

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
 Data File : VN086387.D
 Acq On : 23 Apr 2025 17:12
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Apr 24 05:02:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 04:42:24 2025
 Response via : Initial Calibration

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

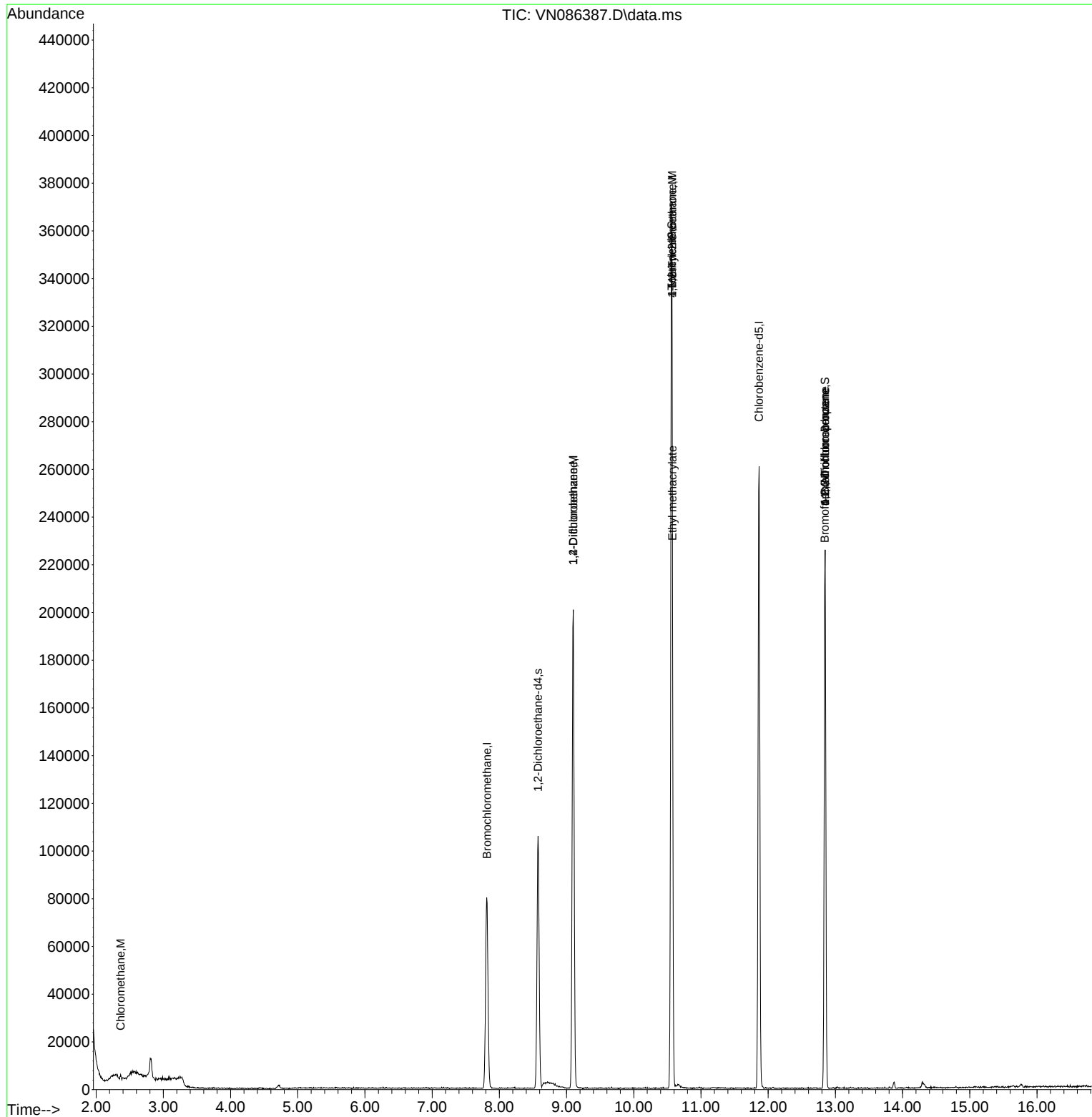
Internal Standards						
1) Bromochloromethane	7.818	128	29398	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	178040	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	155882	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	86700	30.589	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.967%
60) 4-Bromofluorobenzene	12.847	95	83216	27.162	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	90.533%
63) Toluene-d8	10.565	98	259313	30.238	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.800%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	639	0.222	ug/l	99
36) 1,2-Dichloroethane	9.100	62	5954	1.837	ug/l #	74
50) 1,1,2-Trichloroethane	10.571	97	7969	3.459	ug/l #	1
51) Ethyl methacrylate	10.576	69	820	0.204	ug/l #	47
56) Bromoform	12.841	173	435	0.259	ug/l #	1
58) 4-Methyl-2-Pentanone	10.571	43	1016	0.337	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	43201	17.278	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	43201	34.046	ug/l #	13

