

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121624\
 Data File : VN085214.D
 Acq On : 16 Dec 2024 13:09
 Operator : JC\MD
 Sample : P5283-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 17 02:00:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 06 22:50:42 2024
 Response via : Initial Calibration

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

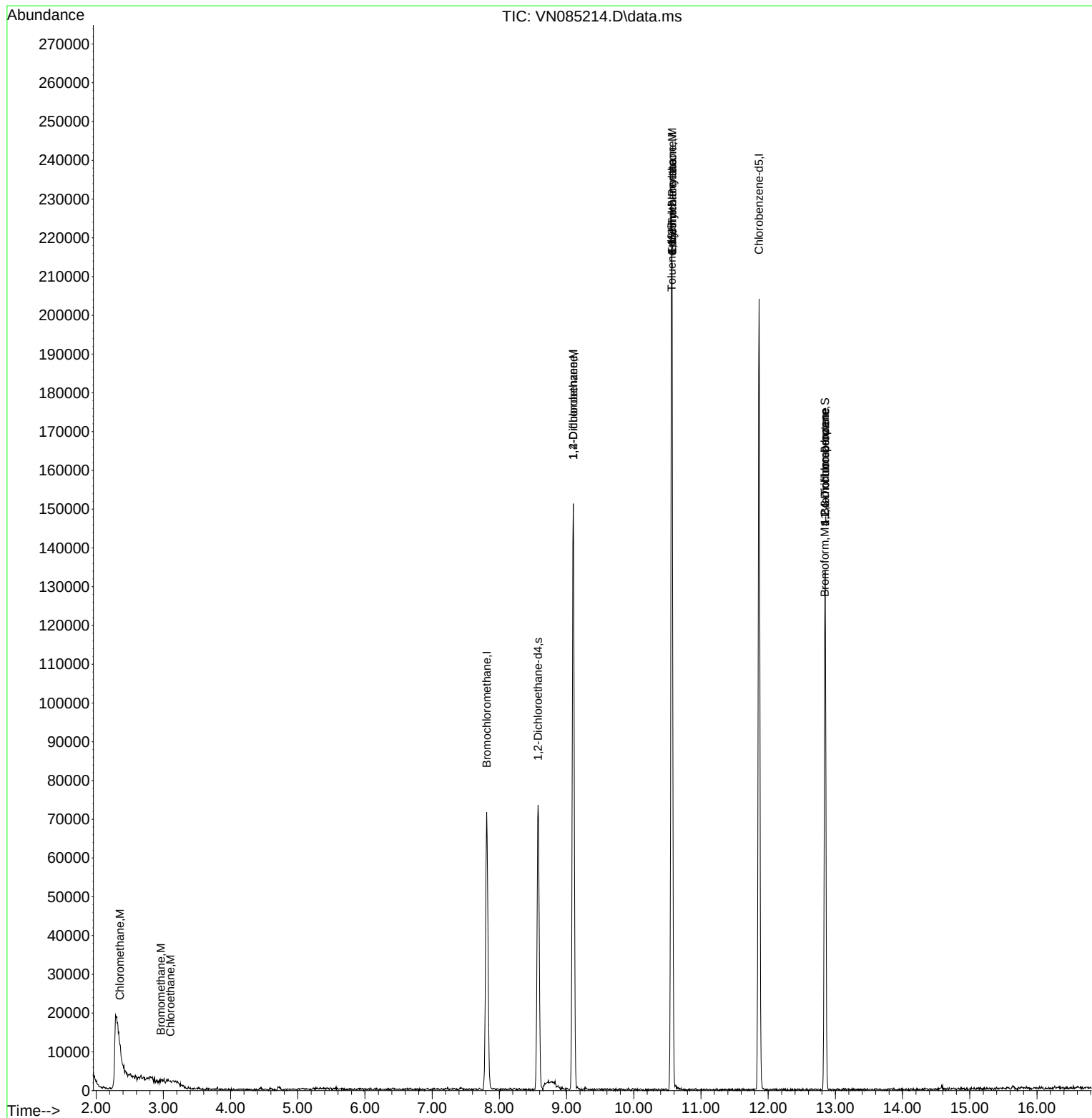
Internal Standards						
1) Bromochloromethane	7.812	128	24766	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	129916	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	118401	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	63566	32.347	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	107.833%
60) 4-Bromofluorobenzene	12.847	95	48481	24.747	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	82.500%
63) Toluene-d8	10.565	98	155109	27.928	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	93.100%
Target Compounds						
					Qvalue	
3) Chloromethane	2.354	50	860	0.490	ug/l #	43
5) Bromomethane	2.965	94	274	0.241	ug/l #	2
6) Chloroethane	3.106	64	1065	0.966	ug/l #	43
36) 1,2-Dichloroethane	9.100	62	4725	2.108	ug/l #	75
50) 1,1,2-Trichloroethane	10.571	97	5328	3.456	ug/l #	1
51) Ethyl methacrylate	10.571	69	494	0.211	ug/l #	67
56) Bromoform	12.841	173	257	0.204	ug/l #	1
58) 4-Methyl-2-Pentanone	10.571	43	757	0.392	ug/l #	28
72) 1,2,3-Trichloropropane	12.847	75	24705	12.036	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	24705	33.124	ug/l #	10

