

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
 Data File : VN084517.D
 Acq On : 25 Oct 2024 15:39
 Operator : JC\MD
 Sample : P4549-04 4X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-069-IDWGW-20241024

Quant Time: Oct 26 05:31:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 09 02:22:28 2024
 Response via : Initial Calibration

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

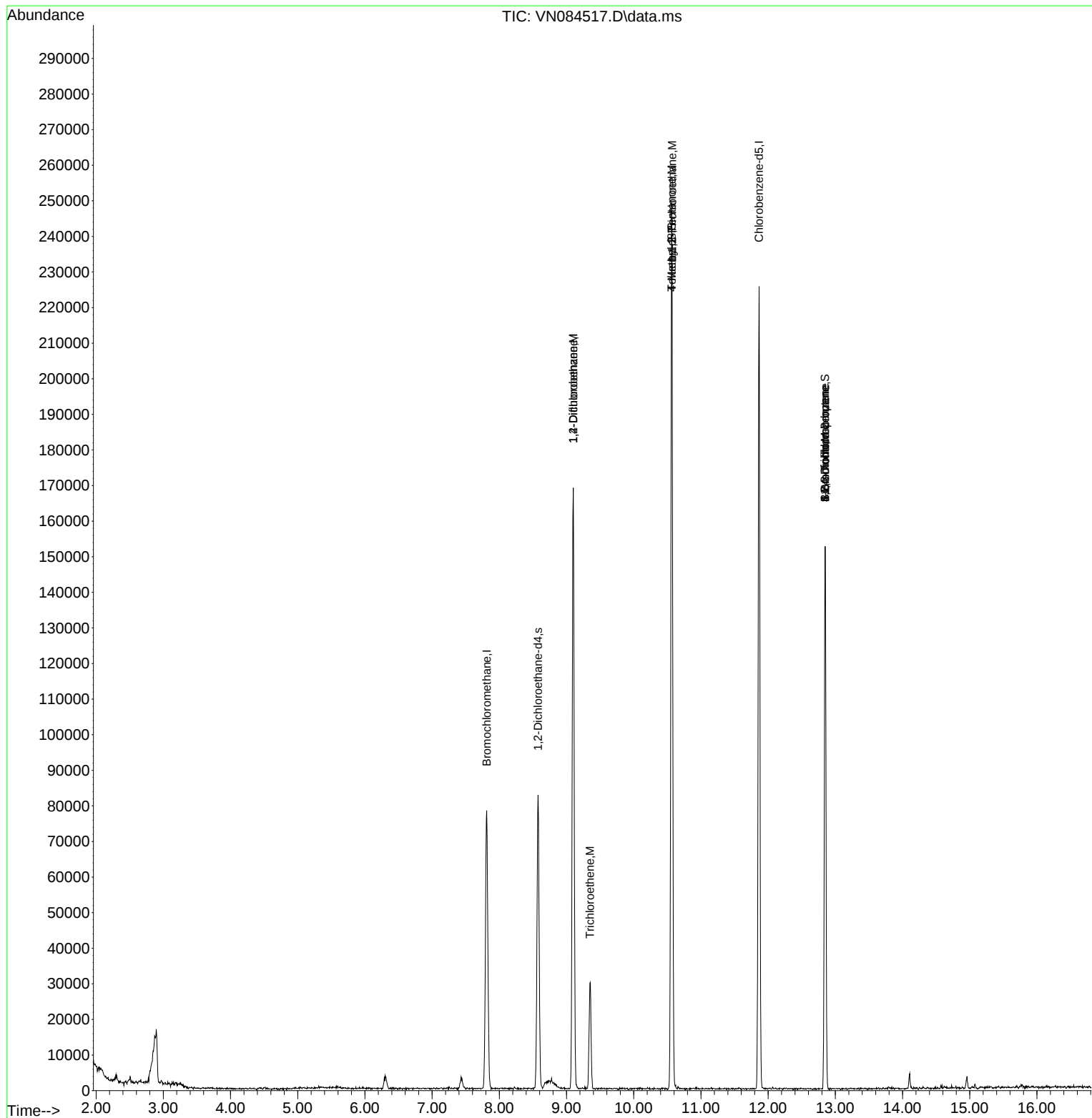
Internal Standards						
1) Bromochloromethane	7.812	128	27891	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	142505	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	128076	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	68128	30.340	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.133%
60) 4-Bromofluorobenzene	12.847	95	54597	25.829	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	86.100%
63) Toluene-d8	10.565	98	172511	29.075	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.900%
Target Compounds						
					Qvalue	
36) 1,2-Dichloroethane	9.100	62	5137	2.105	ug/l #	75
37) Trichloroethene	9.347	130	11025	6.538	ug/l	83
50) 1,1,2-Trichloroethane	10.571	97	5970	3.559	ug/l #	1
56) Bromoform	12.847	173	456	0.347	ug/l #	1
58) 4-Methyl-2-Pentanone	10.565	43	642	0.269	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	28361	14.078	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	28361	32.944	ug/l #	12

