

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
 Data File : VN084516.D
 Acq On : 25 Oct 2024 15:15
 Operator : JC\MD
 Sample : P4549-02 4X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-067-IDWGW-20241024

Quant Time: Oct 26 05:30:39 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)

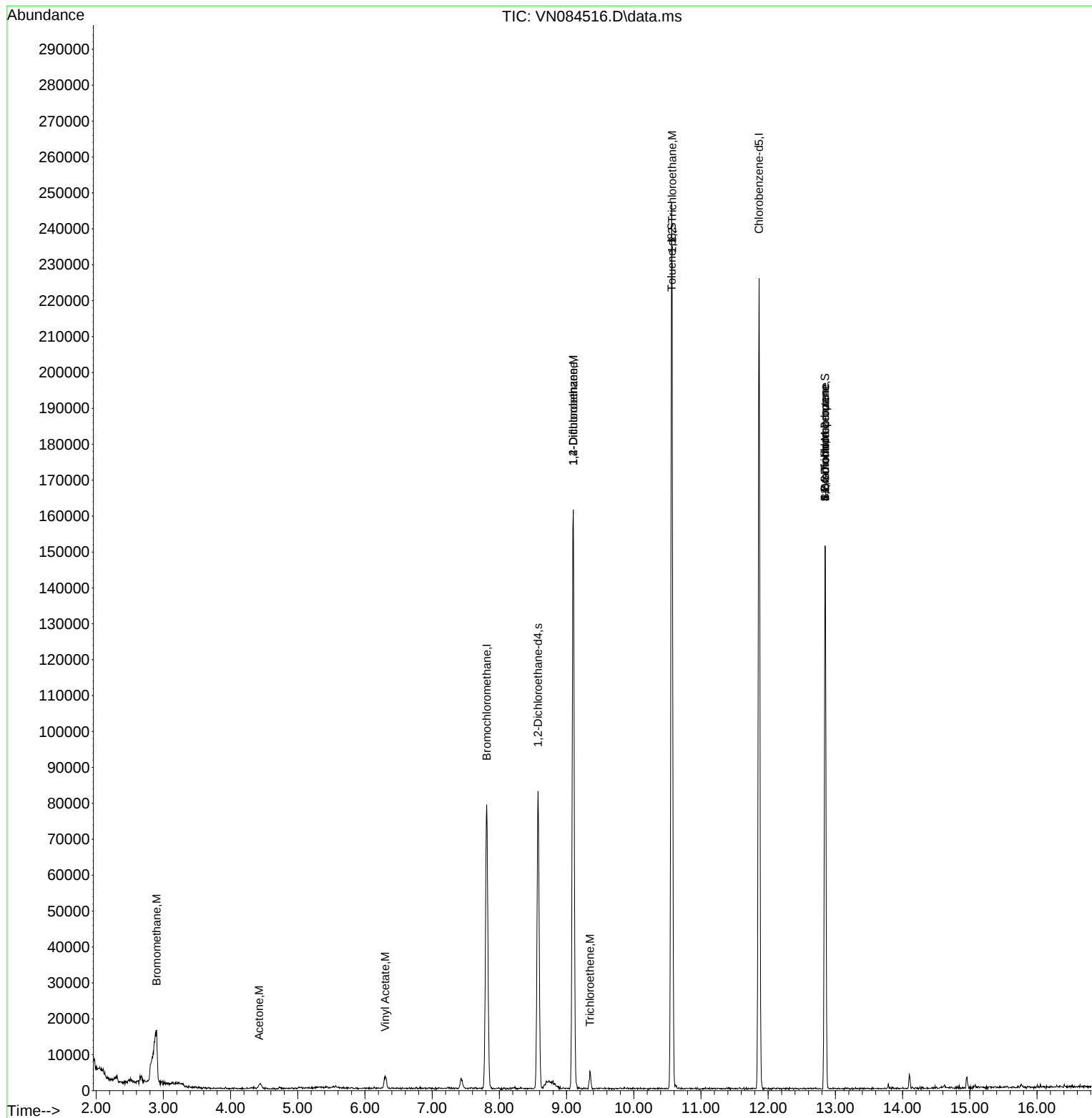
Internal Standards						
1) Bromochloromethane	7.812	128	28275	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	137388	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	125598	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	68323	30.014	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.033%
60) 4-Bromofluorobenzene	12.847	95	52227	25.195	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	84.000%
63) Toluene-d8	10.565	98	166090	28.545	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	95.167%
Target Compounds						
					Qvalue	
5) Bromomethane	2.900	94	295	0.231	ug/l #	77
15) Acetone	4.424	58	207	0.732	ug/l #	14
36) 1,2-Dichloroethane	9.100	62	5203	2.211	ug/l #	75
37) Trichloroethene	9.347	130	1528	0.940	ug/l	99
42) Vinyl Acetate	6.300	43	1479	0.354	ug/l #	86
50) 1,1,2-Trichloroethane	10.571	97	5469	3.382	ug/l #	1
56) Bromoform	12.847	173	647	0.511	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	27936	14.140	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	27936	33.090	ug/l #	12

