

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103124\
 Data File : VN084623.D
 Acq On : 31 Oct 2024 17:01
 Operator : JC\MD
 Sample : P4646-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 01 02:49:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 01 02:38:04 2024
 Response via : Initial Calibration

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

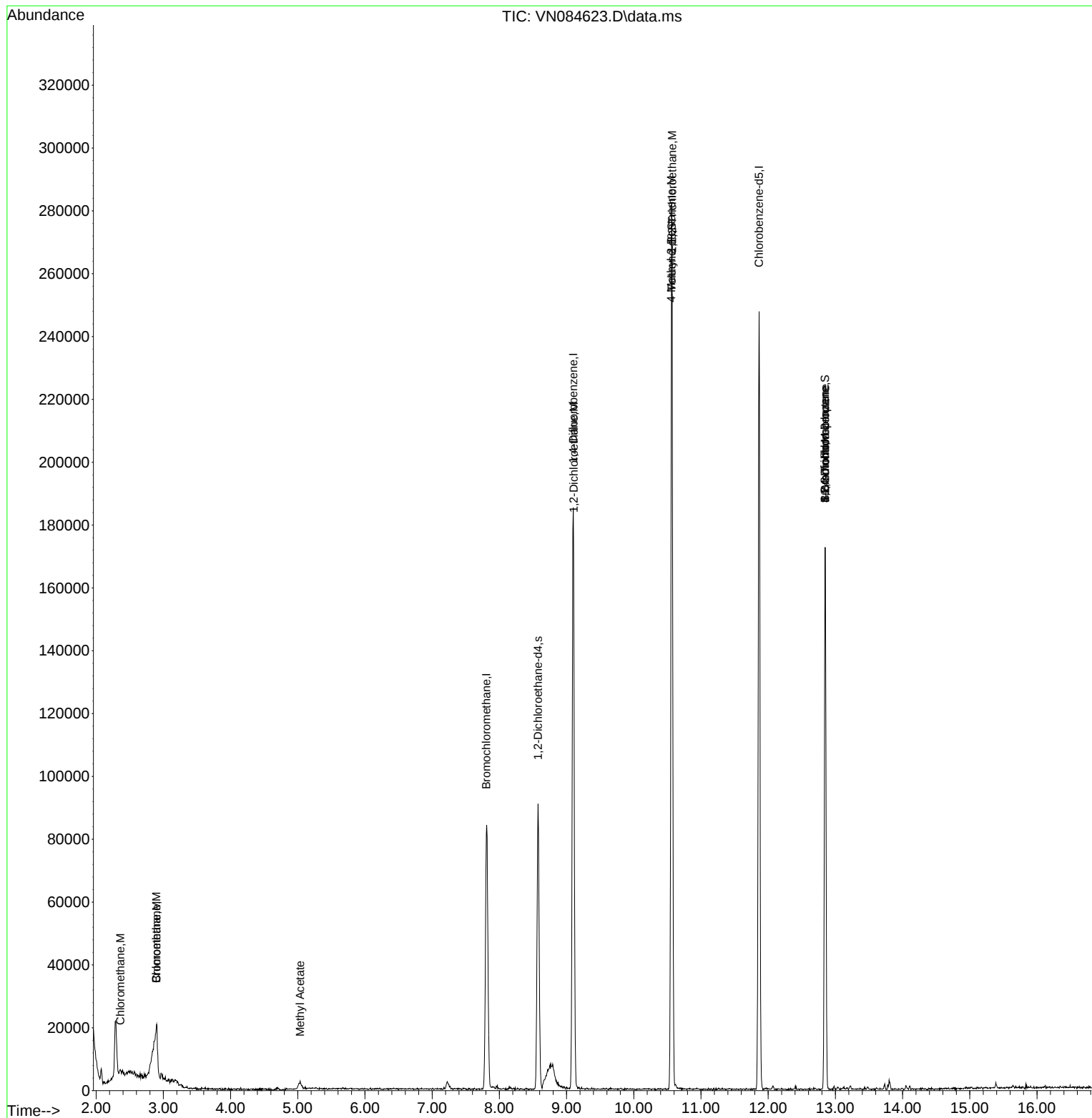
Internal Standards						
1) Bromochloromethane	7.806	128	30549	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	160545	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	142191	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	72870	29.671	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.900%		
60) 4-Bromofluorobenzene	12.847	95	61359	25.062	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	83.533%		
63) Toluene-d8	10.565	98	188693	28.032	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	93.433%		
Target Compounds						Qvalue
3) Chloromethane	2.359	50	574	0.268	ug/l #	43
5) Bromomethane	2.895	94	248	0.246	ug/l #	64
6) Chloroethane	2.895	64	943	0.723	ug/l	89
12) Methyl Acetate	5.036	43	4714	1.699	ug/l	91
36) 1,2-Dichloroethane	9.106	62	5703	2.146	ug/l #	74
50) 1,1,2-Trichloroethane	10.571	97	6514	3.608	ug/l #	1
56) Bromoform	12.847	173	300	0.212	ug/l #	1
58) 4-Methyl-2-Pentanone	10.559	43	474	0.211	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	31334	14.499	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	31334	35.352	ug/l #	7