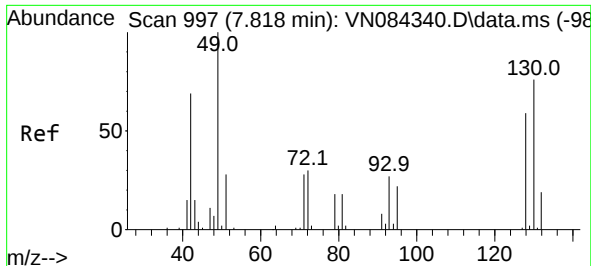
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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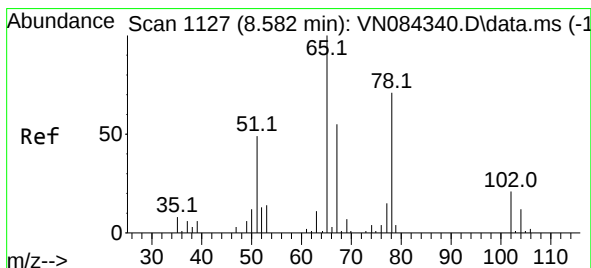
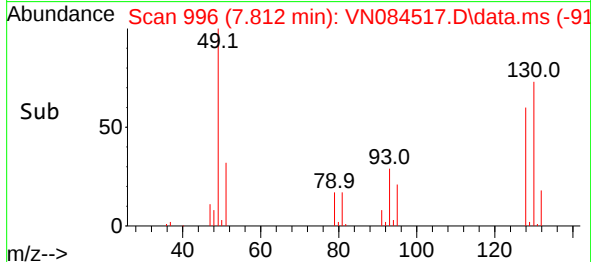
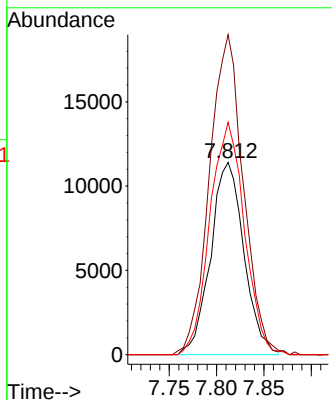
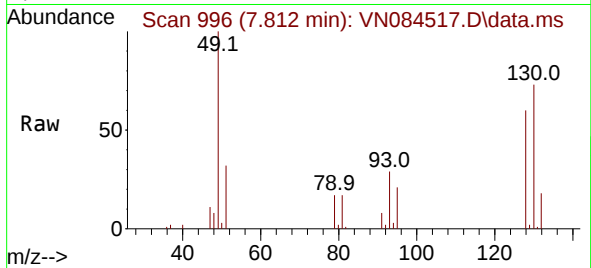




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN084517.D
Acq: 25 Oct 2024 15:39

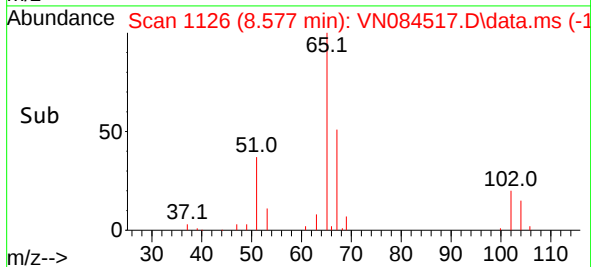
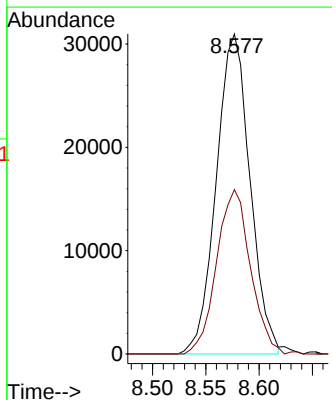
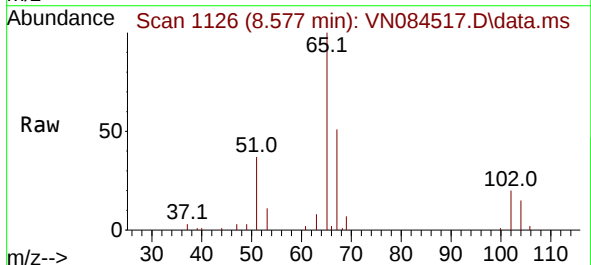
Instrument :
MSVOA_N
ClientSampleId :
TT-069-IDWGW-20241024

