

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091324\
 Data File : VN083875.D
 Acq On : 13 Sep 2024 17:19
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 13 23:54:32 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)

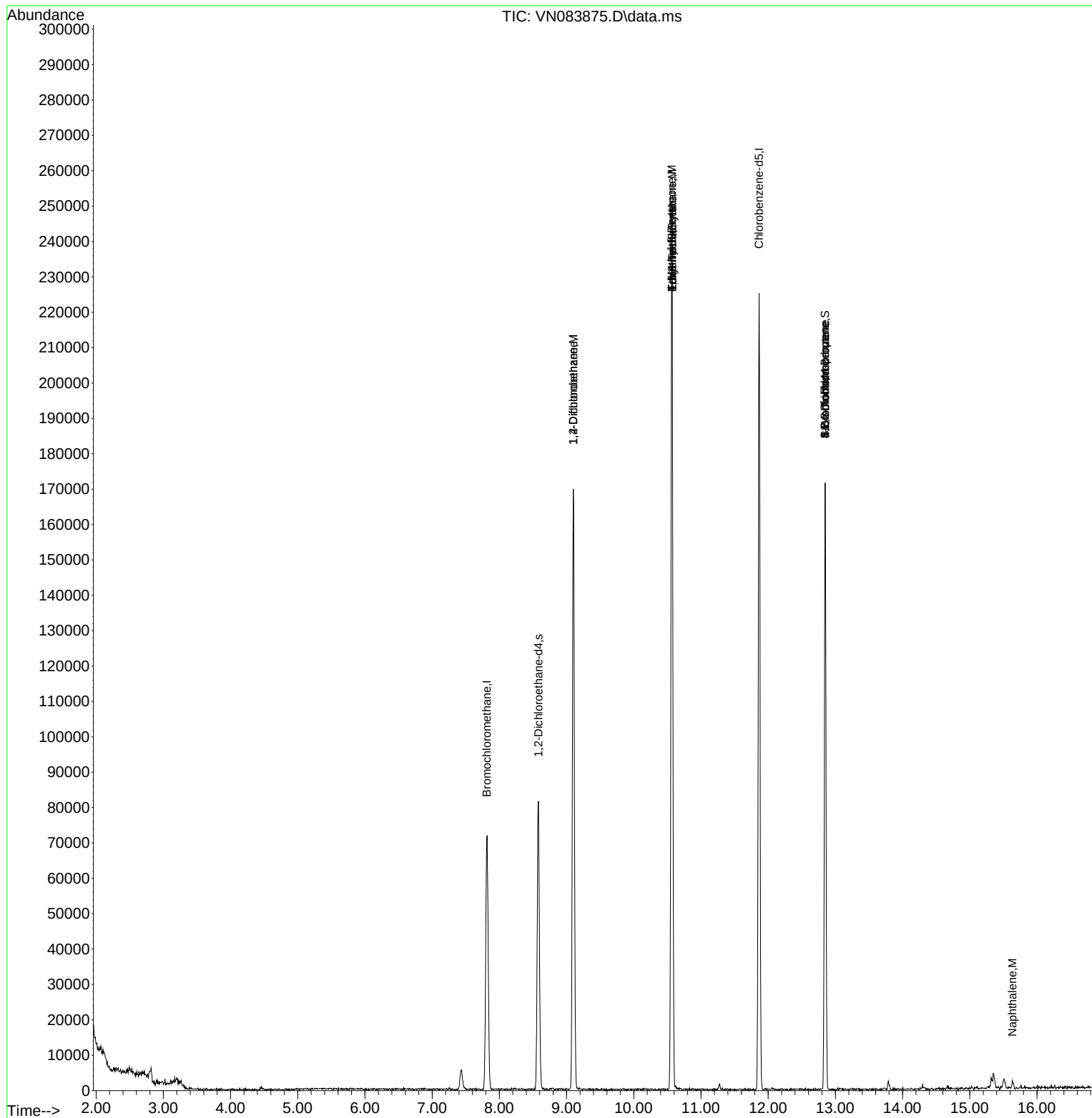
Internal Standards						
1) Bromochloromethane	7.812	128	24464	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	138690	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	120661	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	70525	31.538	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.133%
60) 4-Bromofluorobenzene	12.847	95	57143	27.478	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.600%
63) Toluene-d8	10.571	98	169621	30.360	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.200%
Target Compounds						
					Qvalue	
36) 1,2-Dichloroethane	9.100	62	5570	2.245	ug/l #	72
50) 1,1,2-Trichloroethane	10.571	97	5351	3.620	ug/l #	1
51) Ethyl methacrylate	10.571	69	511	0.202	ug/l #	21
56) Bromoform	12.847	173	502	0.446	ug/l #	1
58) 4-Methyl-2-Pentanone	10.565	43	1057	0.552	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	32241	18.167	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	32241	42.980	ug/l #	12
91) Naphthalene	15.635	128	2754	0.484	ug/l #	73