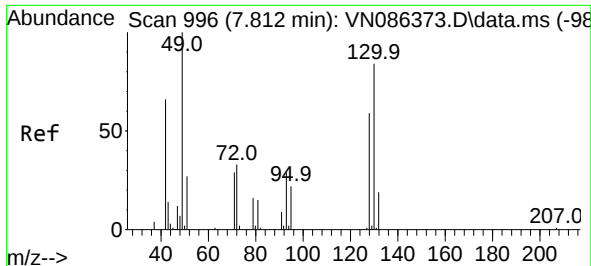
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
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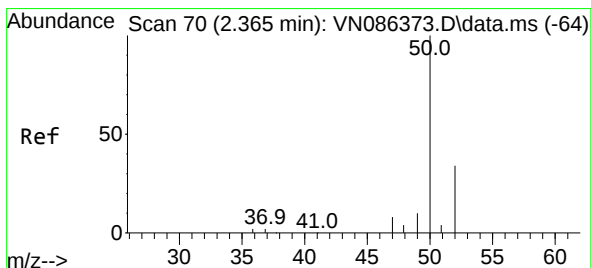
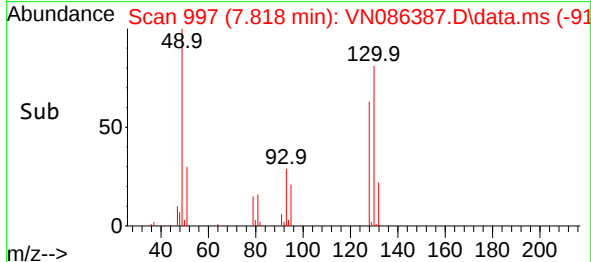
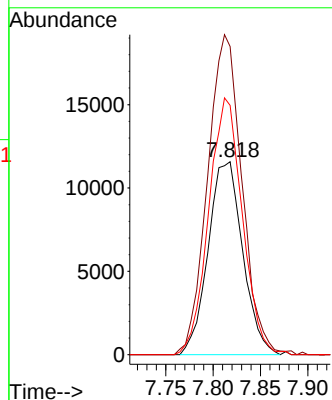
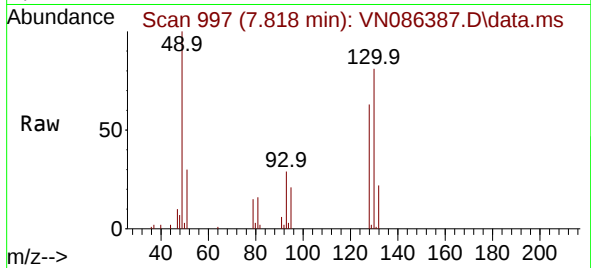




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN086387.D
Acq: 23 Apr 2025 17:12

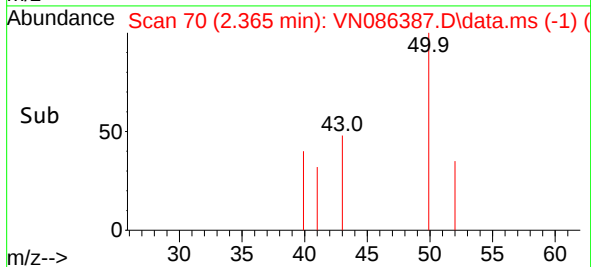
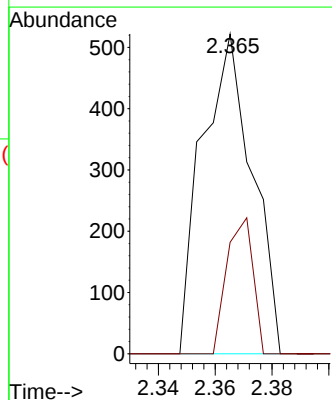
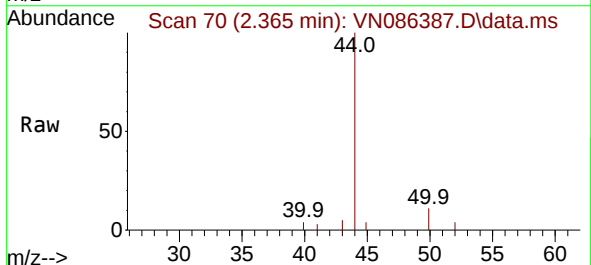
Instrument :
MSVOA_N
ClientSampleId :
IBLK