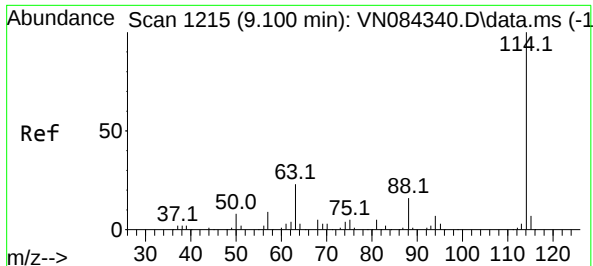
Tgt Ion:128 Resp: 27891
Ion Ratio Lower Upper
128 100
49 169.3 0.0 430.0
130 125.5 0.0 329.8



#27
1,2-Dichloroethane-d4
Concen: 30.340 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN084517.D
Acq: 25 Oct 2024 15:39

Tgt Ion: 65 Resp: 68128
Ion Ratio Lower Upper
65 100
67 51.5 41.5 62.3





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN084517.D

Acq: 25 Oct 2024 15:39

Instrument :

MSVOA_N

ClientSampleId :

TT-069-IDWGW-20241024

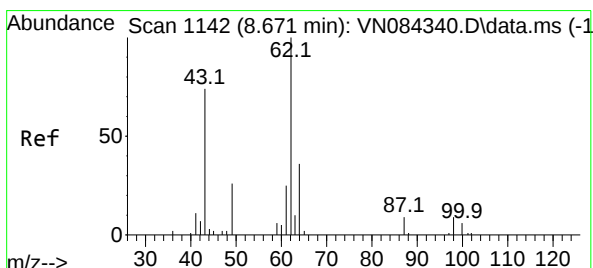
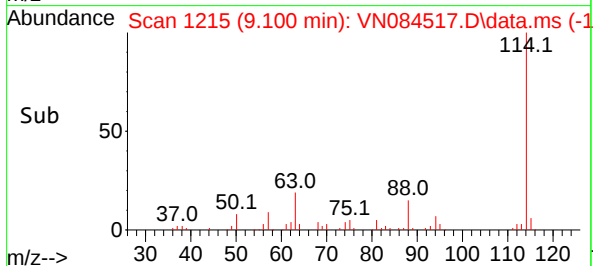
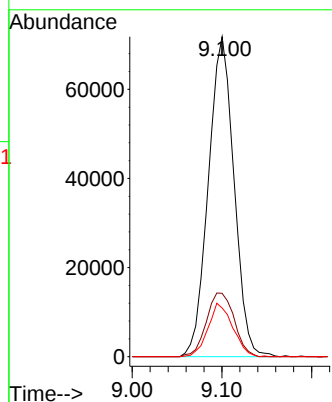
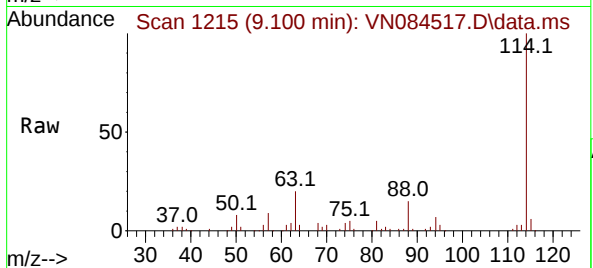
Tgt Ion:114 Resp: 142505