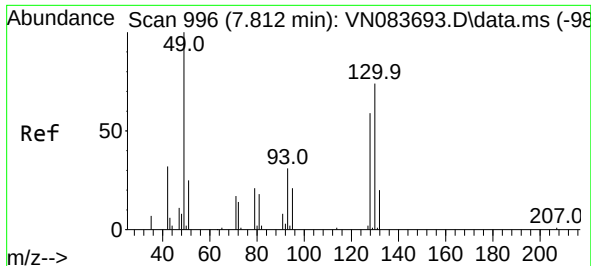
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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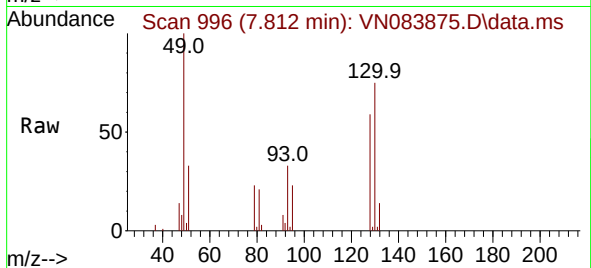
Quant Time: Sep 13 23:54:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 06 23:42:47 2024
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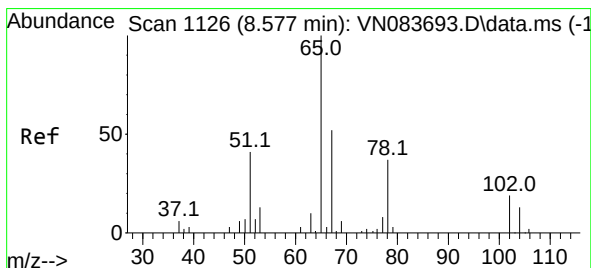
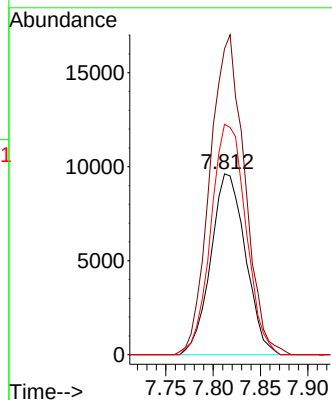
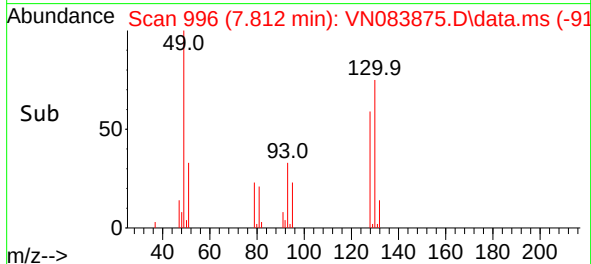


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN083875.D
Acq: 13 Sep 2024 17:19

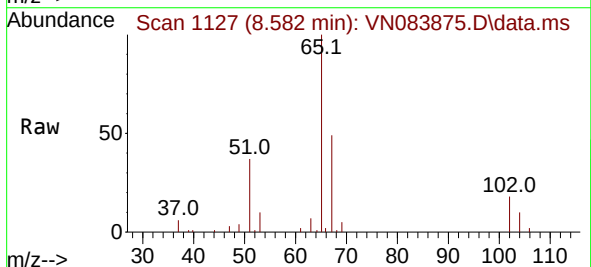
Instrument :
MSVOA_N
ClientSampleId :



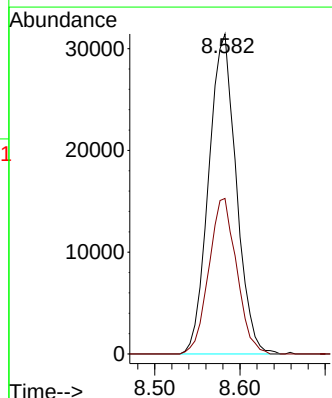
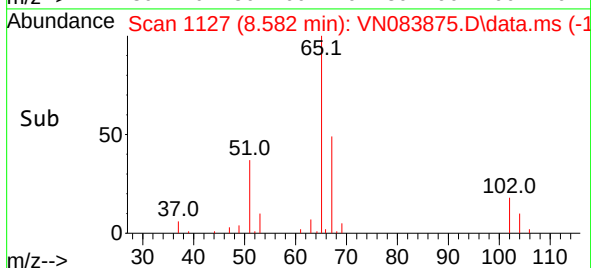
Tgt Ion:128 Resp: 24464
Ion Ratio Lower Upper
128 100
49 177.4 0.0 403.7
130 128.7 0.0 323.3

