

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111524\
 Data File : VN084879.D
 Acq On : 15 Nov 2024 19:12
 Operator : JC\MD
 Sample : P4867-03 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-071-IDWGW-20241113

Quant Time: Nov 15 22:29:40 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)

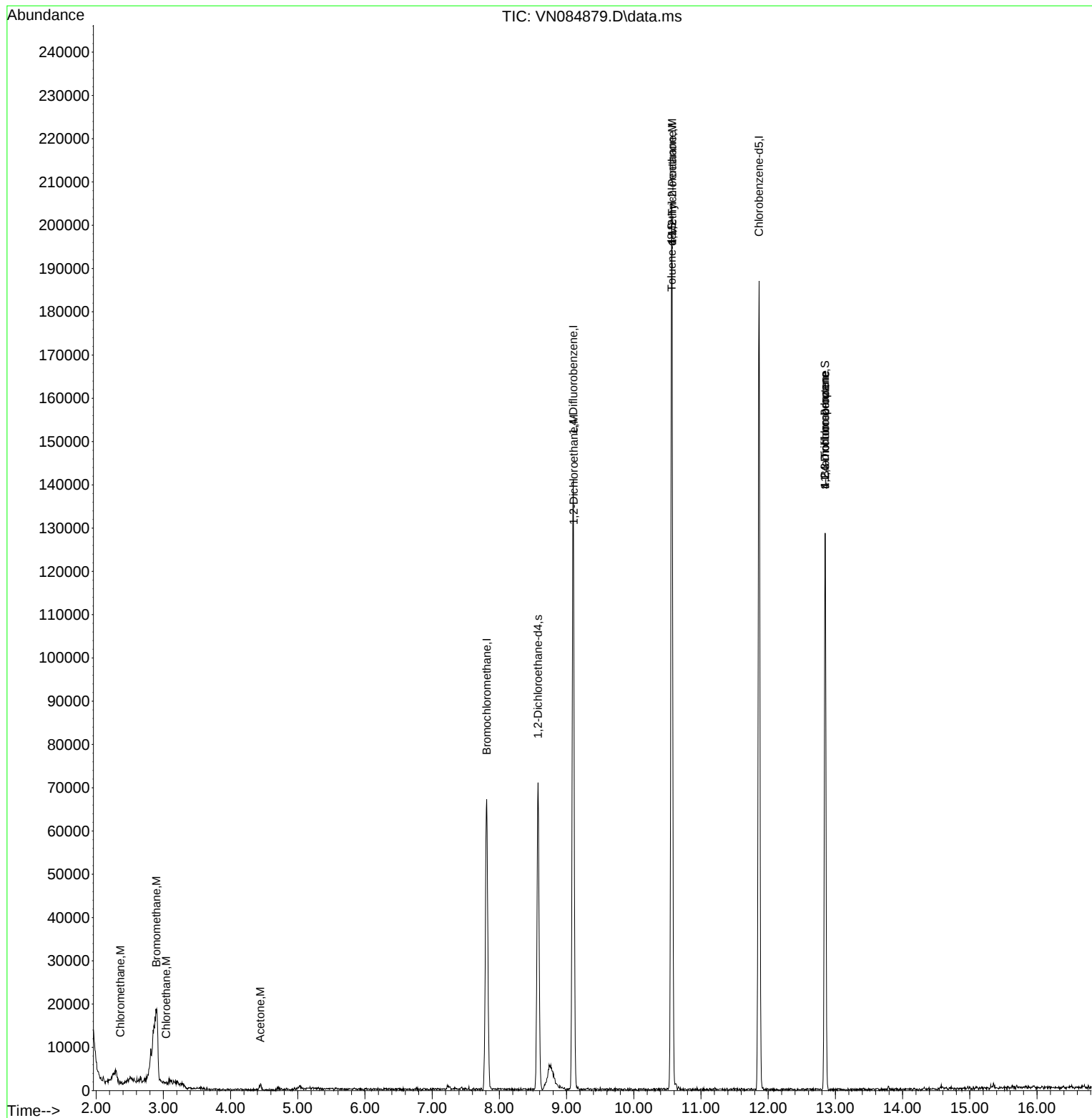
Internal Standards						
1) Bromochloromethane	7.812	128	25111	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	119460	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	108137	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	59553	29.500	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	98.333%	
60) 4-Bromofluorobenzene	12.847	95	45513	24.444	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	81.467%	
63) Toluene-d8	10.565	98	142332	27.803	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	92.667%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	447	0.254	ug/l #	43
5) Bromomethane	2.895	94	283	0.341	ug/l #	4
6) Chloroethane	3.042	64	246	0.229	ug/l #	47
15) Acetone	4.442	58	191	0.996	ug/l #	1
36) 1,2-Dichloroethane	9.106	62	4265	2.156	ug/l #	74
50) 1,1,2-Trichloroethane	10.571	97	5070	3.774	ug/l #	1
58) 4-Methyl-2-Pentanone	10.571	43	720	0.422	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	23745	14.448	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	23745	35.227	ug/l #	7

