 13:56

Instrument :
MSVOA_N
ClientSampleId :

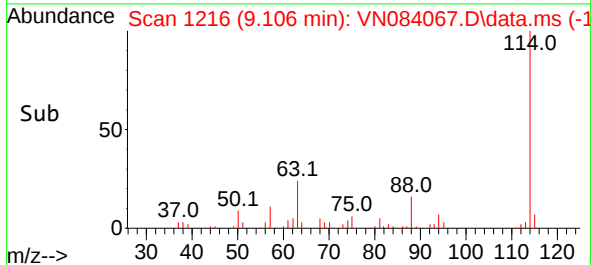
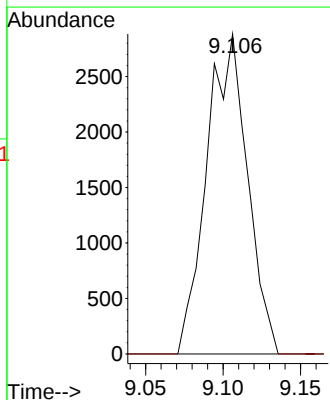
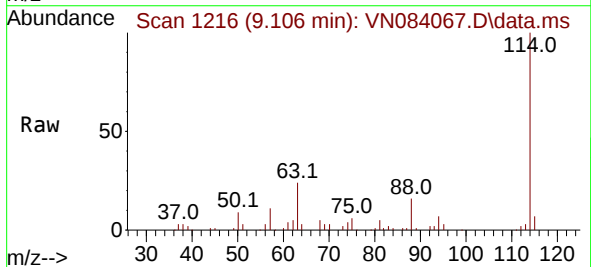


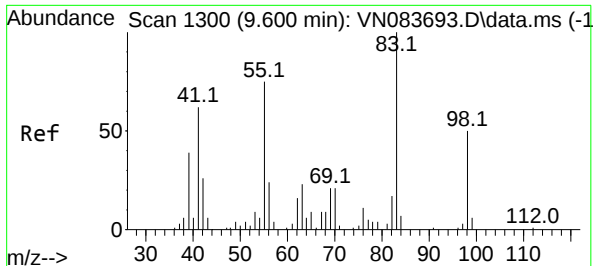
Tgt Ion: 43 Resp: 265
Ion Ratio Lower Upper
43 100
57 0.0 6.7 10.1#
72 0.0 24.0 36.0#



#36
1,2-Dichloroethane
Concen: 2.383 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.435 min
Lab File: VN084067.D
Acq: 20 Sep 2024 13:56

Tgt Ion: 62 Resp: 5265
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.4#





#38

Methylcyclohexane

Concen: 0.201 ug/l

RT: 9.894 min Scan# 1350

Delta R.T. 0.294 min

Lab File: VN084067.D

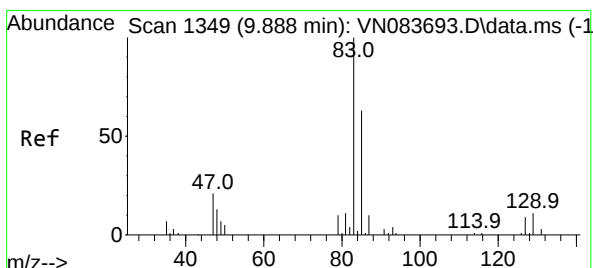
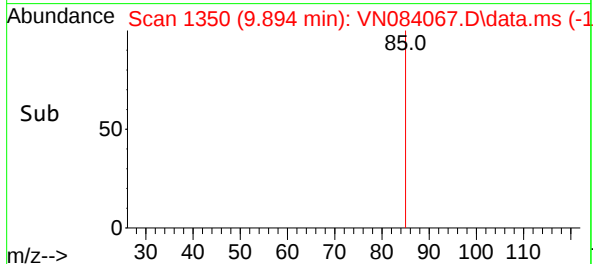
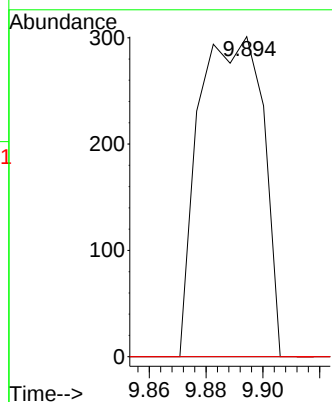
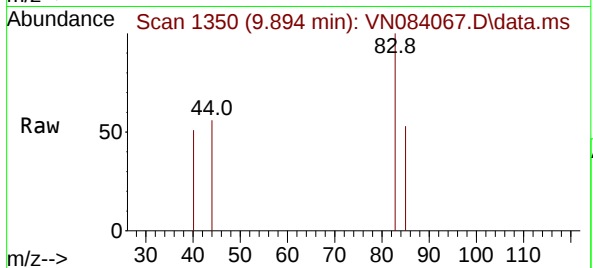
Acq: 20 Sep 2024 13:56

