

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041125\
 Data File : VN086253.D
 Acq On : 11 Apr 2025 16:39
 Operator : JC\MD
 Sample : Q1774-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-074-IDWGW-20250409

Quant Time: Apr 12 01:51:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041125W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 12 01:21:52 2025
 Response via : Initial Calibration

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

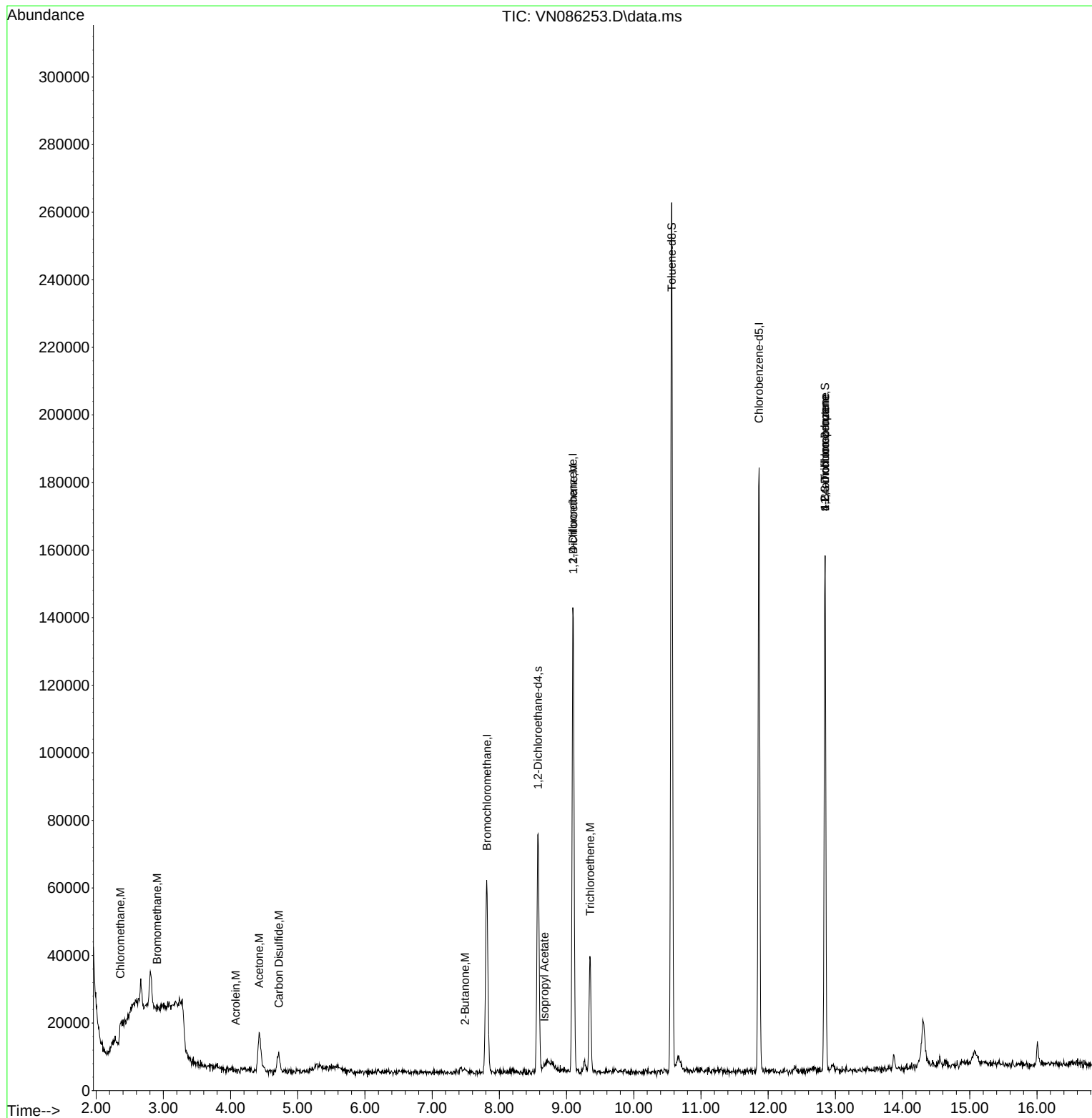
Internal Standards						
1) Bromochloromethane	7.818	128	19774	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	120171	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	102960	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	58937	30.558	ug/l	0.00
Spiked Amount	30.000	Range 91 - 110	Recovery	=	101.867%	
60) 4-Bromofluorobenzene	12.847	95	58540	28.558	ug/l	0.00
Spiked Amount	30.000	Range 63 - 112	Recovery	=	95.200%	
63) Toluene-d8	10.565	98	179971	30.962	ug/l	0.00
Spiked Amount	30.000	Range 91 - 112	Recovery	=	103.200%	
Target Compounds						
						Qvalue
3) Chloromethane	2.359	50	1598	0.730	ug/l #	67
5) Bromomethane	2.906	94	290	0.279	ug/l	90
13) Acrolein	4.077	56	204	0.844	ug/l	99
15) Acetone	4.424	58	3770	16.564	ug/l	87
16) Carbon Disulfide	4.718	76	1595	0.369	ug/l #	74
30) 2-Butanone	7.488	43	387	0.324	ug/l #	38
36) 1,2-Dichloroethane	9.100	62	4260	1.988	ug/l #	76
37) Trichloroethene	9.353	130	12262	7.420	ug/l	96
44) Isopropyl Acetate	8.671	43	1530	0.343	ug/l #	49
72) 1,2,3-Trichloropropane	12.847	75	29485	14.409	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	29485	31.250	ug/l #	12