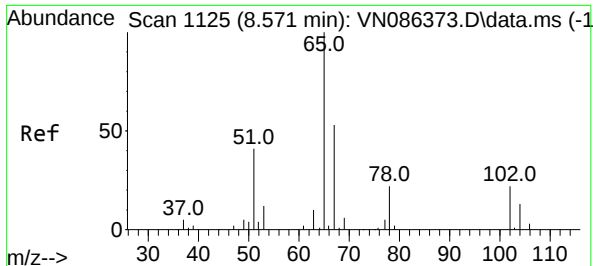
Tgt Ion:128 Resp: 29398
Ion Ratio Lower Upper
128 100
49 164.6 0.0 433.8
130 129.4 0.0 325.0



#3
Chloromethane
Concen: 0.222 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN086387.D
Acq: 23 Apr 2025 17:12

Tgt Ion: 50 Resp: 639
Ion Ratio Lower Upper
50 100
52 34.9 27.3 40.9





#27

1,2-Dichloroethane-d4

Concen: 30.589 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN086387.D

Acq: 23 Apr 2025 17:12

Instrument :

MSVOA_N

ClientSampleId :

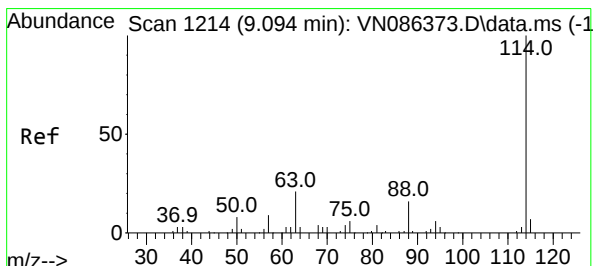
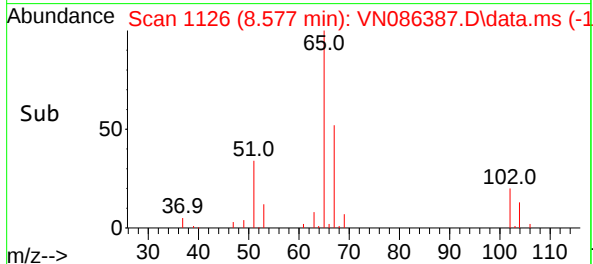
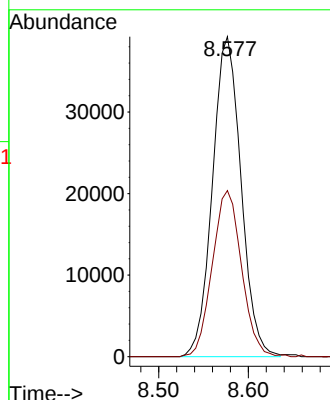
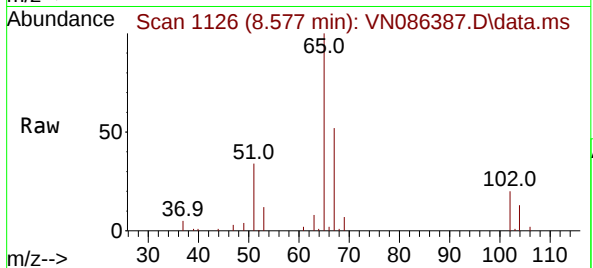
IBLK

Tgt Ion: 65 Resp: 86700

Ion Ratio Lower Upper

65 100

67 53.0 42.5 63.7



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN086387.D

Acq: 23 Apr 2025 17:12

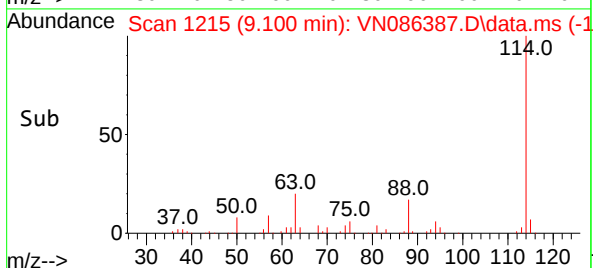
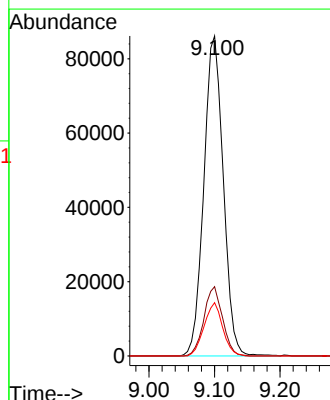
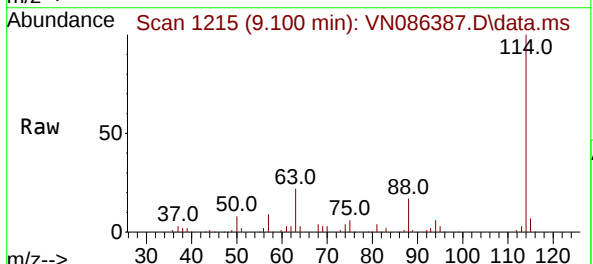
Tgt Ion: 114 Resp: 178040