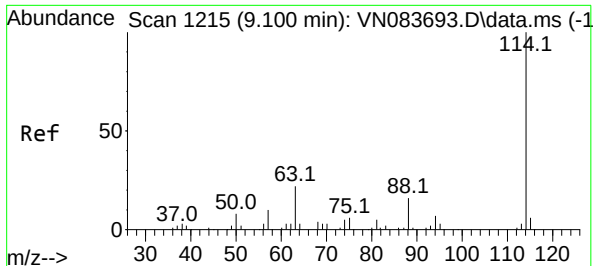


#27
1,2-Dichloroethane-d4
Concen: 31.538 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN083875.D
Acq: 13 Sep 2024 17:19



Tgt Ion: 65 Resp: 70525
Ion Ratio Lower Upper
65 100
67 49.1 43.2 64.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN083875.D

Acq: 13 Sep 2024 17:19

Instrument :

MSVOA_N

ClientSampleId :

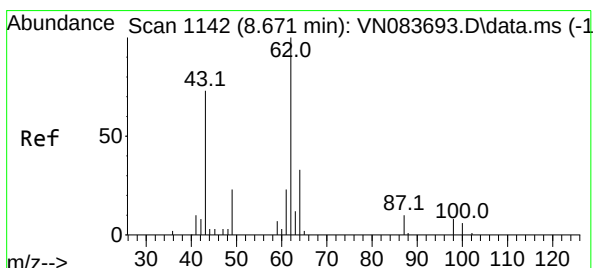
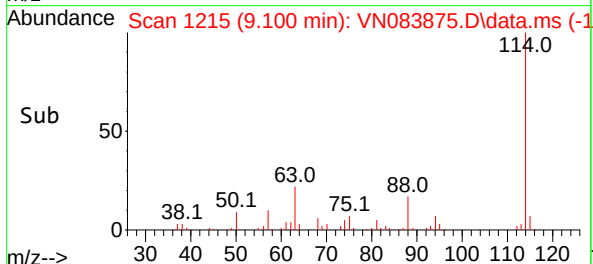
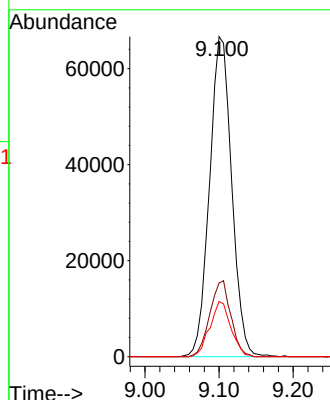
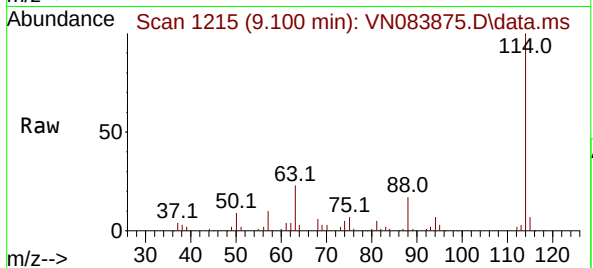
Tgt Ion:114 Resp: 138690

Ion Ratio Lower Upper

114 100

63 22.4 15.9 23.9

88 16.4 12.7 19.1



#36

1,2-Dichloroethane

Concen: 2.245 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.429 min

Lab File: VN083875.D

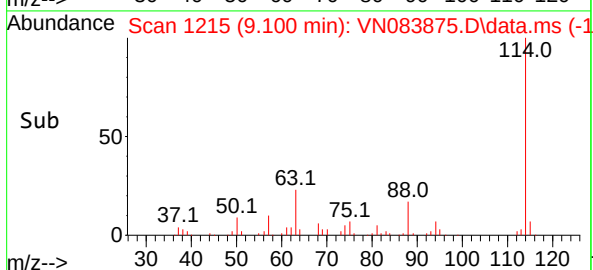
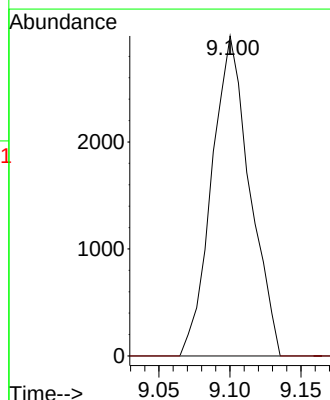
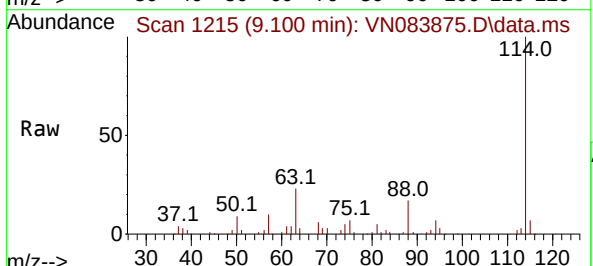
Acq: 13 Sep 2024 17:19