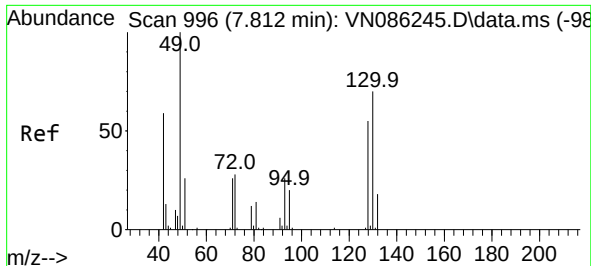
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Apr 12 01:21:52 2025
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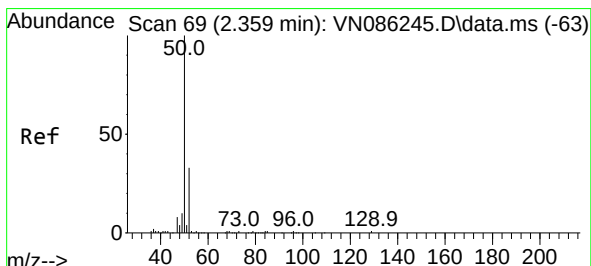
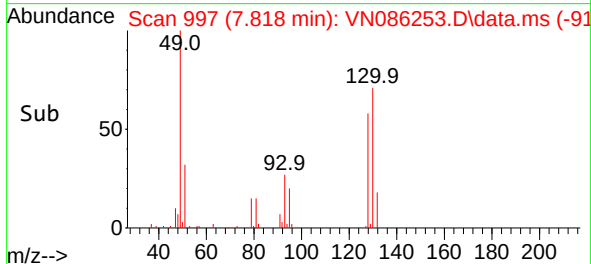
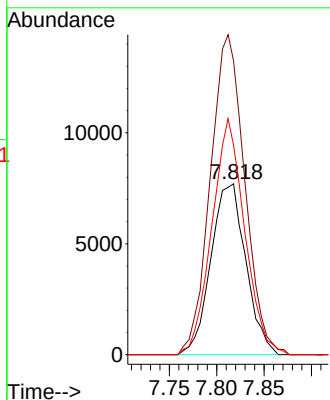
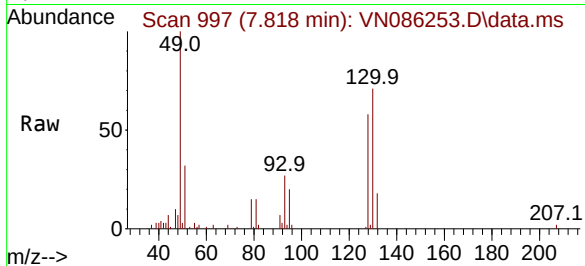




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN086253.D
Acq: 11 Apr 2025 16:39

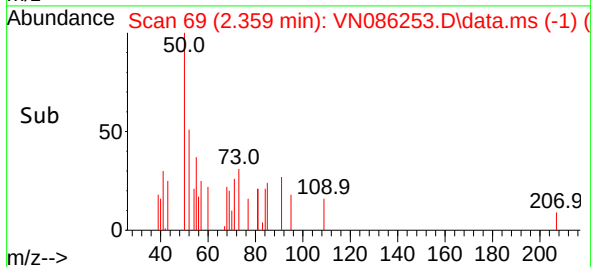
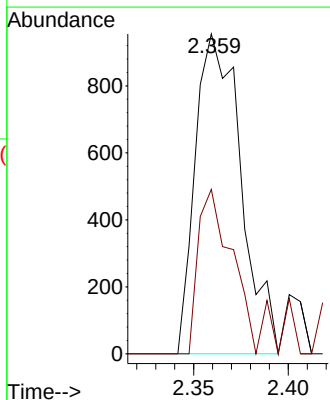
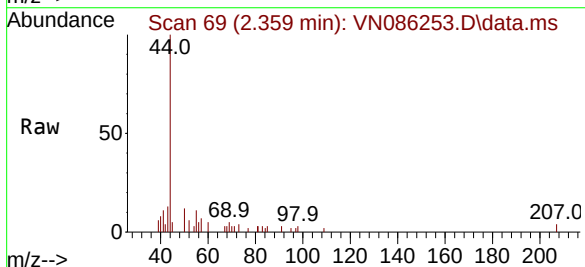
Instrument :
MSVOA_N
ClientSampleId :
TT-074-IDWGW-20250409

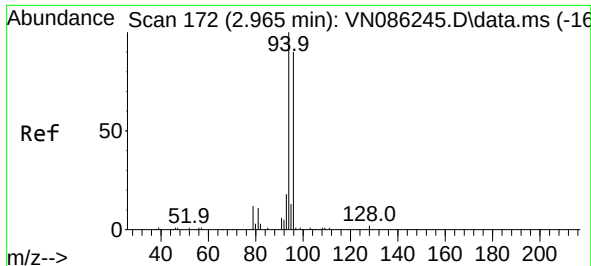
Tgt Ion:128 Resp: 19774
Ion Ratio Lower Upper
128 100
49 184.1 0.0 452.5
130 129.7 0.0 315.0



#3
Chloromethane
Concen: 0.730 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086253.D
Acq: 11 Apr 2025 16:39