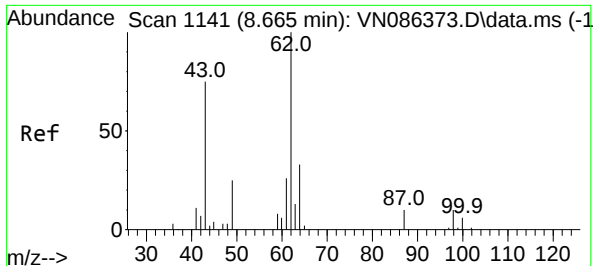
Ion Ratio Lower Upper

114 100

63 20.7 16.7 25.1

88 15.9 12.6 19.0





#36

1,2-Dichloroethane

Concen: 1.837 ug/l

RT: 9.100 min Scan# 1141

Delta R.T. 0.435 min

Lab File: VN086387.D

Acq: 23 Apr 2025 17:12

Instrument :

MSVOA_N

ClientSampleId :

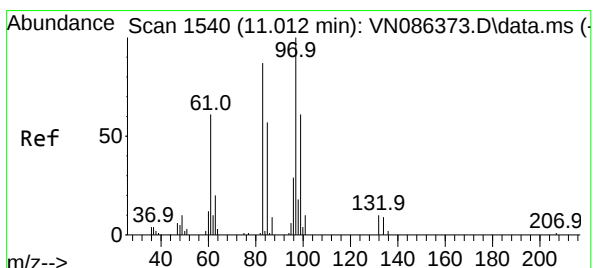
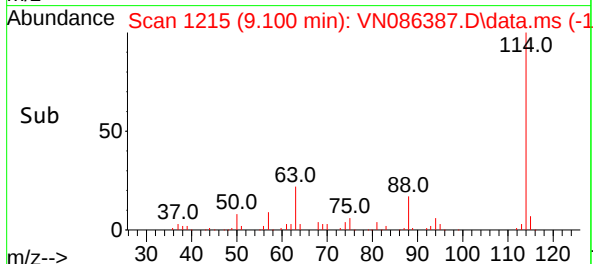
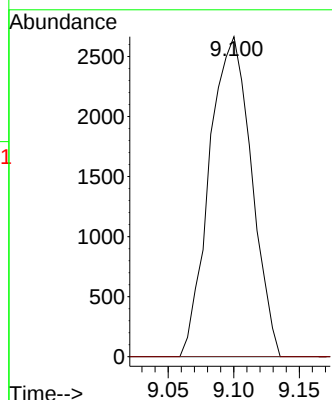
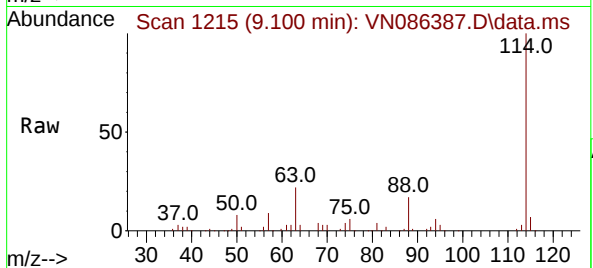
IBLK

Tgt Ion: 62 Resp: 5954

Ion Ratio Lower Upper

62 100

98 0.0 7.6 11.4#



#50

1,1,2-Trichloroethane

Concen: 3.459 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.441 min

Lab File: VN086387.D

Acq: 23 Apr 2025 17:12

Tgt Ion: 97 Resp: 7969

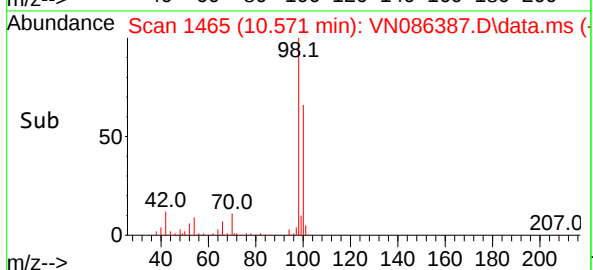
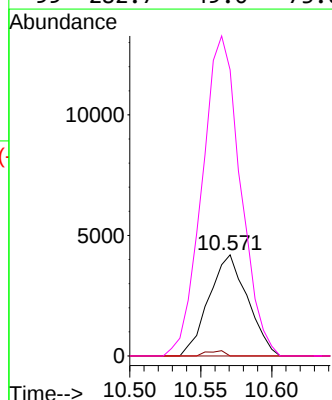
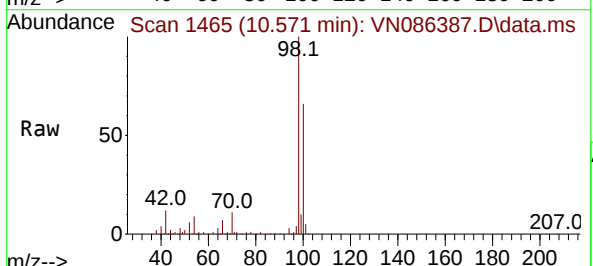
Ion Ratio Lower Upper