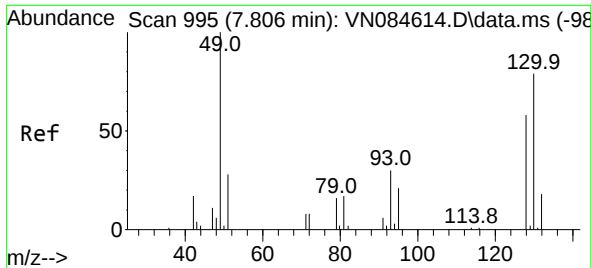
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TT-071-IDWGW-20241113

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:38:04 2024
Response via : Initial Calibration

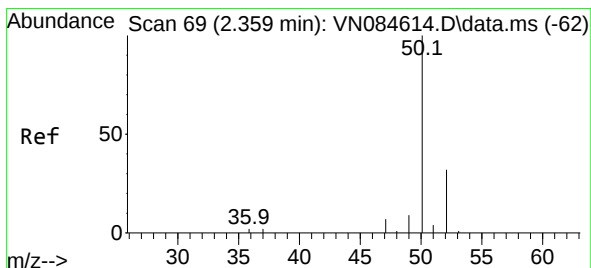
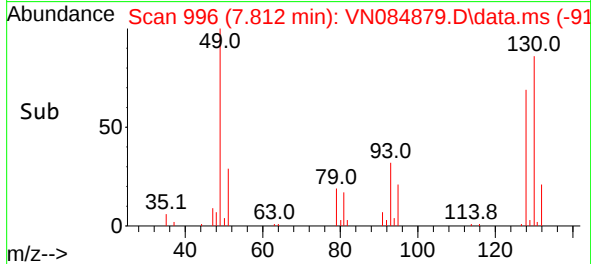
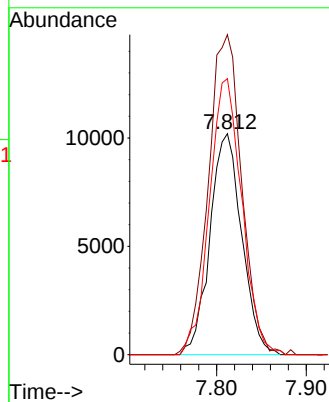
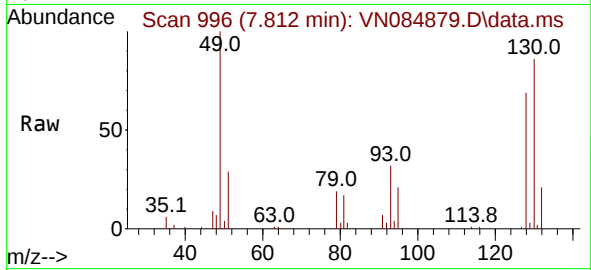




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 995
Delta R.T. 0.006 min
Lab File: VN084879.D
Acq: 15 Nov 2024 19:12

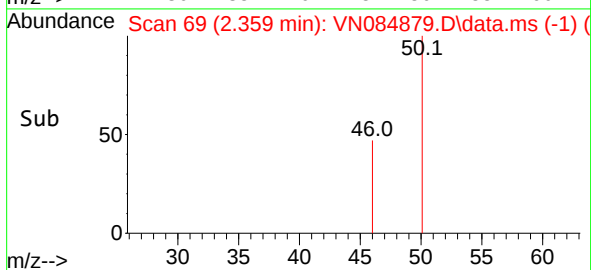
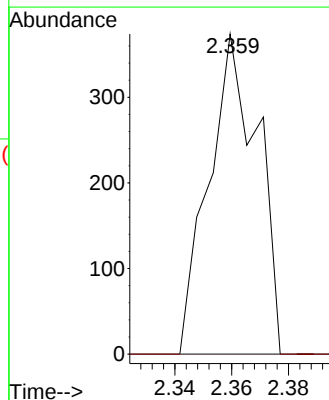
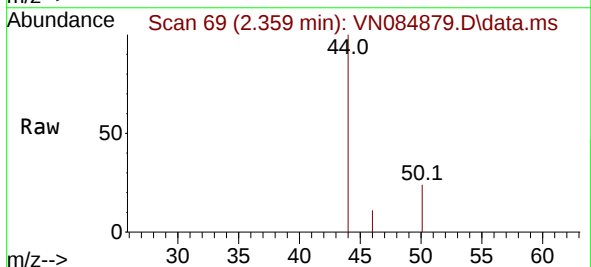
Instrument :
MSVOA_N
ClientSampleId :
TT-071-IDWGW-20241113

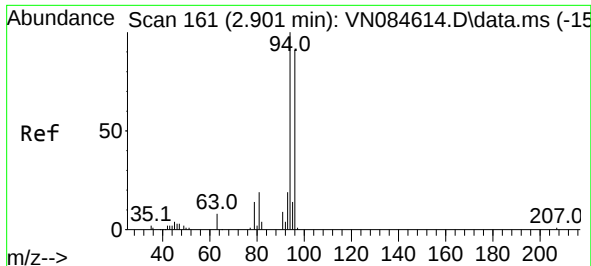
Tgt Ion:128 Resp: 25111
Ion Ratio Lower Upper
128 100
49 151.3 0.0 427.0
130 127.2 0.0 322.2