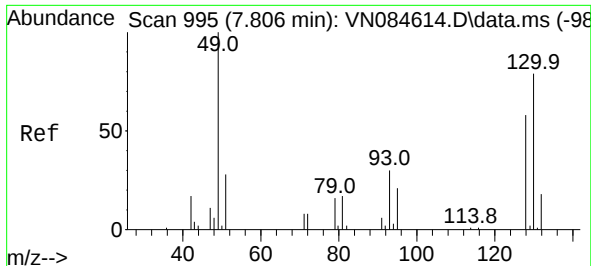
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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Quant Time: Nov 01 02:49:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:38:04 2024
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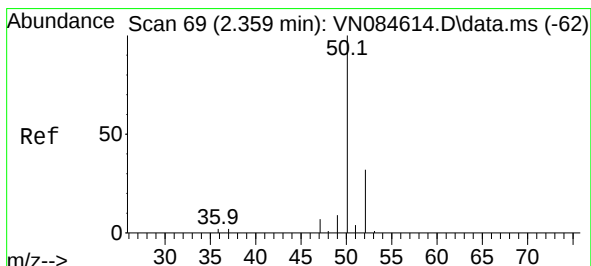
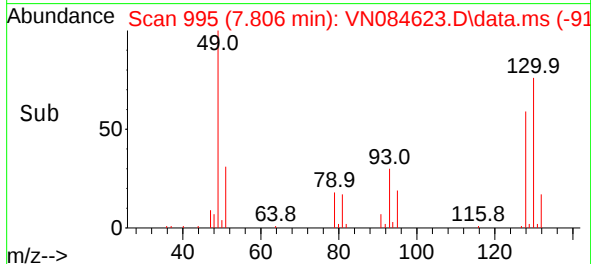
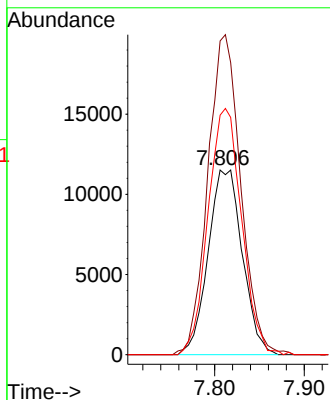
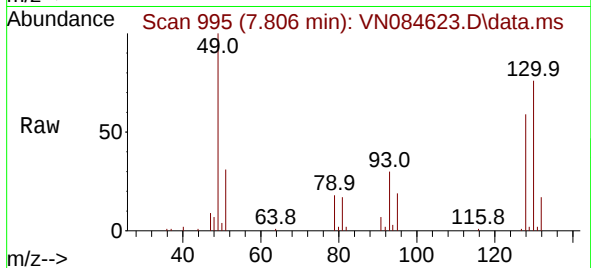




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.806 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN084623.D
Acq: 31 Oct 2024 17:01

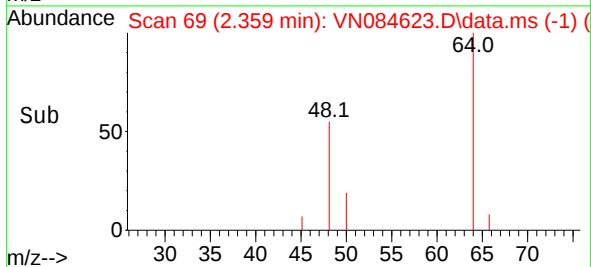
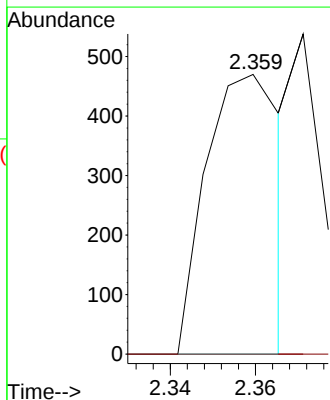
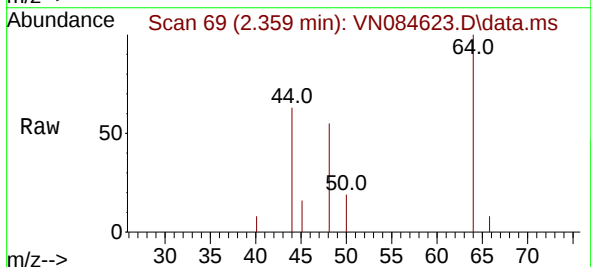
Instrument :
MSVOA_N
ClientSampleId :

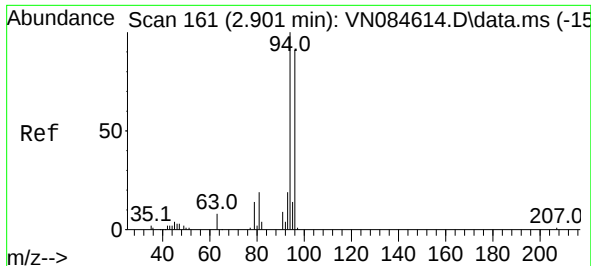
Tgt Ion:128 Resp: 30549
Ion Ratio Lower Upper
128 100
49 166.4 0.0 427.0
130 130.4 0.0 322.2



#3
Chloromethane
Concen: 0.268 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084623.D
Acq: 31 Oct 2024 17:01