Ion Ratio Lower Upper

114 100

63 21.6 17.4 26.0

88 16.1 13.2 19.8



#36

1,2-Dichloroethane

Concen: 2.105 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.430 min

Lab File: VN084517.D

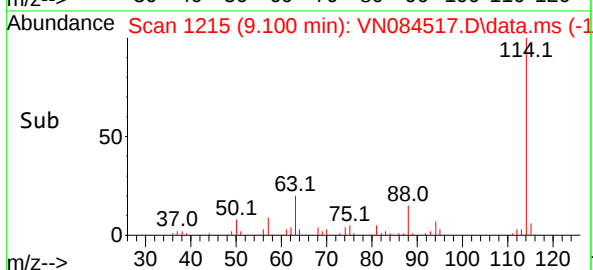
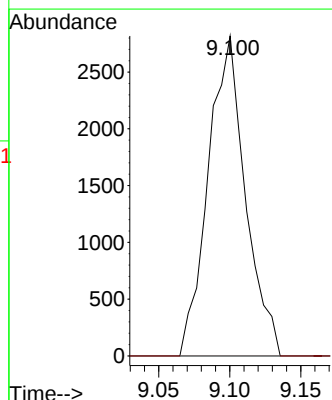
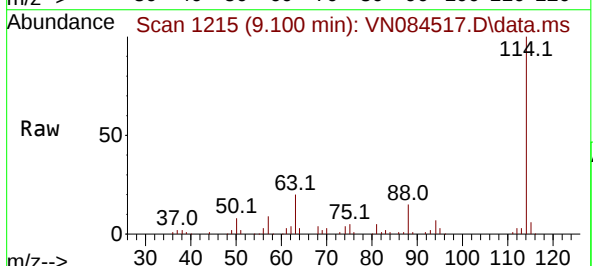
Acq: 25 Oct 2024 15:39

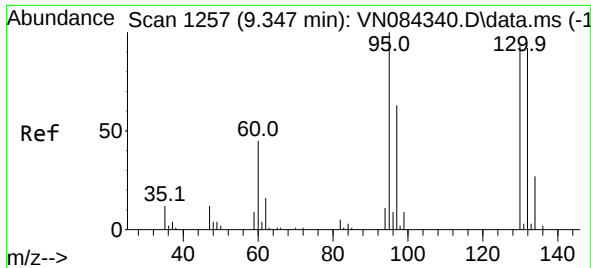
Tgt Ion: 62 Resp: 5137

Ion Ratio Lower Upper

62 100

98 0.0 7.3 10.9#

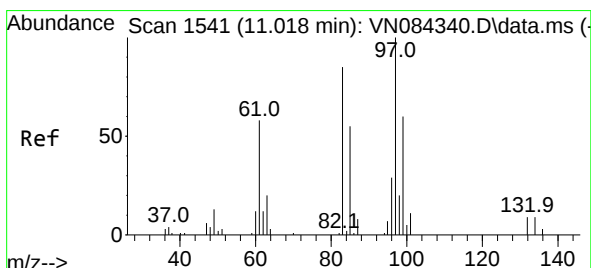
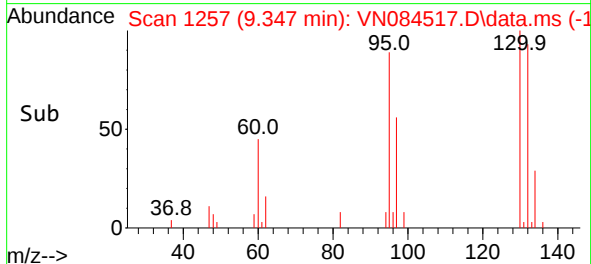
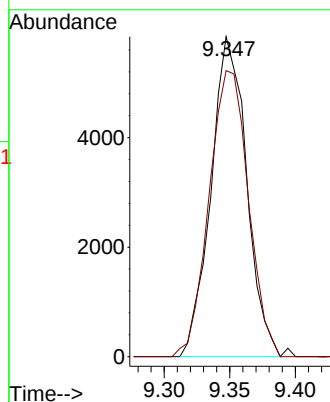
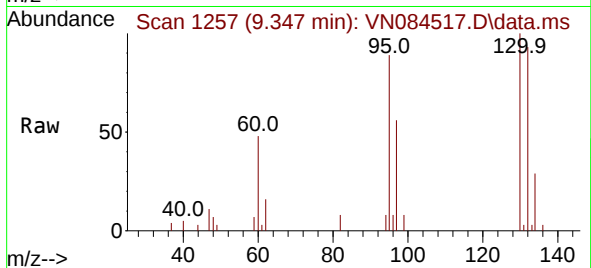




#37
Trichloroethene
Concen: 6.538 ug/l
RT: 9.347 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084517.D
Acq: 25 Oct 2024 15:39