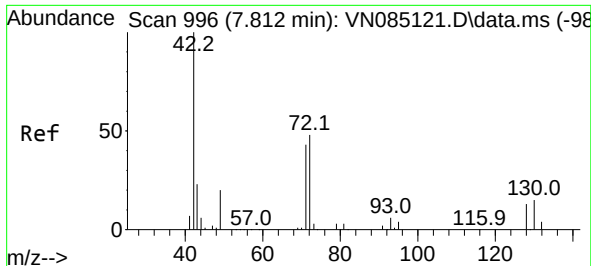
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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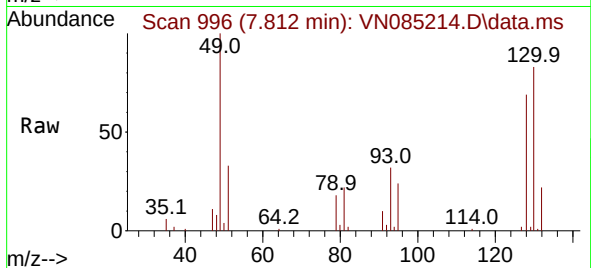
Quant Time: Dec 17 02:00:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
Response via : Initial Calibration



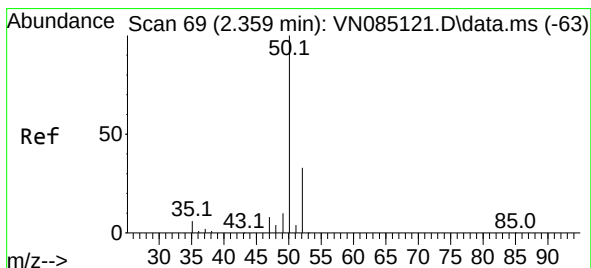
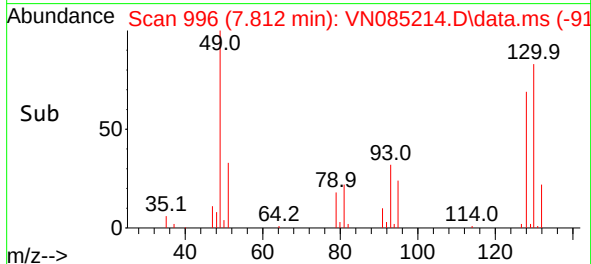
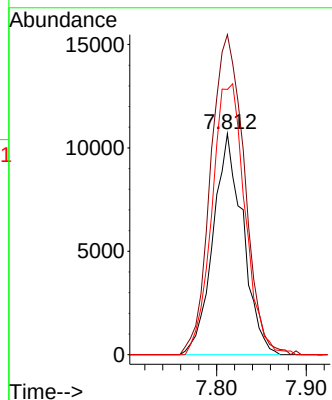


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN085214.D
Acq: 16 Dec 2024 13:09

Instrument :
MSVOA_N
ClientSampleId :

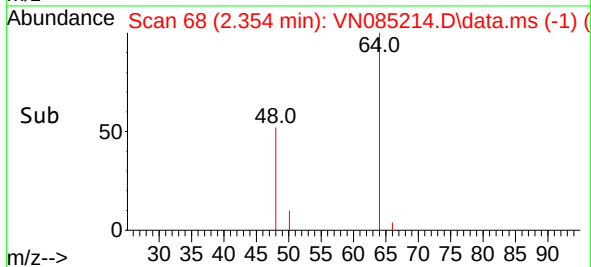
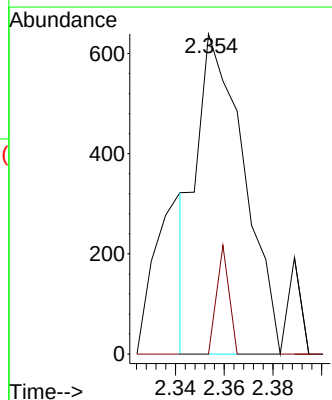
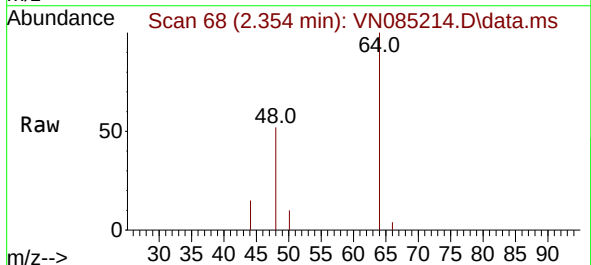


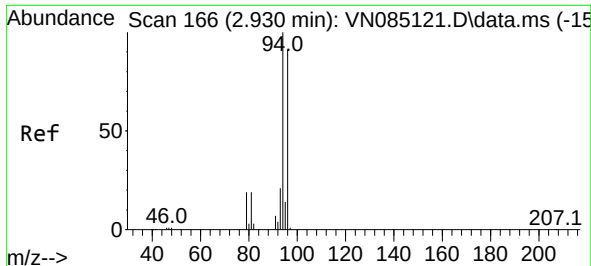
Tgt Ion:128 Resp: 24766
Ion Ratio Lower Upper
128 100
49 163.0 0.0 394.5
130 135.2 0.0 316.5



#3
Chloromethane
Concen: 0.490 ug/l
RT: 2.354 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN085214.D
Acq: 16 Dec 2024 13:09