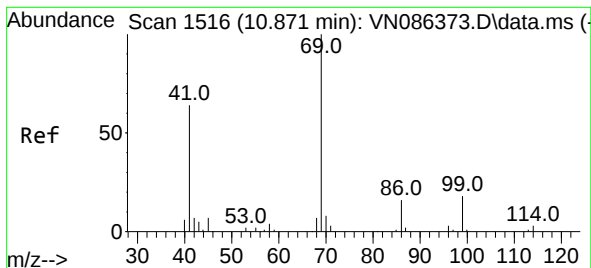
97 100

83 0.0 69.3 103.9#

85 0.0 45.5 68.3#

99 282.7 49.0 73.6#





#51

Ethyl methacrylate

Concen: 0.204 ug/l

RT: 10.576 min Scan# 1466

Delta R.T. -0.294 min

Lab File: VN086387.D

Acq: 23 Apr 2025 17:12

Instrument :

MSVOA_N

ClientSampleId :

IBLK

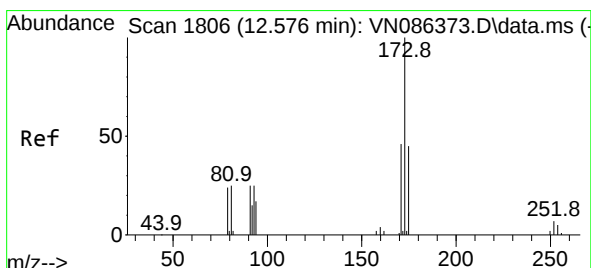
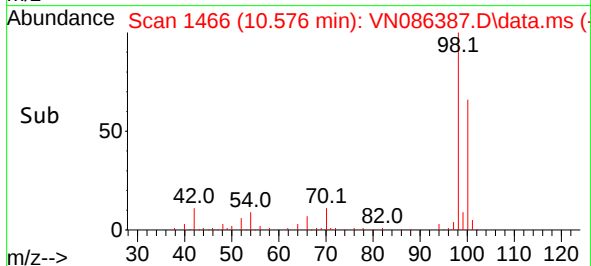
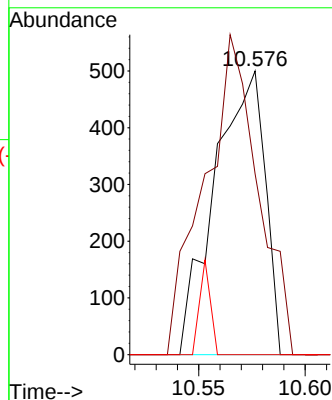
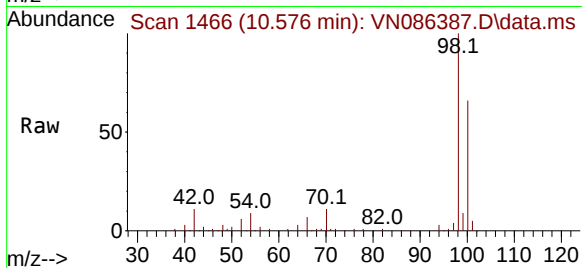
Tgt Ion: 69 Resp: 820

