

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
 Data File : VN086666.D
 Acq On : 16 May 2025 14:46
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: May 16 23:04:24 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)

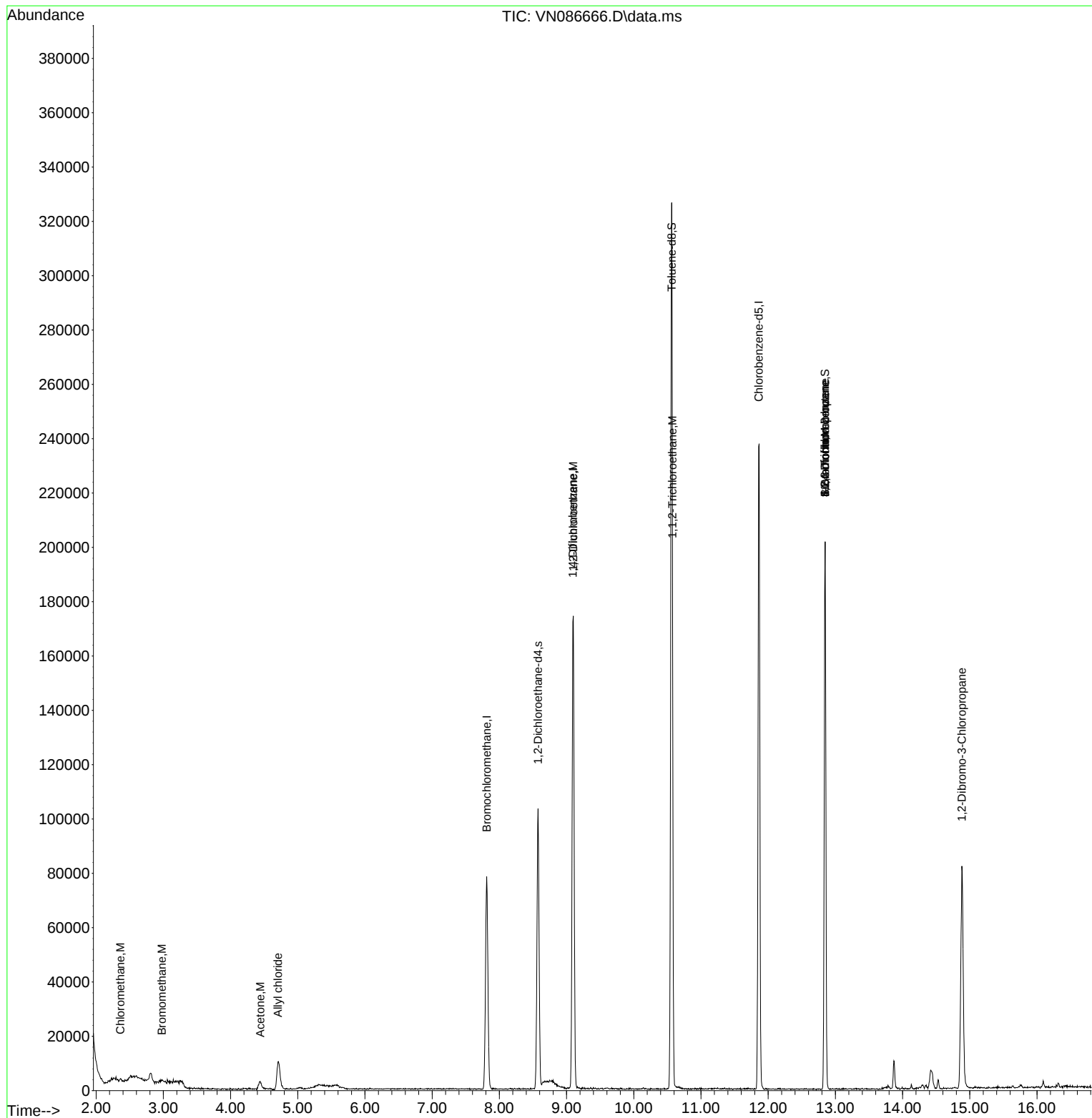
Internal Standards						
1) Bromochloromethane	7.812	128	29232	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	158846	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.859	117	146545	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	83817	29.740	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.133%
60) 4-Bromofluorobenzene	12.847	95	74934	26.017	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	86.733%
63) Toluene-d8	10.565	98	235729	29.239	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.467%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	765	0.267	ug/l	96
5) Bromomethane	2.977	94	363	0.253	ug/l	81
15) Acetone	4.442	58	1320	4.453	ug/l #	35
17) Allyl chloride	4.706	41	1273	0.390	ug/l	81
36) 1,2-Dichloroethane	9.100	62	5298	1.832	ug/l #	74
50) 1,1,2-Trichloroethane	10.576	97	7861	3.825	ug/l #	1
56) Bromoform	12.847	173	301	0.201	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	36883	15.691	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	36883	30.918	ug/l #	13
88) 1,2-Dibromo-3-Chloropr...	14.882	75	6401	11.680	ug/l #	8