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 83	Resp:	472
Ion	Ratio	Lower Upper
83	100	
55	0.0	36.6 109.9#
98	0.0	23.8 71.5#



#41

Bromodichloromethane

Concen: 0.215 ug/l

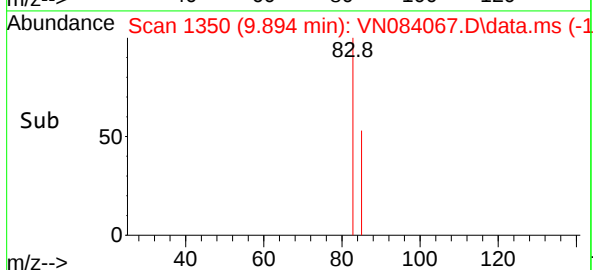
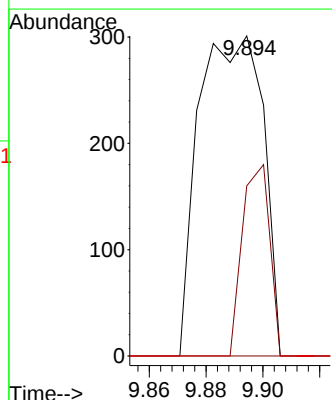
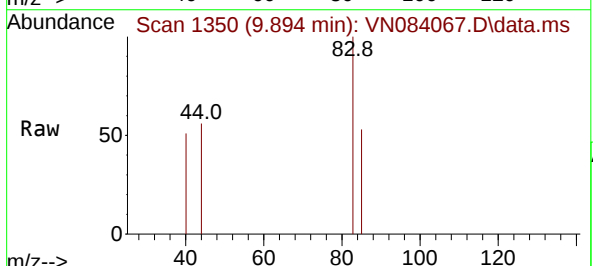
RT: 9.894 min Scan# 1350

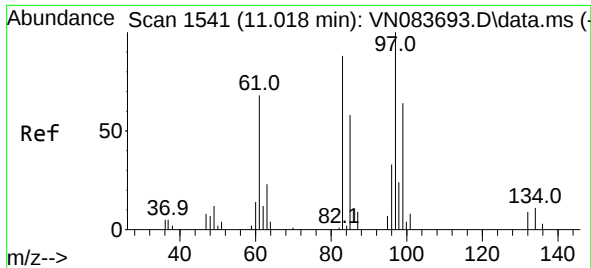
Delta R.T. 0.006 min

Lab File: VN084067.D

Acq: 20 Sep 2024 13:56

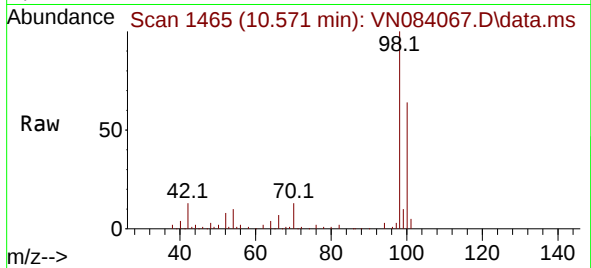
Tgt Ion: 83	Resp:	472
Ion	Ratio	Lower Upper
83	100	
85	53.2	49.4 74.2
127	0.0	7.3 10.9#