#3
Chloromethane
Concen: 0.254 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084879.D
Acq: 15 Nov 2024 19:12

Tgt Ion: 50 Resp: 447
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

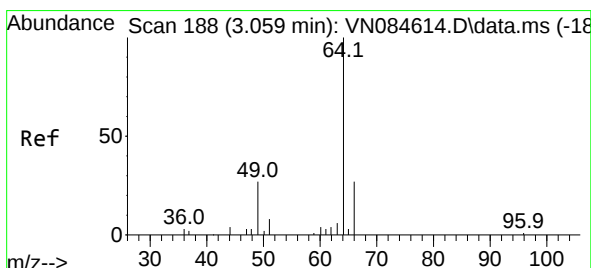
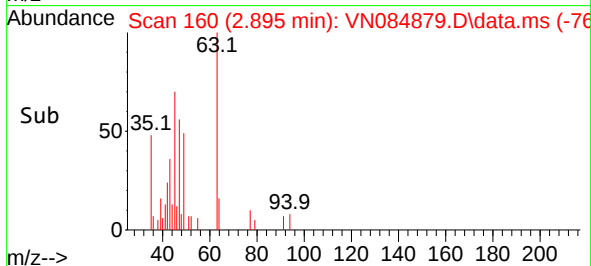
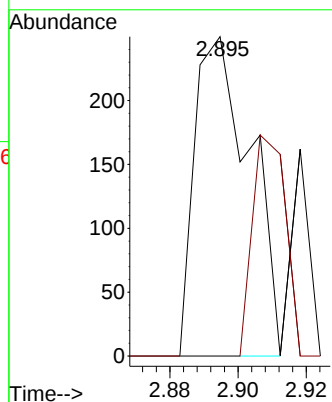
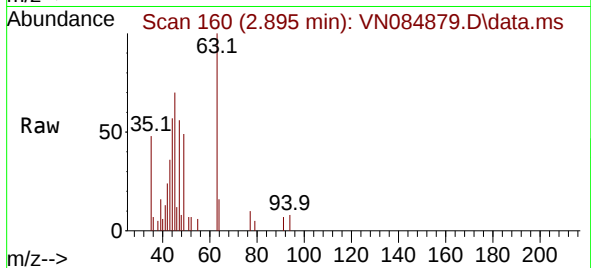




#5
Bromomethane
Concen: 0.341 ug/l
RT: 2.895 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084879.D
Acq: 15 Nov 2024 19:12

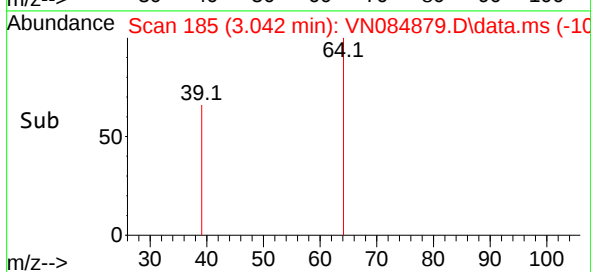
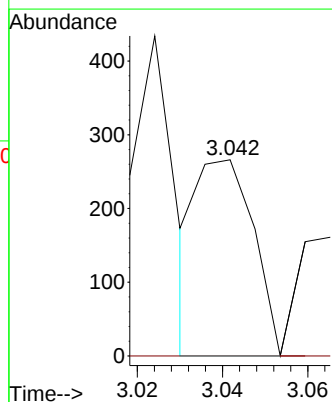
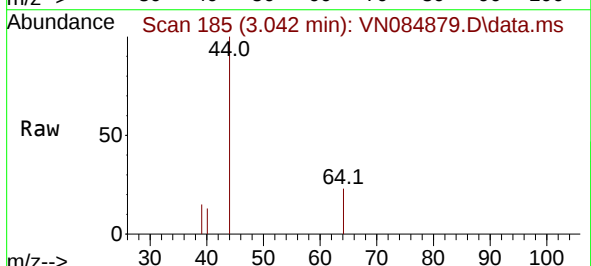
Instrument :
MSVOA_N
ClientSampleId :
TT-071-IDWGW-20241113

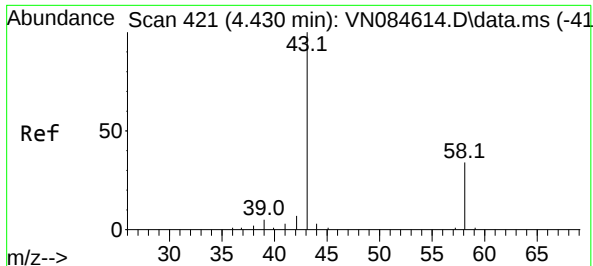
Tgt Ion: 94 Resp: 283
Ion Ratio Lower Upper
94 100
96 0.0 72.7 109.1#



#6
Chloroethane
Concen: 0.229 ug/l
RT: 3.042 min Scan# 185
Delta R.T. -0.018 min
Lab File: VN084879.D
Acq: 15 Nov 2024 19:12