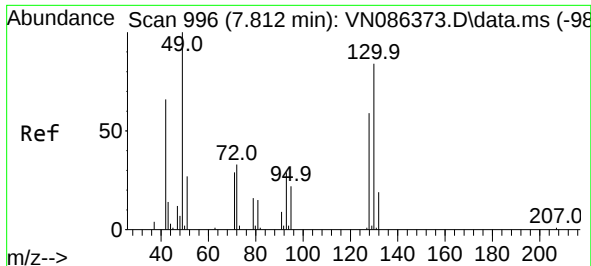
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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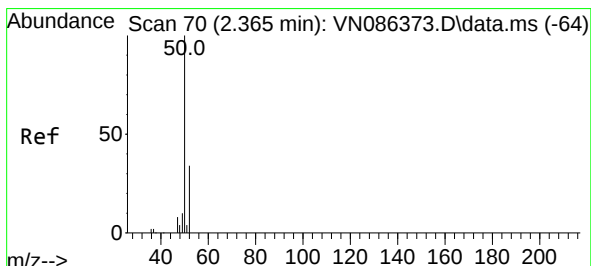
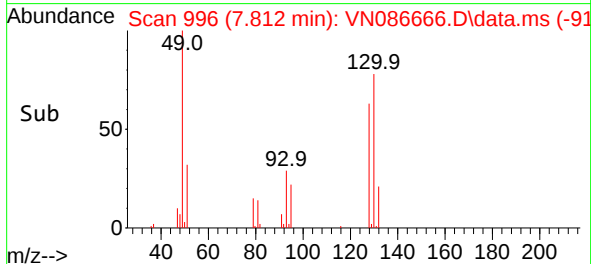
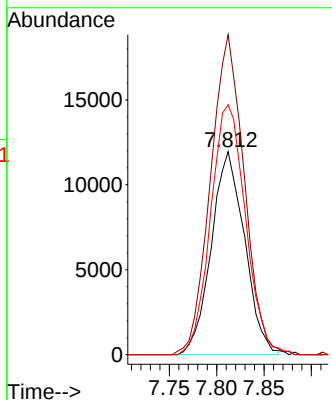
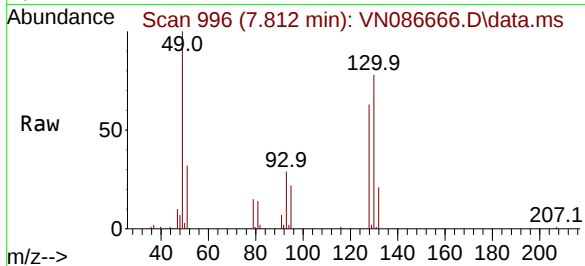




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN086666.D
Acq: 16 May 2025 14:46

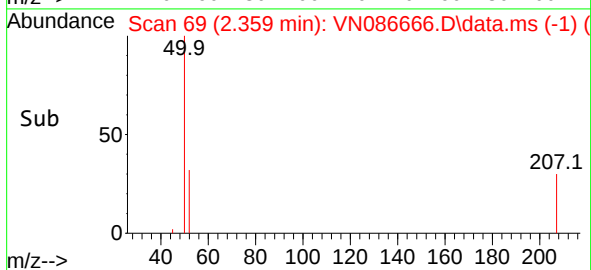
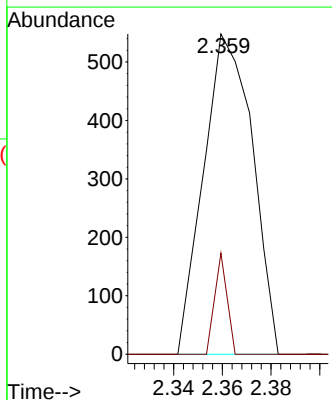
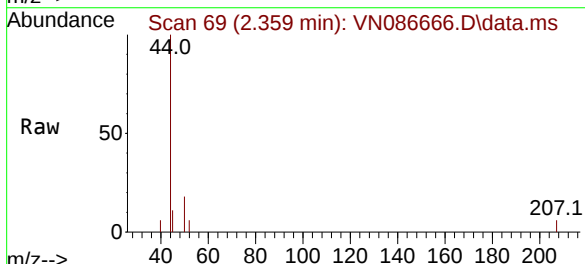
Instrument :
MSVOA_N
ClientSampleId :
IBLK

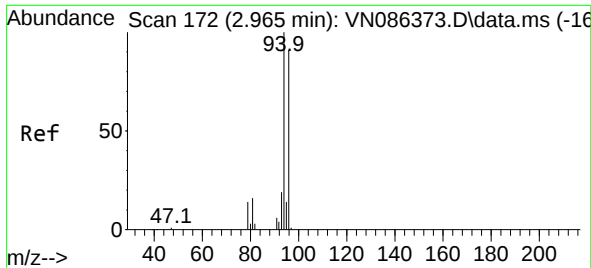
Tgt Ion:128 Resp: 29232
Ion Ratio Lower Upper
128 100
49 159.2 0.0 433.8
130 129.4 0.0 325.0



#3
Chloromethane
Concen: 0.267 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.006 min
Lab File: VN086666.D
Acq: 16 May 2025 14:46