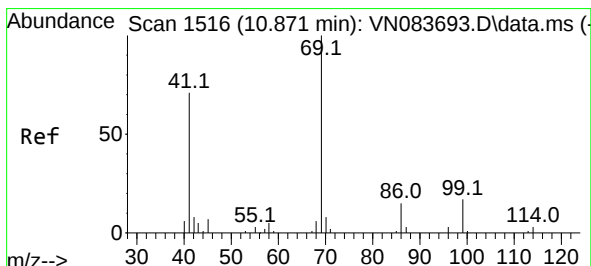
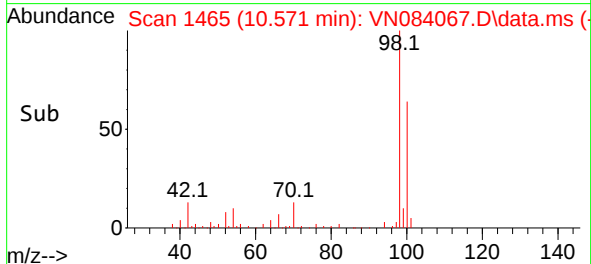
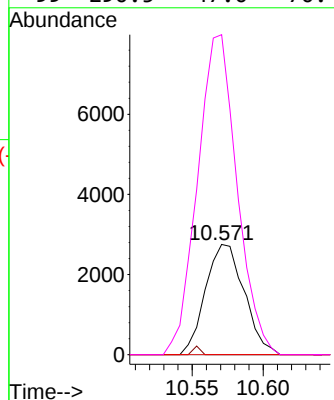


#50
1,1,2-Trichloroethane
Concen: 3.971 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.447 min
Lab File: VN084067.D
Acq: 20 Sep 2024 13:56

Instrument :
MSVOA_N
ClientSampleId :

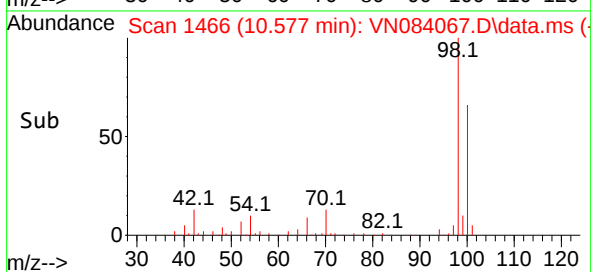
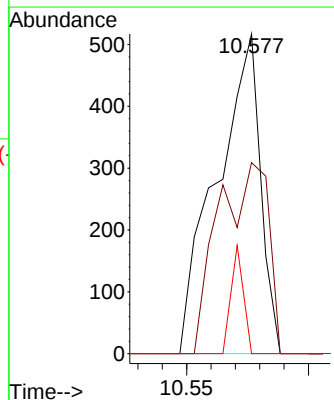
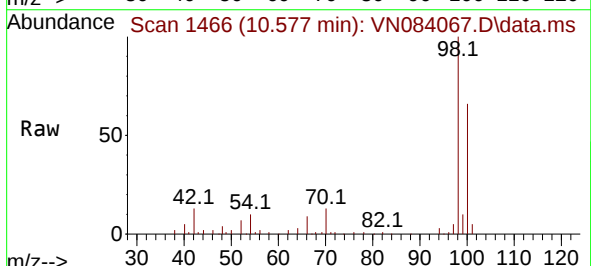


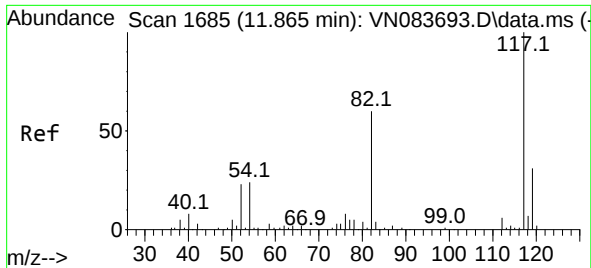
Tgt Ion: 97 Resp: 5225
Ion Ratio Lower Upper
97 100
83 0.0 68.1 102.1#
85 0.0 41.8 62.6#
99 290.5 47.0 70.4#



#51
Ethyl methacrylate
Concen: 0.287 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. -0.294 min
Lab File: VN084067.D
Acq: 20 Sep 2024 13:56