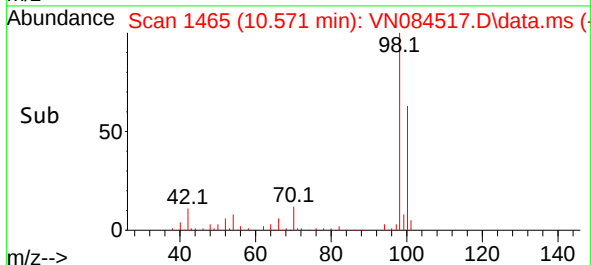
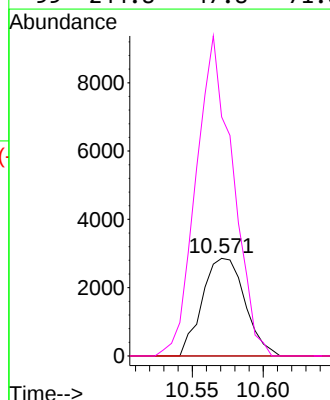
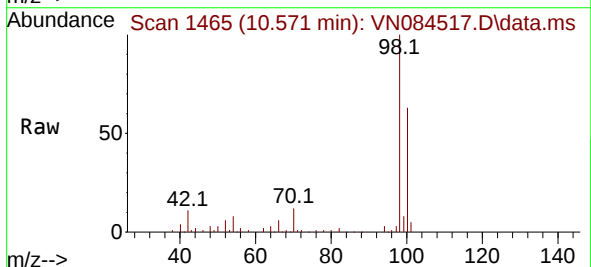
Instrument :
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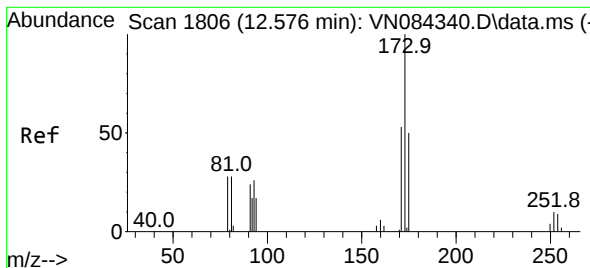
Tgt Ion:130 Resp: 11025
Ion Ratio Lower Upper
130 100
95 89.4 85.8 128.6



#50
1,1,2-Trichloroethane
Concen: 3.559 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.447 min
Lab File: VN084517.D
Acq: 25 Oct 2024 15:39

Tgt Ion: 97 Resp: 5970
Ion Ratio Lower Upper
97 100
83 0.0 67.8 101.8#
85 0.0 44.2 66.2#
99 244.8 47.8 71.8#





#56

Bromoform

Concen: 0.347 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.271 min

Lab File: VN084517.D

Acq: 25 Oct 2024 15:39

Instrument :

MSVOA_N

ClientSampleId :

TT-069-IDWGW-20241024

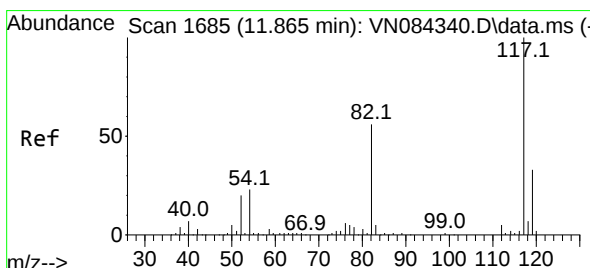
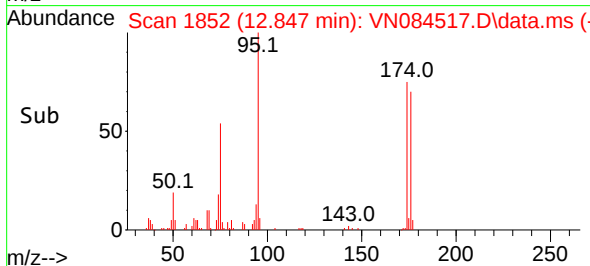
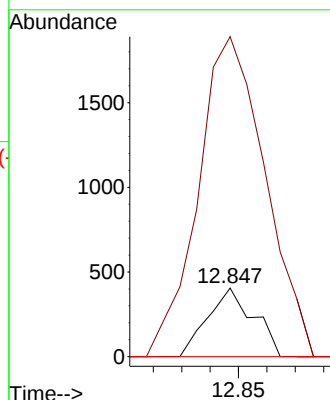
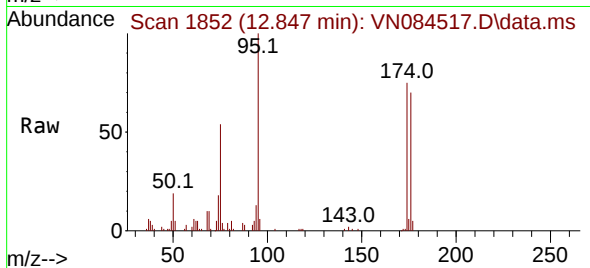
Tgt Ion:173 Resp: 456