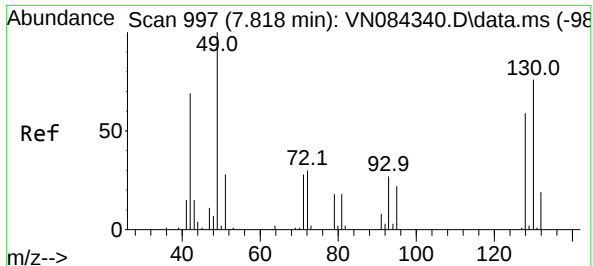
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TT-067-IDWGW-20241024

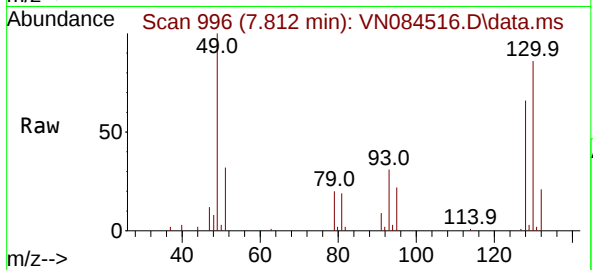
Quant Time: Oct 26 05:30:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
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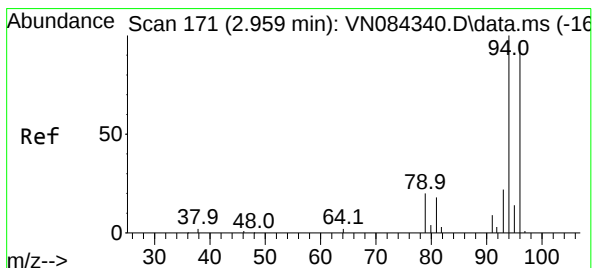
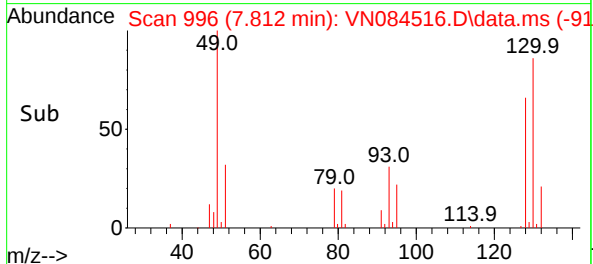
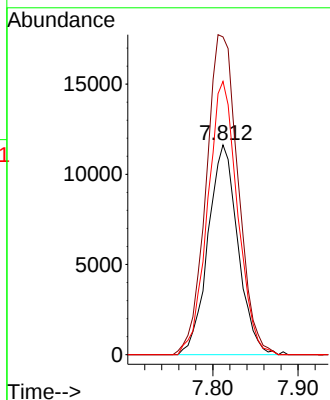


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN084516.D
Acq: 25 Oct 2024 15:15

Instrument :
MSVOA_N
ClientSampleId :
TT-067-IDWGW-20241024

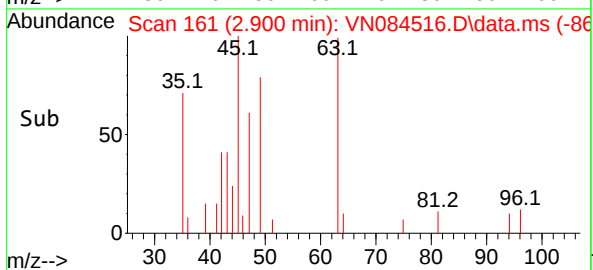
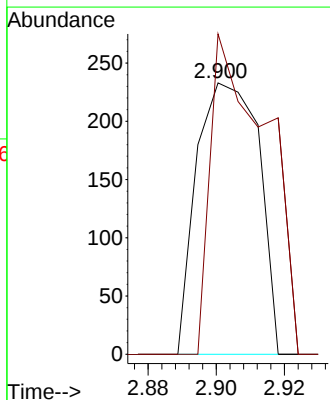
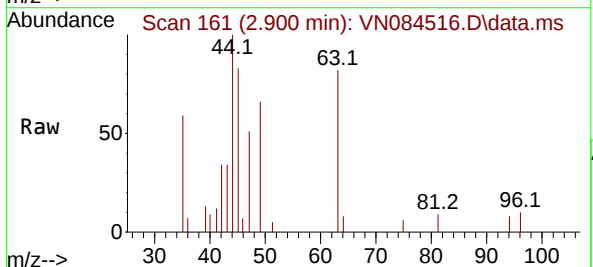


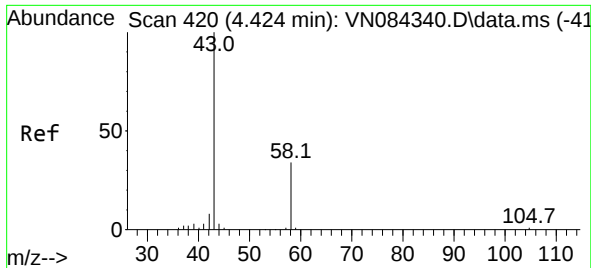
Tgt Ion:128 Resp: 28275
Ion Ratio Lower Upper
128 100
49 163.6 0.0 430.0
130 130.9 0.0 329.8



