

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032625\
 Data File : VN086130.D
 Acq On : 26 Mar 2025 16:48
 Operator : JC\MD
 Sample : Q1636-16
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-4

Quant Time: Mar 27 01:41:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

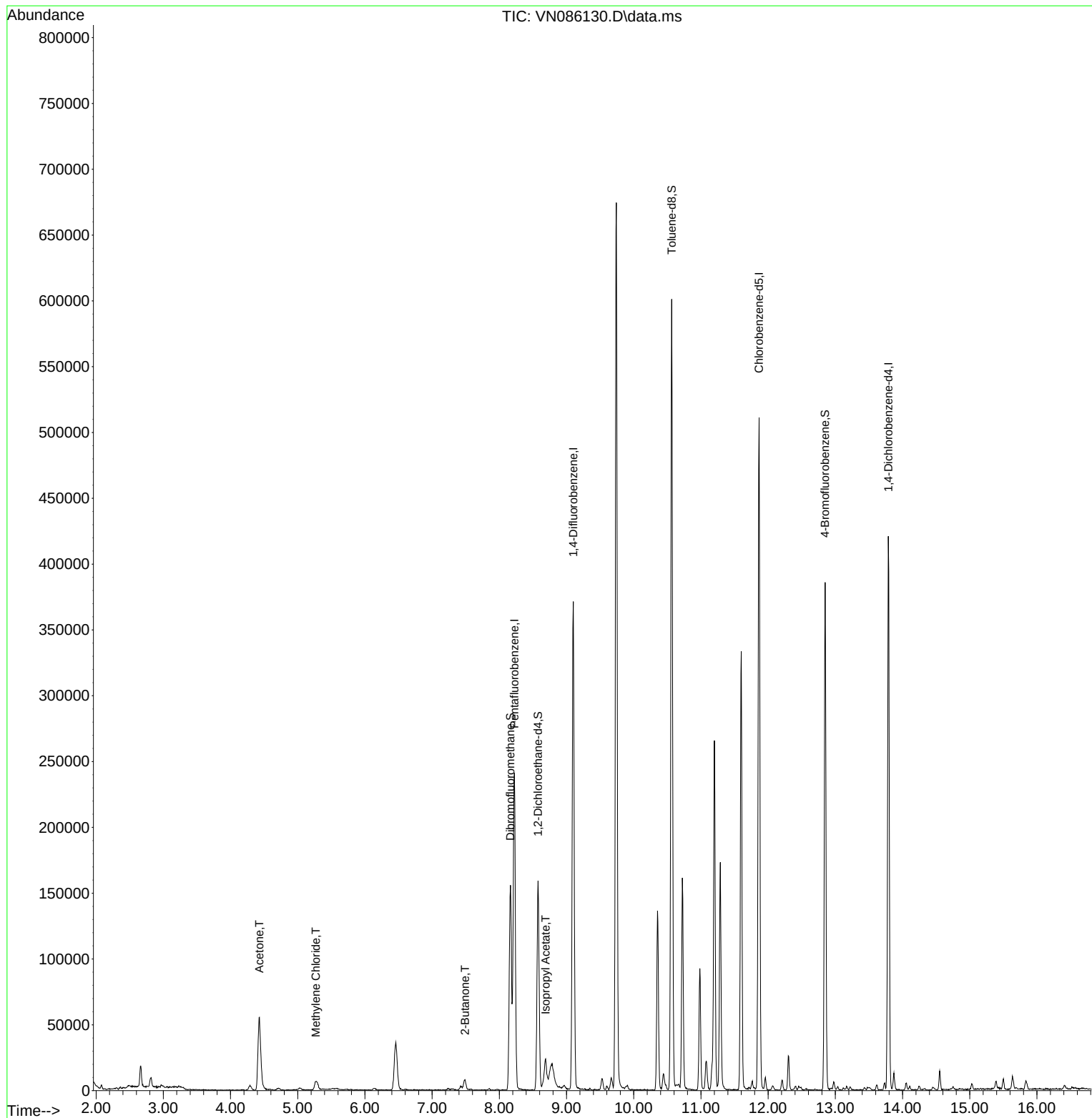
Internal Standards						
1) Pentafluorobenzene	8.224	168	177390	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	324084	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	306948	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	118685	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	129785	53.430	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 106.860%		
35) Dibromofluoromethane	8.165	113	114159	50.467	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 100.940%		
50) Toluene-d8	10.565	98	417529	50.858	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 101.720%		
62) 4-Bromofluorobenzene	12.847	95	137125	46.835	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 93.660%		
Target Compounds						
					Qvalue	
16) Acetone	4.430	43	101153	136.305	ug/l	98
20) Methylene Chloride	5.271	84	5903	2.719	ug/l	92
25) 2-Butanone	7.489	43	13657	12.754	ug/l	94
43) Isopropyl Acetate	8.688	43	29709	5.456	ug/l #	73