Tgt Ion: 50 Resp: 860
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

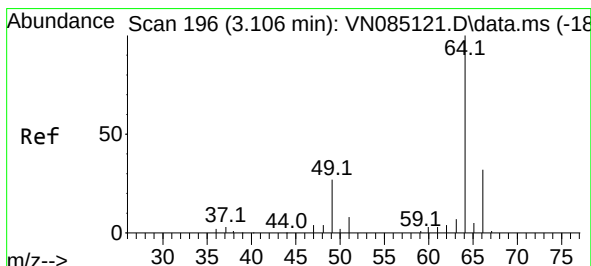
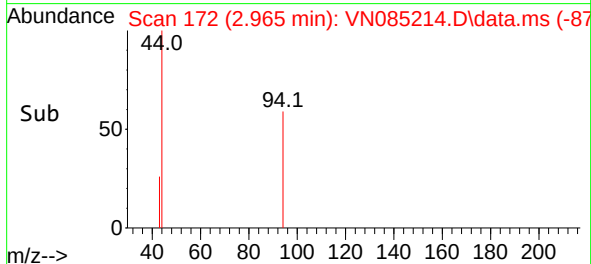
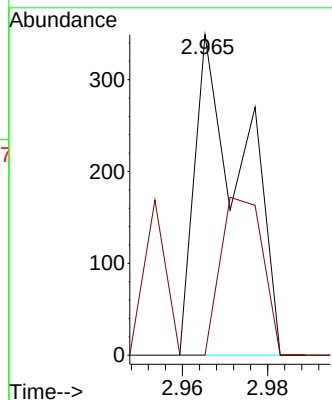
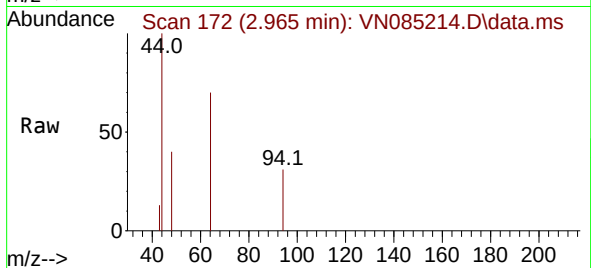




#5
Bromomethane
Concen: 0.241 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085214.D
Acq: 16 Dec 2024 13:09

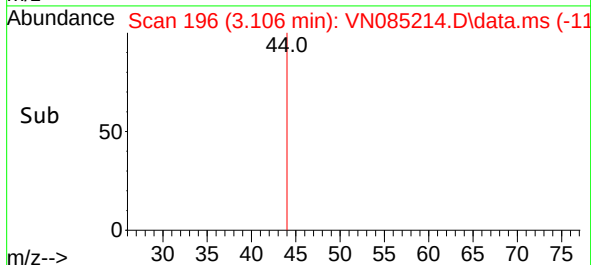
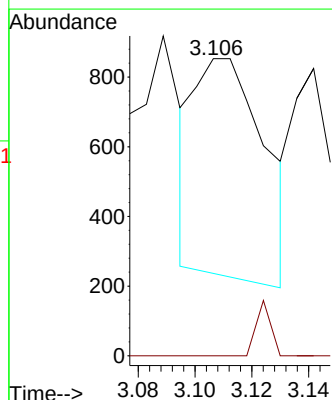
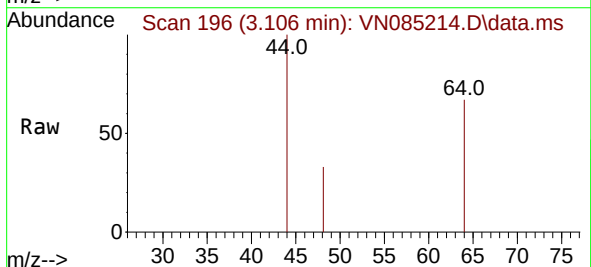
Instrument :
MSVOA_N
ClientSampleId :

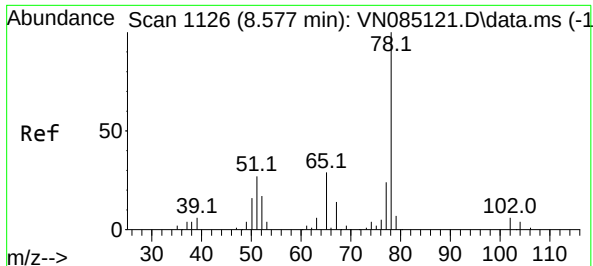
Tgt Ion: 94 Resp: 274
Ion Ratio Lower Upper
94 100
96 0.0 76.2 114.4#



#6
Chloroethane
Concen: 0.966 ug/l
RT: 3.106 min Scan# 196
Delta R.T. -0.018 min
Lab File: VN085214.D
Acq: 16 Dec 2024 13:09

Tgt Ion: 64 Resp: 1065
Ion Ratio Lower Upper
64 100
66 0.0 25.5 38.3#





#27

1,2-Dichloroethane-d4

Concen: 32.347 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN085214.D

Acq: 16 Dec 2024 13:09

Instrument :