Tgt Ion: 64 Resp: 246
Ion Ratio Lower Upper
64 100
66 0.0 22.1 33.1#





#15

Acetone

Concen: 0.996 ug/l

RT: 4.442 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN084879.D

Acq: 15 Nov 2024 19:12

Instrument :

MSVOA_N

ClientSampleId :

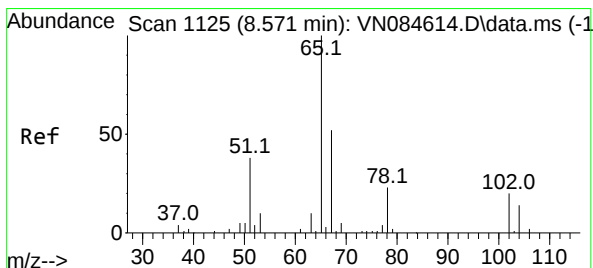
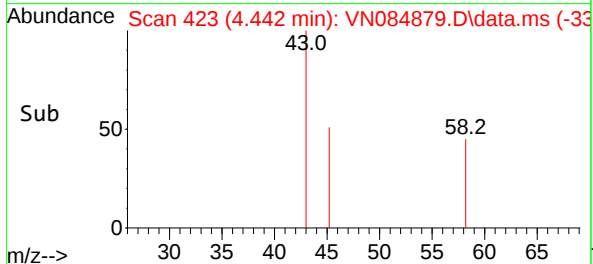
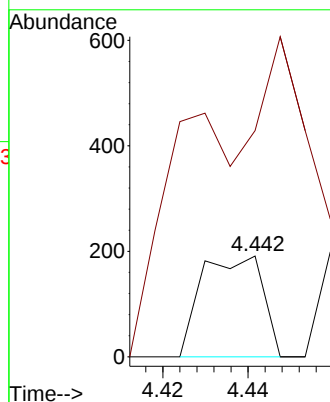
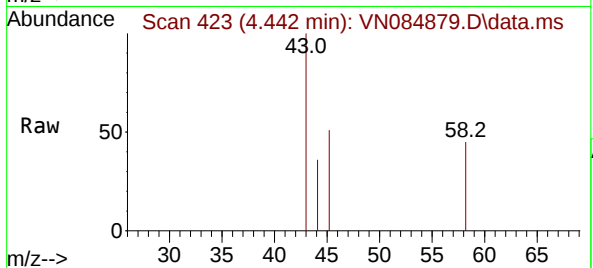
TT-071-IDWGW-20241113

Tgt Ion: 58 Resp: 191

Ion Ratio Lower Upper

58 100

43 0.0 233.0 349.6#



#27

1,2-Dichloroethane-d4

Concen: 29.500 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN084879.D

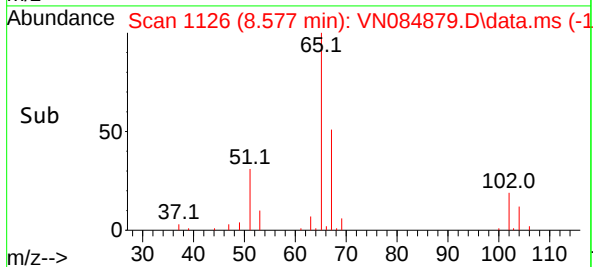
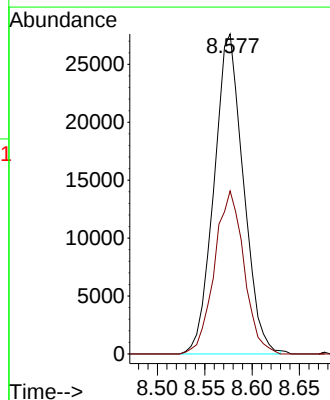
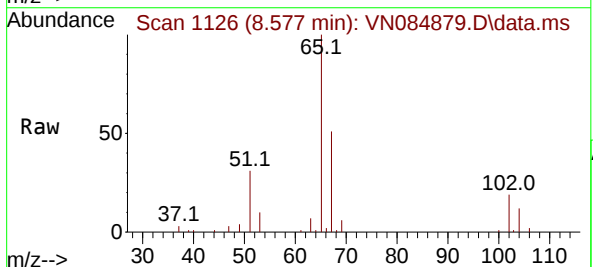
Acq: 15 Nov 2024 19:12

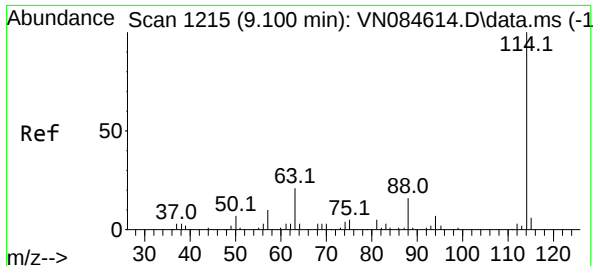
Tgt Ion: 65 Resp: 59553

Ion Ratio Lower Upper

65 100

67 51.1 40.7 61.1





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 119460

Delta R.T. -0.000 min

Lab File: VN084879.D

Acq: 15 Nov 2024 19:12

Instrument :