#5
Bromomethane
Concen: 0.231 ug/l
RT: 2.900 min Scan# 161
Delta R.T. -0.059 min
Lab File: VN084516.D
Acq: 25 Oct 2024 15:15

Tgt Ion: 94 Resp: 295
Ion Ratio Lower Upper
94 100
96 118.0 76.7 115.1#





#15

Acetone

Concen: 0.732 ug/l

RT: 4.424 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN084516.D

Acq: 25 Oct 2024 15:15

Instrument :

MSVOA_N

ClientSampleId :

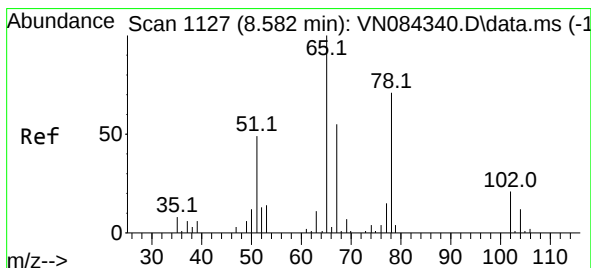
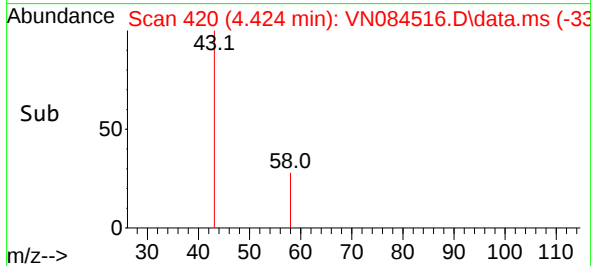
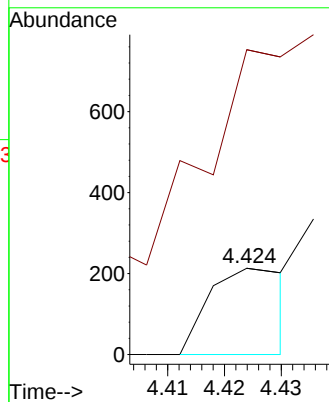
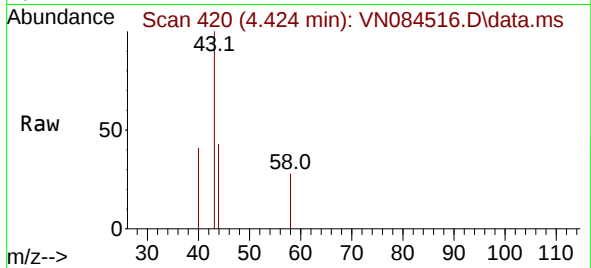
TT-067-IDWGW-20241024

Tgt Ion: 58 Resp: 207

Ion Ratio Lower Upper

58 100

43 128.6 237.5 356.3#



#27

1,2-Dichloroethane-d4

Concen: 30.014 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN084516.D

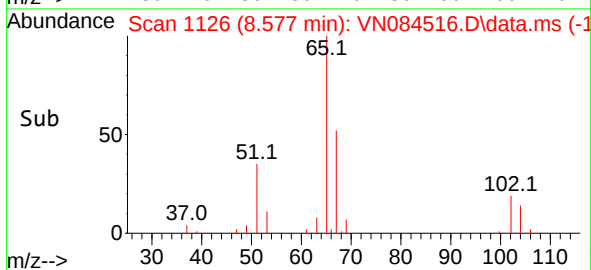
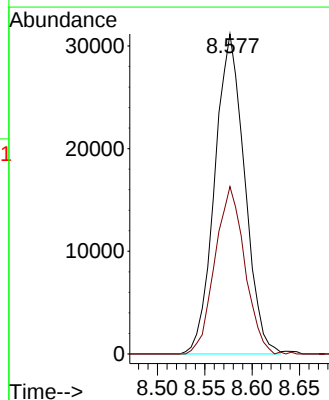
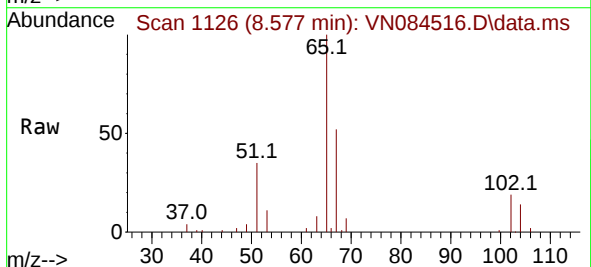
Acq: 25 Oct 2024 15:15

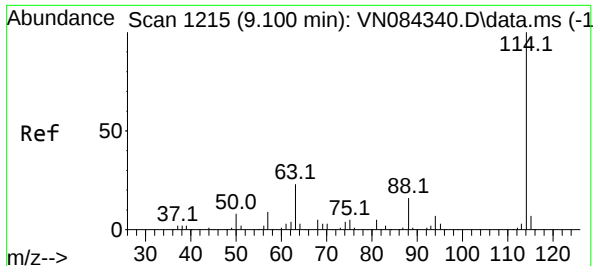
Tgt Ion: 65 Resp: 68323

Ion Ratio Lower Upper

65 100

67 52.1 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: VN084516.D

Acq: 25 Oct 2024 15:15

Instrument :