Tgt Ion: 50 Resp: 574
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

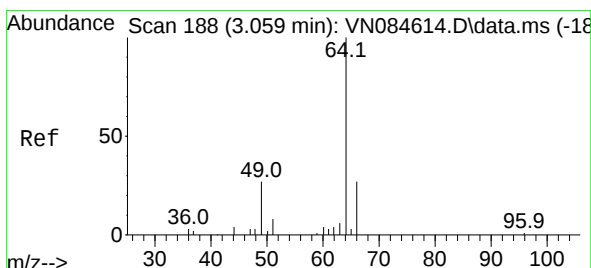
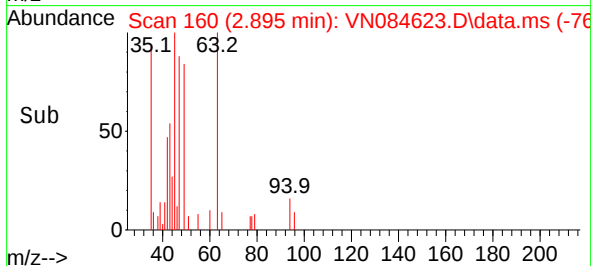
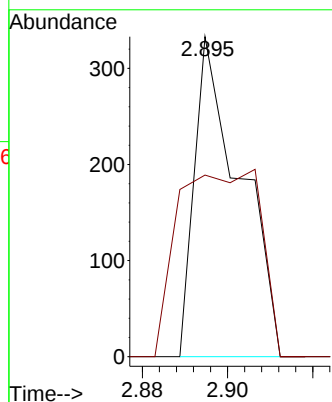
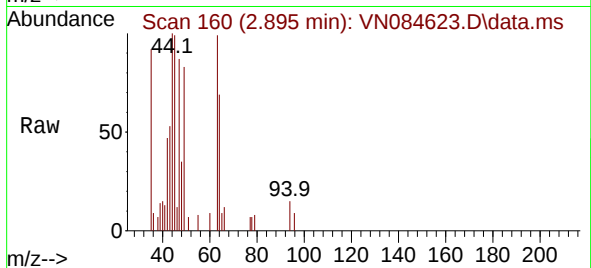




#5
Bromomethane
Concen: 0.246 ug/l
RT: 2.895 min Scan# 160
Delta R.T. -0.006 min
Lab File: VN084623.D
Acq: 31 Oct 2024 17:01

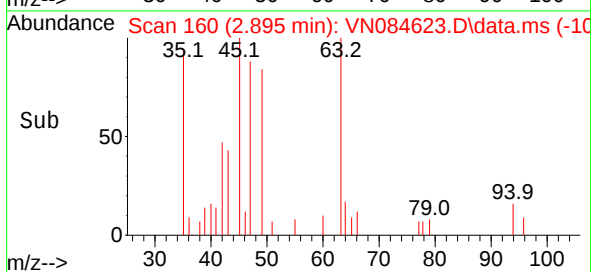
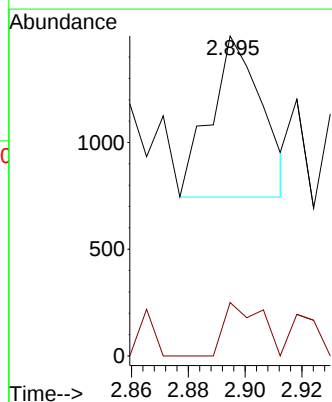
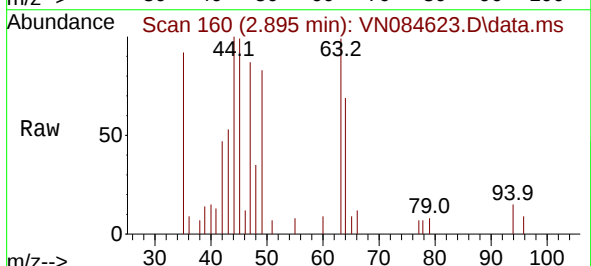
Instrument :
MSVOA_N
ClientSampleId :

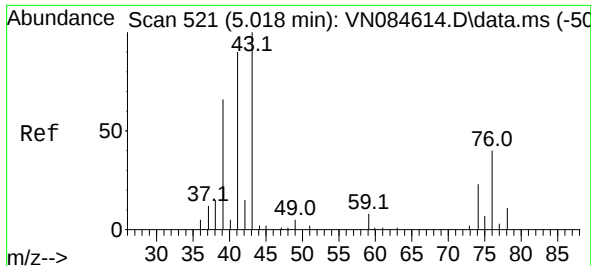
Tgt Ion: 94 Resp: 248
Ion Ratio Lower Upper
94 100
96 56.8 72.7 109.1#



#6
Chloroethane
Concen: 0.723 ug/l
RT: 2.895 min Scan# 160
Delta R.T. -0.165 min
Lab File: VN084623.D
Acq: 31 Oct 2024 17:01

Tgt Ion: 64 Resp: 943
Ion Ratio Lower Upper
64 100
66 33.1 22.1 33.1





#12

Methyl Acetate

Concen: 1.699 ug/l

RT: 5.036 min Scan# 51

Delta R.T. 0.018 min

Lab File: VN084623.D

Acq: 31 Oct 2024 17:01

Instrument :