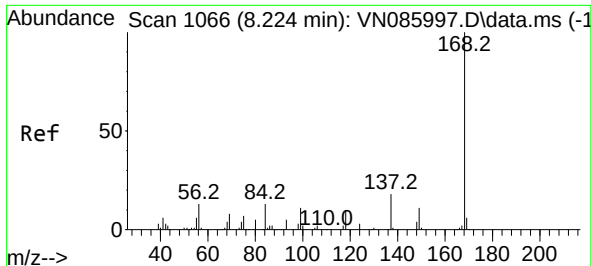
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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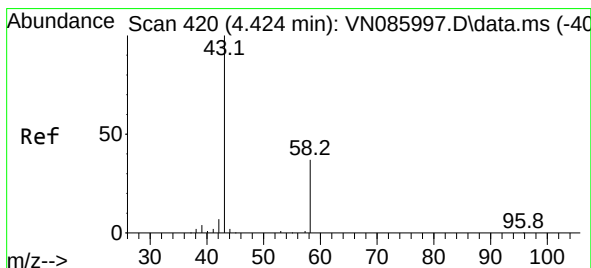
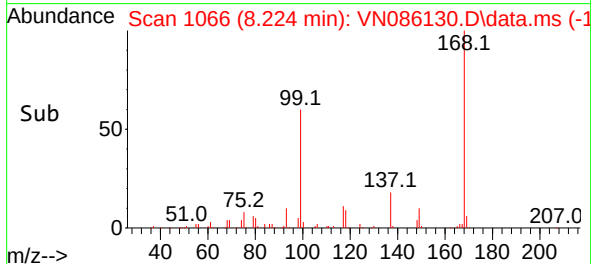
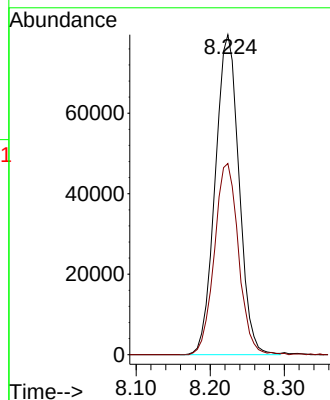
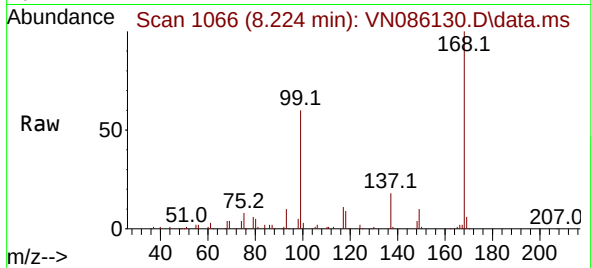




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

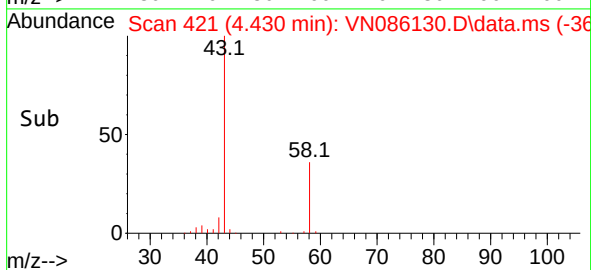
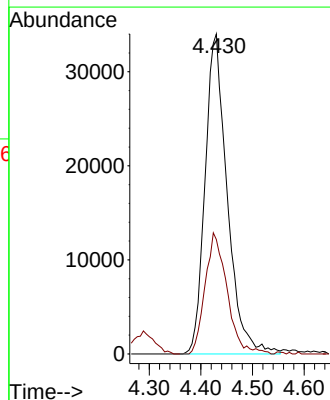
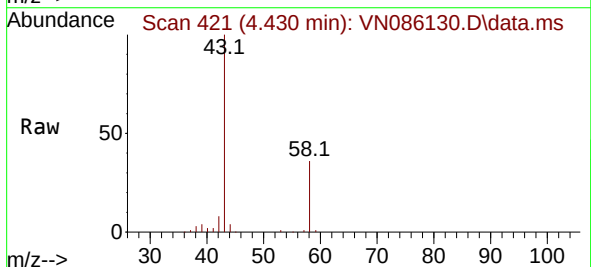
Instrument :
MSVOA_N
ClientSampleId :
WC-4