Ion Ratio Lower Upper

69 100

41 27.4 32.3 96.8#

39 0.0 19.1 57.1#



#56

Bromoform

Concen: 0.259 ug/l

RT: 12.841 min Scan# 1851

Delta R.T. 0.265 min

Lab File: VN086387.D

Acq: 23 Apr 2025 17:12

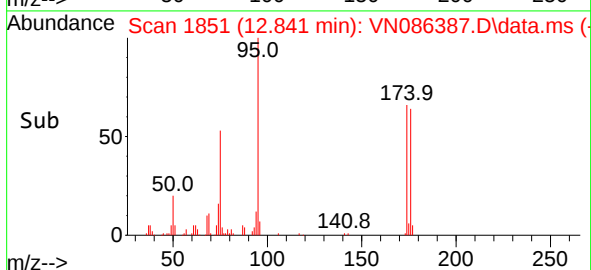
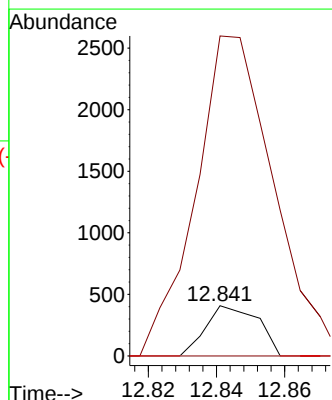
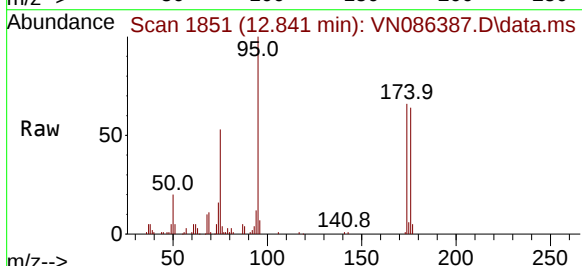
Tgt Ion:173 Resp: 435

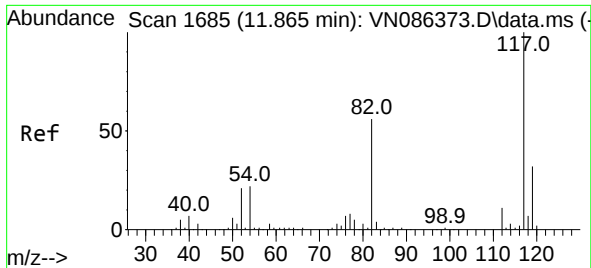
Ion Ratio Lower Upper

173 100

175 946.9 39.0 58.6#

254 0.0 3.8 5.6#

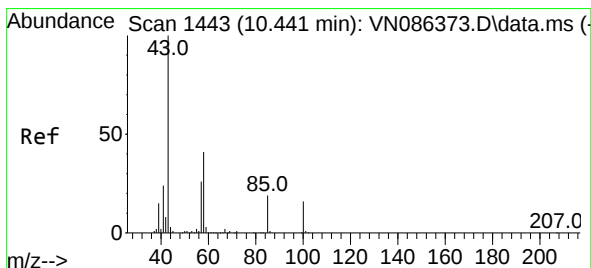
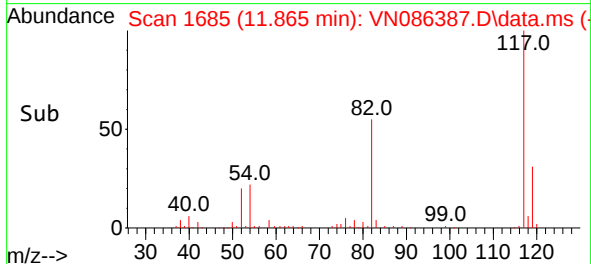
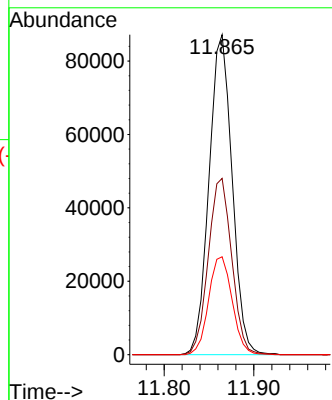
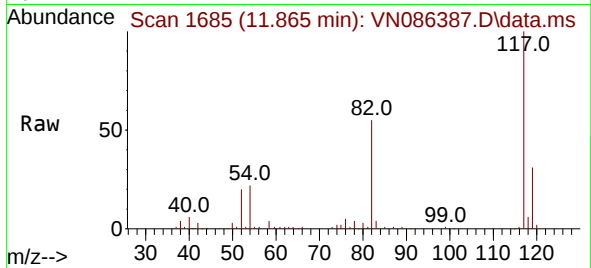




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN086387.D
Acq: 23 Apr 2025 17:12