MSVOA_N

ClientSampleId :

TT-067-IDWGW-20241024

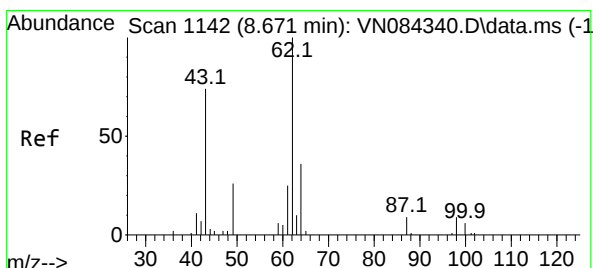
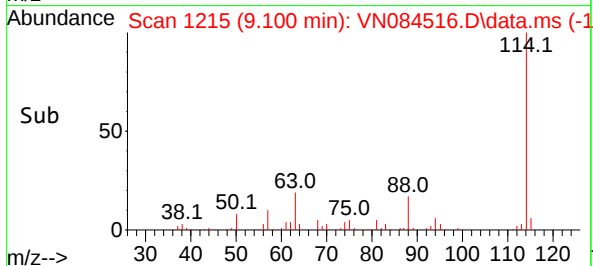
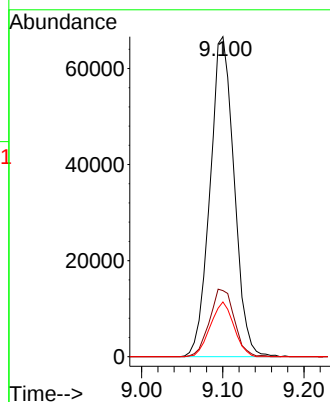
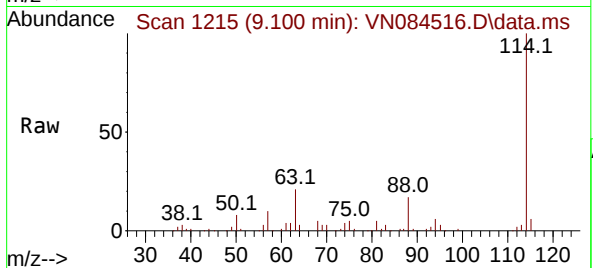
Tgt Ion:114 Resp: 137388

Ion Ratio Lower Upper

114 100

63 21.6 17.4 26.0

88 16.7 13.2 19.8



#36

1,2-Dichloroethane

Concen: 2.211 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.429 min

Lab File: VN084516.D

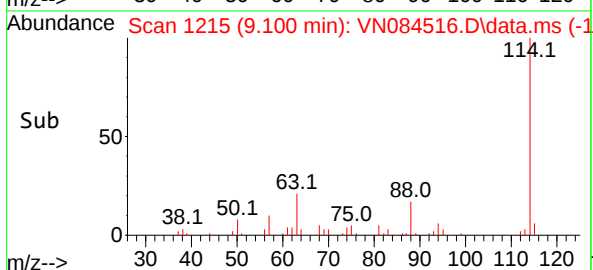
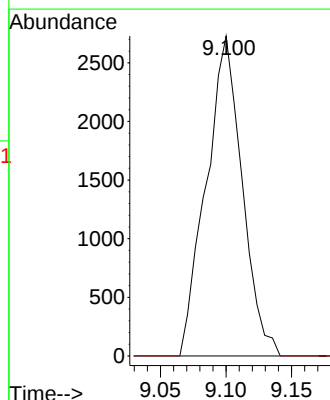
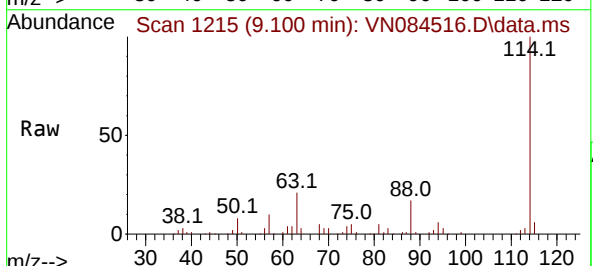
Acq: 25 Oct 2024 15:15

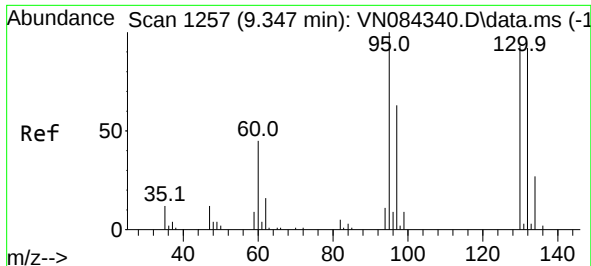
Tgt Ion: 62 Resp: 5203

Ion Ratio Lower Upper

62 100

98 0.0 7.3 10.9#





#37

Trichloroethene

Concen: 0.940 ug/l

RT: 9.347 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN084516.D

Acq: 25 Oct 2024 15:15

Instrument :