Tgt Ion: 50 Resp: 1598
Ion Ratio Lower Upper
50 100
52 51.4 26.4 39.6#

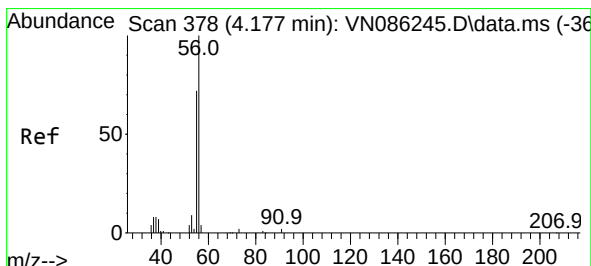
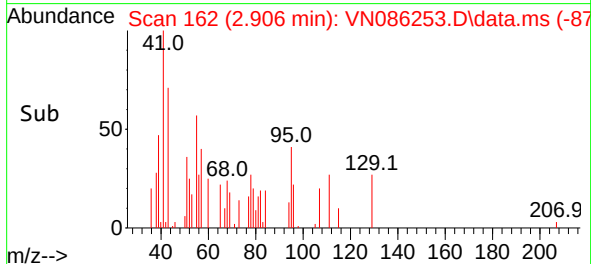
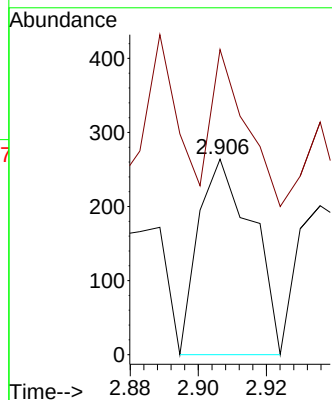
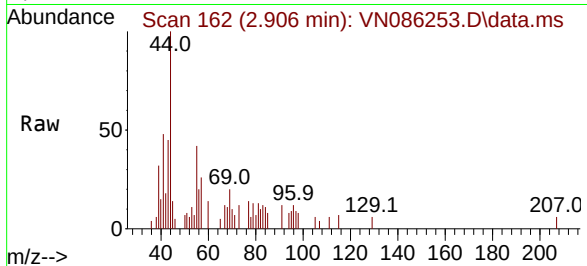




#5
Bromomethane
Concen: 0.279 ug/l
RT: 2.906 min Scan# 1
Delta R.T. -0.059 min
Lab File: VN086253.D
Acq: 11 Apr 2025 16:39

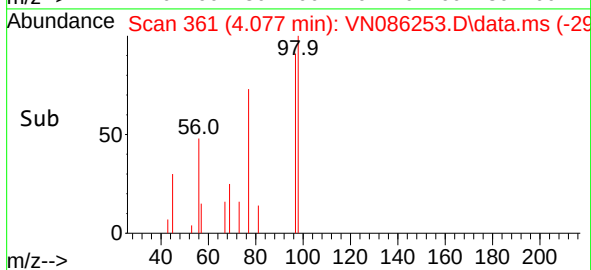
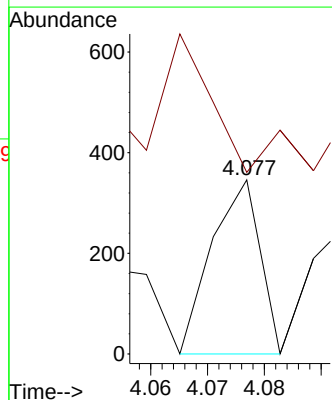
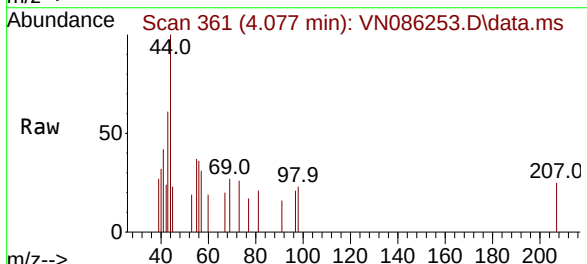
Instrument :
MSVOA_N
ClientSampleId :
TT-074-IDWGW-20250409

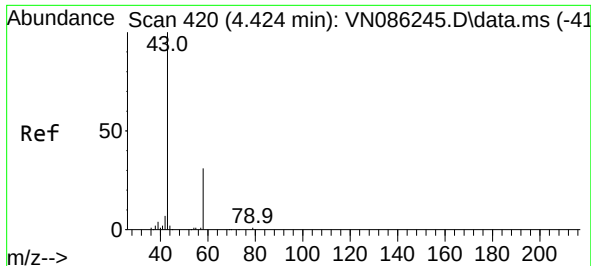
Tgt Ion: 94 Resp: 290
Ion Ratio Lower Upper
94 100
96 80.3 72.2 108.2



#13
Acrolein
Concen: 0.844 ug/l
RT: 4.077 min Scan# 361
Delta R.T. -0.100 min
Lab File: VN086253.D
Acq: 11 Apr 2025 16:39

Tgt Ion: 56 Resp: 204
Ion Ratio Lower Upper
56 100
55 71.6 56.5 84.7





#15

Acetone

Concen: 16.564 ug/l

RT: 4.424 min Scan# 41

Delta R.T. -0.000 min

Lab File: VN086253.D

Acq: 11 Apr 2025 16:39

Instrument :

MSVOA_N

ClientSampleId :