MSVOA_N

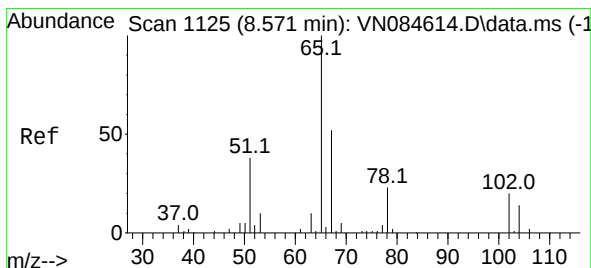
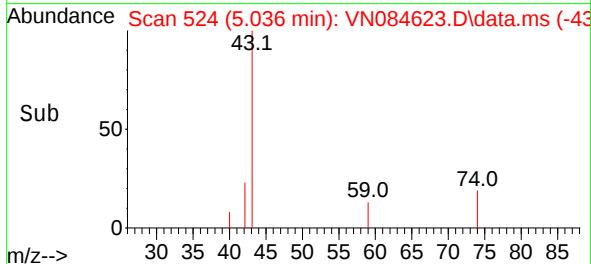
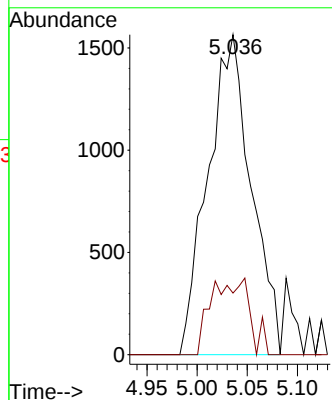
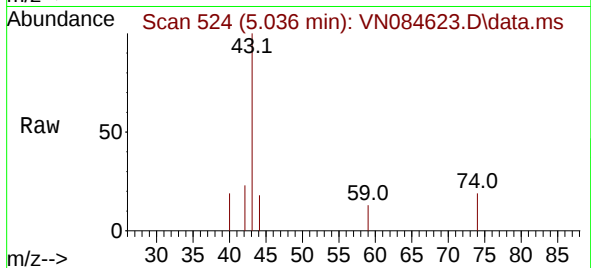
ClientSampleId :

Tgt Ion: 43 Resp: 4714

Ion Ratio Lower Upper

43 100

74 19.2 19.0 28.4



#27

1,2-Dichloroethane-d4

Concen: 29.671 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN084623.D

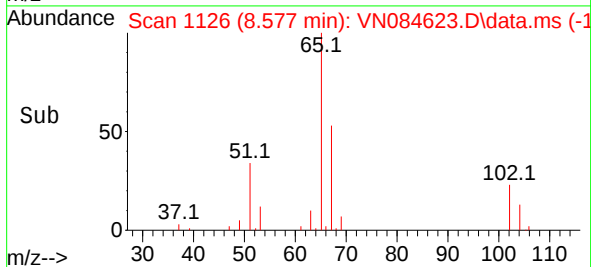
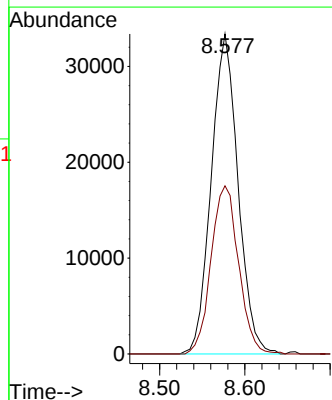
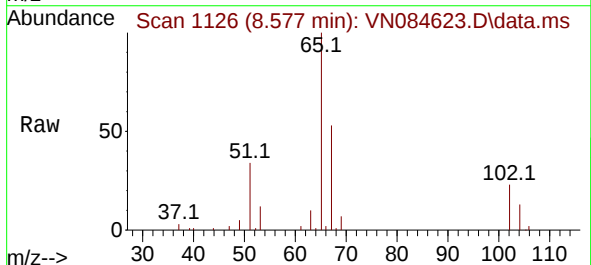
Acq: 31 Oct 2024 17:01