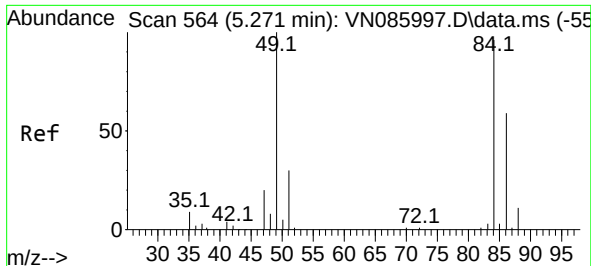
Tgt Ion:168 Resp: 177390
Ion Ratio Lower Upper
168 100
99 59.8 49.4 74.2



#16
Acetone
Concen: 136.305 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

Tgt Ion: 43 Resp: 101153
Ion Ratio Lower Upper
43 100
58 35.8 29.4 44.2

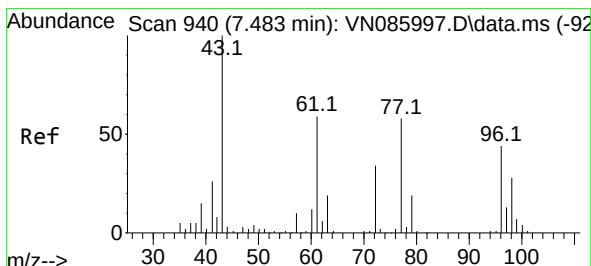
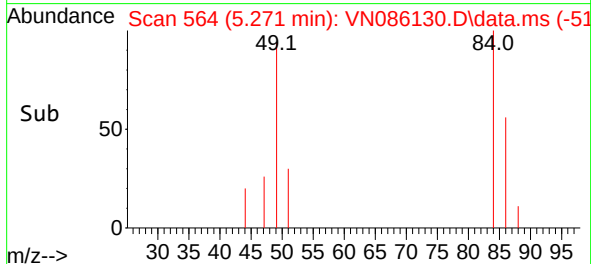
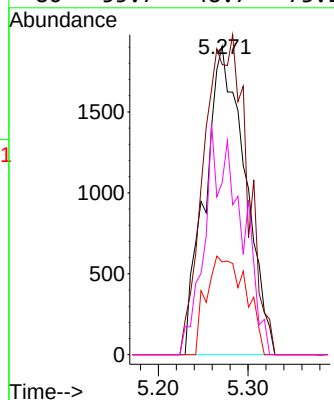
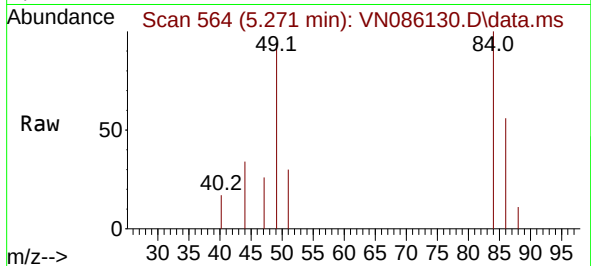




#20
Methylene Chloride
Concen: 2.719 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

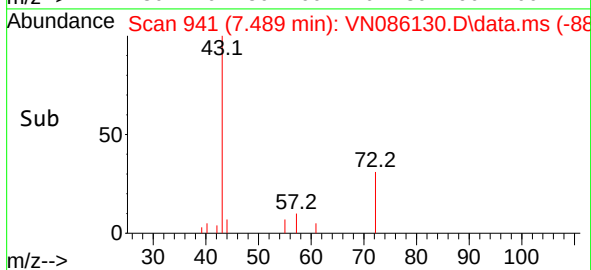
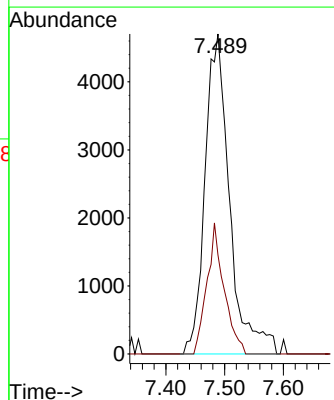
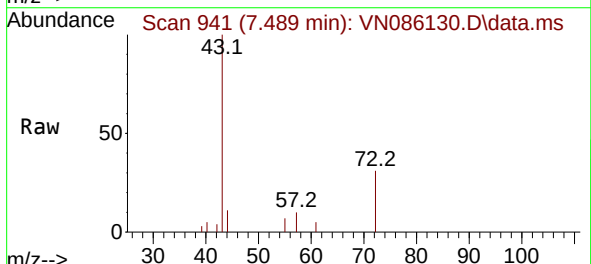
Instrument :
MSVOA_N
ClientSampleId :
WC-4