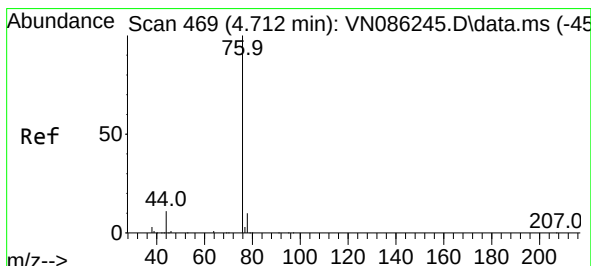
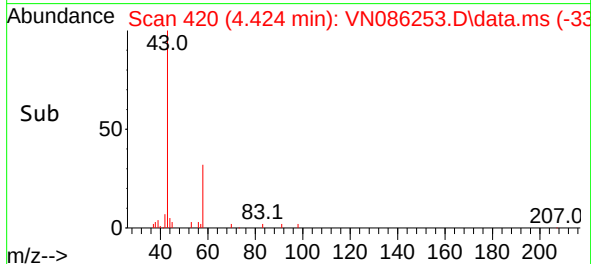
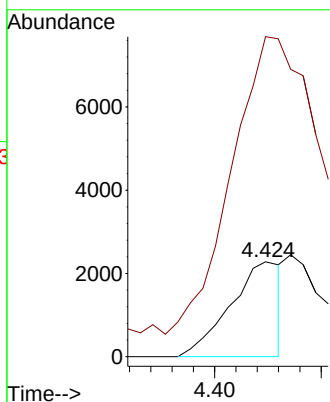
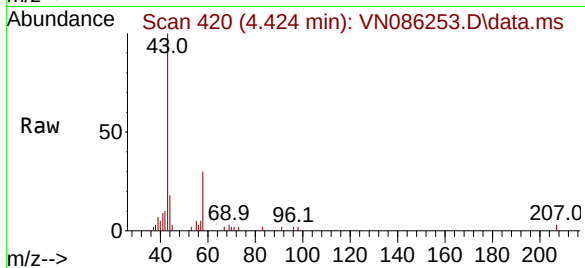
TT-074-IDWGW-20250409

Tgt Ion: 58 Resp: 3770

Ion Ratio Lower Upper

58 100

43 300.8 261.8 392.8



#16

Carbon Disulfide

Concen: 0.369 ug/l

RT: 4.718 min Scan# 470

Delta R.T. 0.006 min

Lab File: VN086253.D

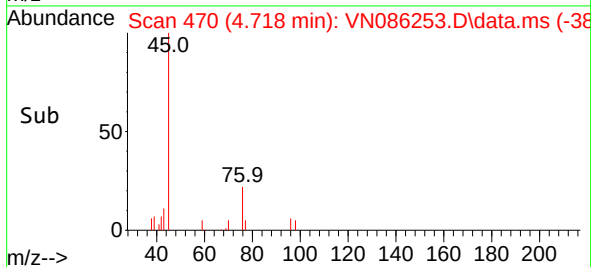
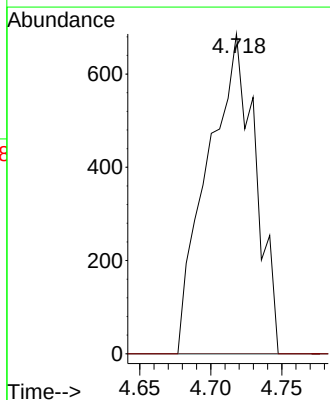
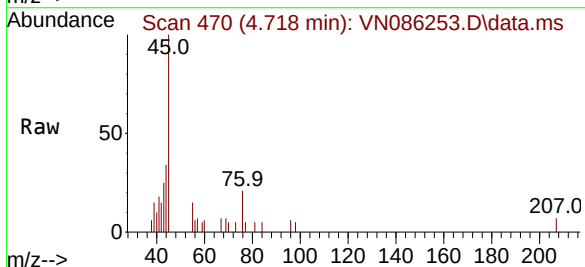
Acq: 11 Apr 2025 16:39

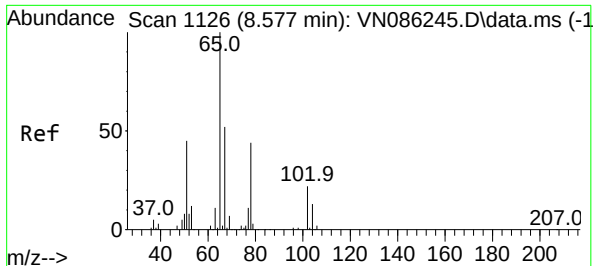
Tgt Ion: 76 Resp: 1595

Ion Ratio Lower Upper

76 100

78 0.0 7.7 11.5#





#27

1,2-Dichloroethane-d4

Concen: 30.558 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086253.D

Acq: 11 Apr 2025 16:39

Instrument :

MSVOA_N

ClientSampleId :

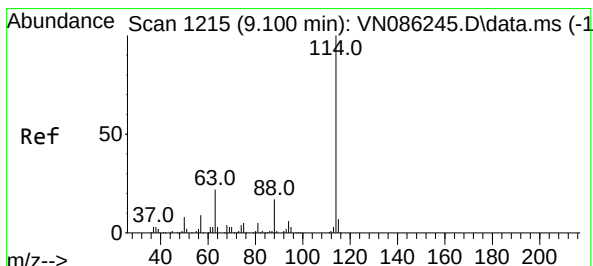
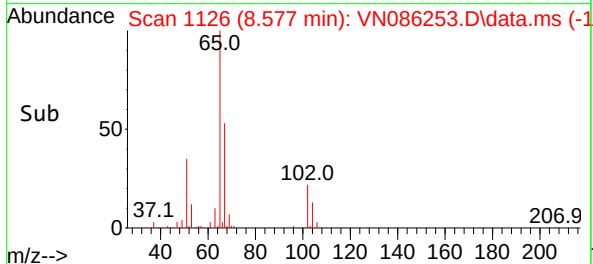
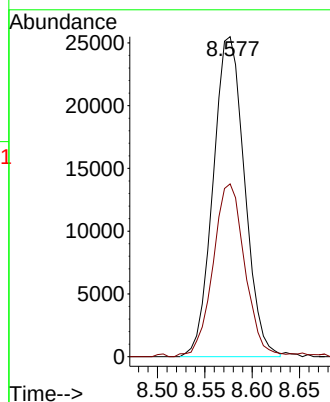
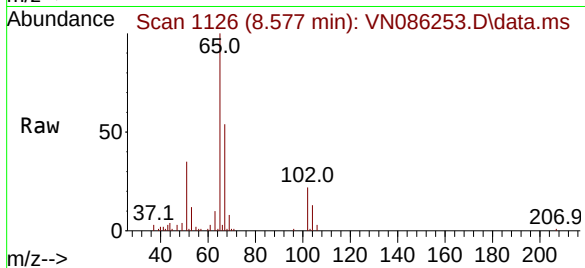
TT-074-IDWGW-20250409