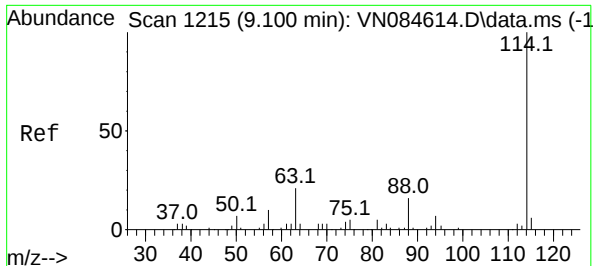
Tgt Ion: 65 Resp: 72870

Ion Ratio Lower Upper

65 100

67 54.0 40.7 61.1

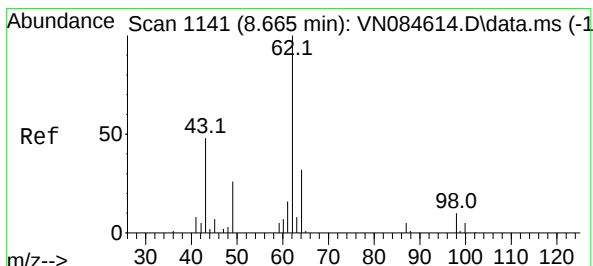
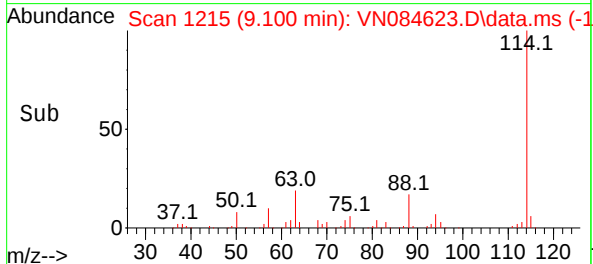
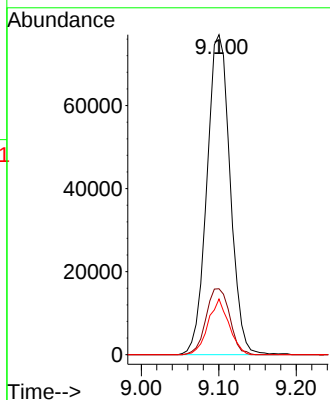
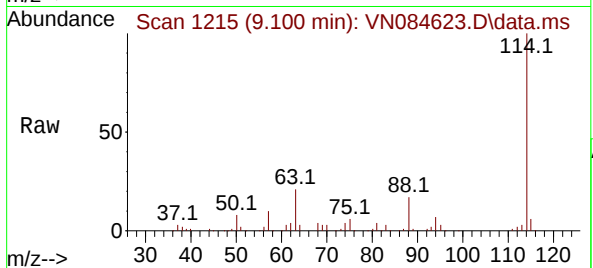




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084623.D
Acq: 31 Oct 2024 17:01

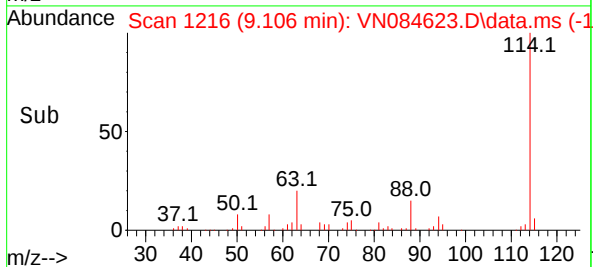
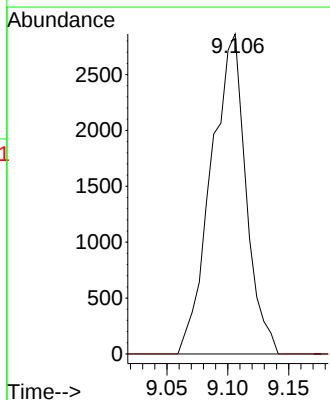
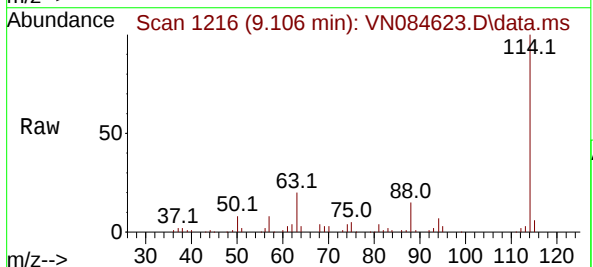
Instrument :
MSVOA_N
ClientSampleId :

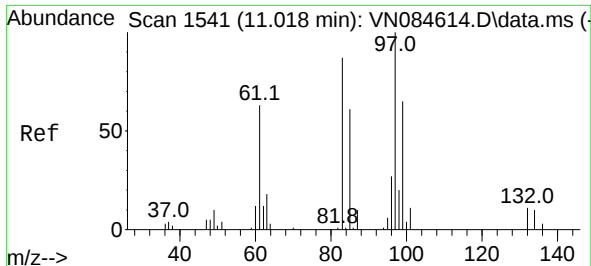
Tgt Ion:114 Resp: 160545
Ion Ratio Lower Upper
114 100
63 21.0 16.8 25.2
88 15.6 12.9 19.3



#36
1,2-Dichloroethane
Concen: 2.146 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.441 min
Lab File: VN084623.D
Acq: 31 Oct 2024 17:01