Tgt Ion: 50 Resp: 765
Ion Ratio Lower Upper
50 100
52 31.6 27.3 40.9

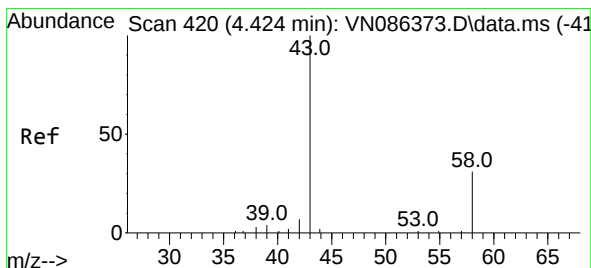
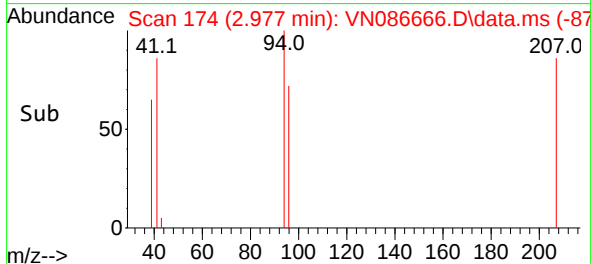
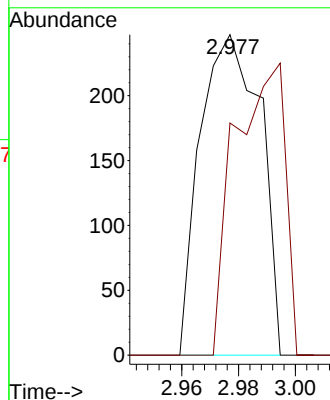
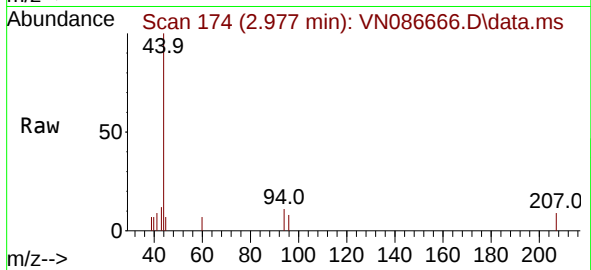




#5
Bromomethane
Concen: 0.253 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN086666.D
Acq: 16 May 2025 14:46

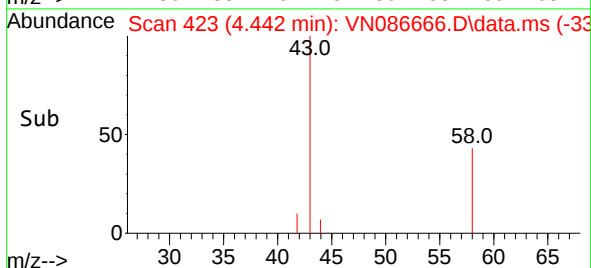
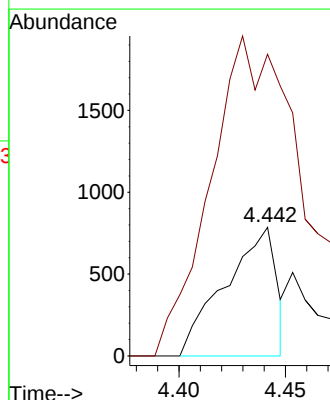
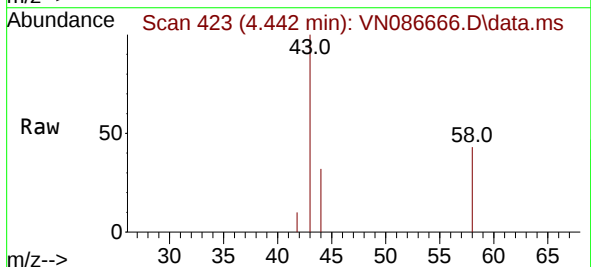
Instrument :
MSVOA_N
ClientSampleId :
IBLK

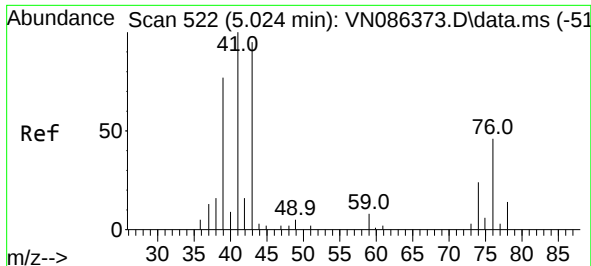
Tgt Ion: 94 Resp: 363
Ion Ratio Lower Upper
94 100
96 72.5 72.4 108.6



#15
Acetone
Concen: 4.453 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.018 min
Lab File: VN086666.D
Acq: 16 May 2025 14:46

Tgt Ion: 58 Resp: 1320
Ion Ratio Lower Upper
58 100
43 187.0 255.1 382.7#





#17

Allyl chloride

Concen: 0.390 ug/l

RT: 4.706 min Scan# 4

Delta R.T. -0.318 min

Lab File: VN086666.D

Acq: 16 May 2025 14:46

Instrument :

MSVOA_N

ClientSampleId :