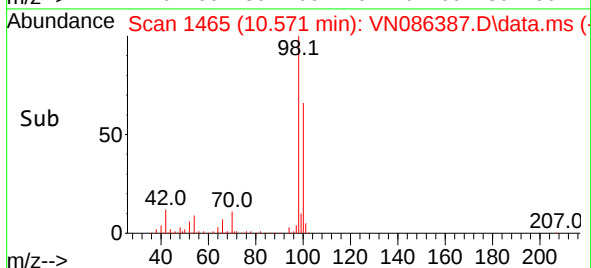
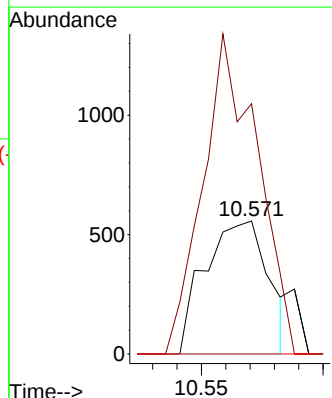
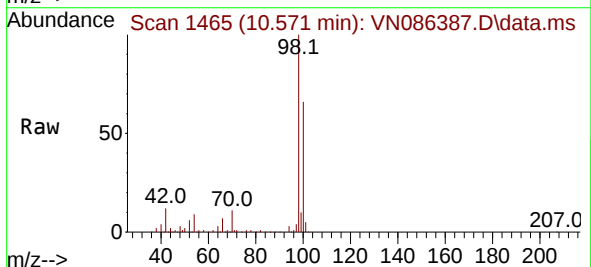
Instrument :
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IBLK

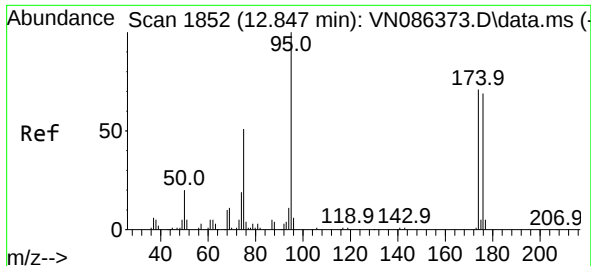
Tgt Ion:117 Resp: 155882
Ion Ratio Lower Upper
117 100
82 56.1 45.5 68.3
119 31.2 25.9 38.9



#58
4-Methyl-2-Pentanone
Concen: 0.337 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.129 min
Lab File: VN086387.D
Acq: 23 Apr 2025 17:12

Tgt Ion: 43 Resp: 1016
Ion Ratio Lower Upper
43 100
58 205.8 33.0 49.6#
85 0.0 14.9 22.3#

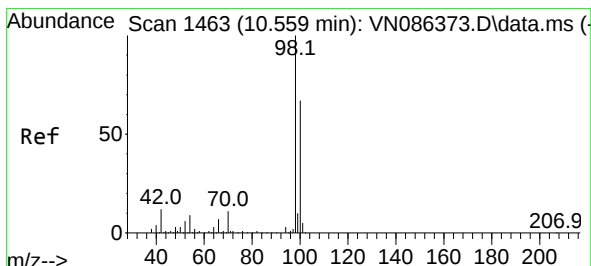
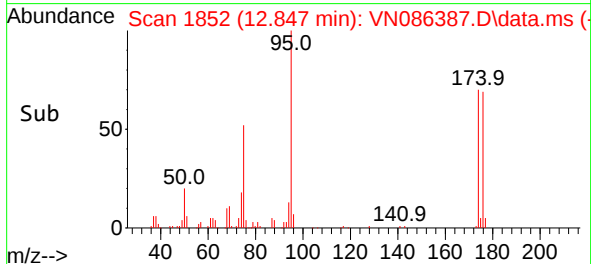
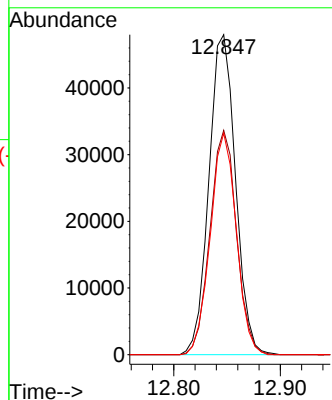
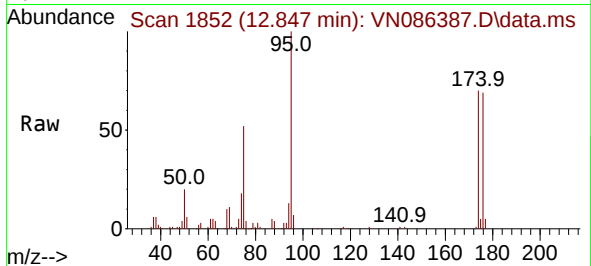




#60
4-Bromofluorobenzene
Concen: 27.162 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086387.D
Acq: 23 Apr 2025 17:12