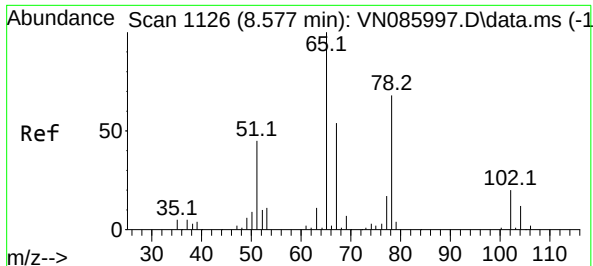
Tgt Ion: 84	Resp: 5903
Ion Ratio	Lower Upper
84 100	
49 94.1	83.3 124.9
51 30.1	24.8 37.2
86 55.7	48.7 73.1



#25
2-Butanone
Concen: 12.754 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

Tgt Ion: 43	Resp: 13657
Ion Ratio	Lower Upper
43 100	
72 31.0	27.4 41.0





#33

1,2-Dichloroethane-d4

Concen: 53.430 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086130.D

Acq: 26 Mar 2025 16:48

Instrument :

MSVOA_N

ClientSampleId :

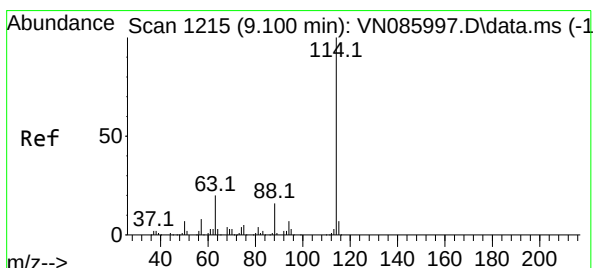
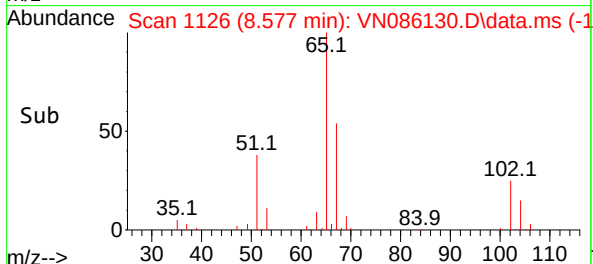
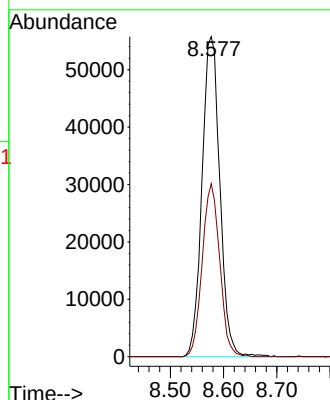
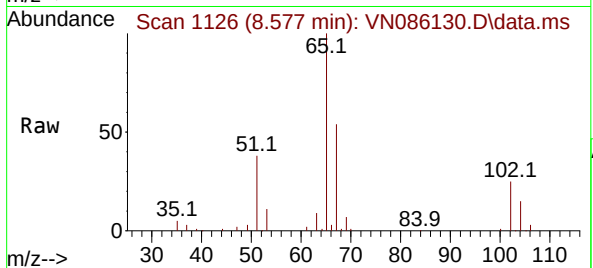
WC-4