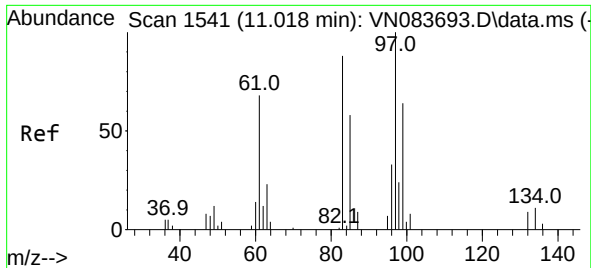
Tgt Ion: 62 Resp: 5570

Ion Ratio Lower Upper

62 100

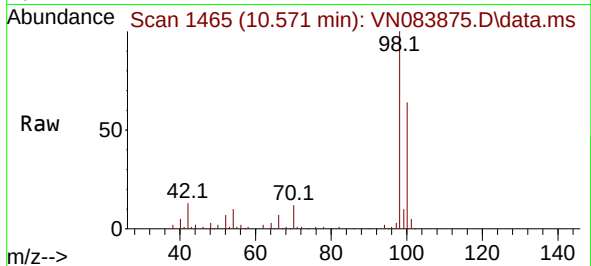
98 0.0 8.2 12.4#



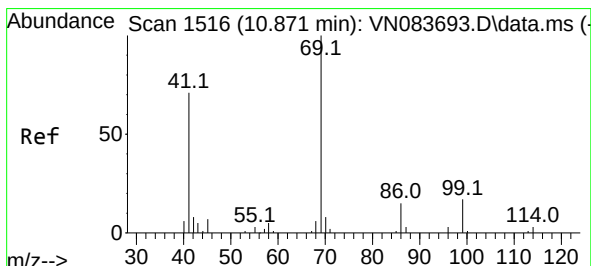
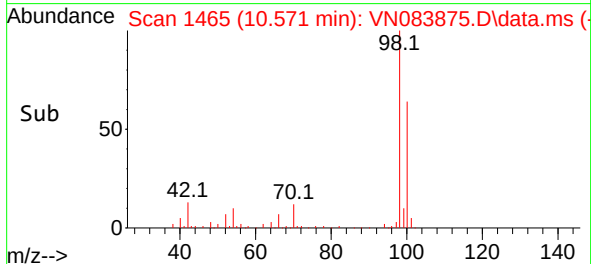
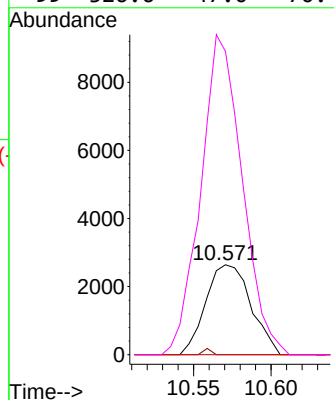


#50
1,1,2-Trichloroethane
Concen: 3.620 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.447 min
Lab File: VN083875.D
Acq: 13 Sep 2024 17:19

Instrument :
MSVOA_N
ClientSampleId :

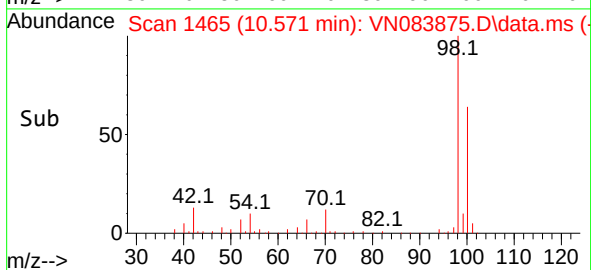
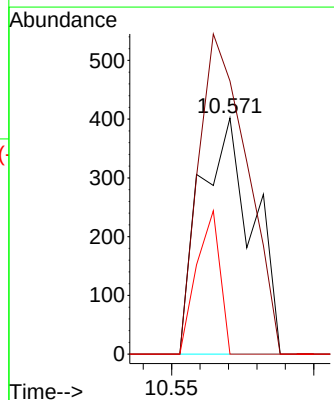
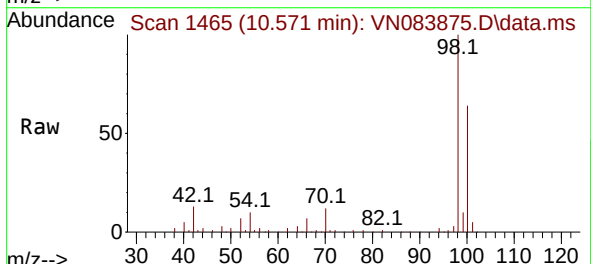