Tgt Ion: 62 Resp: 5703
Ion Ratio Lower Upper
62 100
98 0.0 7.8 11.6#





#50

1,1,2-Trichloroethane

Concen: 3.608 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.447 min

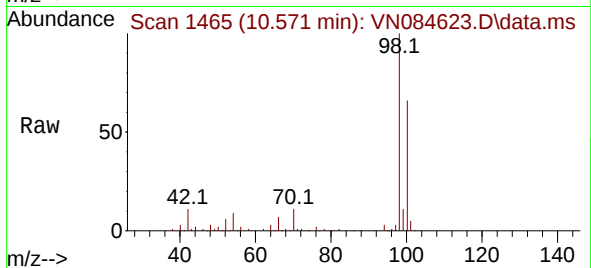
Lab File: VN084623.D

Acq: 31 Oct 2024 17:01

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 97 Resp: 6514

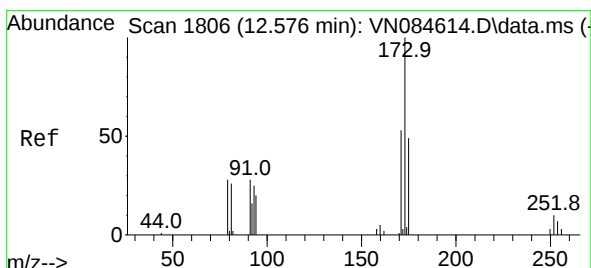
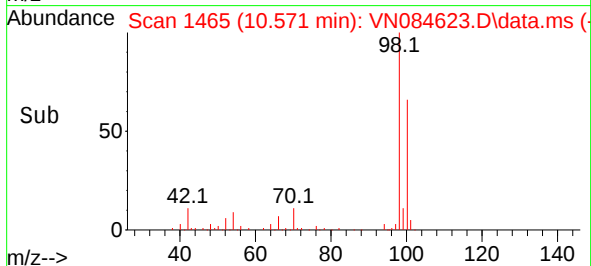
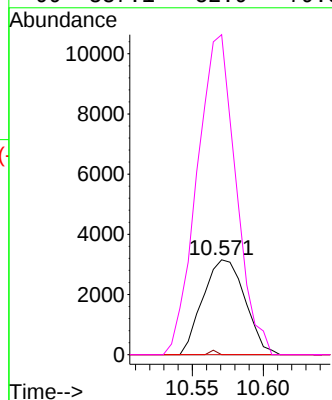
Ion Ratio Lower Upper

97 100

83 0.0 69.8 104.8#

85 0.0 48.6 73.0#

99 337.1 52.9 79.3#



#56

Bromoform

Concen: 0.212 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.271 min

Lab File: VN084623.D

Acq: 31 Oct 2024 17:01

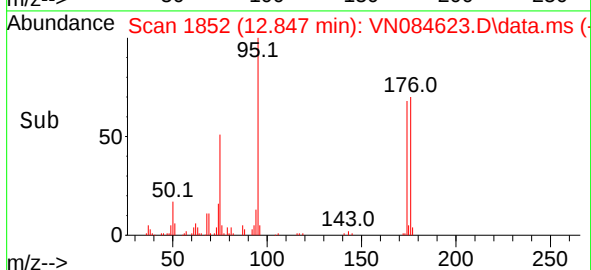
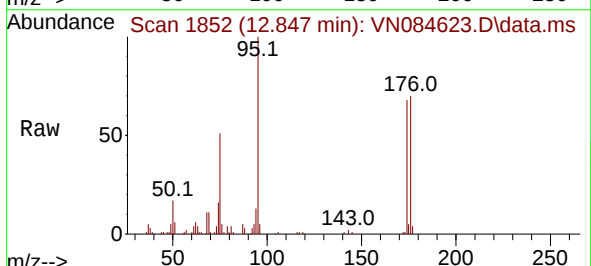
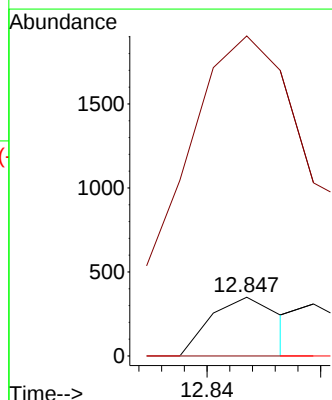
Tgt Ion:173 Resp: 300

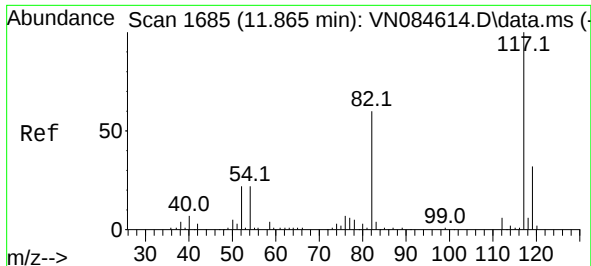
Ion Ratio Lower Upper

173 100

175 1096.3 39.4 59.2#

254 0.0 6.4 9.6#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN084623.D

Acq: 31 Oct 2024 17:01

Instrument :

MSVOA_N

ClientSampleId :

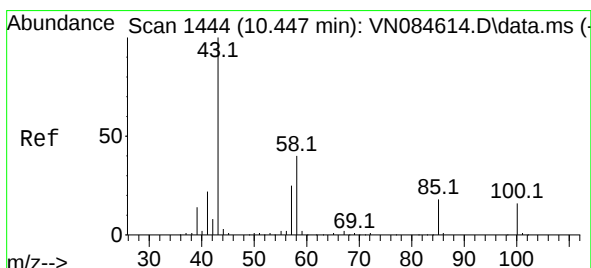
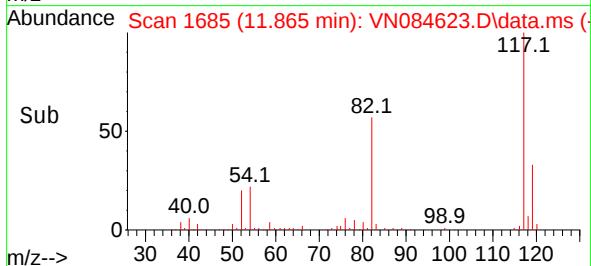
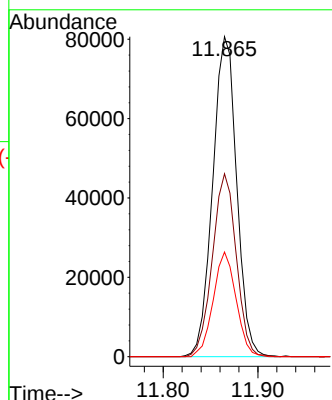
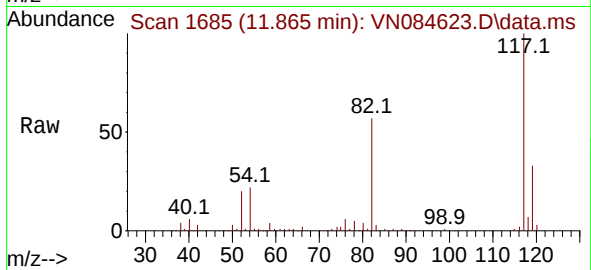
Tgt Ion:117 Resp: 142191

