

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100424\
 Data File : VN084315.D
 Acq On : 04 Oct 2024 14:45
 Operator : JC\MD
 Sample : P4262-04 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 04 22:59:21 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)

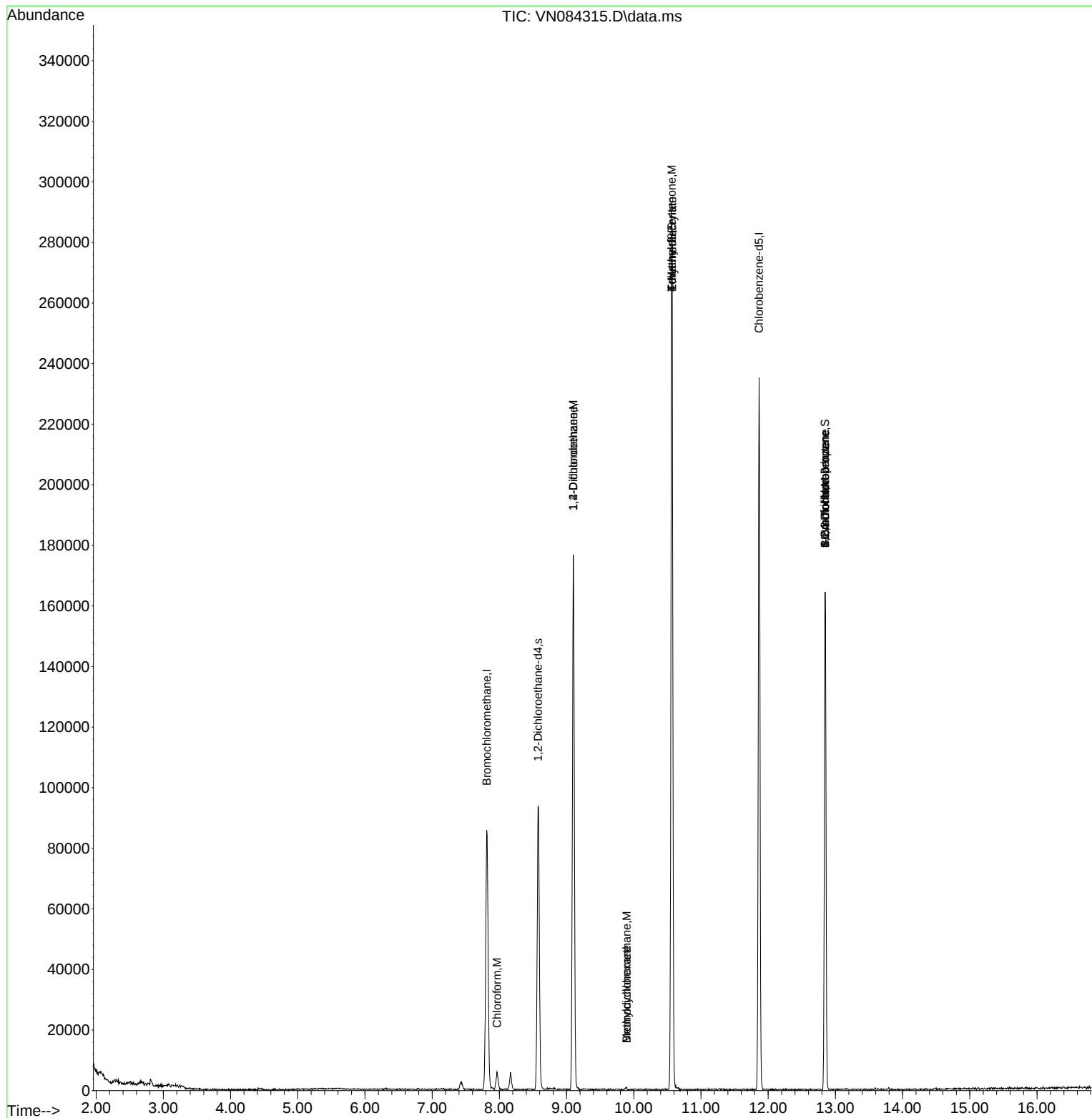
Internal Standards						
1) Bromochloromethane	7.812	128	30324	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	145688	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	132954	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	77909	28.107	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	93.700%
60) 4-Bromofluorobenzene	12.847	95	58889	25.700	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	85.667%
63) Toluene-d8	10.565	98	196746	31.959	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	106.533%
Target Compounds						
					Qvalue	
25) Chloroform	7.965	83	5582	1.382	ug/l	99
36) 1,2-Dichloroethane	9.100	62	5332	2.046	ug/l #	72
38) Methylcyclohexane	9.894	83	703	0.254	ug/l #	19
41) Bromodichloromethane	9.894	83	703	0.271	ug/l #	88
51) Ethyl methacrylate	10.571	69	744	0.280	ug/l #	72
56) Bromoform	12.847	173	301	0.254	ug/l #	1
58) 4-Methyl-2-Pentanone	10.565	43	704	0.334	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	30909	15.806	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	30909	37.395	ug/l #	12