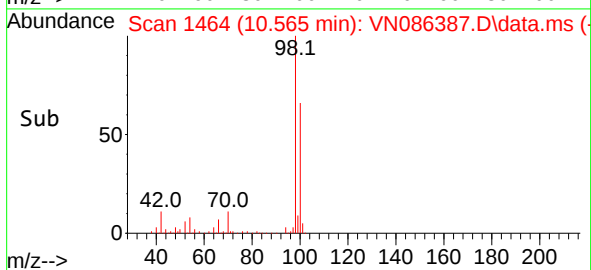
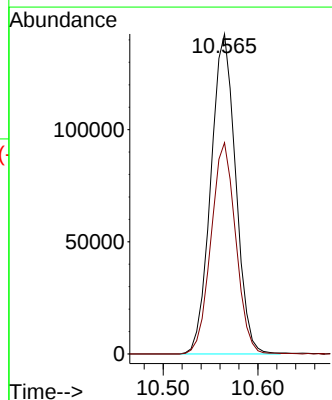
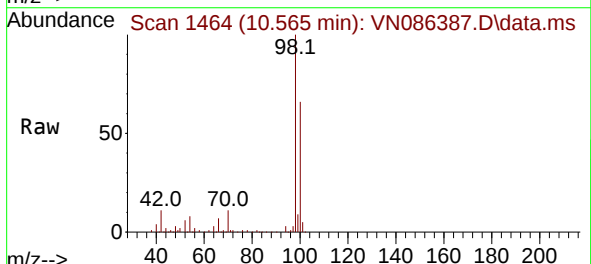
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IBLK

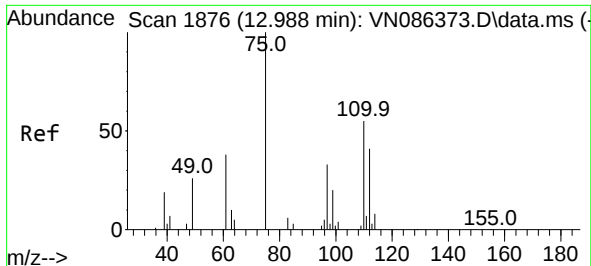
Tgt Ion: 95 Resp: 83216
Ion Ratio Lower Upper
95 100
174 69.7 56.6 84.8
176 67.6 53.3 79.9



#63
Toluene-d8
Concen: 30.238 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN086387.D
Acq: 23 Apr 2025 17:12

Tgt Ion: 98 Resp: 259313
Ion Ratio Lower Upper
98 100
100 65.6 53.1 79.7

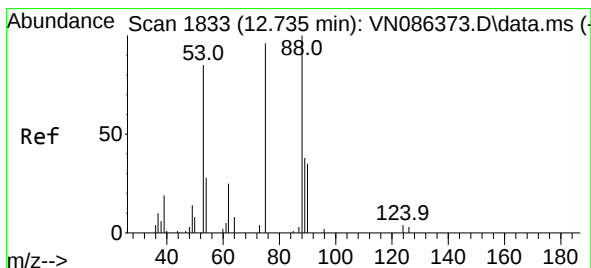
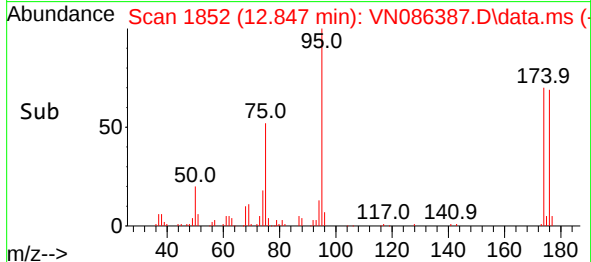
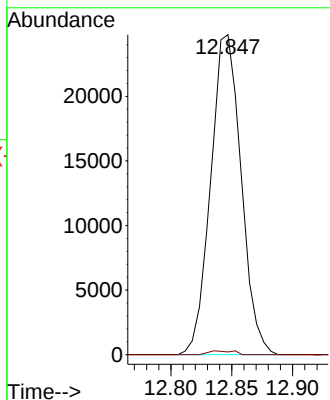
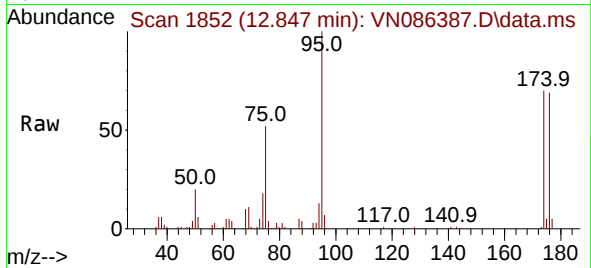




#72
1,2,3-Trichloropropane
Concen: 17.278 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086387.D
Acq: 23 Apr 2025 17:12

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 75 Resp: 43201
Ion Ratio Lower Upper
75 100
77 0.2 0.0 464.4



#77
t-1,4-Dichloro-2-butene
Concen: 34.046 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086387.D
Acq: 23 Apr 2025 17:12

Tgt Ion: 75 Resp: 43201
Ion Ratio Lower Upper
75 100
53 0.0 46.0 138.0#
89 0.0 21.6 64.6#