IBLK

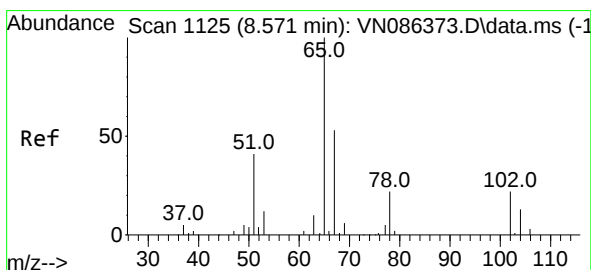
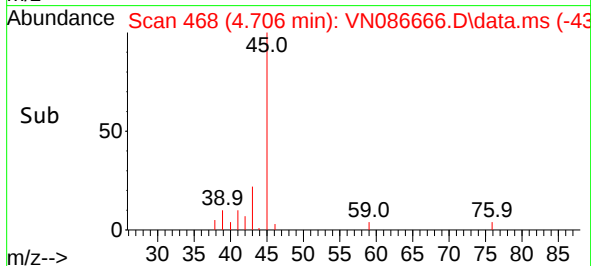
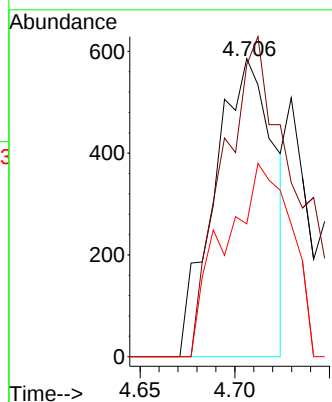
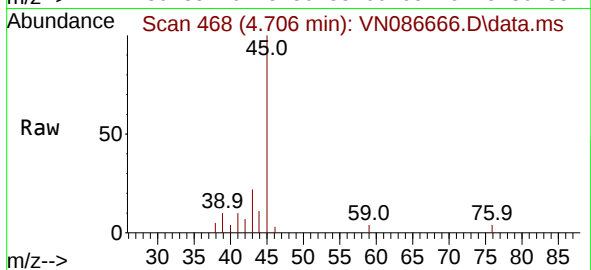
Tgt Ion: 41 Resp: 1273

Ion Ratio Lower Upper

41 100

39 98.0 36.7 110.1

76 44.5 21.8 65.4



#27

1,2-Dichloroethane-d4

Concen: 29.740 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN086666.D

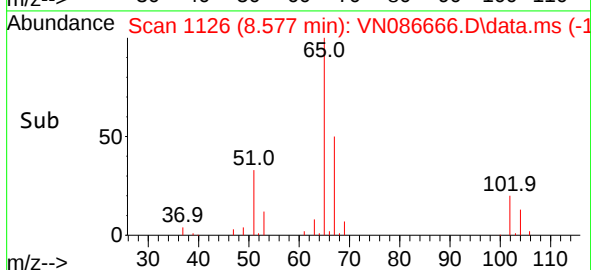
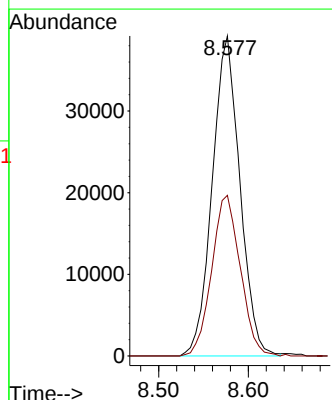
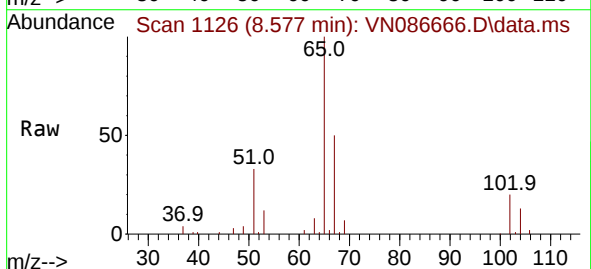
Acq: 16 May 2025 14:46

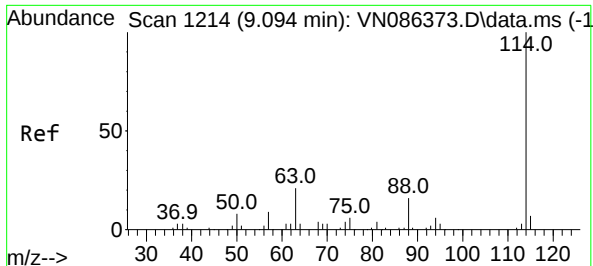
Tgt Ion: 65 Resp: 83817

Ion Ratio Lower Upper

65 100

67 51.8 42.5 63.7





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.094 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN086666.D

Acq: 16 May 2025 14:46

Instrument :

MSVOA_N

ClientSampleId :