MSVOA_N

ClientSampleId :

TT-071-IDWGW-20241113

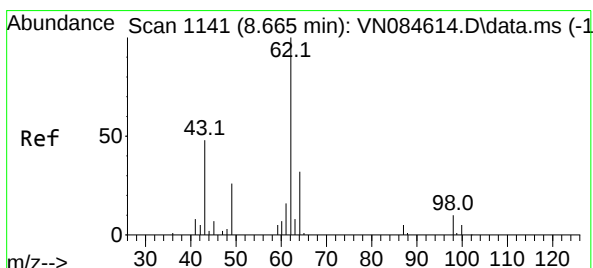
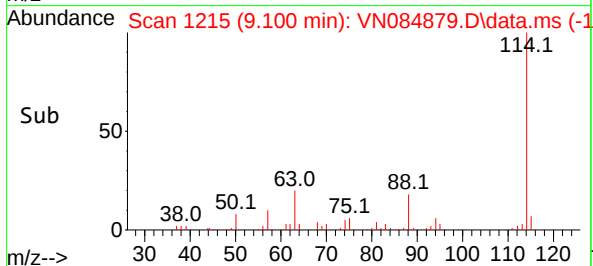
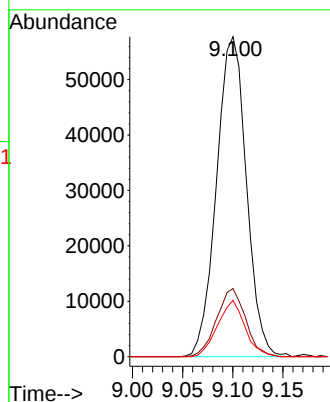
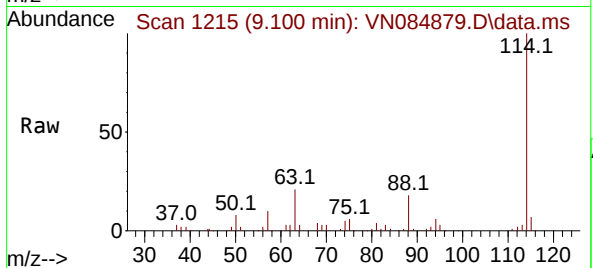
Tgt Ion:114 Resp: 119460

Ion Ratio Lower Upper

114 100

63 20.6 16.8 25.2

88 16.2 12.9 19.3



#36

1,2-Dichloroethane

Concen: 2.156 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.441 min

Lab File: VN084879.D

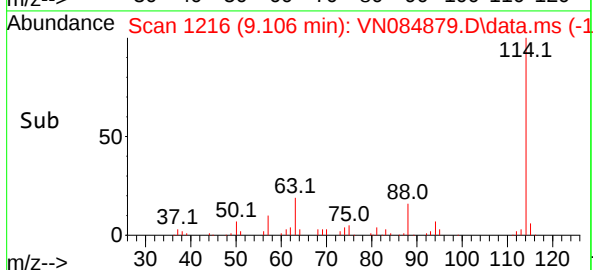
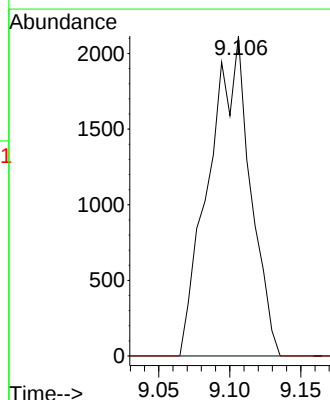
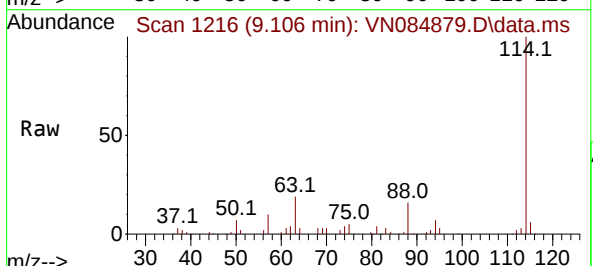
Acq: 15 Nov 2024 19:12