Tgt Ion: 65 Resp: 129785

Ion Ratio Lower Upper

65 100

67 52.9 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086130.D

Acq: 26 Mar 2025 16:48

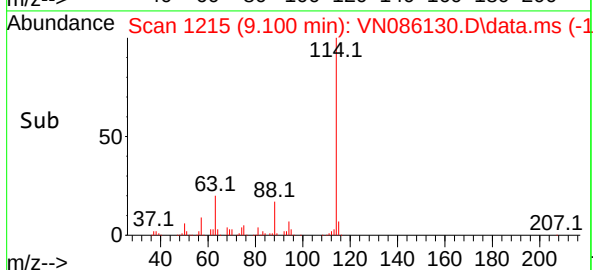
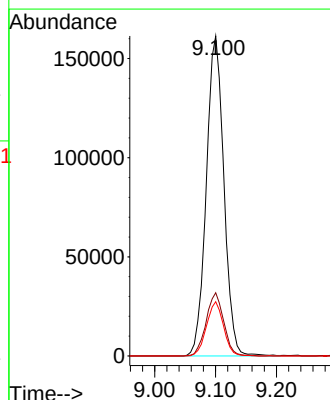
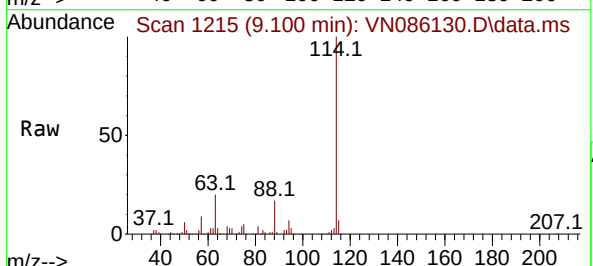
Tgt Ion: 114 Resp: 324084

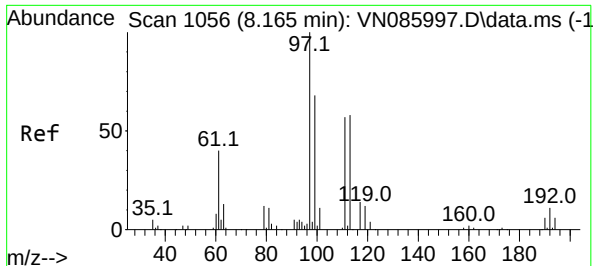
Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.6

88 16.9 0.0 32.6

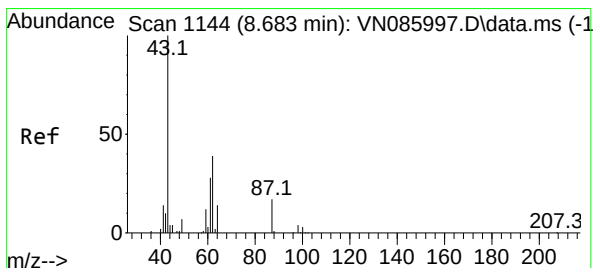
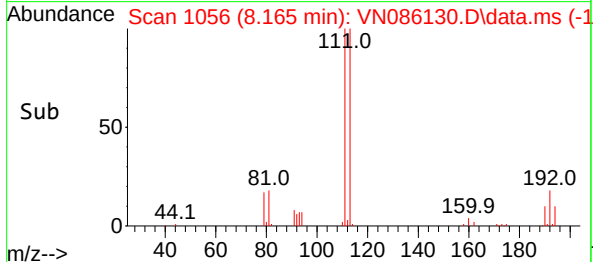
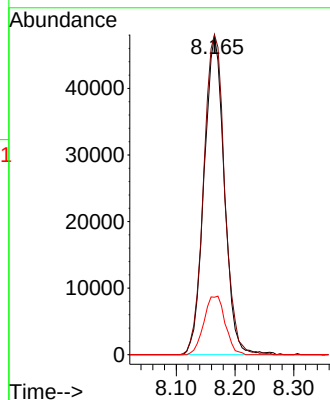
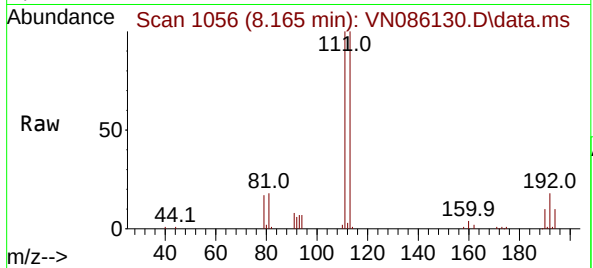




#35
Dibromofluoromethane
Concen: 50.467 ug/l
RT: 8.165 min Scan# 110
Delta R.T. -0.000 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