IBLK

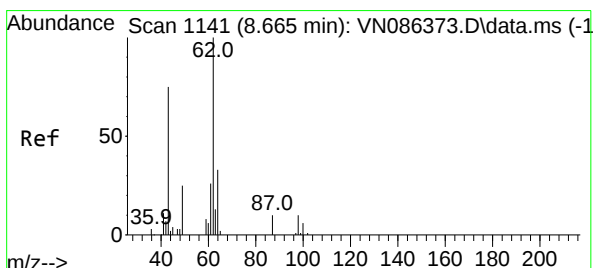
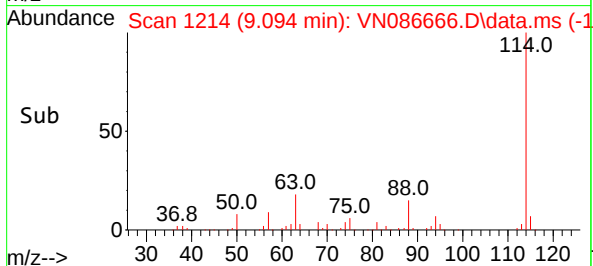
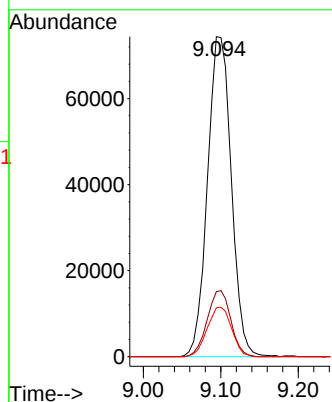
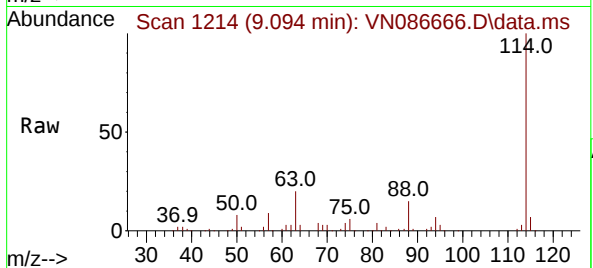
Tgt Ion:114 Resp: 158846

Ion Ratio Lower Upper

114 100

63 20.4 16.7 25.1

88 15.8 12.6 19.0



#36

1,2-Dichloroethane

Concen: 1.832 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.435 min

Lab File: VN086666.D

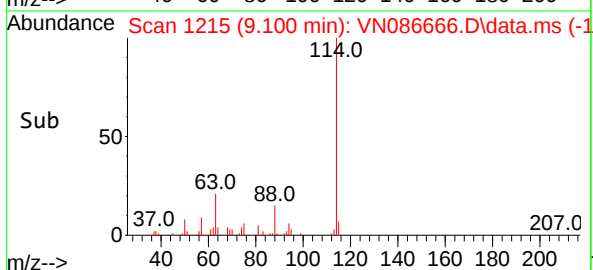
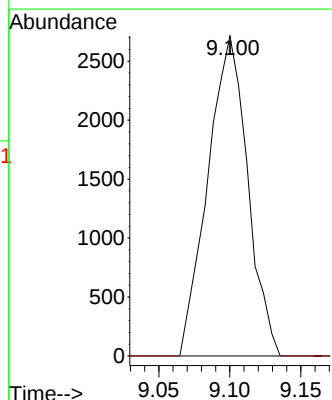
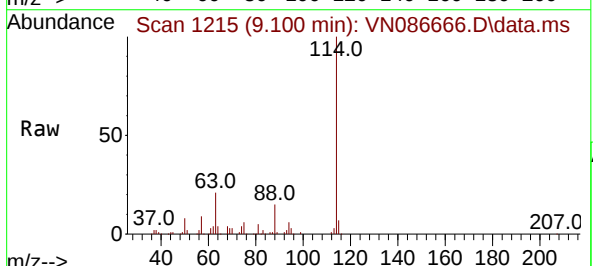
Acq: 16 May 2025 14:46

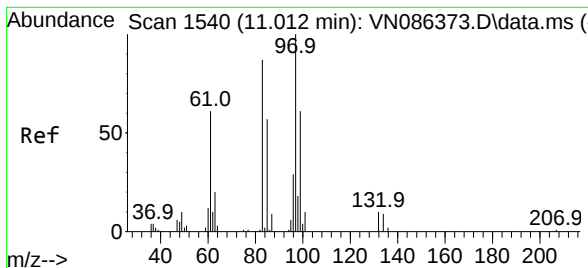
Tgt Ion: 62 Resp: 5298

Ion Ratio Lower Upper

62 100

98 0.0 7.6 11.4#

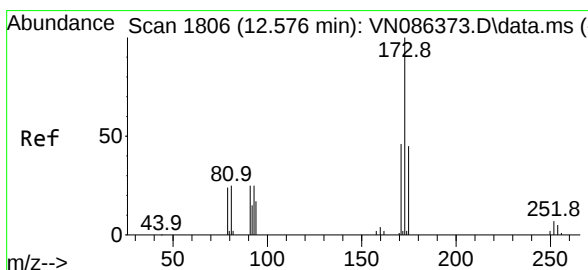
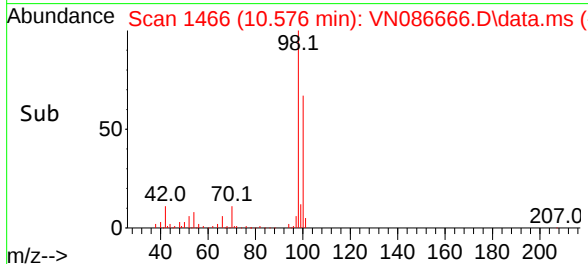
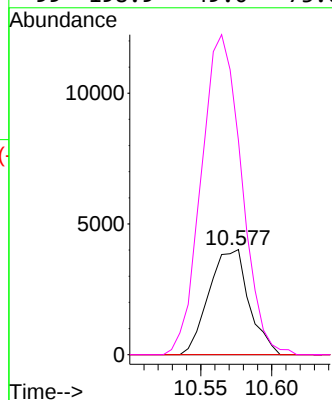
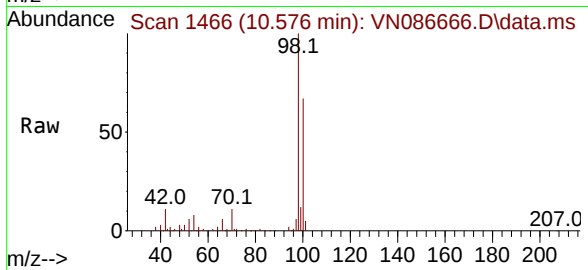