MSVOA_N

ClientSampleId :

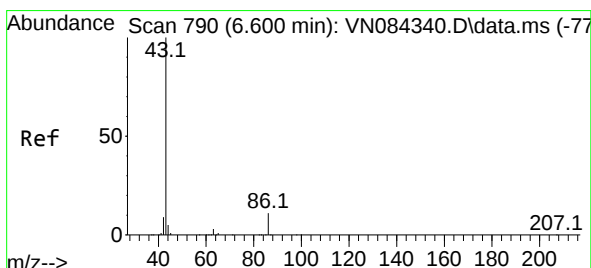
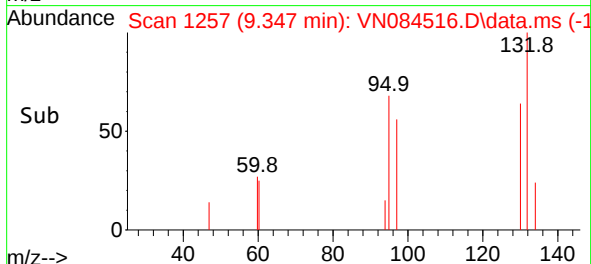
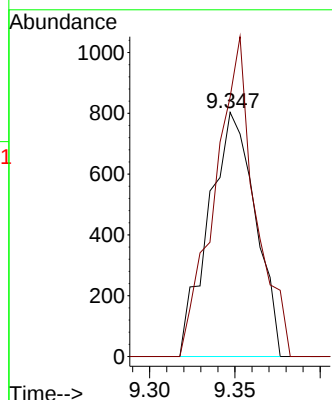
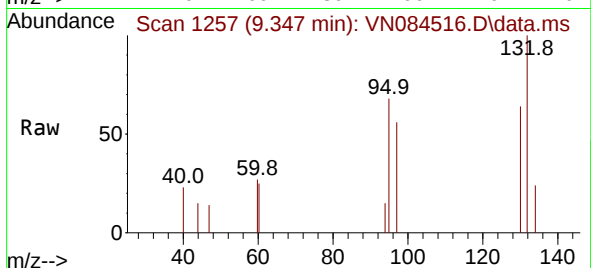
TT-067-IDWGW-20241024

Tgt Ion:130 Resp: 1528

Ion Ratio Lower Upper

130 100

95 106.2 85.8 128.6



#42

Vinyl Acetate

Concen: 0.354 ug/l

RT: 6.300 min Scan# 739

Delta R.T. -0.300 min

Lab File: VN084516.D

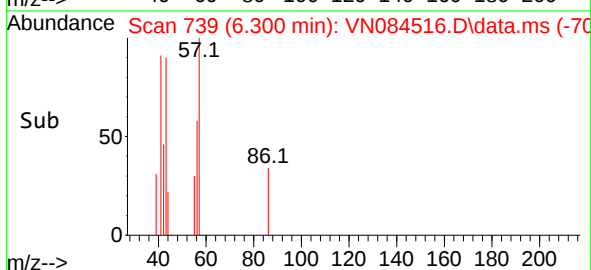
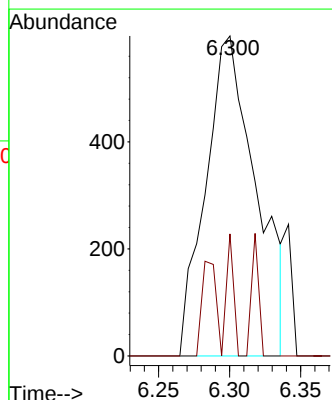
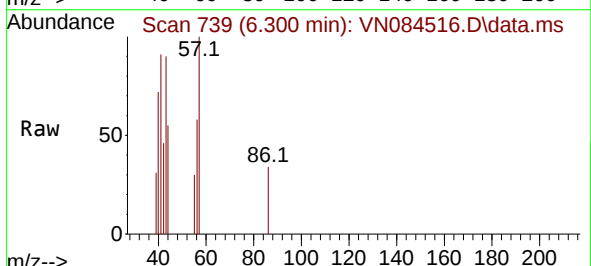
Acq: 25 Oct 2024 15:15