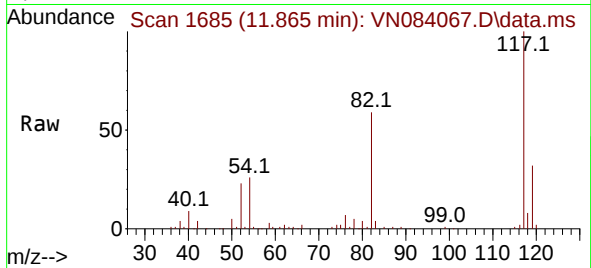
Tgt Ion: 69 Resp: 646
Ion Ratio Lower Upper
69 100
41 59.8 25.5 76.5
39 0.0 16.0 47.9#



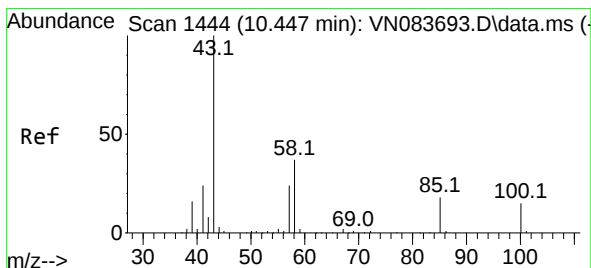
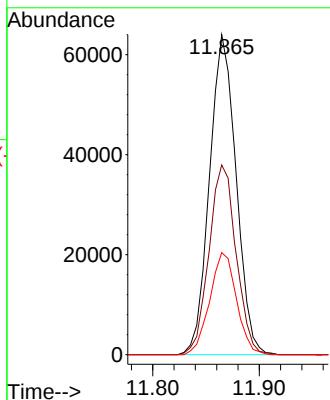
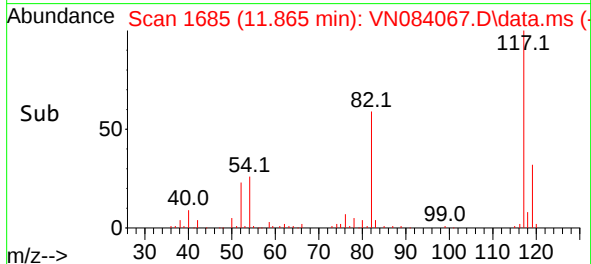


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN084067.D
Acq: 20 Sep 2024 13:56

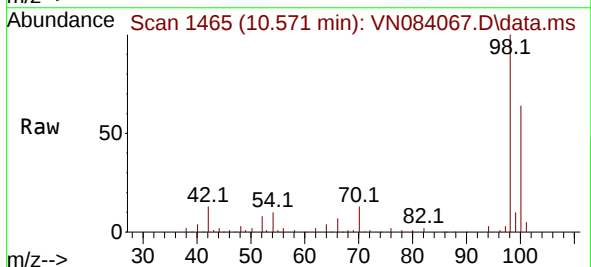
Instrument :
MSVOA_N
ClientSampleId :



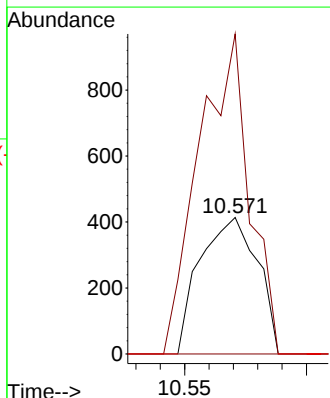
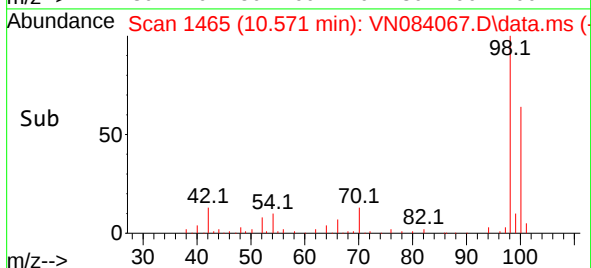
Tgt Ion:117 Resp: 110994
Ion Ratio Lower Upper
117 100
82 60.4 46.6 69.8
119 32.1 25.4 38.2