#50
1,1,2-Trichloroethane
Concen: 3.825 ug/l
RT: 10.576 min Scan# 14
Delta R.T. -0.435 min
Lab File: VN086666.D
Acq: 16 May 2025 14:46

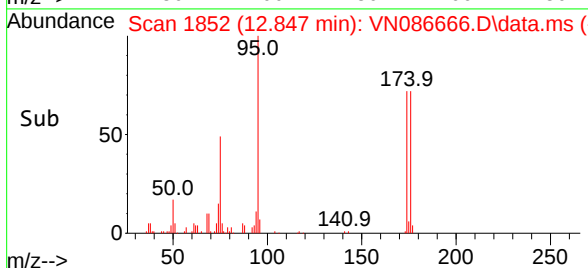
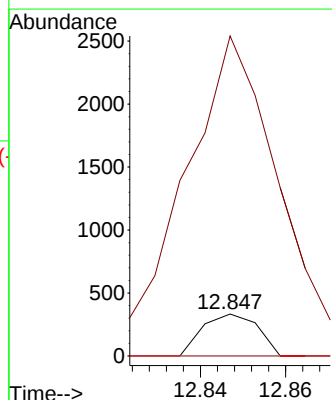
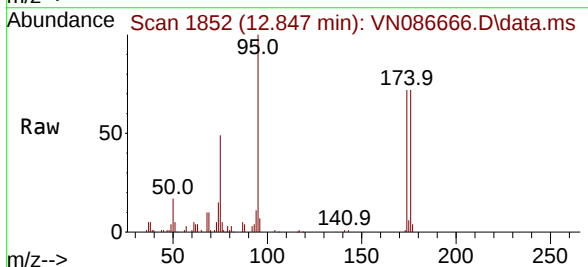
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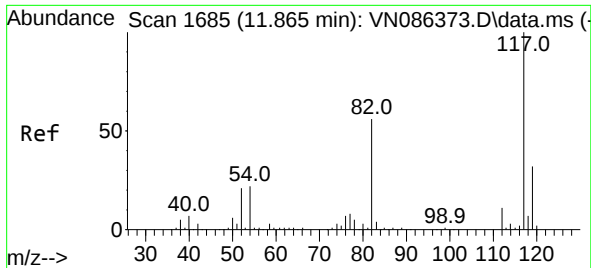
Tgt Ion: 97	Resp:	7861
Ion Ratio	Lower	Upper
97	100	
83	0.0	69.3 103.9#
85	0.0	45.5 68.3#
99	198.9	49.0 73.6#



#56
Bromoform
Concen: 0.201 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN086666.D
Acq: 16 May 2025 14:46

Tgt Ion: 173	Resp:	301
Ion Ratio	Lower	Upper
173	100	
175	1294.0	39.0 58.6#
254	0.0	3.8 5.6#

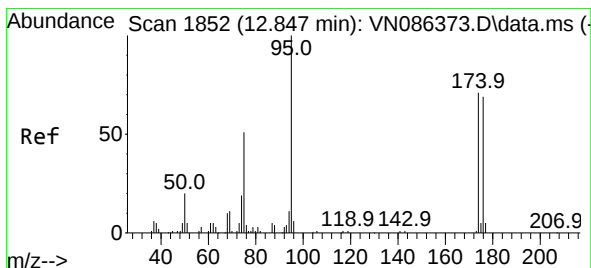
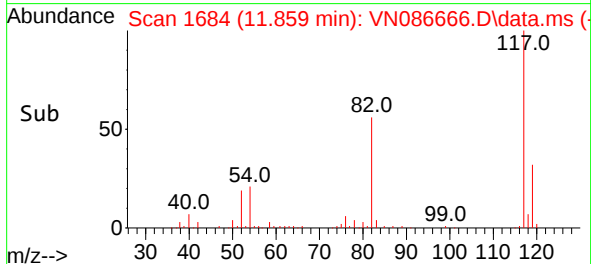
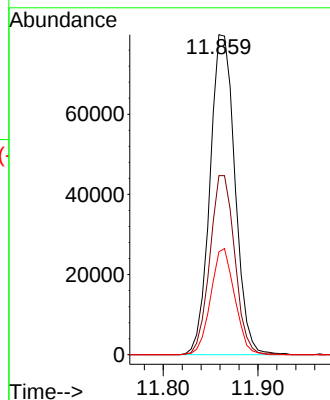
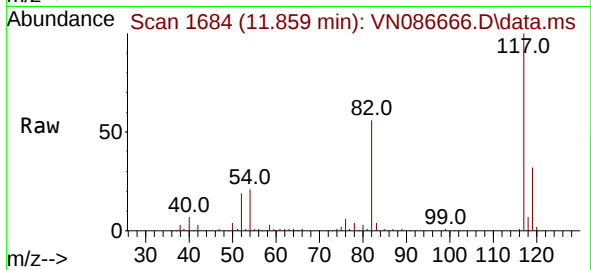