MSVOA_N

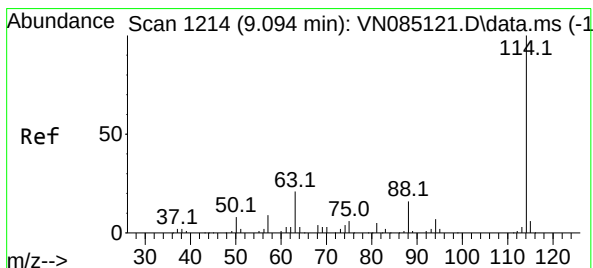
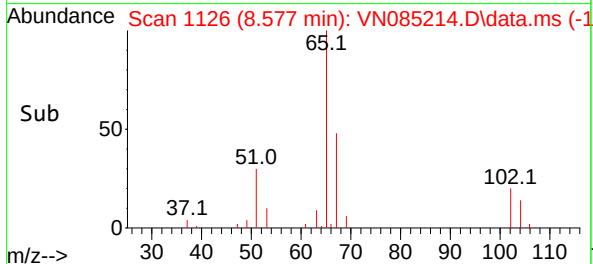
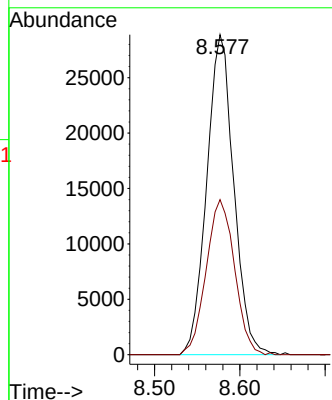
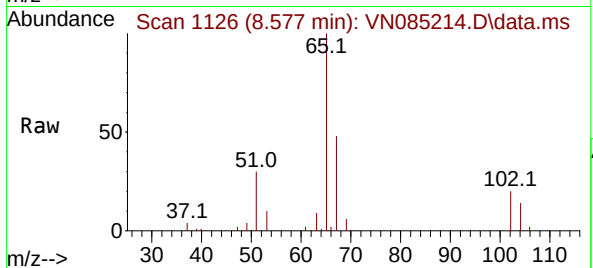
ClientSampleId :

Tgt Ion: 65 Resp: 63566

Ion Ratio Lower Upper

65 100

67 50.8 39.9 59.9



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN085214.D

Acq: 16 Dec 2024 13:09

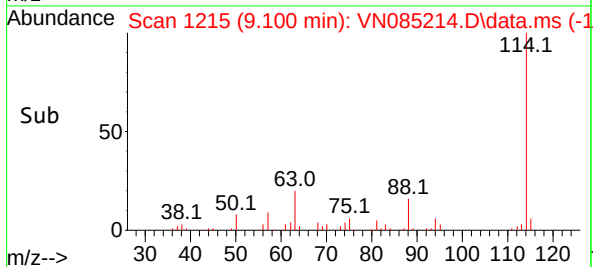
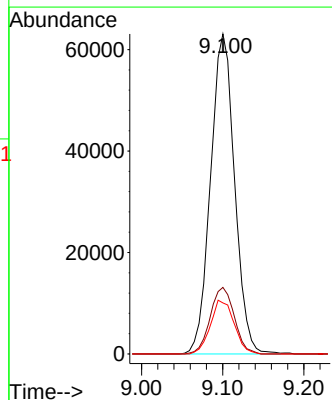
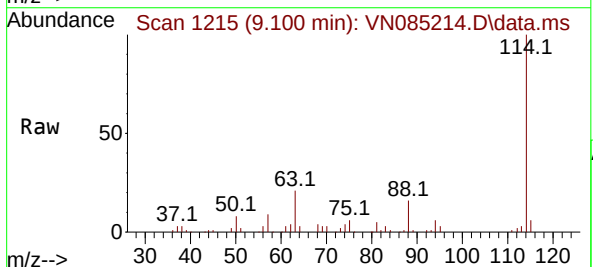
Tgt Ion: 114 Resp: 129916