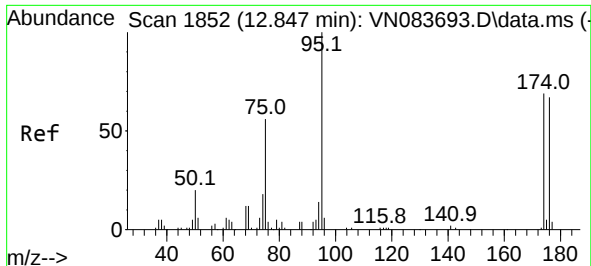


#58
4-Methyl-2-Pentanone
Concen: 0.386 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.124 min
Lab File: VN084067.D
Acq: 20 Sep 2024 13:56



Tgt Ion: 43 Resp: 680
Ion Ratio Lower Upper
43 100
58 205.6 36.5 54.7#
85 0.0 19.5 29.3#

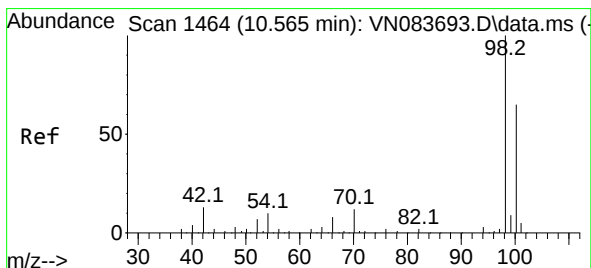
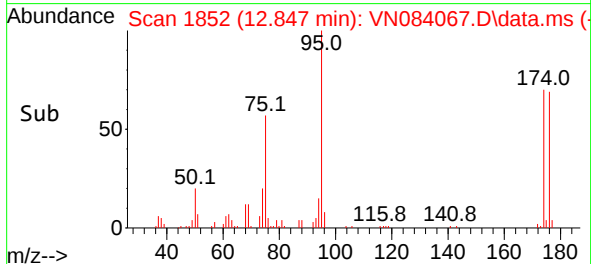
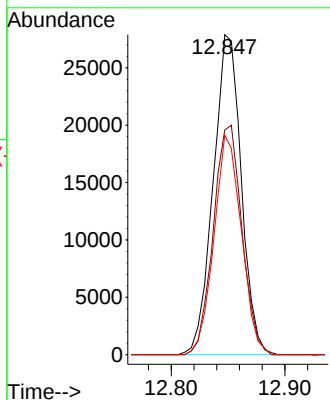
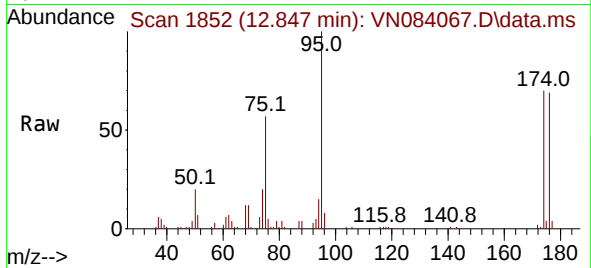




#60
4-Bromofluorobenzene
Concen: 24.987 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084067.D
Acq: 20 Sep 2024 13:56

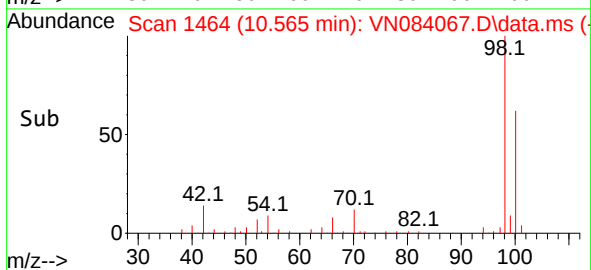
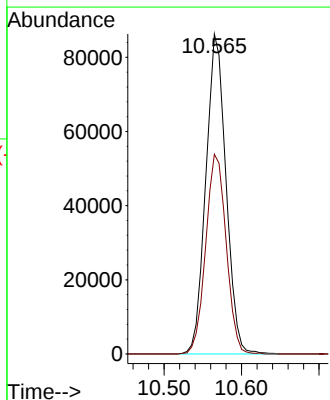
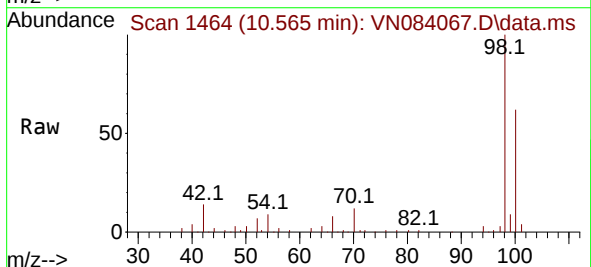
Instrument :
MSVOA_N
ClientSampleId :