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

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MSVOA_N
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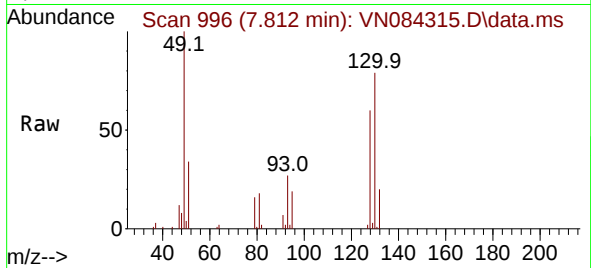
Quant Time: Oct 04 22:59:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 06 23:42:47 2024
Response via : Initial Calibration



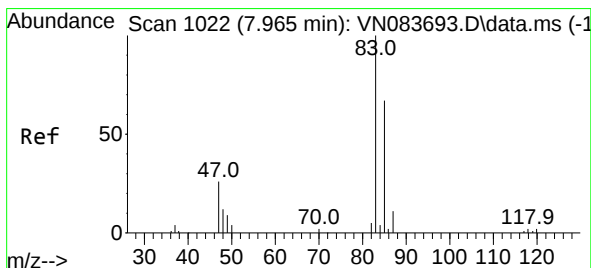
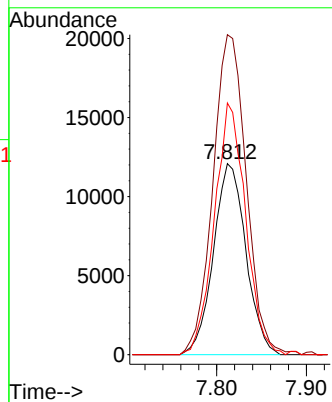
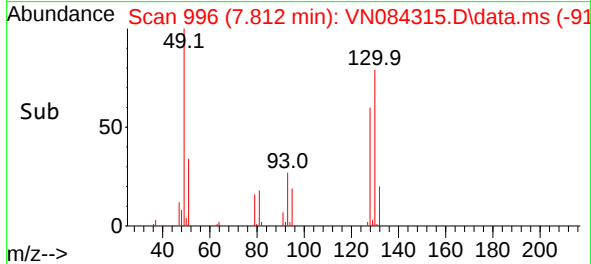


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084315.D
Acq: 04 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :

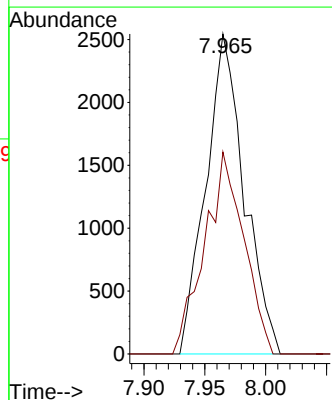
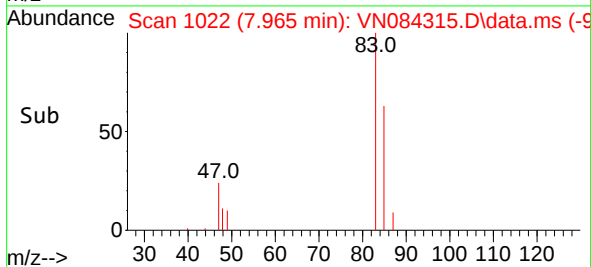
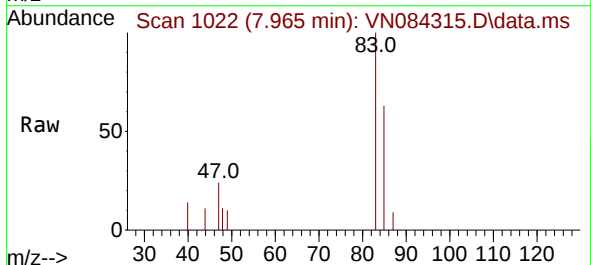


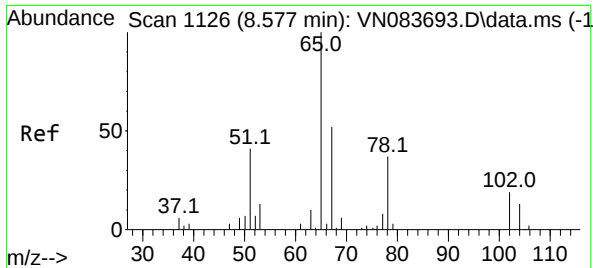
Tgt Ion:128 Resp: 30324
Ion Ratio Lower Upper
128 100
49 172.0 0.0 403.7
130 126.7 0.0 323.3



#25
Chloroform
Concen: 1.382 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084315.D
Acq: 04 Oct 2024 14:45