Tgt Ion: 65 Resp: 58937

Ion Ratio Lower Upper

65 100

67 53.6 43.4 65.2



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. -0.006 min

Lab File: VN086253.D

Acq: 11 Apr 2025 16:39

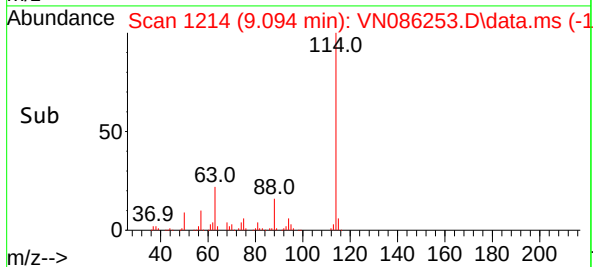
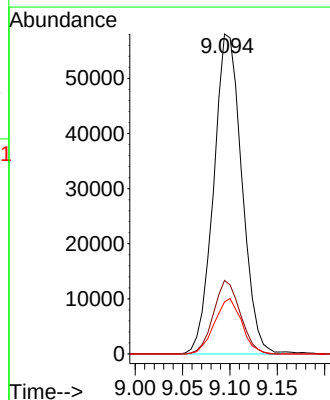
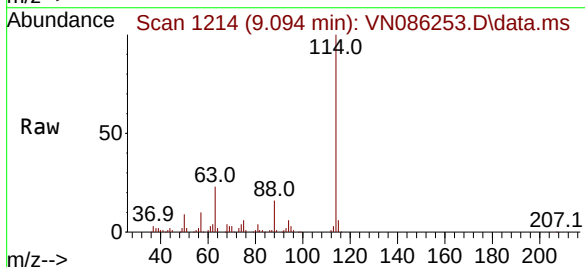
Tgt Ion: 114 Resp: 120171

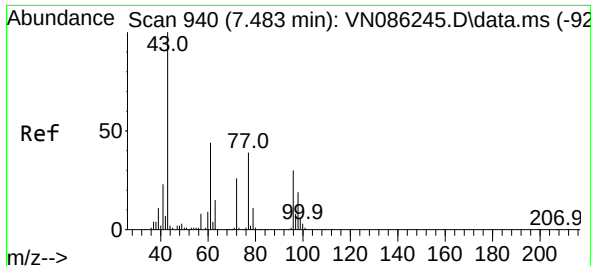
Ion Ratio Lower Upper

114 100

63 21.8 17.8 26.6

88 16.8 13.4 20.2

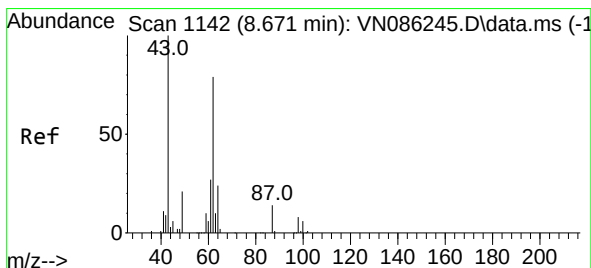
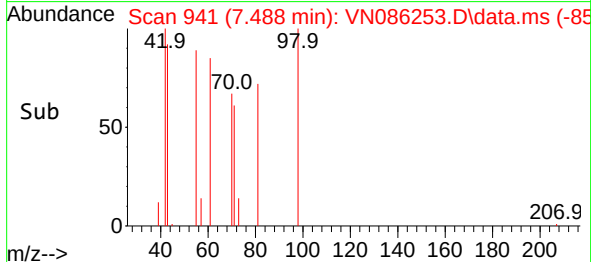
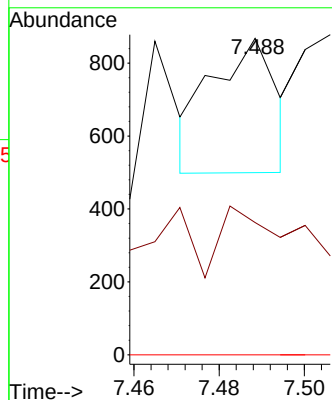
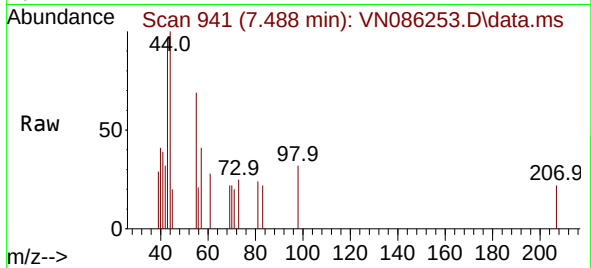




#30
2-Butanone
Concen: 0.324 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN086253.D
Acq: 11 Apr 2025 16:39