Ion Ratio Lower Upper

117 100

82 56.9 45.5 68.3

119 31.2 25.3 37.9



#58

4-Methyl-2-Pentanone

Concen: 0.211 ug/l

RT: 10.559 min Scan# 1463

Delta R.T. 0.112 min

Lab File: VN084623.D

Acq: 31 Oct 2024 17:01

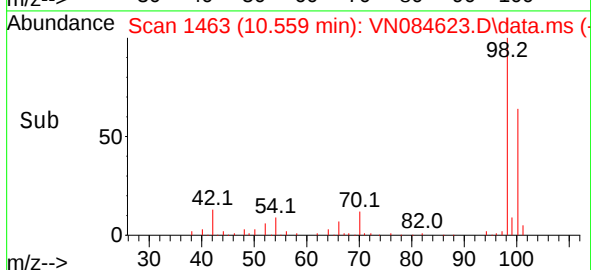
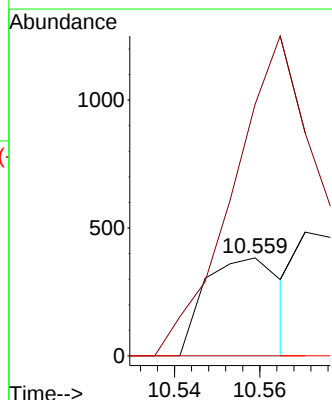
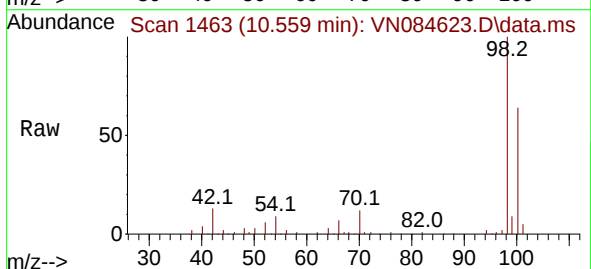
Tgt Ion: 43 Resp: 474

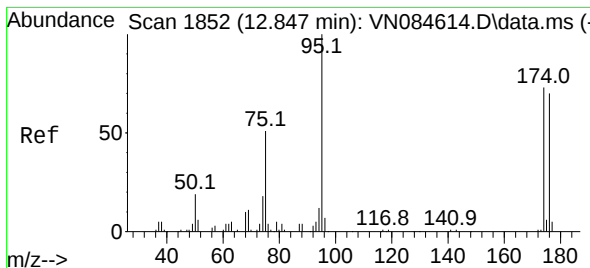
Ion Ratio Lower Upper

43 100

58 375.1 31.2 46.8#

85 0.0 14.9 22.3#

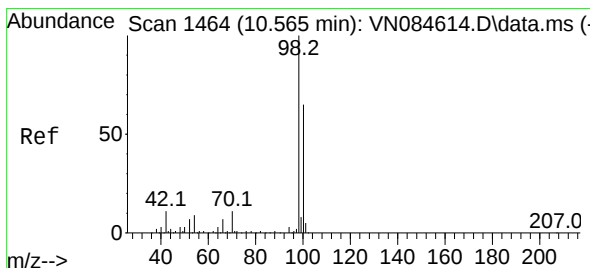
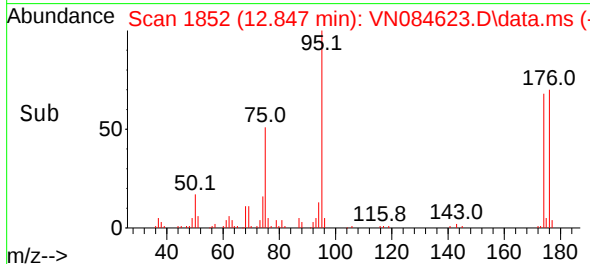
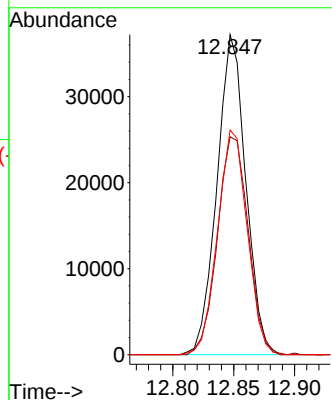
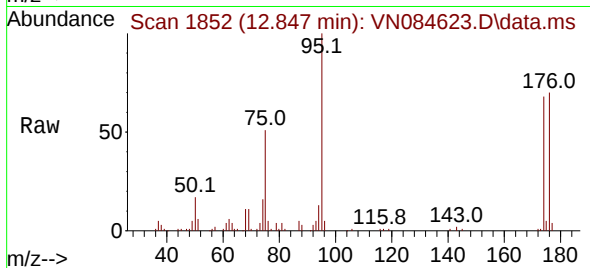




#60
4-Bromofluorobenzene
Concen: 25.062 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084623.D
Acq: 31 Oct 2024 17:01