Tgt Ion: 83 Resp: 5582
Ion Ratio Lower Upper
83 100
85 63.1 50.9 76.3

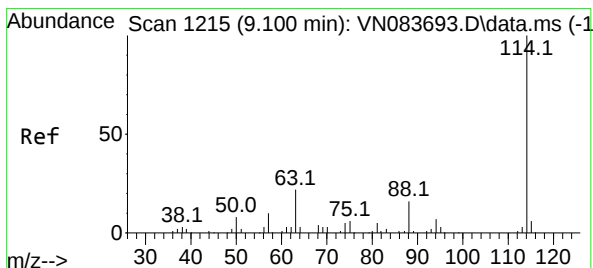
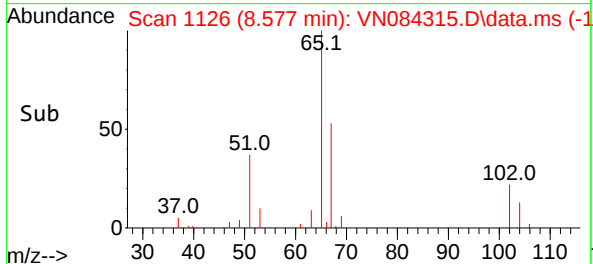
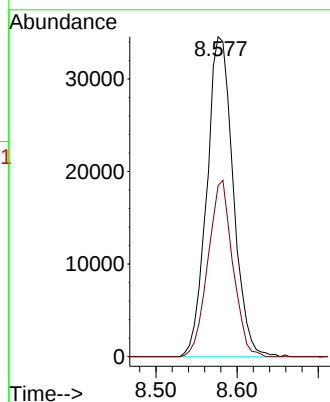
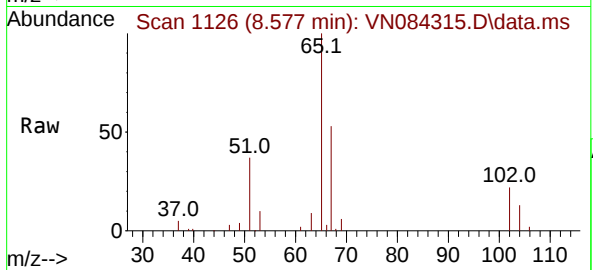




#27
1,2-Dichloroethane-d4
Concen: 28.107 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084315.D
Acq: 04 Oct 2024 14:45

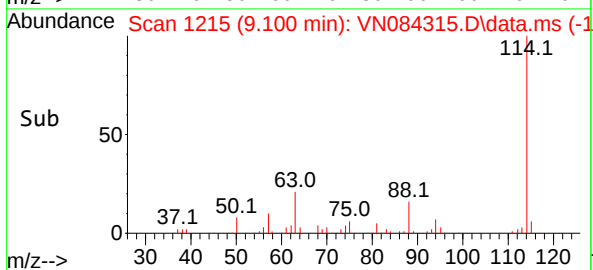
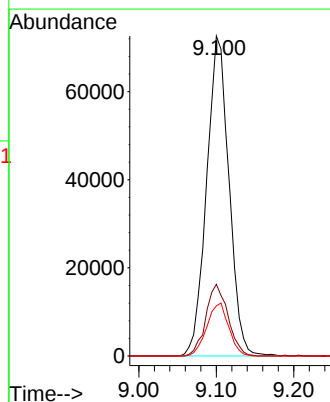
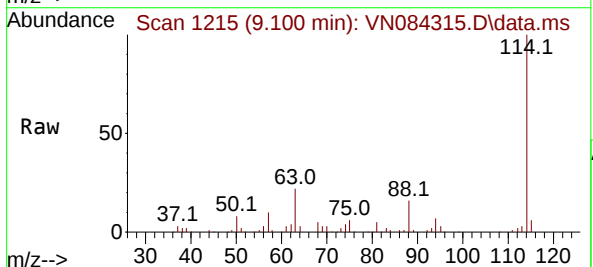
Instrument :
MSVOA_N
ClientSampleId :

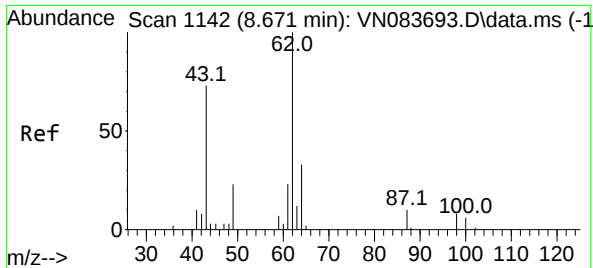
Tgt Ion: 65 Resp: 77909
Ion Ratio Lower Upper
65 100
67 51.8 43.2 64.8



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084315.D
Acq: 04 Oct 2024 14:45

Tgt Ion: 114 Resp: 145688
Ion Ratio Lower Upper
114 100
63 22.2 15.9 23.9
88 16.1 12.7 19.1