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.859 min Scan# 117
Delta R.T. -0.006 min
Lab File: VN086666.D
Acq: 16 May 2025 14:46

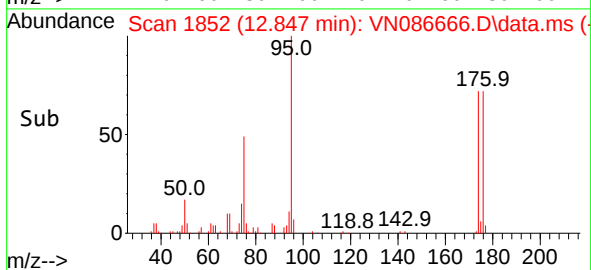
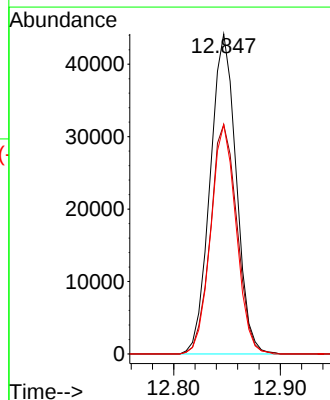
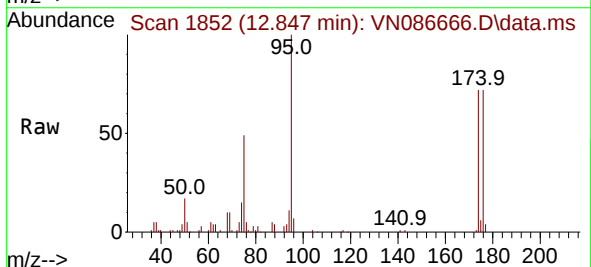
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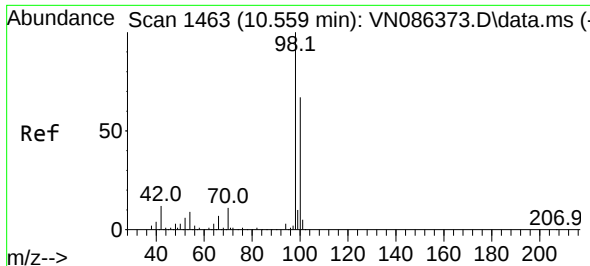
Tgt Ion:117 Resp: 146545
Ion Ratio Lower Upper
117 100
82 55.7 45.5 68.3
119 31.8 25.9 38.9



#60
4-Bromofluorobenzene
Concen: 26.017 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086666.D
Acq: 16 May 2025 14:46

Tgt Ion: 95 Resp: 74934
Ion Ratio Lower Upper
95 100
174 73.2 56.6 84.8
176 69.7 53.3 79.9

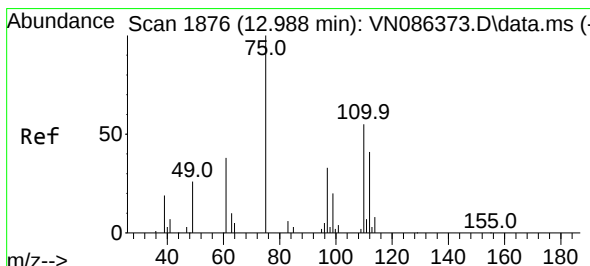
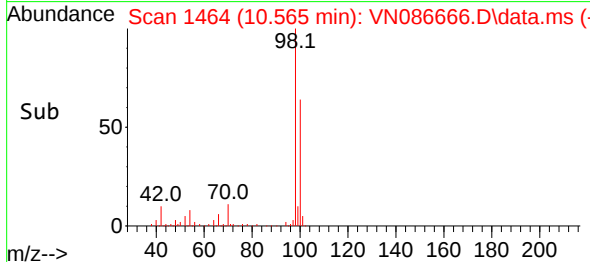
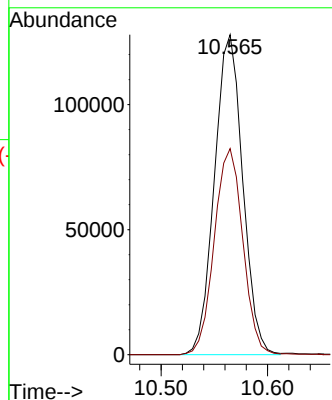
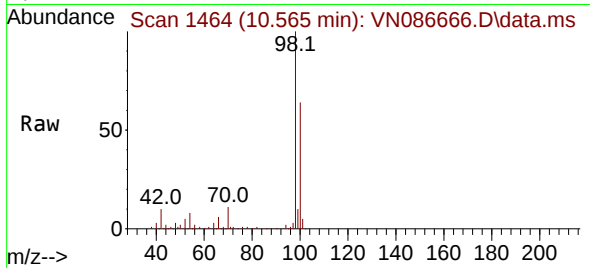




#63
Toluene-d8
Concen: 29.239 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN086666.D
Acq: 16 May 2025 14:46