Ion Ratio Lower Upper

173 100

175 681.6 39.4 59.2#

254 0.0 6.8 10.2#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VN084517.D

Acq: 25 Oct 2024 15:39

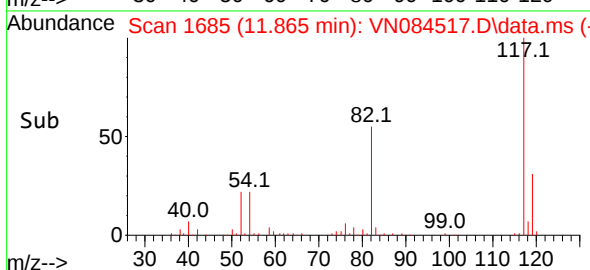
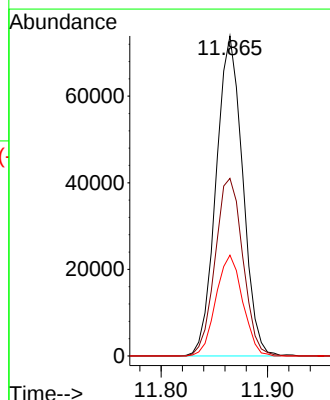
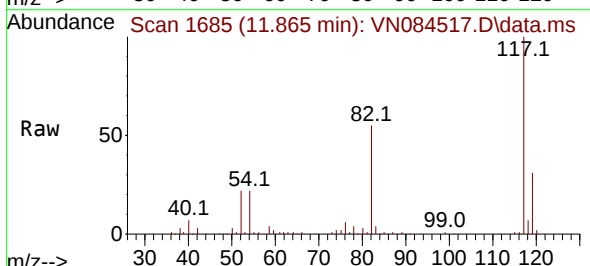
Tgt Ion:117 Resp: 128076

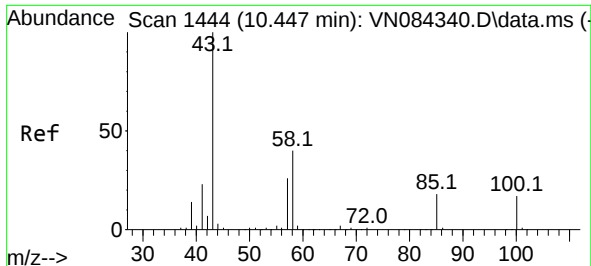
Ion Ratio Lower Upper

117 100

82 57.9 46.2 69.4

119 31.7 25.4 38.2

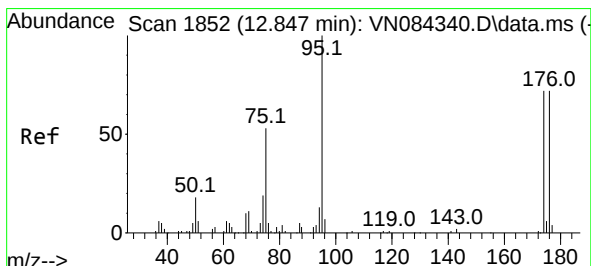
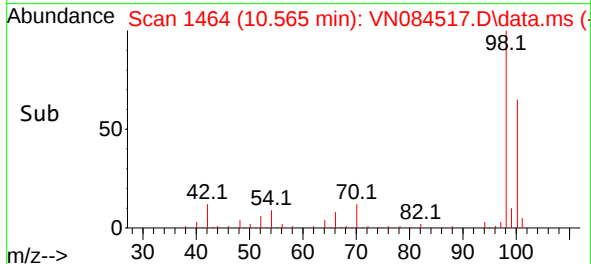
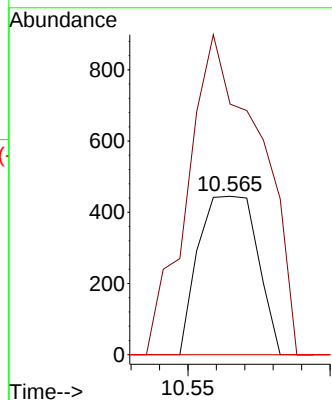
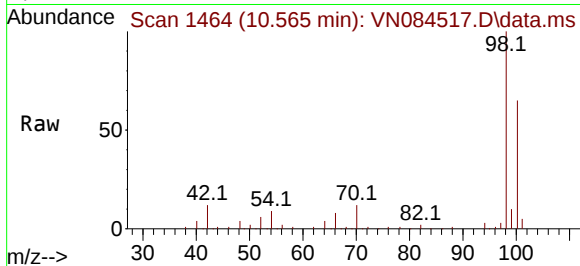