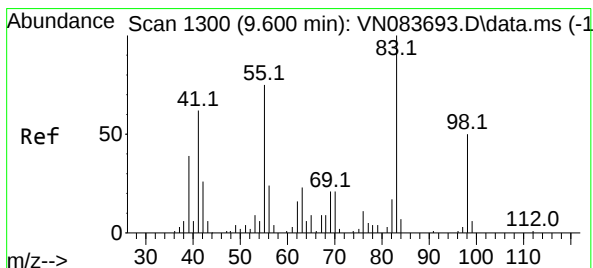
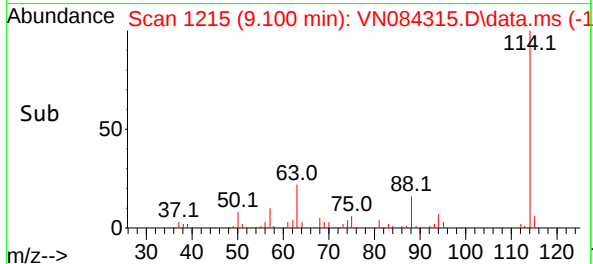
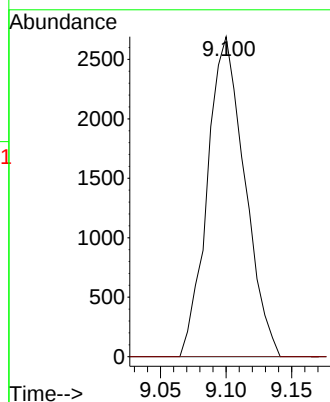
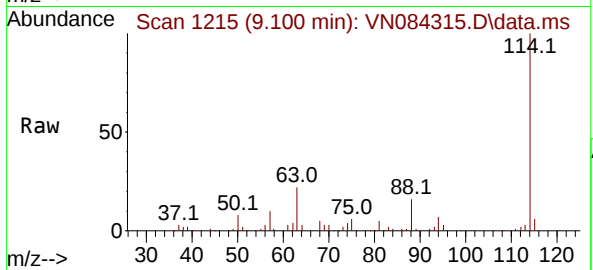




#36
1,2-Dichloroethane
Concen: 2.046 ug/l
RT: 9.100 min Scan# 1142
Delta R.T. 0.429 min
Lab File: VN084315.D
Acq: 04 Oct 2024 14:45

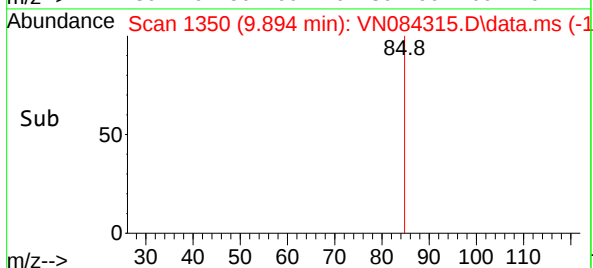
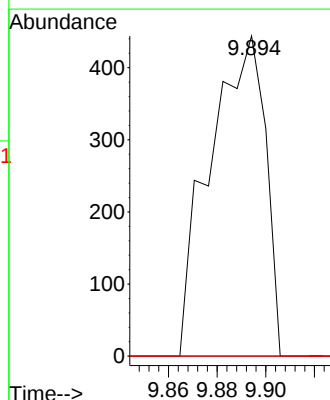
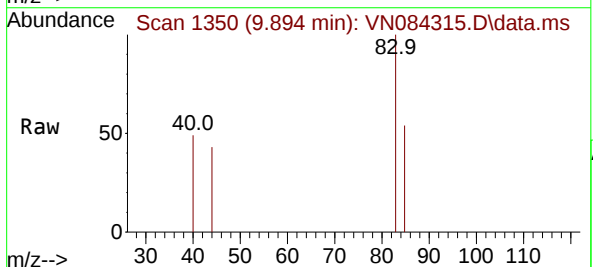
Instrument :
MSVOA_N
ClientSampleId :

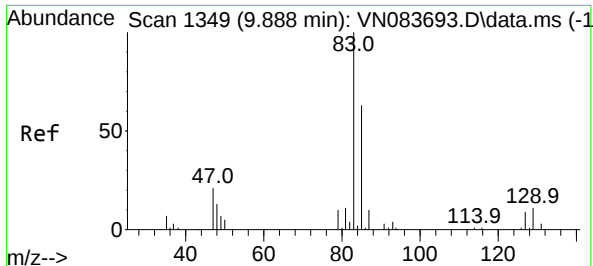
Tgt Ion: 62 Resp: 5332
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.4#



#38
Methylcyclohexane
Concen: 0.254 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. 0.294 min
Lab File: VN084315.D
Acq: 04 Oct 2024 14:45

Tgt Ion: 83 Resp: 703
Ion Ratio Lower Upper
83 100
55 0.0 36.6 109.9#
98 0.0 23.8 71.5#