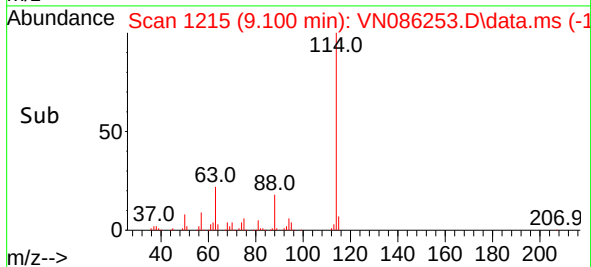
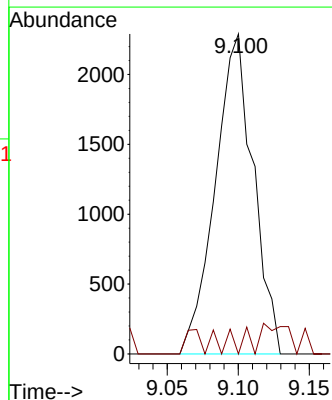
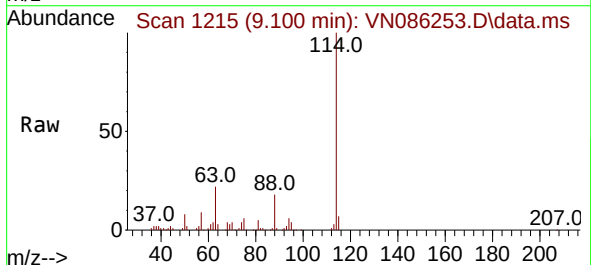
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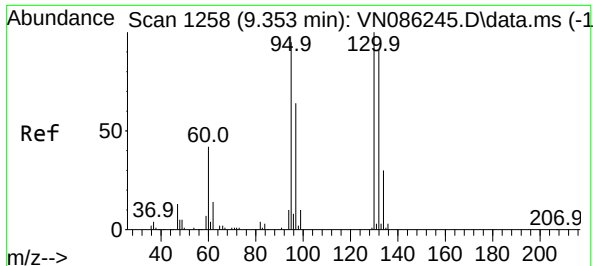
Tgt Ion: 43 Resp: 387
Ion Ratio Lower Upper
43 100
57 41.9 6.4 9.6#
72 0.0 21.5 32.3#



#36
1,2-Dichloroethane
Concen: 1.988 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.429 min
Lab File: VN086253.D
Acq: 11 Apr 2025 16:39

Tgt Ion: 62 Resp: 4260
Ion Ratio Lower Upper
62 100
98 1.6 8.6 12.8#





#37

Trichloroethene

Concen: 7.420 ug/l

RT: 9.353 min Scan# 1125

Delta R.T. -0.000 min

Lab File: VN086253.D

Acq: 11 Apr 2025 16:39

Instrument :

MSVOA_N

ClientSampleId :

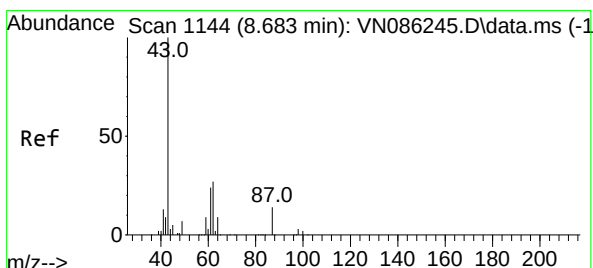
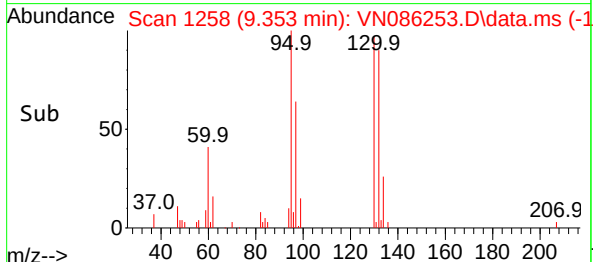
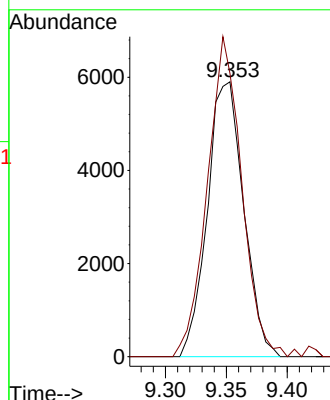
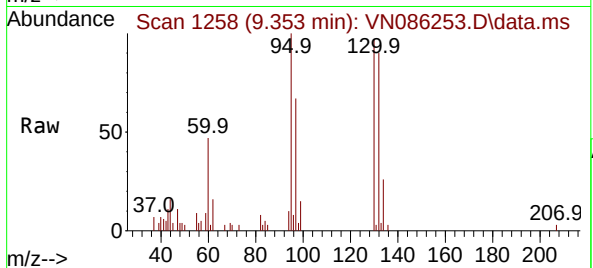
TT-074-IDWGW-20250409

Tgt Ion:130 Resp: 12262

Ion Ratio Lower Upper

130 100

95 99.6 76.4 114.6



#44

Isopropyl Acetate

Concen: 0.343 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. -0.012 min

Lab File: VN086253.D

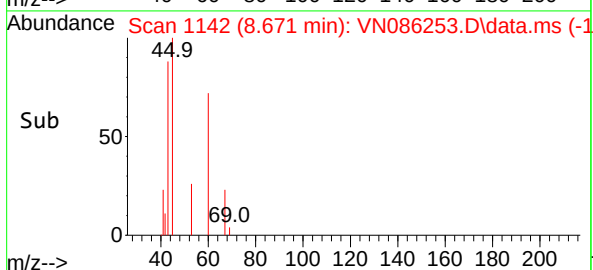
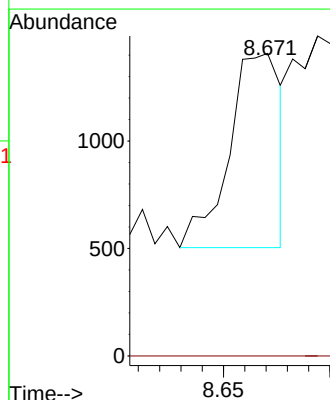
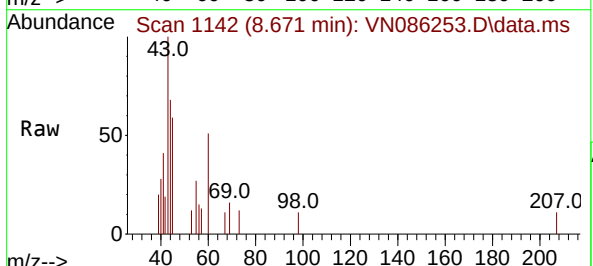
Acq: 11 Apr 2025 16:39