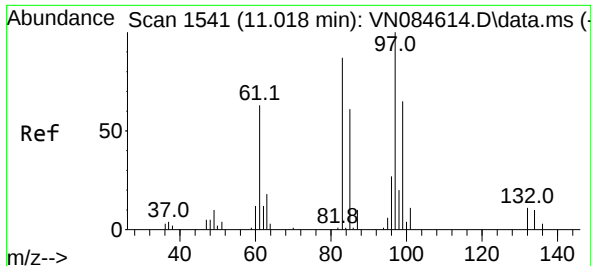
Tgt Ion: 62 Resp: 4265

Ion Ratio Lower Upper

62 100

98 0.0 7.8 11.6#

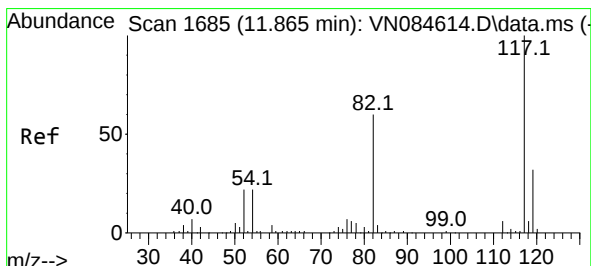
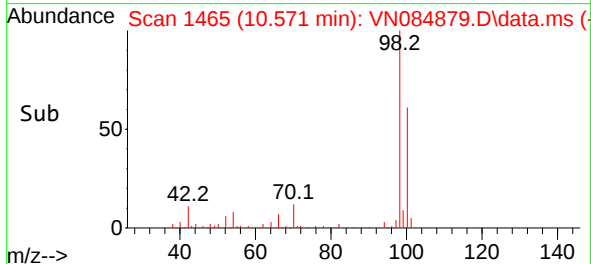
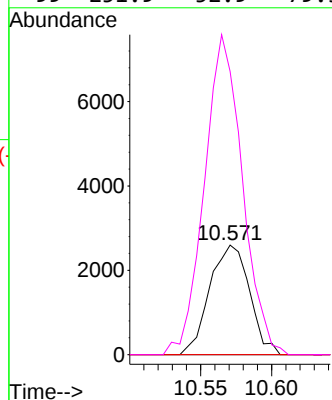
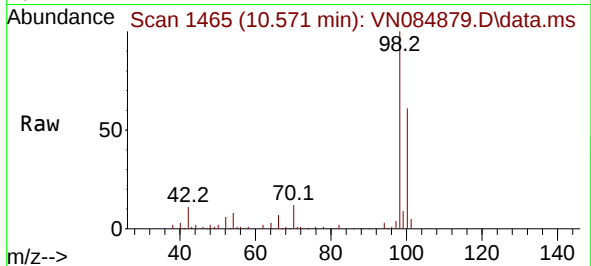




#50
1,1,2-Trichloroethane
Concen: 3.774 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.447 min
Lab File: VN084879.D
Acq: 15 Nov 2024 19:12

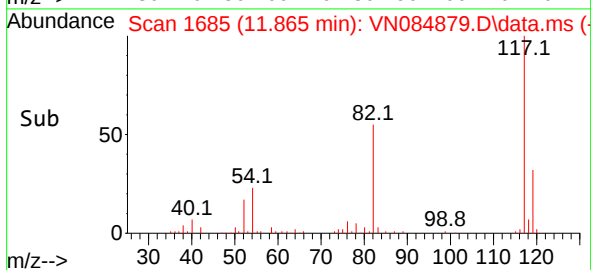
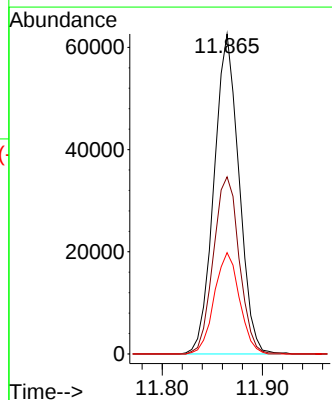
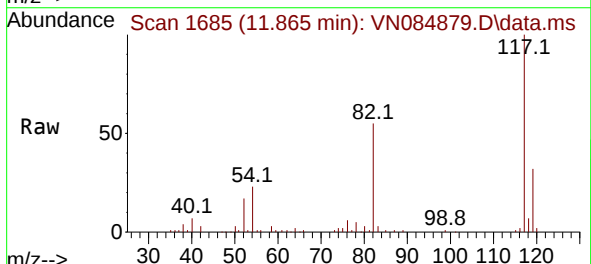
Instrument : MSVOA_N
ClientSampleId : TT-071-IDWGW-20241113

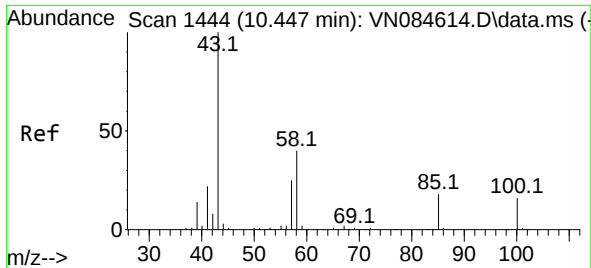
Tgt Ion: 97	Resp: 5070
Ion Ratio	Lower Upper
97 100	
83 0.0	69.8 104.8#
85 0.0	48.6 73.0#
99 251.9	52.9 79.3#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN084879.D
Acq: 15 Nov 2024 19:12

Tgt Ion: 117	Resp: 108137
Ion Ratio	Lower Upper
117 100	
82 57.2	45.5 68.3
119 32.0	25.3 37.9