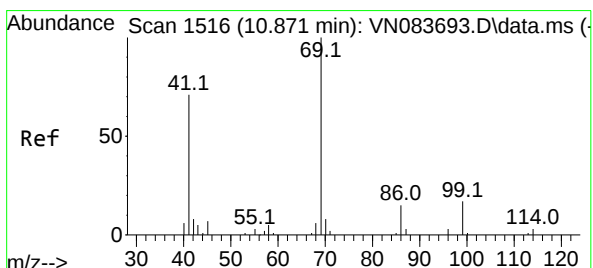
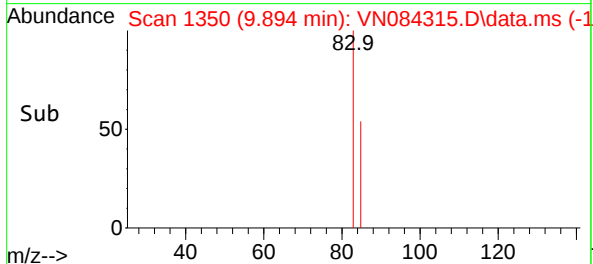
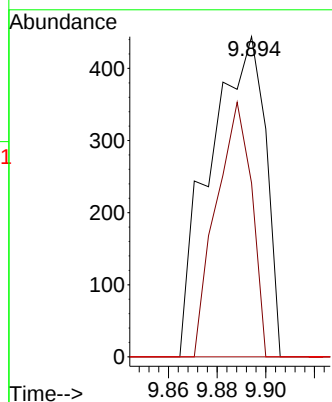
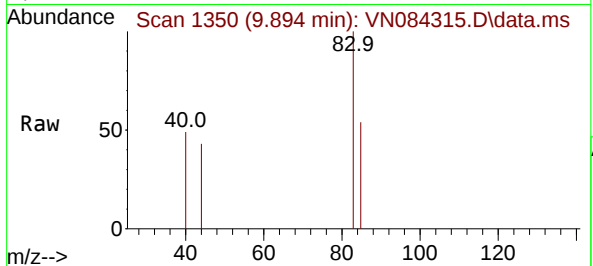




#41
Bromodichloromethane
Concen: 0.271 ug/l
RT: 9.894 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN084315.D
Acq: 04 Oct 2024 14:45

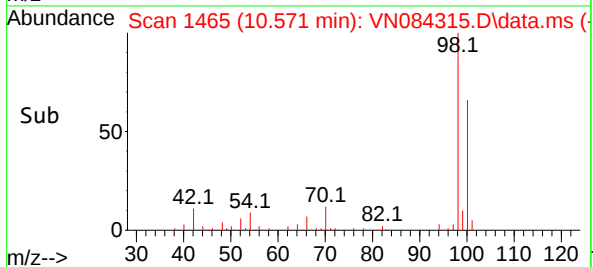
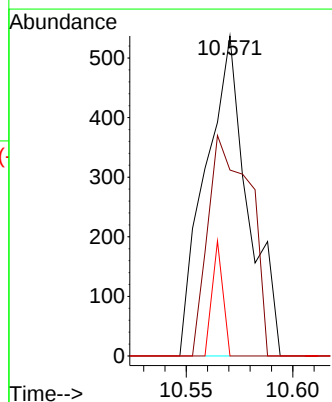
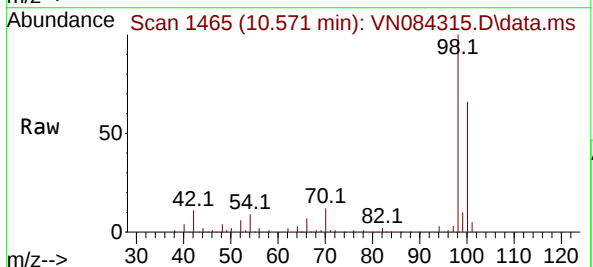
Instrument :
MSVOA_N
ClientSampleId :

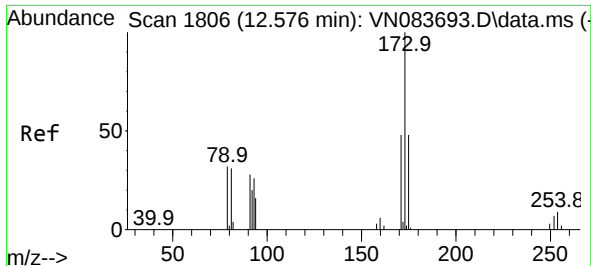
Tgt Ion: 83 Resp: 703
Ion Ratio Lower Upper
83 100
85 54.3 49.4 74.2
127 0.0 7.3 10.9#



#51
Ethyl methacrylate
Concen: 0.280 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.300 min
Lab File: VN084315.D
Acq: 04 Oct 2024 14:45

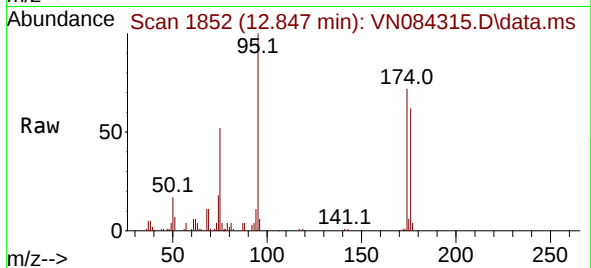
Tgt Ion: 69 Resp: 744
Ion Ratio Lower Upper
69 100
41 58.1 25.5 76.5
39 0.0 16.0 47.9#