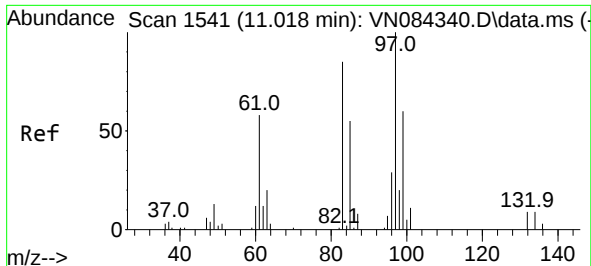
Tgt Ion: 43 Resp: 1479

Ion Ratio Lower Upper

43 100

86 5.4 8.5 12.7#

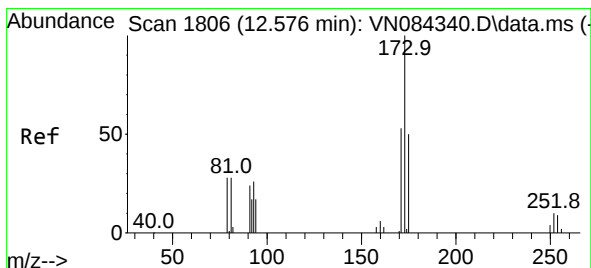
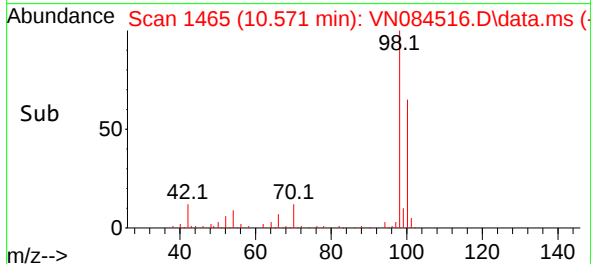
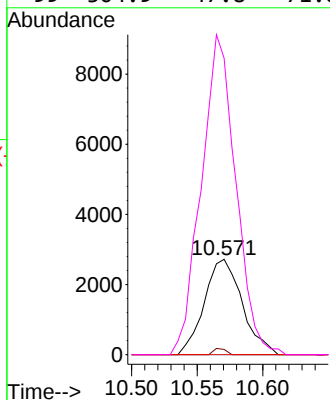
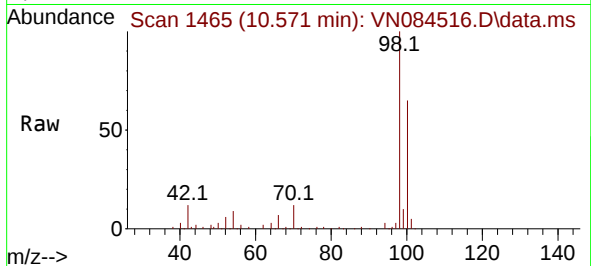




#50
1,1,2-Trichloroethane
Concen: 3.382 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.447 min
Lab File: VN084516.D
Acq: 25 Oct 2024 15:15

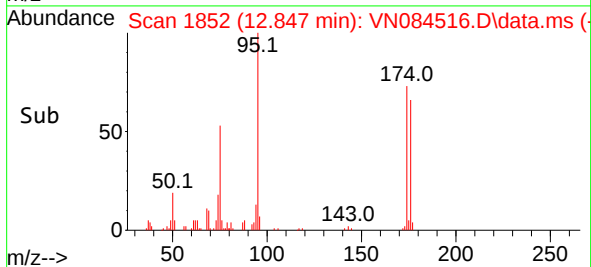
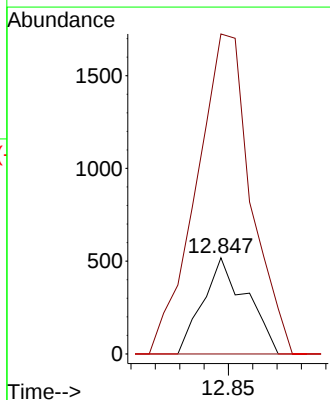
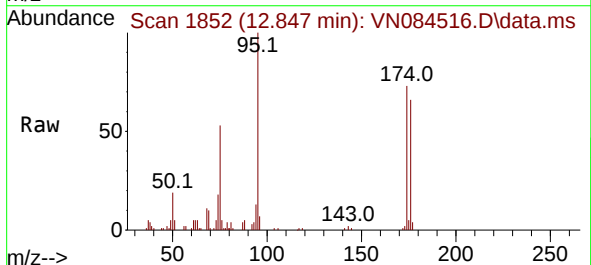
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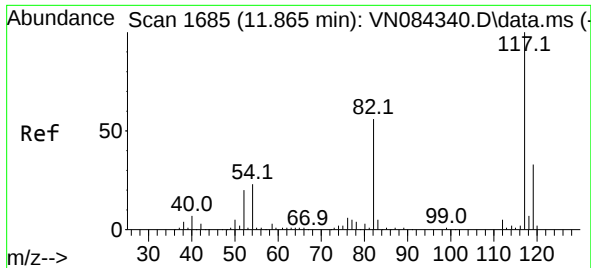
Tgt Ion:	97	Resp:	5469
Ion	Ratio	Lower	Upper
97	100		
83	5.6	67.8	101.8#
85	0.0	44.2	66.2#
99	304.9	47.8	71.8#



#56
Bromoform
Concen: 0.511 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN084516.D
Acq: 25 Oct 2024 15:15

Tgt Ion:	173	Resp:	647
Ion	Ratio	Lower	Upper
173	100		
175	416.8	39.4	59.2#
254	0.0	6.8	10.2#