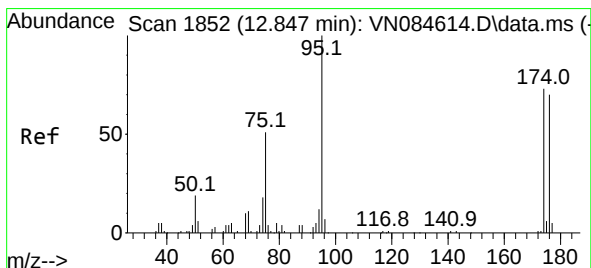
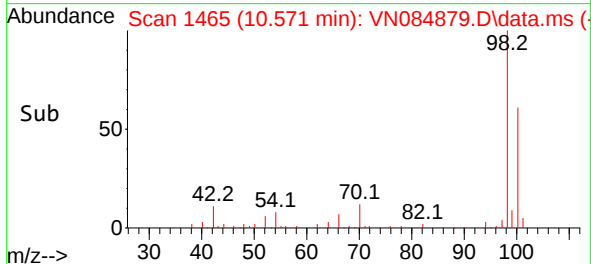
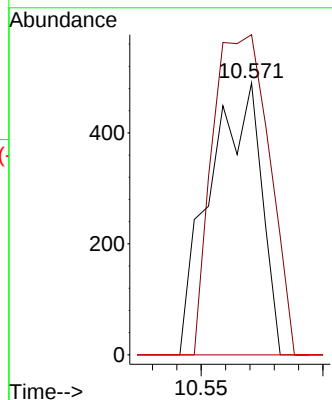
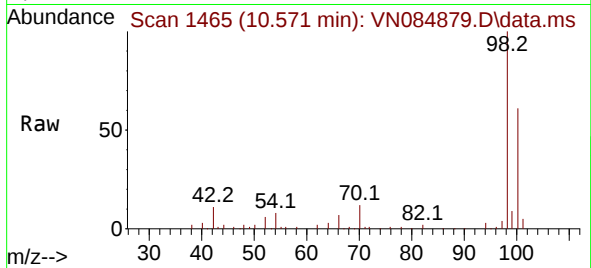




#58
4-Methyl-2-Pentanone
Concen: 0.422 ug/l
RT: 10.571 min Scan# 1444
Delta R.T. 0.124 min
Lab File: VN084879.D
Acq: 15 Nov 2024 19:12

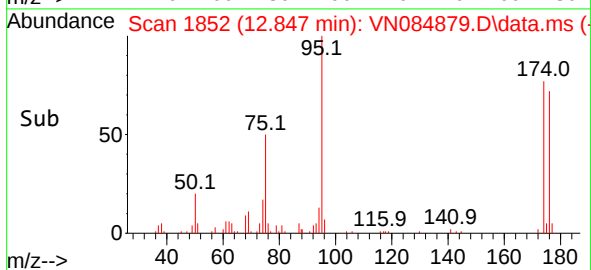
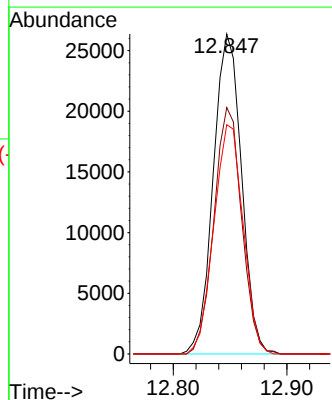
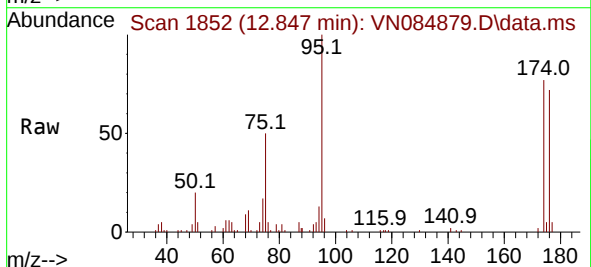
Instrument :
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TT-071-IDWGW-20241113

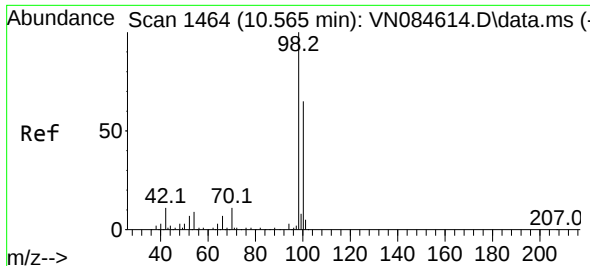
Tgt Ion: 43 Resp: 720
Ion Ratio Lower Upper
43 100
58 129.9 31.2 46.8#
85 0.0 14.9 22.3#



#60
4-Bromofluorobenzene
Concen: 24.444 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084879.D
Acq: 15 Nov 2024 19:12

Tgt Ion: 95 Resp: 45513
Ion Ratio Lower Upper
95 100
174 75.8 59.6 89.4
176 74.3 58.6 88.0