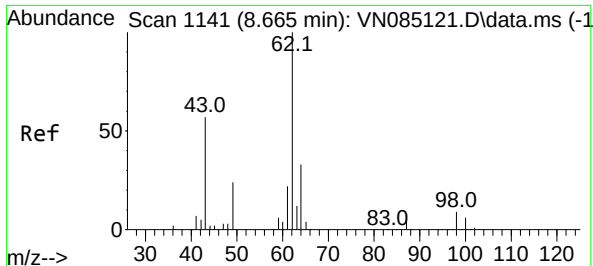
Ion Ratio Lower Upper

114 100

63 20.8 16.2 24.2

88 16.6 12.5 18.7

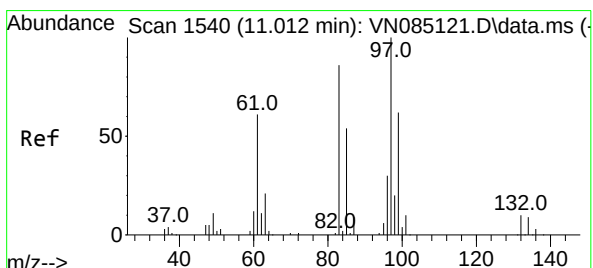
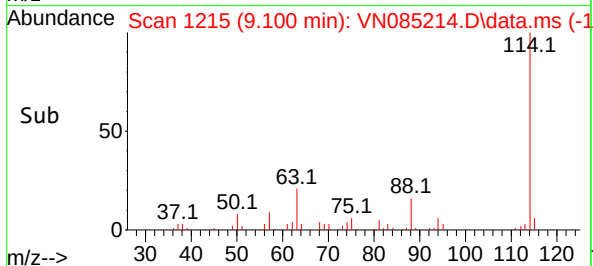
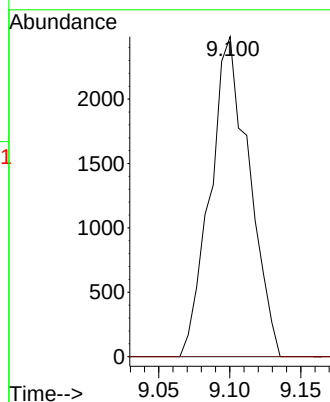
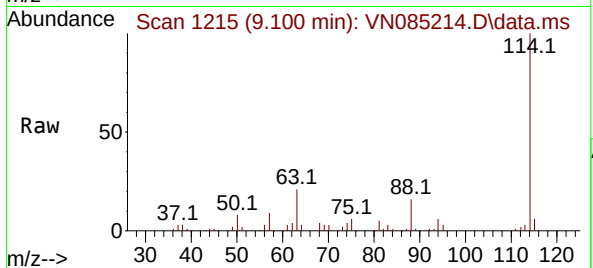




#36
 1,2-Dichloroethane
 Concen: 2.108 ug/l
 RT: 9.100 min Scan# 1141
 Delta R.T. 0.435 min
 Lab File: VN085214.D
 Acq: 16 Dec 2024 13:09

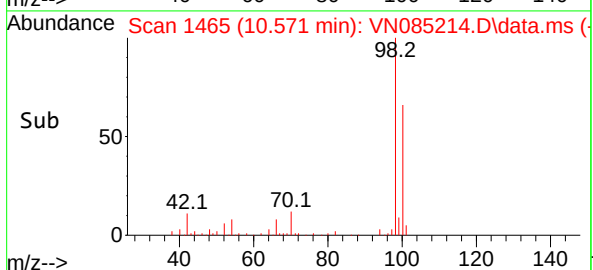
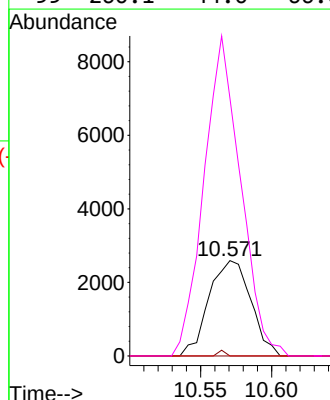
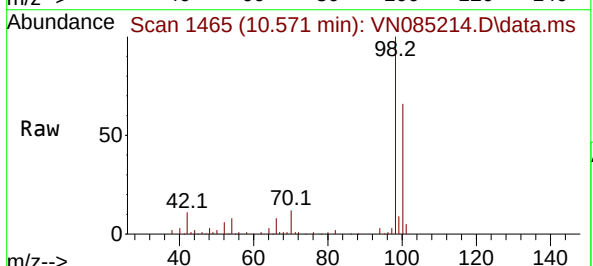
Instrument :
 MSVOA_N
 ClientSampleId :

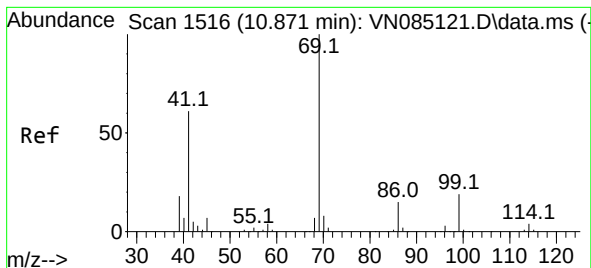
Tgt Ion: 62 Resp: 4725
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.3 10.9#



#50
 1,1,2-Trichloroethane
 Concen: 3.456 ug/l
 RT: 10.571 min Scan# 1465
 Delta R.T. -0.441 min
 Lab File: VN085214.D
 Acq: 16 Dec 2024 13:09

Tgt Ion: 97 Resp: 5328
 Ion Ratio Lower Upper
 97 100
 83 0.0 65.8 98.8#
 85 0.0 40.8 61.2#
 99 260.1 44.0 66.0#

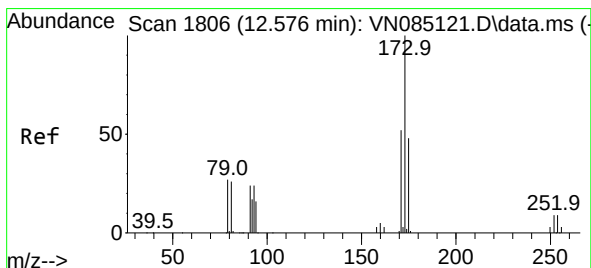
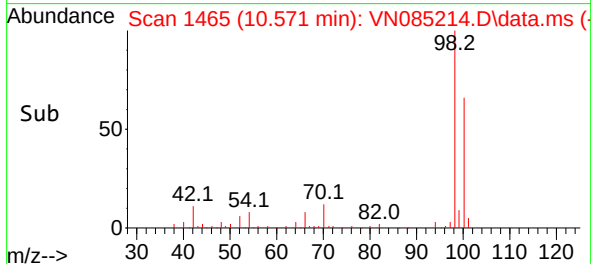
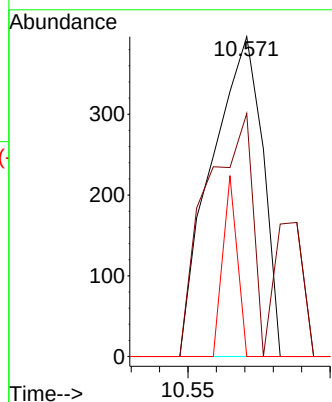
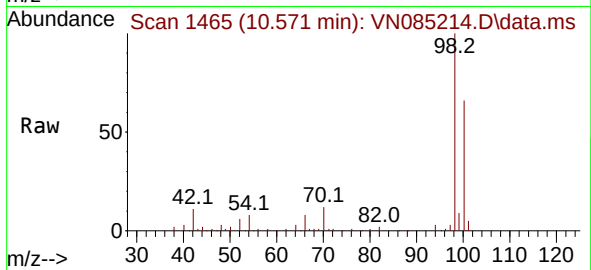