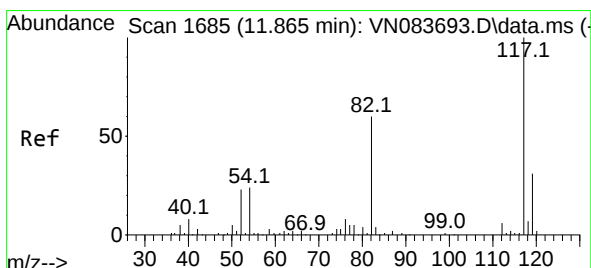
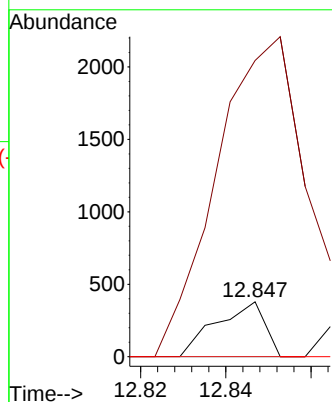
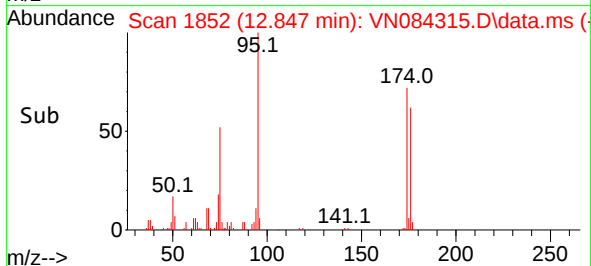


#56
Bromoform
Concen: 0.254 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN084315.D
Acq: 04 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :

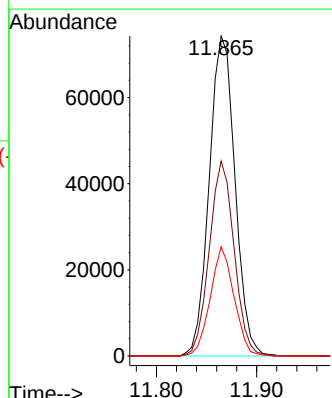
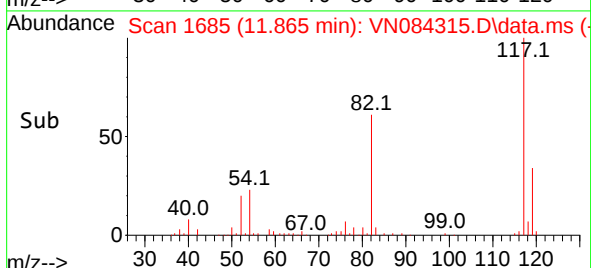
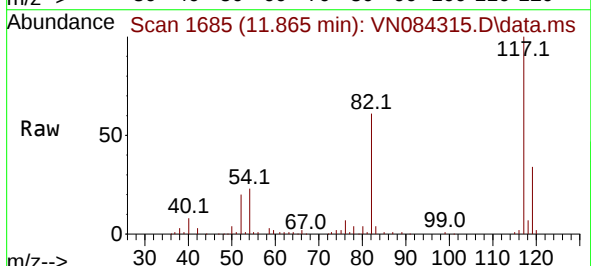


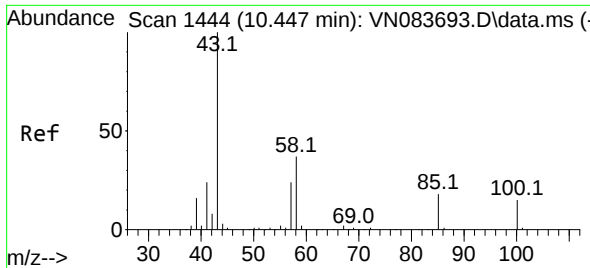
Tgt Ion:173 Resp: 301
Ion Ratio Lower Upper
173 100
175 1110.0 40.0 60.0#
254 0.0 8.3 12.5#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084315.D
Acq: 04 Oct 2024 14:45

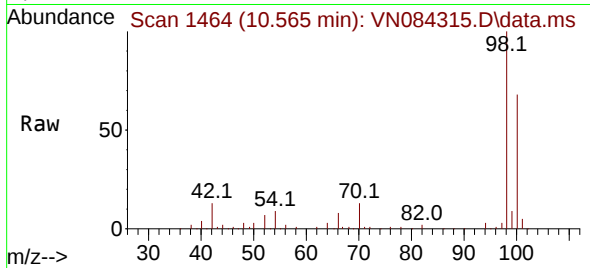
Tgt Ion:117 Resp: 132954
Ion Ratio Lower Upper
117 100
82 58.6 46.6 69.8
119 31.4 25.4 38.2