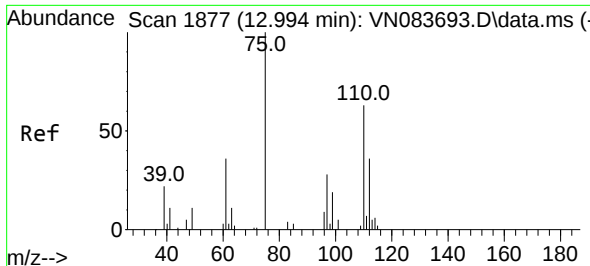
Tgt Ion: 95 Resp: 47799
Ion Ratio Lower Upper
95 100
174 73.1 60.5 90.7
176 67.3 57.8 86.6



#63
Toluene-d8
Concen: 30.330 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084067.D
Acq: 20 Sep 2024 13:56

Tgt Ion: 98 Resp: 155881
Ion Ratio Lower Upper
98 100
100 63.4 52.7 79.1

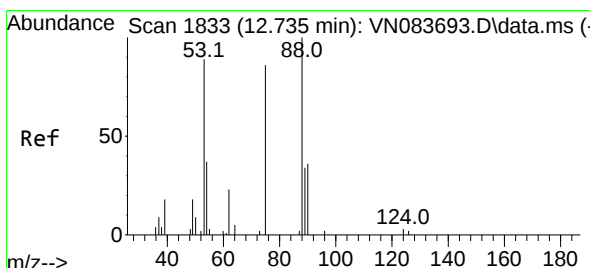
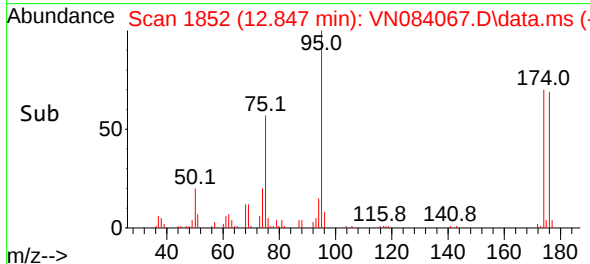
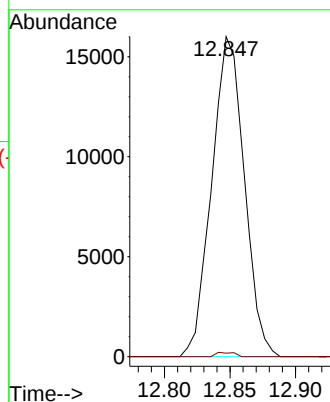
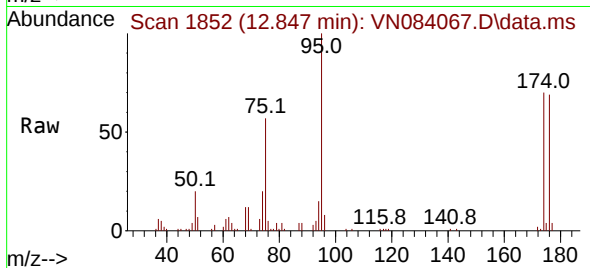




#72
1,2,3-Trichloropropane
Concen: 16.975 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN084067.D
Acq: 20 Sep 2024 13:56

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 27712
Ion Ratio Lower Upper
75 100
77 0.8 0.0 367.6



#77
t-1,4-Dichloro-2-butene
Concen: 40.160 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084067.D
Acq: 20 Sep 2024 13:56

Tgt Ion: 75 Resp: 27712
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#