#51
Ethyl methacrylate
Concen: 0.211 ug/l
RT: 10.571 min Scan# 14
Delta R.T. -0.300 min
Lab File: VN085214.D
Acq: 16 Dec 2024 13:09

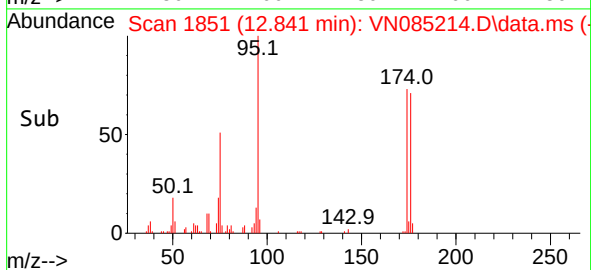
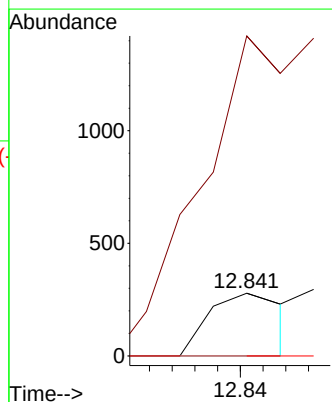
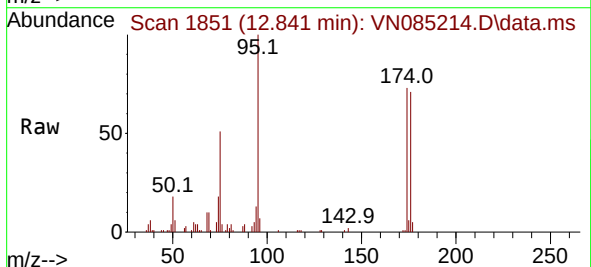
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MSVOA_N
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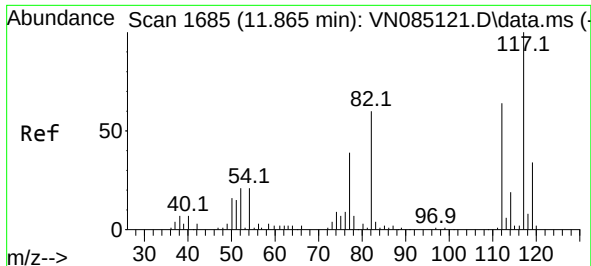
Tgt Ion: 69 Resp: 494
Ion Ratio Lower Upper
69 100
41 76.0 32.1 96.3
39 0.0 18.8 56.4#



#56
Bromoform
Concen: 0.204 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN085214.D
Acq: 16 Dec 2024 13:09

Tgt Ion:173 Resp: 257
Ion Ratio Lower Upper
173 100
175 993.4 40.2 60.2#
254 0.0 6.2 9.4#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN085214.D

Acq: 16 Dec 2024 13:09

Instrument :

MSVOA_N

ClientSampleId :

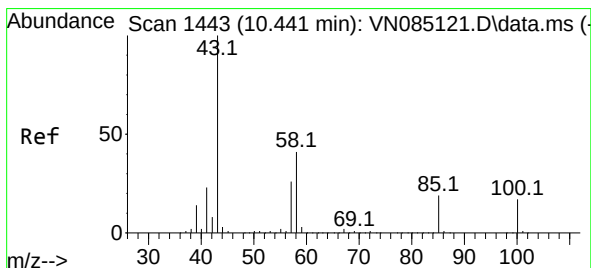
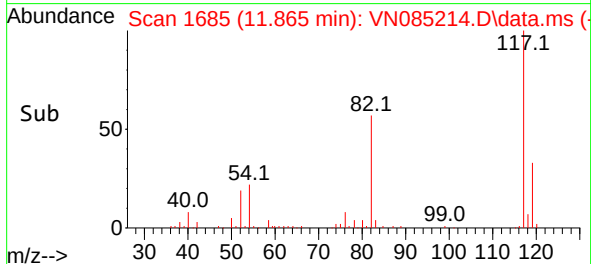
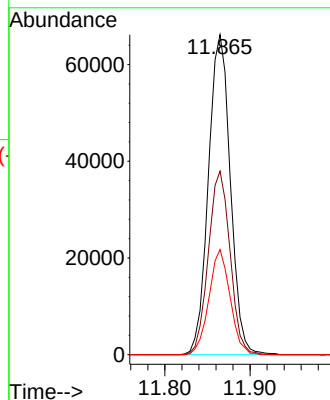
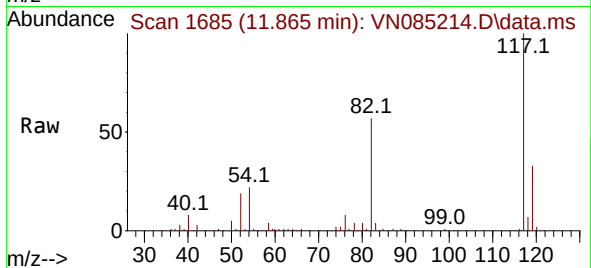
Tgt Ion:117 Resp: 118401