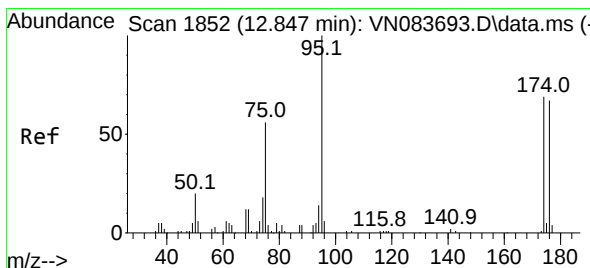
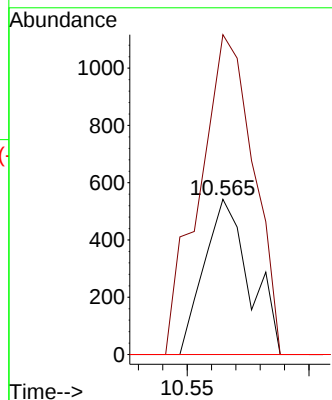
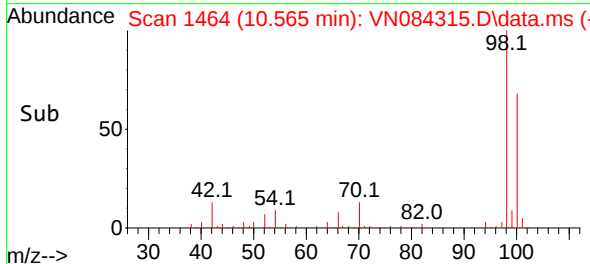


#58
 4-Methyl-2-Pentanone
 Concen: 0.334 ug/l
 RT: 10.565 min Scan# 1444
 Delta R.T. 0.118 min
 Lab File: VN084315.D
 Acq: 04 Oct 2024 14:45

Instrument :
 MSVOA_N
 ClientSampleId :

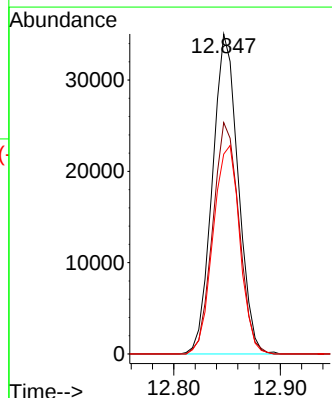
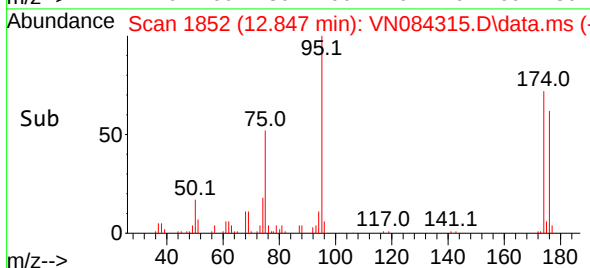
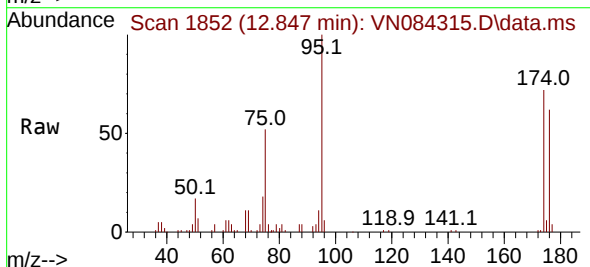


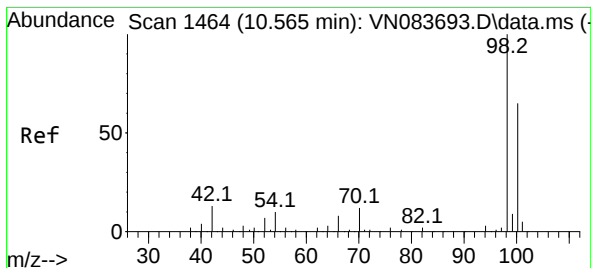
Tgt Ion: 43 Resp: 704
 Ion Ratio Lower Upper
 43 100
 58 245.6 36.5 54.7#
 85 0.0 19.5 29.3#



#60
 4-Bromofluorobenzene
 Concen: 25.700 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.000 min
 Lab File: VN084315.D
 Acq: 04 Oct 2024 14:45

Tgt Ion: 95 Resp: 58889
 Ion Ratio Lower Upper
 95 100
 174 73.6 60.5 90.7
 176 67.5 57.8 86.6





#63

Toluene-d8

Concen: 31.959 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084315.D

Acq: 04 Oct 2024 14:45

Instrument :