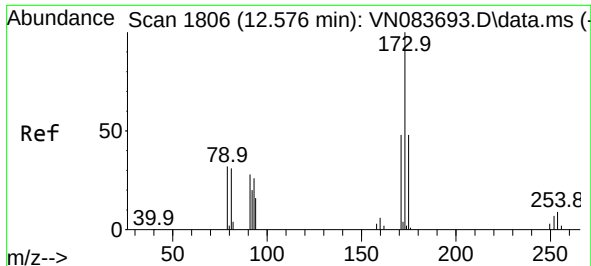
Tgt Ion:	97	Resp:	5351
Ion	Ratio	Lower	Upper
97	100		
83	0.0	68.1	102.1#
85	0.0	41.8	62.6#
99	326.6	47.0	70.4#



#51
Ethyl methacrylate
Concen: 0.202 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.300 min
Lab File: VN083875.D
Acq: 13 Sep 2024 17:19

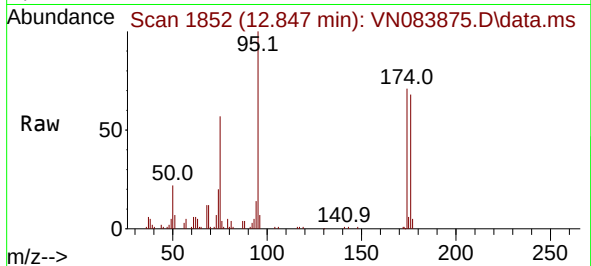
Tgt Ion:	69	Resp:	511
Ion	Ratio	Lower	Upper
69	100		
41	115.7	25.5	76.5#
39	0.0	16.0	47.9#



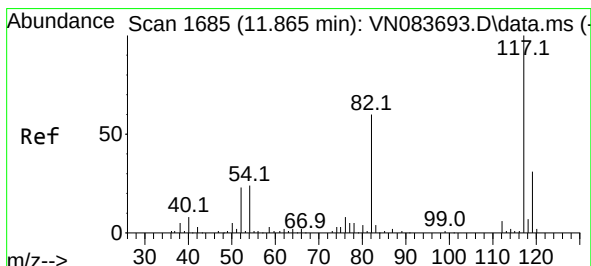
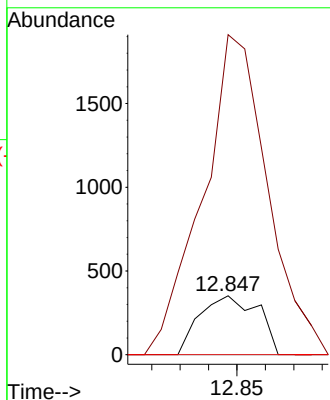
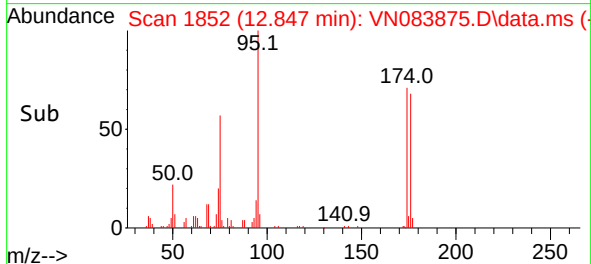


#56
Bromoform
Concen: 0.446 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN083875.D
Acq: 13 Sep 2024 17:19

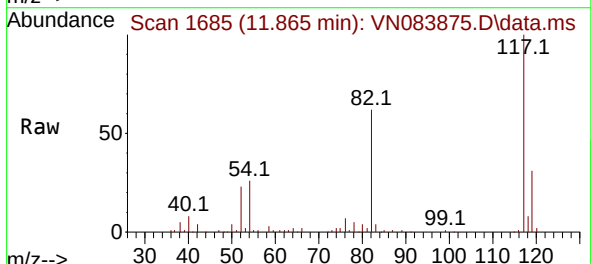
Instrument :
MSVOA_N
ClientSampleId :