#58
4-Methyl-2-Pentanone
Concen: 0.269 ug/l
RT: 10.565 min Scan# 1444
Delta R.T. 0.118 min
Lab File: VN084517.D
Acq: 25 Oct 2024 15:39

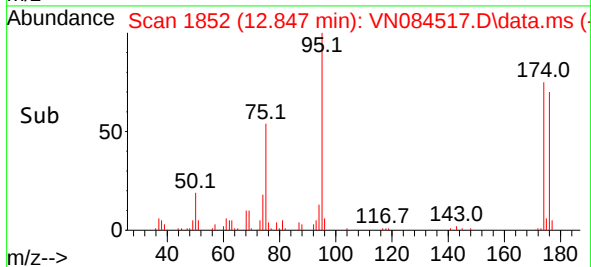
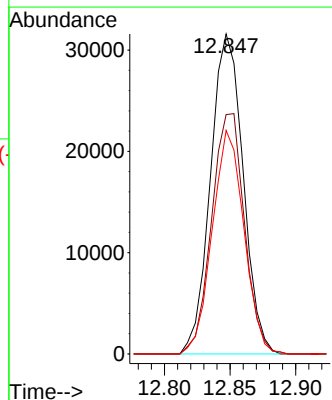
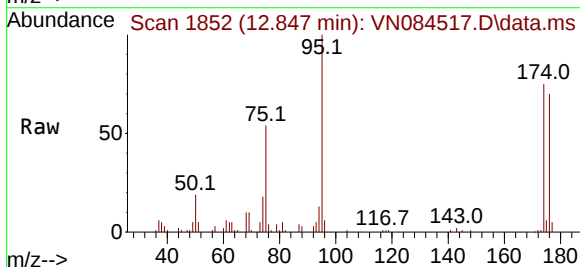
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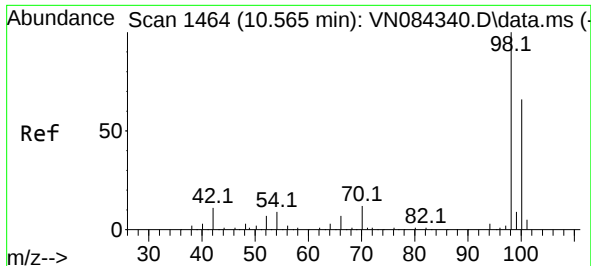
Tgt Ion:	43	Resp:	642
Ion	Ratio	Lower	Upper
43	100		
58	248.6	31.9	47.9#
85	0.0	14.6	22.0#



#60
4-Bromofluorobenzene
Concen: 25.829 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084517.D
Acq: 25 Oct 2024 15:39

Tgt Ion:	95	Resp:	54597
Ion	Ratio	Lower	Upper
95	100		
174	75.7	58.2	87.2
176	68.0	56.4	84.6

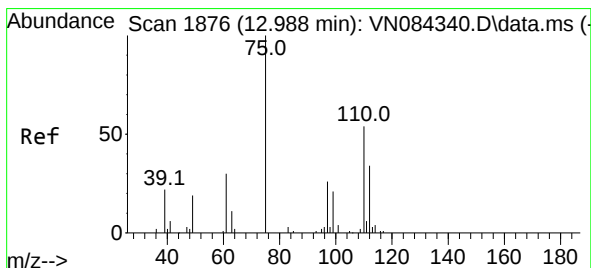
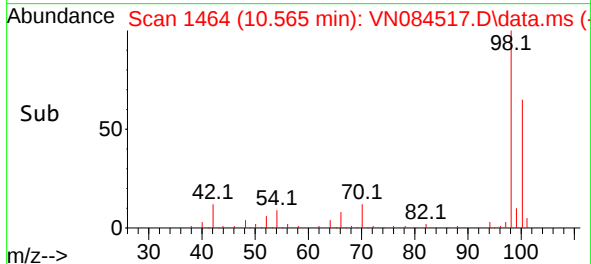
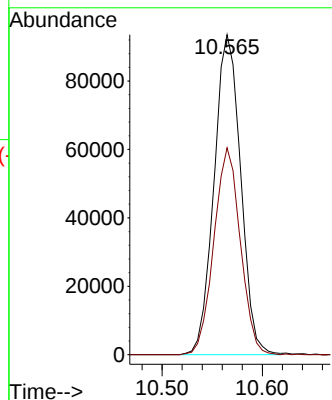
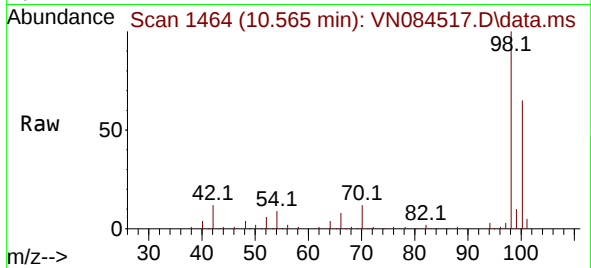