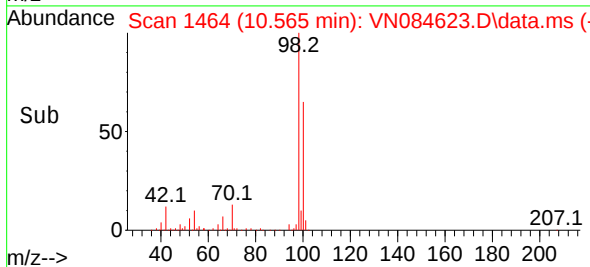
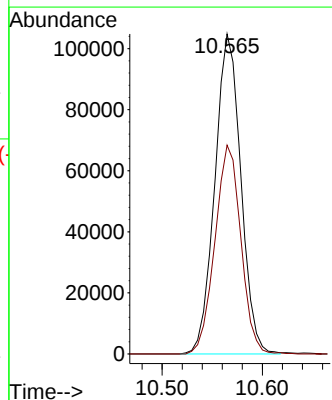
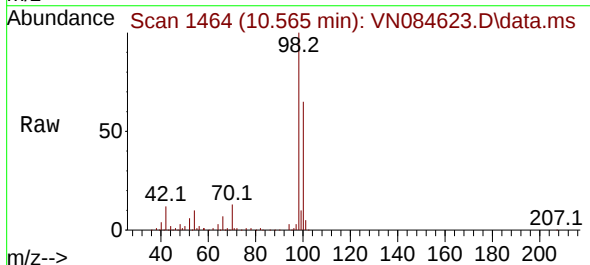
Instrument :
MSVOA_N
ClientSampleId :

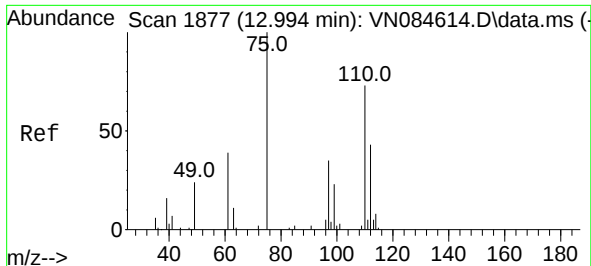
Tgt Ion: 95 Resp: 61359
Ion Ratio Lower Upper
95 100
174 72.8 59.6 89.4
176 72.1 58.6 88.0



#63
Toluene-d8
Concen: 28.032 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084623.D
Acq: 31 Oct 2024 17:01

Tgt Ion: 98 Resp: 188693
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.2





#72

1,2,3-Trichloropropane

Concen: 14.499 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN084623.D

Acq: 31 Oct 2024 17:01

Instrument :

MSVOA_N

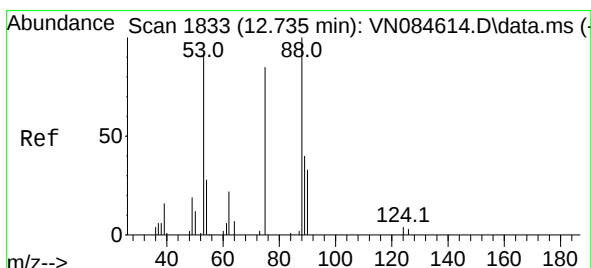
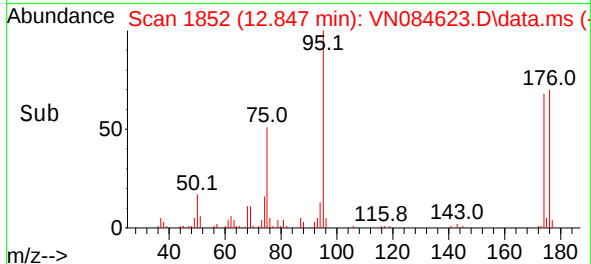
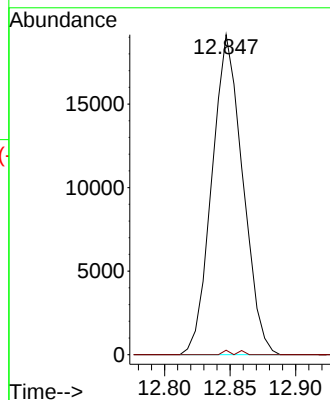
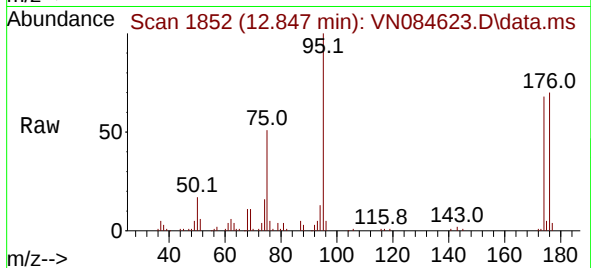
ClientSampleId :

Tgt Ion: 75 Resp: 31334

Ion Ratio Lower Upper

75 100

77 0.3 0.0 358.4



#77

t-1,4-Dichloro-2-butene

Concen: 35.352 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN084623.D

Acq: 31 Oct 2024 17:01

Tgt Ion: 75 Resp: 31334

Ion Ratio Lower Upper

75 100

53 0.0 52.4 157.2#

89 0.0 26.0 78.0#