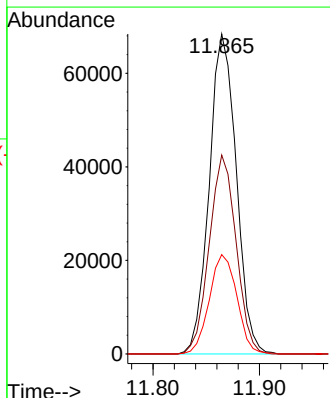
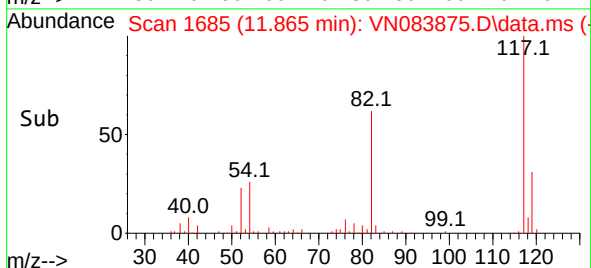
Tgt Ion:173 Resp: 502
Ion Ratio Lower Upper
173 100
175 605.2 40.0 60.0#
254 0.0 8.3 12.5#

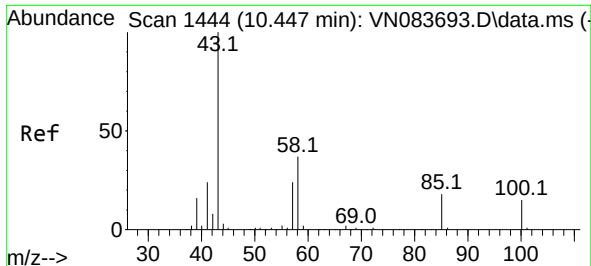


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083875.D
Acq: 13 Sep 2024 17:19



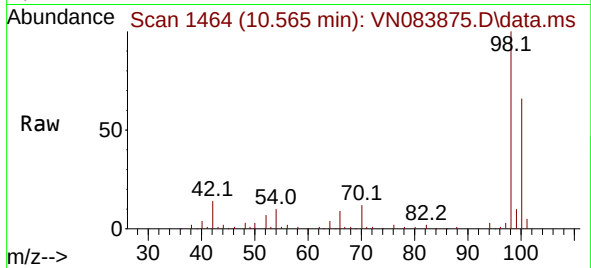
Tgt Ion:117 Resp: 120661
Ion Ratio Lower Upper
117 100
82 61.9 46.6 69.8
119 31.7 25.4 38.2



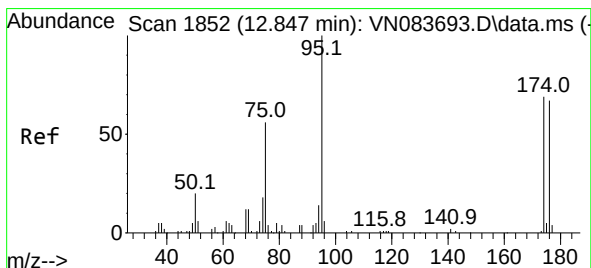
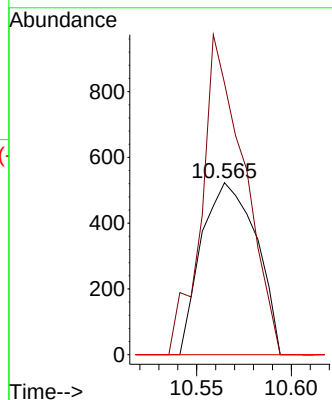
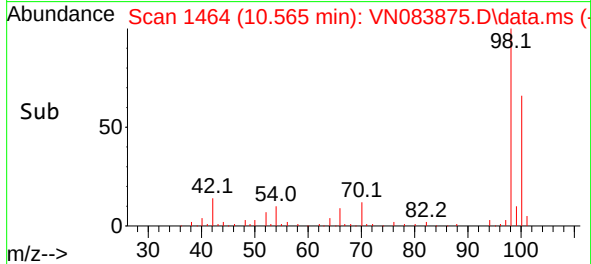


#58
4-Methyl-2-Pentanone
Concen: 0.552 ug/l
RT: 10.565 min Scan# 1444
Delta R.T. 0.118 min
Lab File: VN083875.D
Acq: 13 Sep 2024 17:19

Instrument :
MSVOA_N
ClientSampleId :

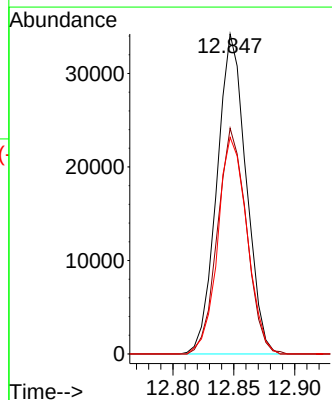
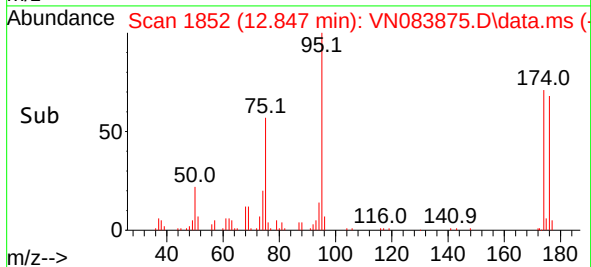
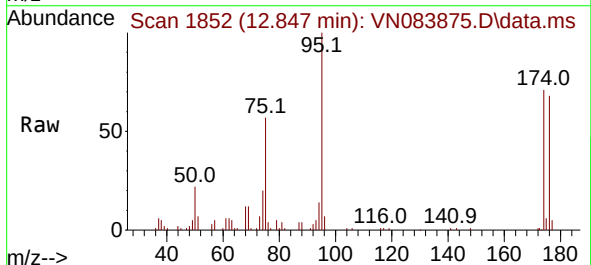