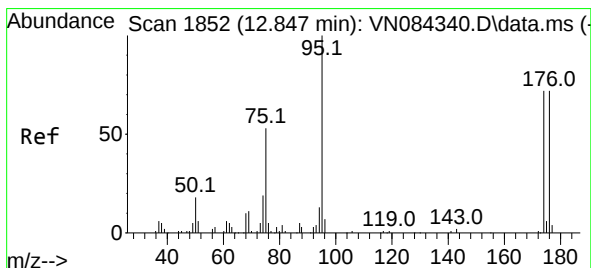
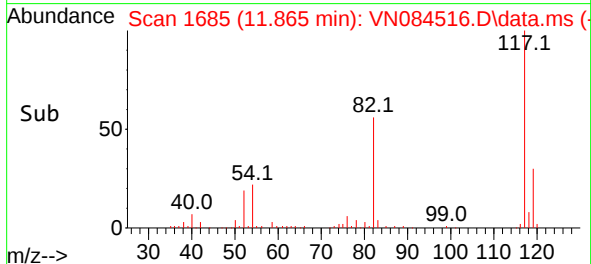
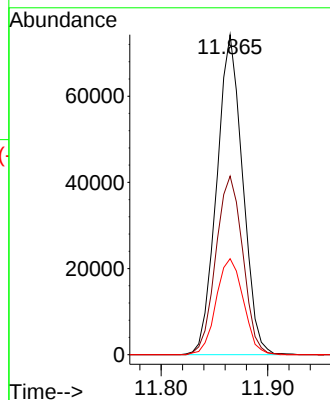
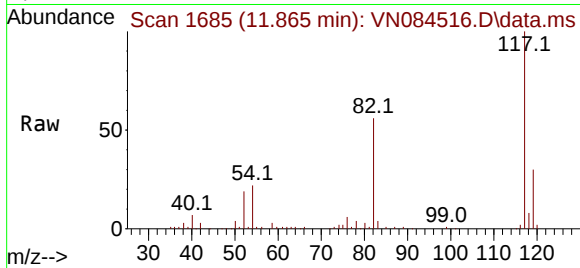




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN084516.D
Acq: 25 Oct 2024 15:15

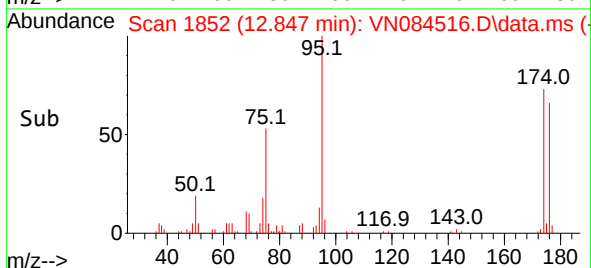
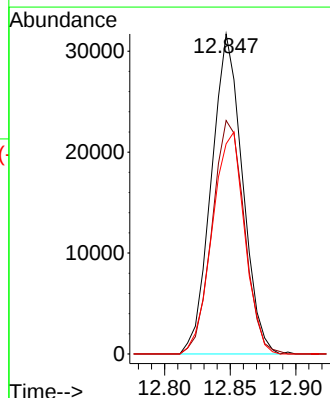
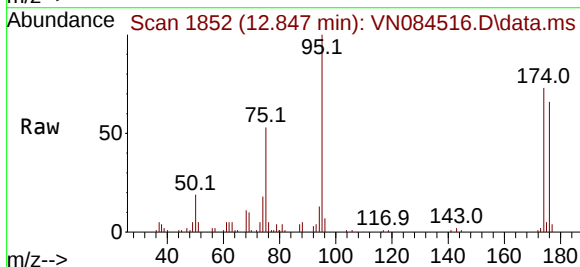
Instrument :
MSVOA_N
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TT-067-IDWGW-20241024

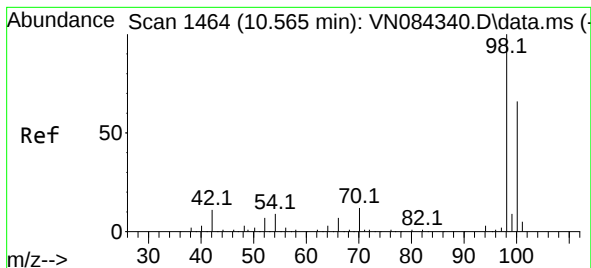
Tgt Ion:	117	Resp:	125598
Ion	Ratio	Lower	Upper
117	100		
82	58.0	46.2	69.4
119	31.5	25.4	38.2



#60
4-Bromofluorobenzene
Concen: 25.195 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084516.D
Acq: 25 Oct 2024 15:15

Tgt Ion:	95	Resp:	52227
Ion	Ratio	Lower	Upper
95	100		
174	75.7	58.2	87.2
176	72.4	56.4	84.6





#63

Toluene-d8

Concen: 28.545 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN084516.D

Acq: 25 Oct 2024 15:15

Instrument :

MSVOA_N

ClientSampleId :