MSVOA_N

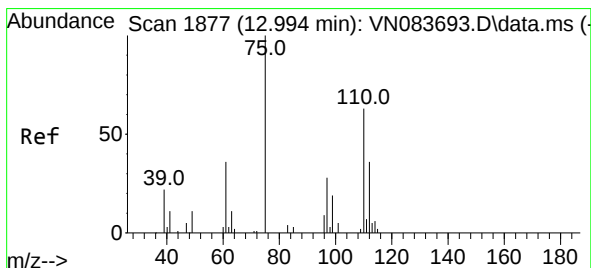
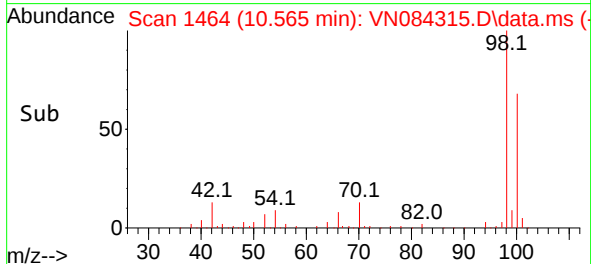
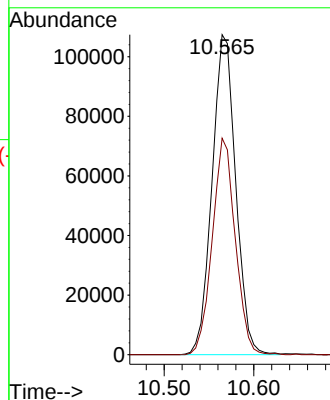
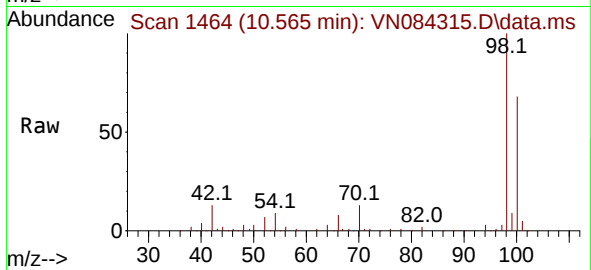
ClientSampleId :

Tgt Ion: 98 Resp: 196746

Ion Ratio Lower Upper

98 100

100 65.6 52.7 79.1



#72

1,2,3-Trichloropropane

Concen: 15.806 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN084315.D

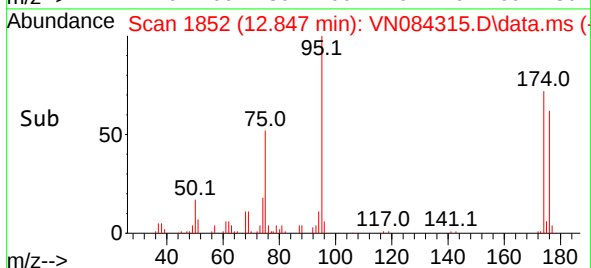
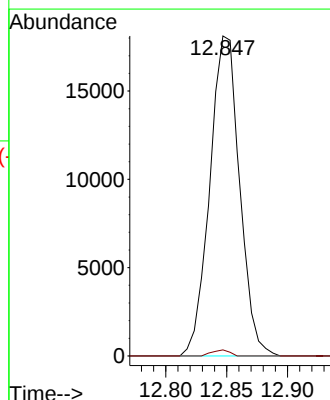
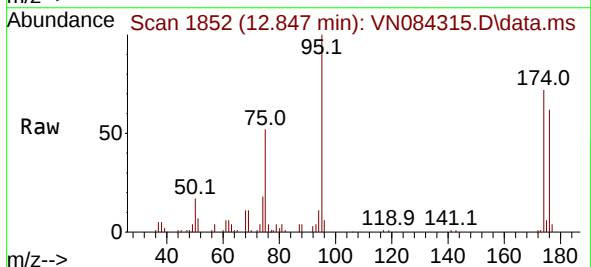
Acq: 04 Oct 2024 14:45

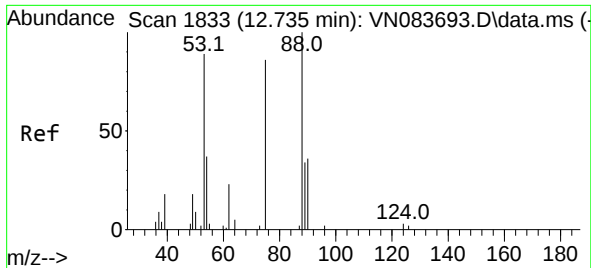
Tgt Ion: 75 Resp: 30909

Ion Ratio Lower Upper

75 100

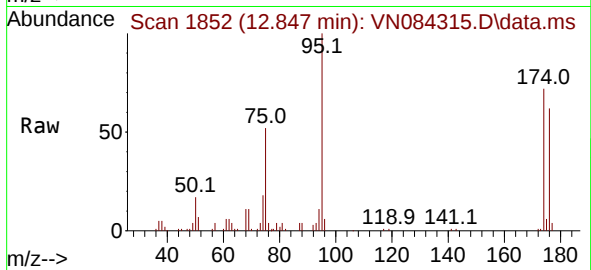
77 1.1 0.0 367.6





#77
t-1,4-Dichloro-2-butene
Concen: 37.395 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN084315.D
Acq: 04 Oct 2024 14:45

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 30909
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#