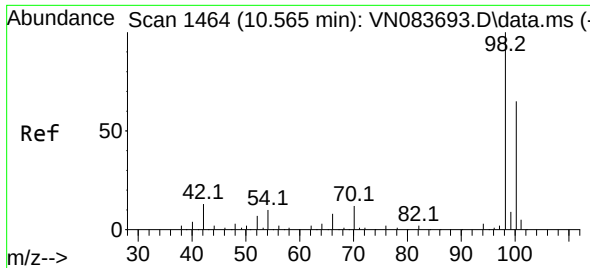
Tgt Ion: 43 Resp: 1057
Ion Ratio Lower Upper
43 100
58 143.8 36.5 54.7#
85 0.0 19.5 29.3#



#60
4-Bromofluorobenzene
Concen: 27.478 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083875.D
Acq: 13 Sep 2024 17:19

Tgt Ion: 95 Resp: 57143
Ion Ratio Lower Upper
95 100
174 69.8 60.5 90.7
176 67.9 57.8 86.6

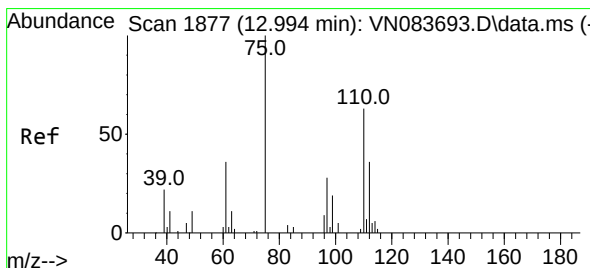
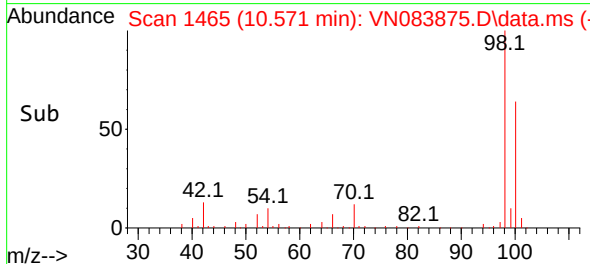
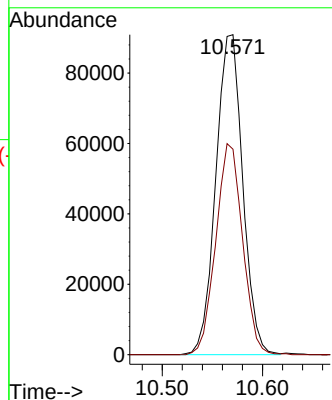
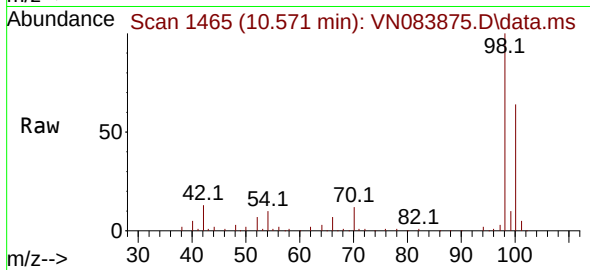




#63
Toluene-d8
Concen: 30.360 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN083875.D
Acq: 13 Sep 2024 17:19