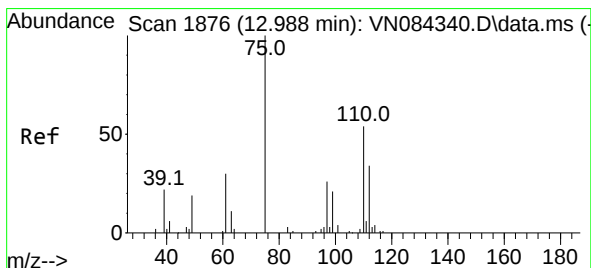
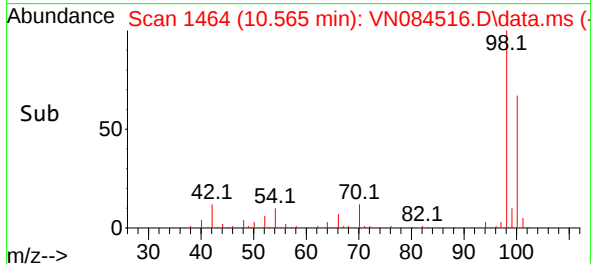
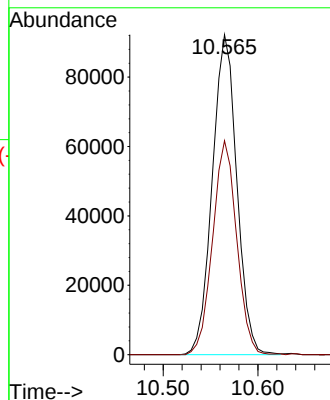
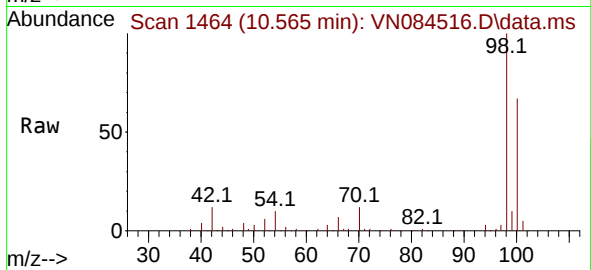
TT-067-IDWGW-20241024

Tgt Ion: 98 Resp: 166090

Ion Ratio Lower Upper

98 100

100 65.5 52.5 78.7



#72

1,2,3-Trichloropropane

Concen: 14.140 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084516.D

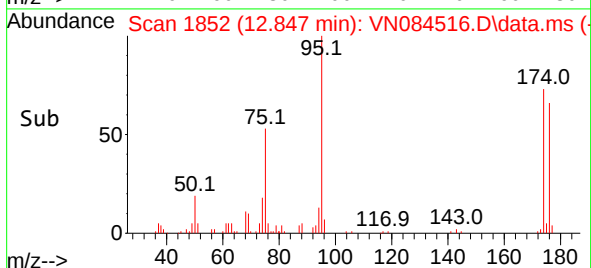
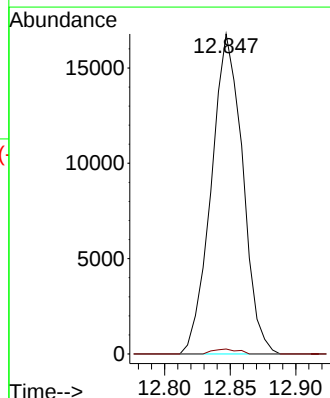
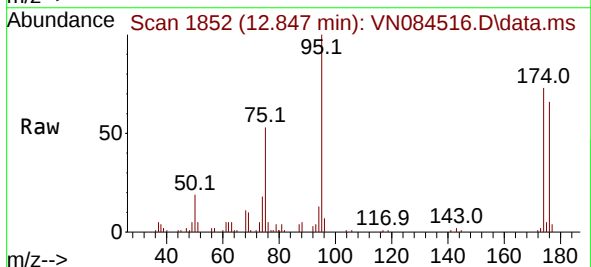
Acq: 25 Oct 2024 15:15

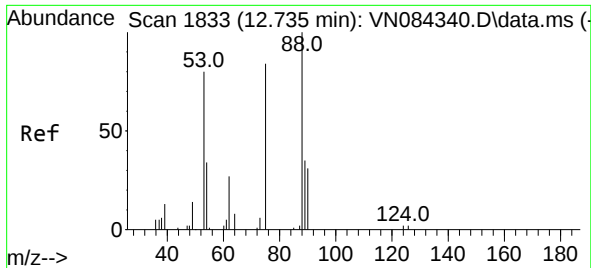
Tgt Ion: 75 Resp: 27936

Ion Ratio Lower Upper

75 100

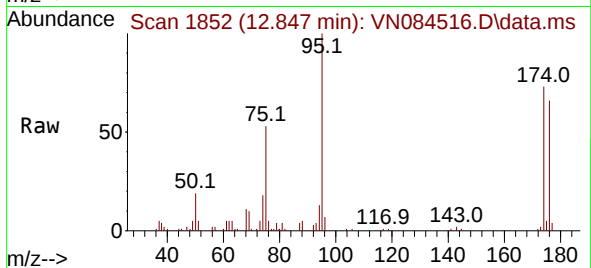
77 1.2 0.0 414.0





#77
t-1,4-Dichloro-2-butene
Concen: 33.090 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN084516.D
Acq: 25 Oct 2024 15:15

Instrument :
MSVOA_N
ClientSampleId :
TT-067-IDWGW-20241024



Tgt Ion: 75 Resp: 27936
Ion Ratio Lower Upper
75 100
53 0.0 47.3 142.0#
89 0.0 22.9 68.8#