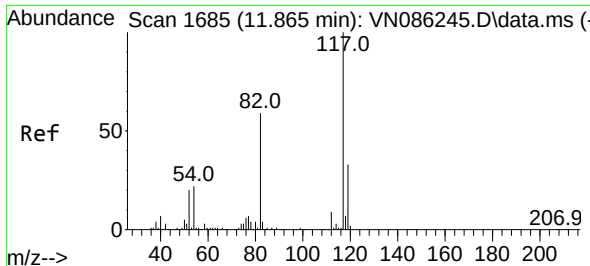
Tgt Ion: 43 Resp: 1530

Ion Ratio Lower Upper

43 100

61 0.0 20.5 30.7#

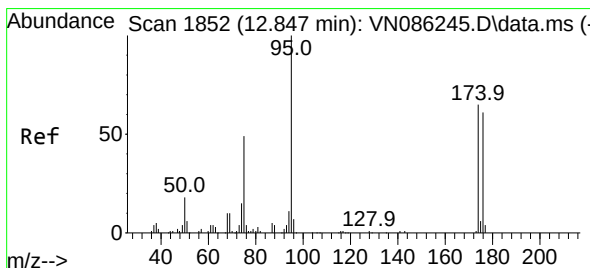
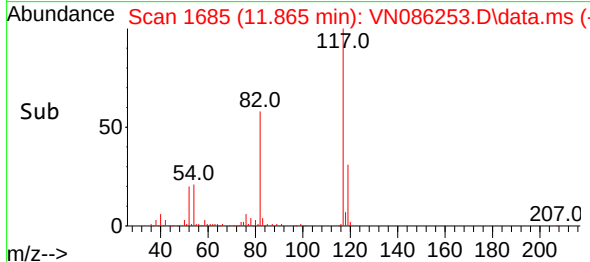
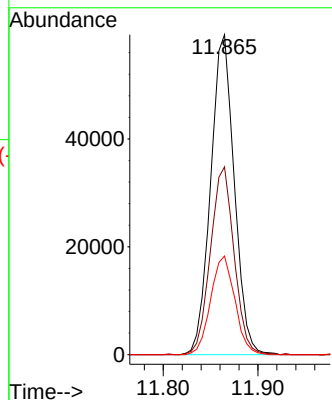
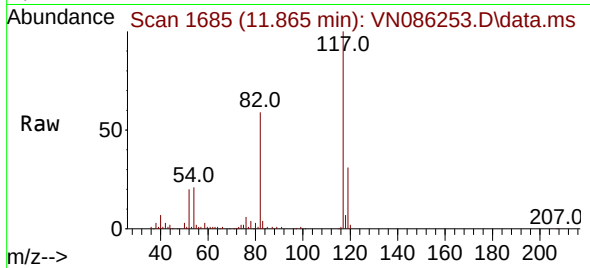




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086253.D
Acq: 11 Apr 2025 16:39

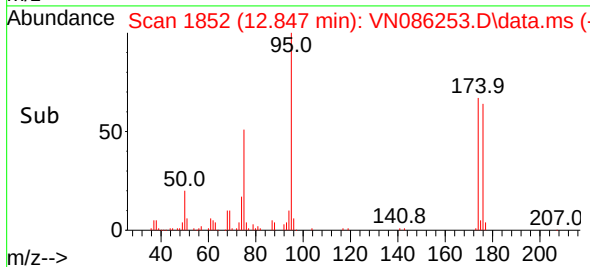
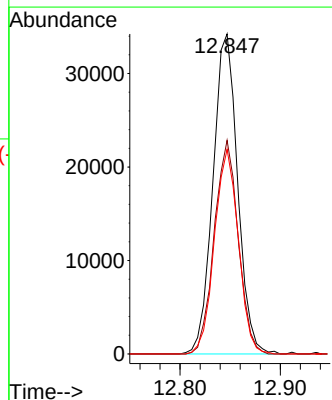
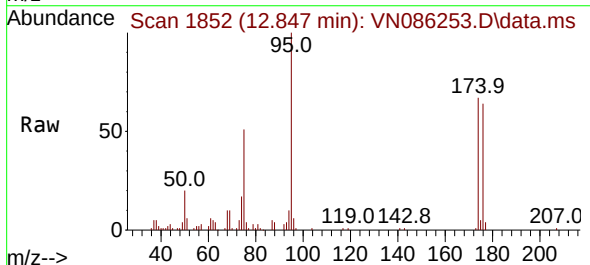
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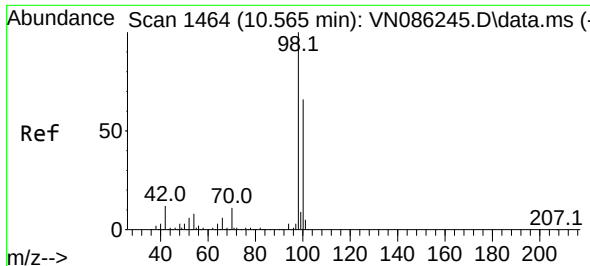
Tgt Ion:117 Resp: 102960
Ion Ratio Lower Upper
117 100
82 59.0 47.3 70.9
119 31.6 25.9 38.9



#60
4-Bromofluorobenzene
Concen: 28.558 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086253.D
Acq: 11 Apr 2025 16:39

Tgt Ion: 95 Resp: 58540
Ion Ratio Lower Upper
95 100
174 64.8 52.7 79.1
176 61.9 49.8 74.8