Ion Ratio Lower Upper

117 100

82 56.6 44.2 66.4

119 31.6 25.4 38.2



#58

4-Methyl-2-Pentanone

Concen: 0.392 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.130 min

Lab File: VN085214.D

Acq: 16 Dec 2024 13:09

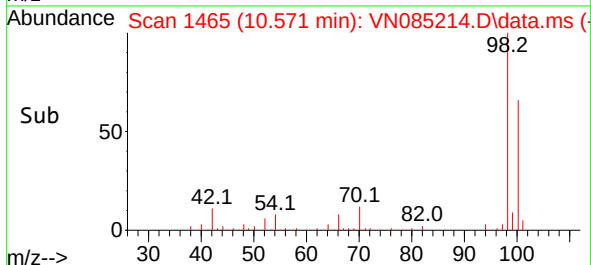
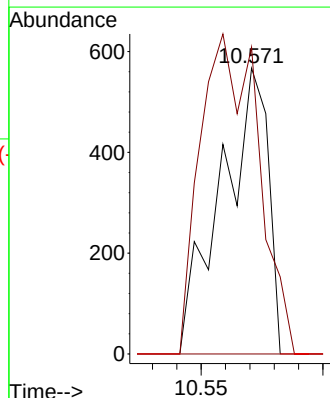
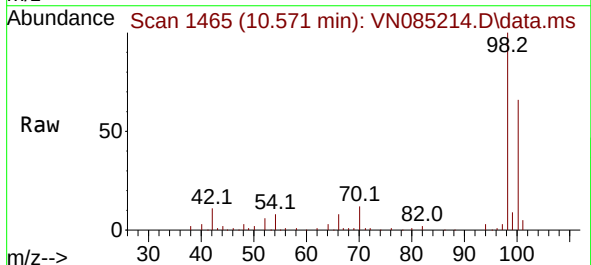
Tgt Ion: 43 Resp: 757

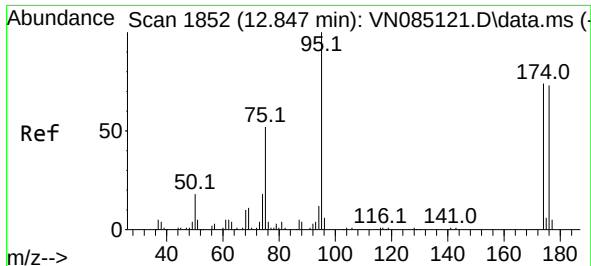
Ion Ratio Lower Upper

43 100

58 92.7 31.6 47.4#

85 0.0 15.0 22.6#

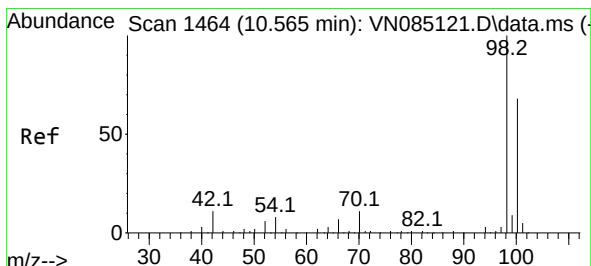
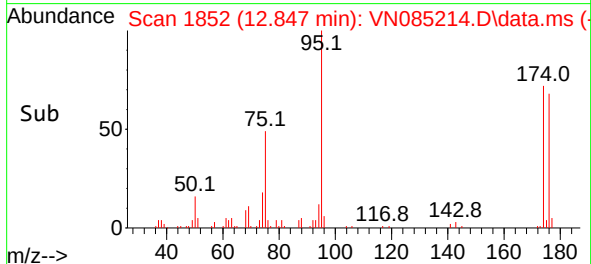
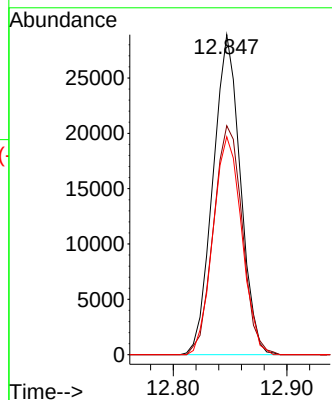
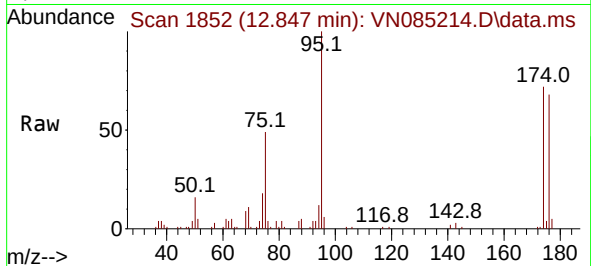