#63
Toluene-d8
Concen: 29.075 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084517.D
Acq: 25 Oct 2024 15:39

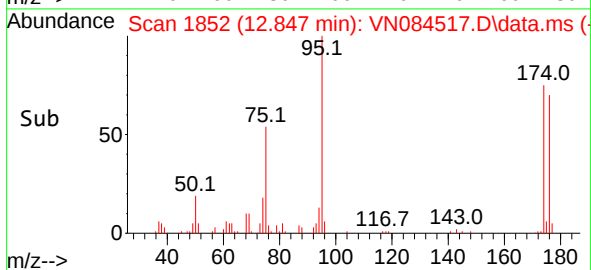
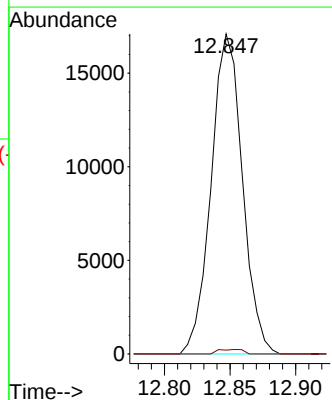
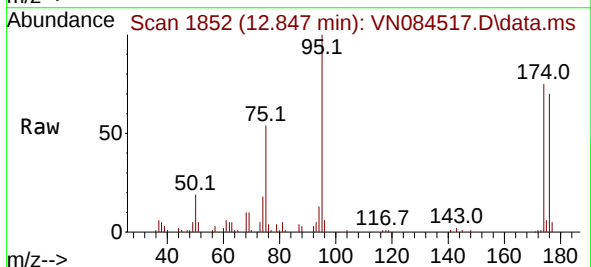
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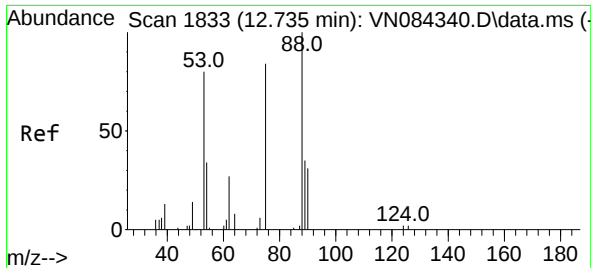
Tgt Ion: 98 Resp: 172511
Ion Ratio Lower Upper
98 100
100 64.1 52.5 78.7



#72
1,2,3-Trichloropropane
Concen: 14.078 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084517.D
Acq: 25 Oct 2024 15:39

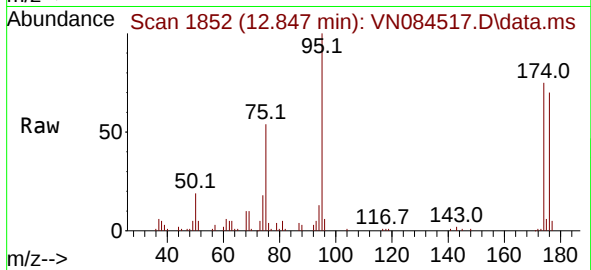
Tgt Ion: 75 Resp: 28361
Ion Ratio Lower Upper
75 100
77 0.6 0.0 414.0





#77
t-1,4-Dichloro-2-butene
Concen: 32.944 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN084517.D
Acq: 25 Oct 2024 15:39

Instrument :
MSVOA_N
ClientSampleId :
TT-069-IDWGW-20241024



Tgt Ion:	75	Resp:	28361
Ion	Ratio	Lower	Upper
75	100		
53	0.0	47.3	142.0#
89	0.0	22.9	68.8#