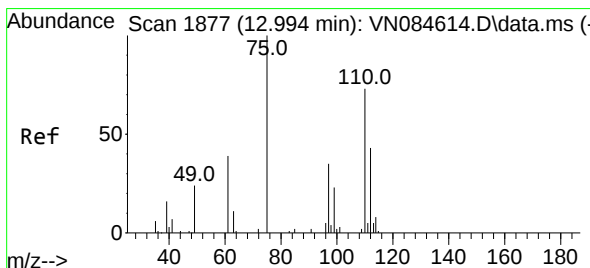
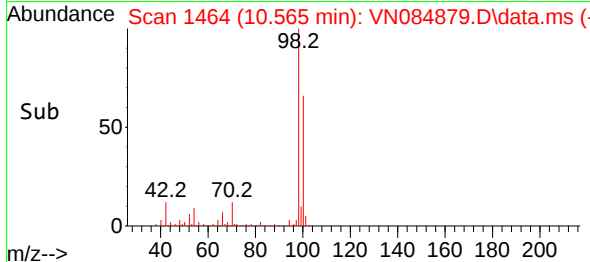
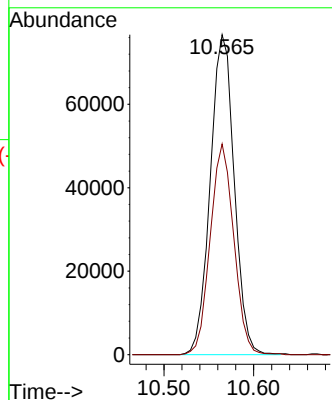
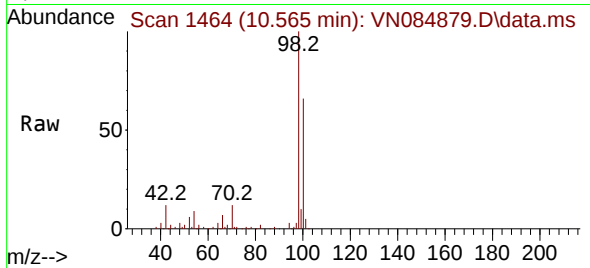




#63
Toluene-d8
Concen: 27.803 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084879.D
Acq: 15 Nov 2024 19:12

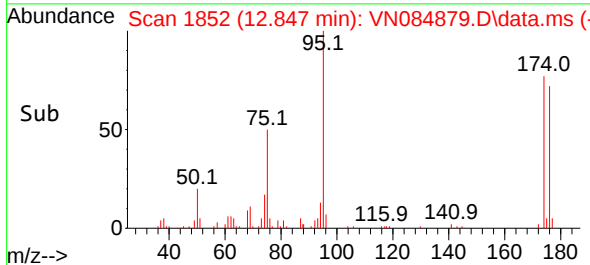
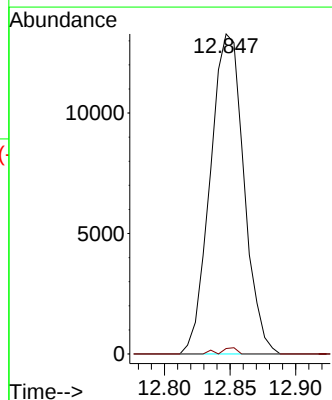
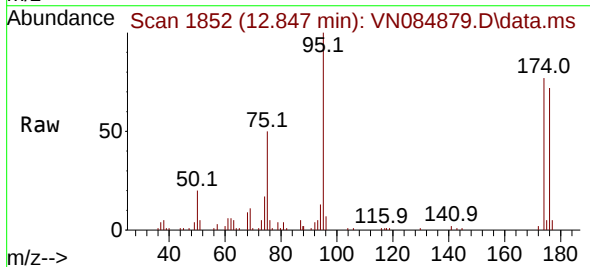
Instrument :
MSVOA_N
ClientSampleId :
TT-071-IDWGW-20241113

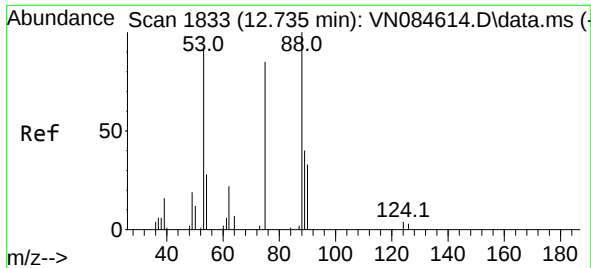
Tgt Ion: 98 Resp: 142332
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.2



#72
1,2,3-Trichloropropane
Concen: 14.448 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN084879.D
Acq: 15 Nov 2024 19:12

Tgt Ion: 75 Resp: 23745
Ion Ratio Lower Upper
75 100
77 0.7 0.0 358.4





#77

t-1,4-Dichloro-2-butene

Concen: 35.227 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.112 min

Lab File: VN084879.D

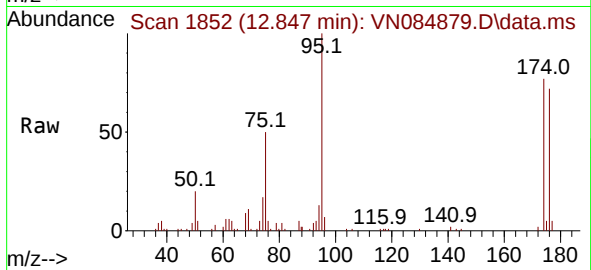
Acq: 15 Nov 2024 19:12

Instrument :

MSVOA_N

ClientSampleId :

TT-071-IDWGW-20241113



Tgt Ion: 75 Resp: 23745

Ion Ratio Lower Upper

75 100

53 0.0 52.4 157.2#

89 0.0 26.0 78.0#