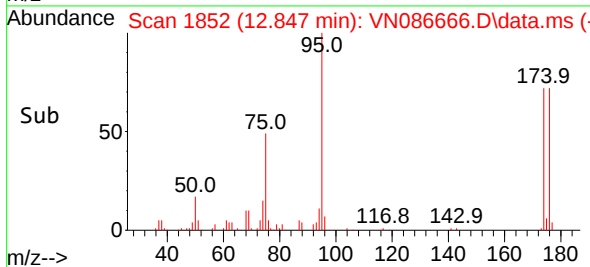
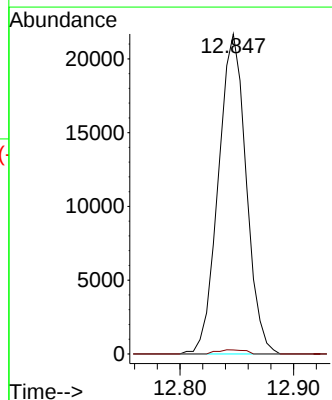
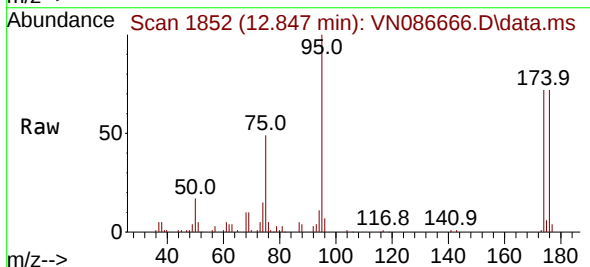
Instrument :
MSVOA_N
ClientSampleId :
IBLK

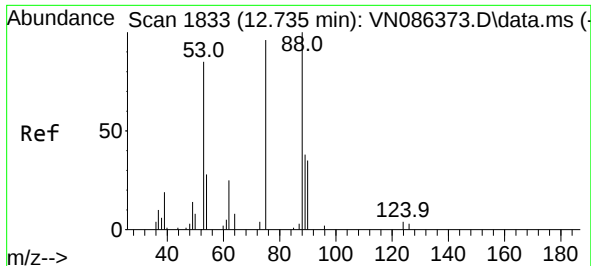
Tgt Ion: 98 Resp: 235729
Ion Ratio Lower Upper
98 100
100 65.0 53.1 79.7



#72
1,2,3-Trichloropropane
Concen: 15.691 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086666.D
Acq: 16 May 2025 14:46

Tgt Ion: 75 Resp: 36883
Ion Ratio Lower Upper
75 100
77 1.3 0.0 464.4

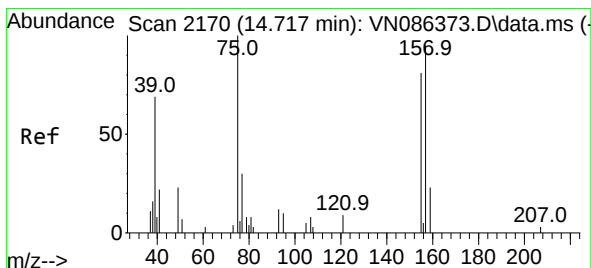
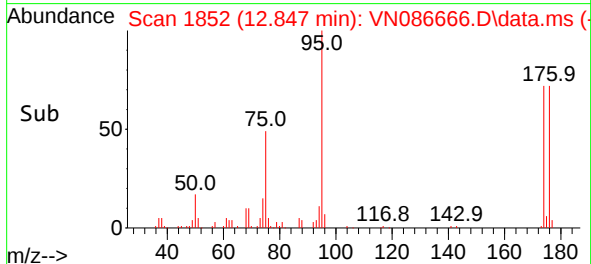
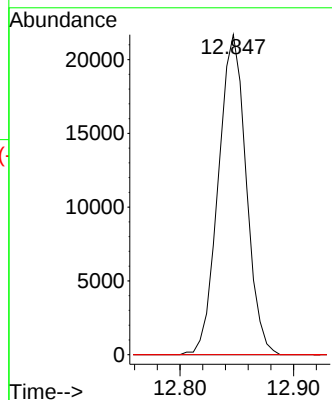
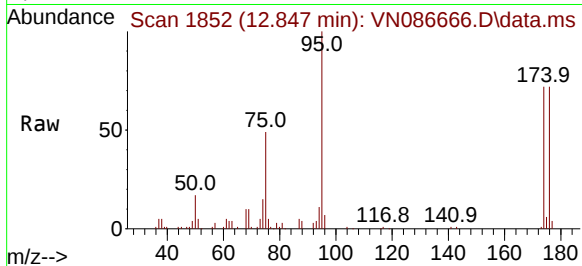




#77
t-1,4-Dichloro-2-butene
Concen: 30.918 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN086666.D
Acq: 16 May 2025 14:46

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 75 Resp: 36883
Ion Ratio Lower Upper
75 100
53 0.0 46.0 138.0#
89 0.0 21.6 64.6#



#88
1,2-Dibromo-3-Chloropropane
Concen: 11.680 ug/l
RT: 14.882 min Scan# 2198
Delta R.T. 0.165 min
Lab File: VN086666.D
Acq: 16 May 2025 14:46

Tgt Ion: 75 Resp: 6401
Ion Ratio Lower Upper
75 100
155 0.0 64.0 96.0#
157 6.5 78.2 117.4#