#60
4-Bromofluorobenzene
Concen: 24.747 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085214.D
Acq: 16 Dec 2024 13:09

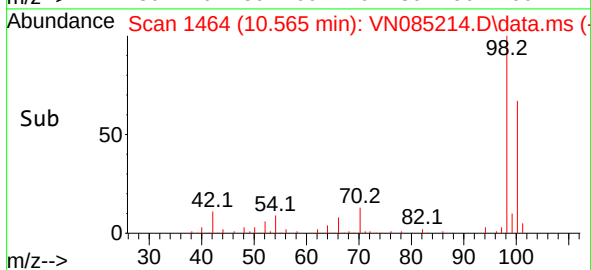
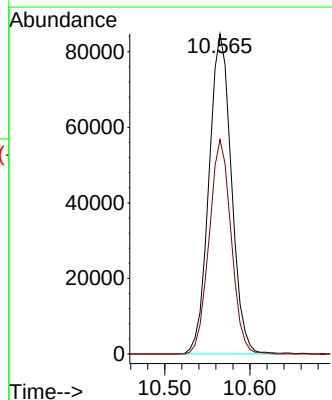
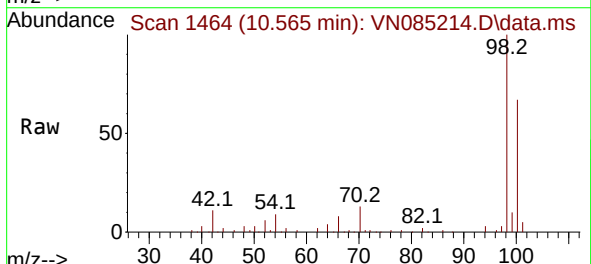
Instrument :
MSVOA_N
ClientSampleId :

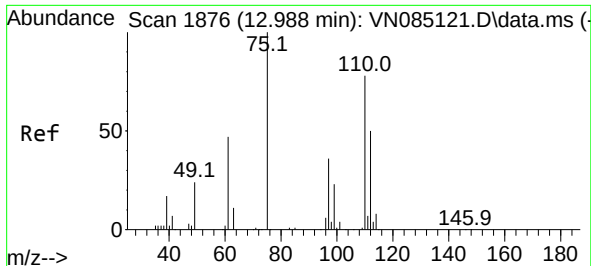
Tgt Ion: 95 Resp: 48481
Ion Ratio Lower Upper
95 100
174 75.2 60.3 90.5
176 71.4 57.4 86.0



#63
Toluene-d8
Concen: 27.928 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085214.D
Acq: 16 Dec 2024 13:09

Tgt Ion: 98 Resp: 155109
Ion Ratio Lower Upper
98 100
100 65.5 52.0 78.0

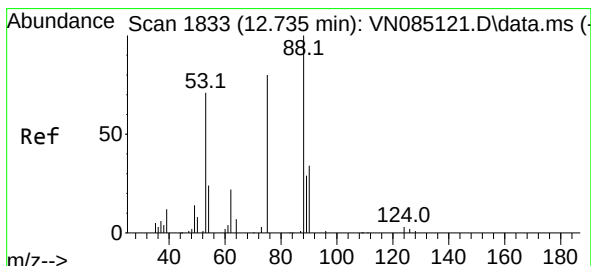
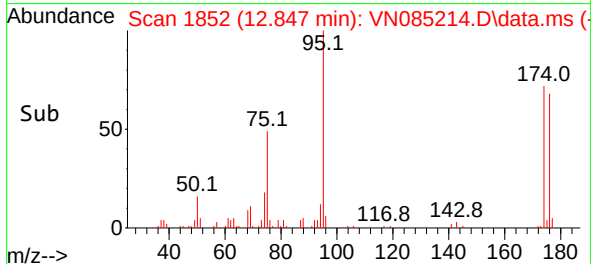
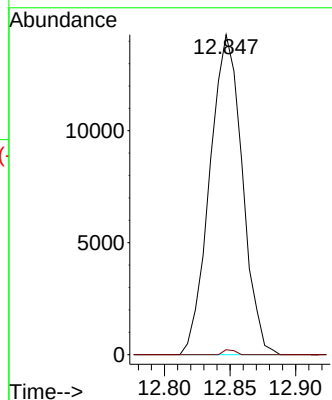
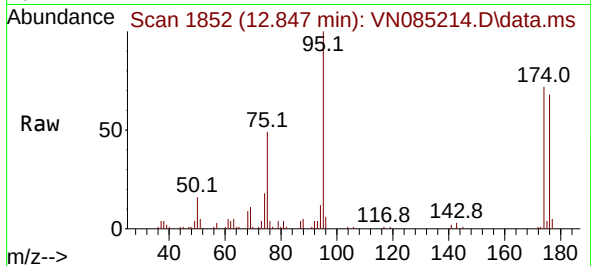




#72
1,2,3-Trichloropropane
Concen: 12.036 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN085214.D
Acq: 16 Dec 2024 13:09

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 24705
Ion Ratio Lower Upper
75 100
77 0.6 0.0 339.0



#77
t-1,4-Dichloro-2-butene
Concen: 33.124 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085214.D
Acq: 16 Dec 2024 13:09

Tgt Ion: 75 Resp: 24705
Ion Ratio Lower Upper
75 100
53 0.0 49.1 147.3#
89 0.0 22.9 68.5#