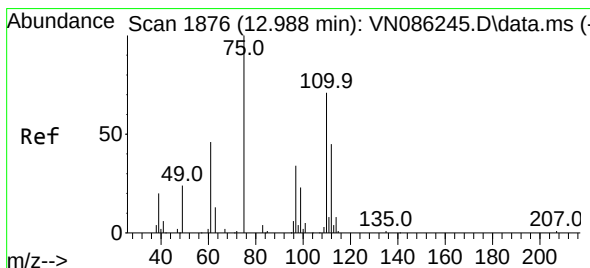
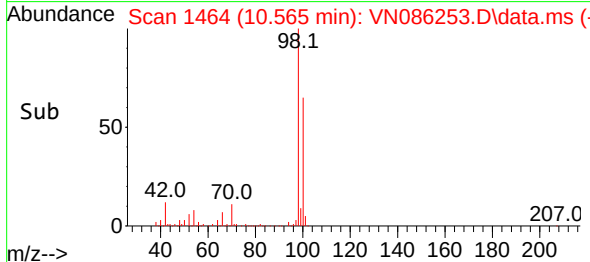
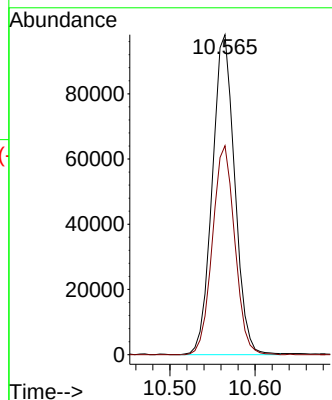
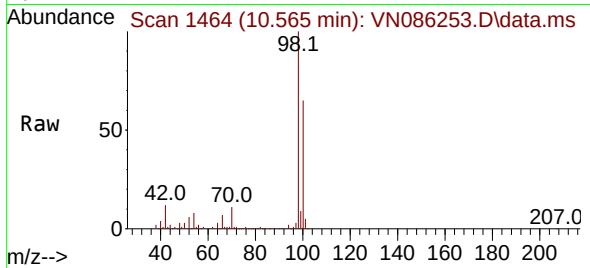




#63
Toluene-d8
Concen: 30.962 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086253.D
Acq: 11 Apr 2025 16:39

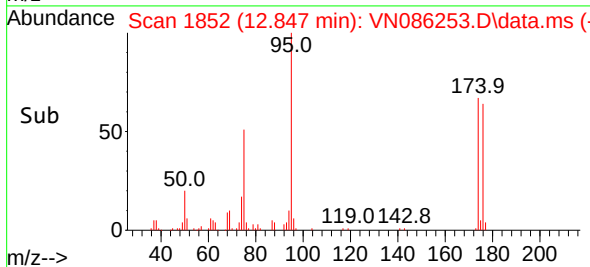
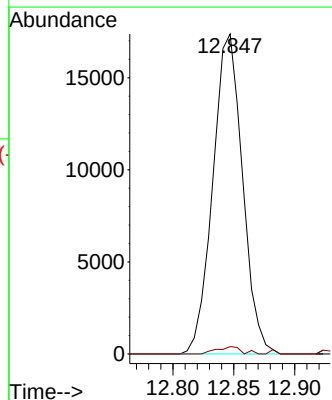
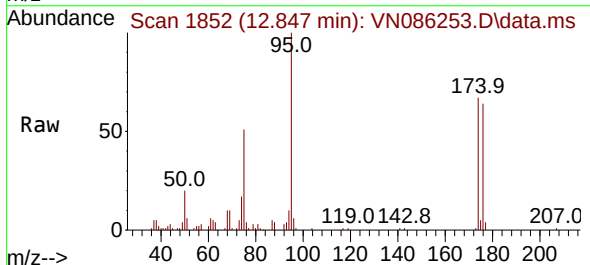
Instrument :
MSVOA_N
ClientSampleId :
TT-074-IDWGW-20250409

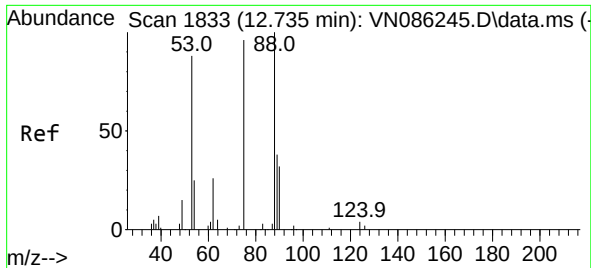
Tgt Ion: 98 Resp: 179971
Ion Ratio Lower Upper
98 100
100 64.9 52.3 78.5



#72
1,2,3-Trichloropropane
Concen: 14.409 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086253.D
Acq: 11 Apr 2025 16:39

Tgt Ion: 75 Resp: 29485
Ion Ratio Lower Upper
75 100
77 1.7 0.0 380.0





#77

t-1,4-Dichloro-2-butene

Concen: 31.250 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.112 min

Lab File: VN086253.D

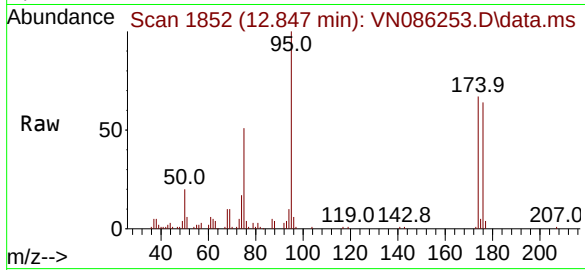
Acq: 11 Apr 2025 16:39

Instrument :

MSVOA_N

ClientSampleId :

TT-074-IDWGW-20250409



Tgt Ion: 75 Resp: 29485

Ion Ratio Lower Upper

75 100

53 0.0 46.4 139.2#

89 0.0 22.5 67.5#