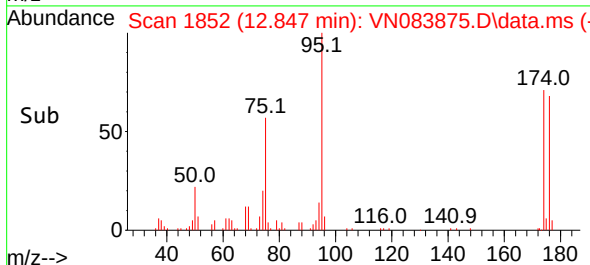
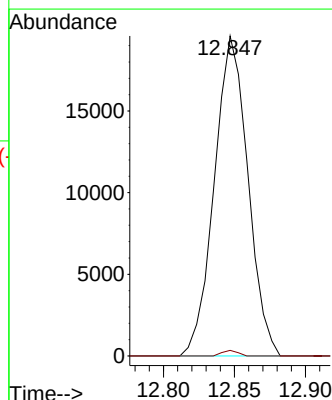
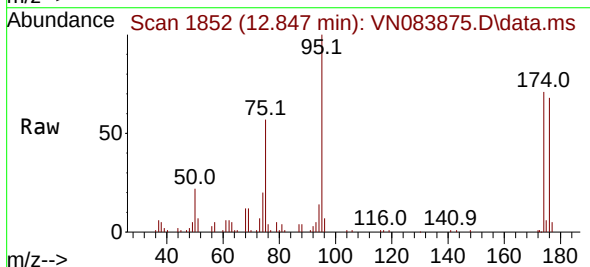
Instrument :
MSVOA_N
ClientSampleId :

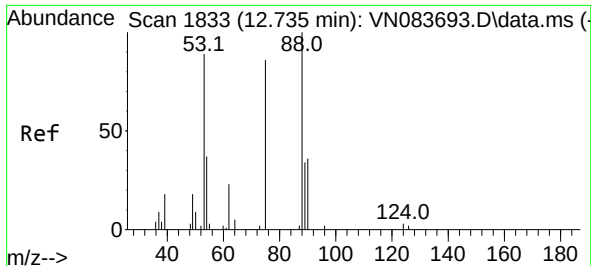
Tgt Ion: 98 Resp: 169621
Ion Ratio Lower Upper
98 100
100 65.5 52.7 79.1



#72
1,2,3-Trichloropropane
Concen: 18.167 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083875.D
Acq: 13 Sep 2024 17:19

Tgt Ion: 75 Resp: 32241
Ion Ratio Lower Upper
75 100
77 0.8 0.0 367.6





#77

t-1,4-Dichloro-2-butene

Concen: 42.980 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

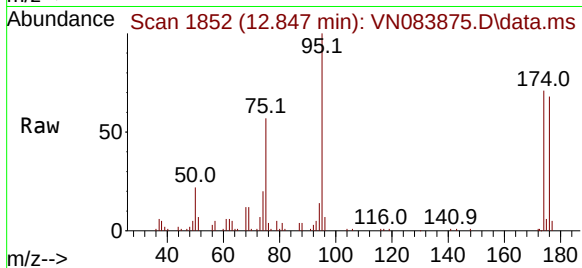
Lab File: VN083875.D

Acq: 13 Sep 2024 17:19

Instrument :

MSVOA_N

ClientSampleId :



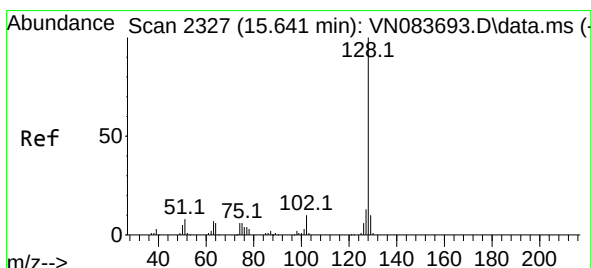
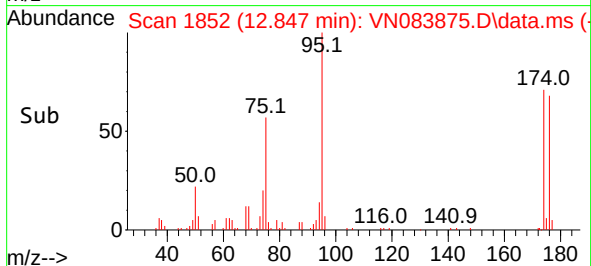
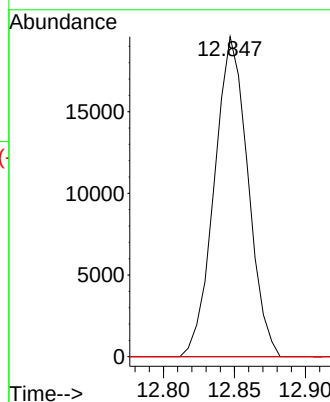
Tgt Ion: 75 Resp: 32241

Ion Ratio Lower Upper

75 100

53 0.0 45.9 137.7#

89 0.0 25.9 77.7#



#91

Naphthalene

Concen: 0.484 ug/l

RT: 15.635 min Scan# 2326

Delta R.T. -0.006 min

Lab File: VN083875.D

Acq: 13 Sep 2024 17:19

Tgt Ion:128 Resp: 2754

Ion Ratio Lower Upper

128 100

127 2.8 10.6 16.0#

129 0.0 8.6 13.0#