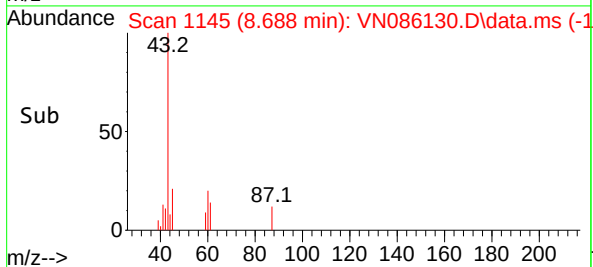
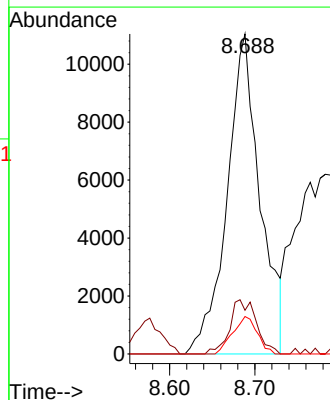
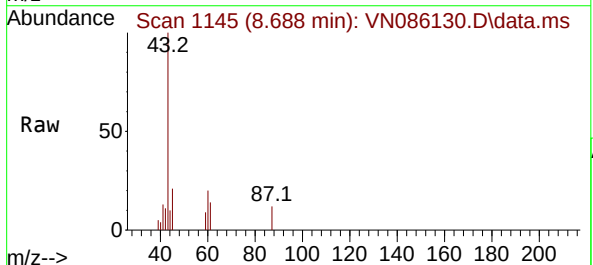
Instrument :
MSVOA_N
ClientSampleId :
WC-4

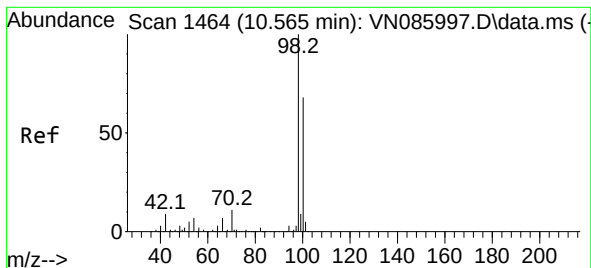
Tgt Ion:113 Resp: 114159
Ion Ratio Lower Upper
113 100
111 104.0 81.8 122.8
192 19.3 15.9 23.9



#43
Isopropyl Acetate
Concen: 5.456 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

Tgt Ion: 43 Resp: 29709
Ion Ratio Lower Upper
43 100
61 13.8 25.0 37.6#
87 8.7 13.0 19.4#

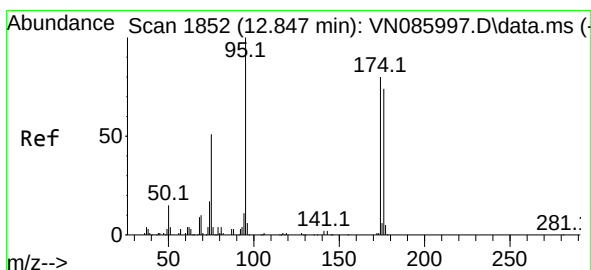
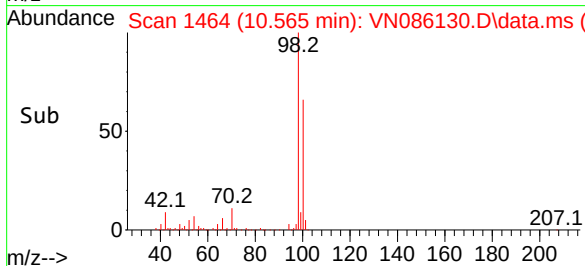
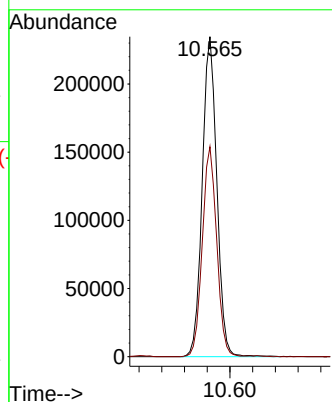
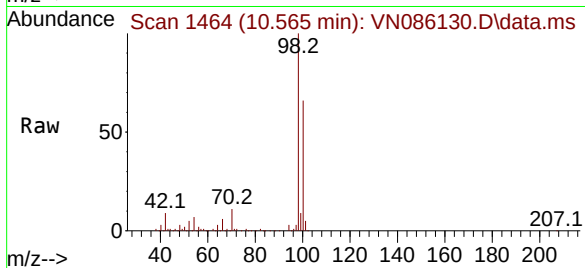




#50
Toluene-d8
Concen: 50.858 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

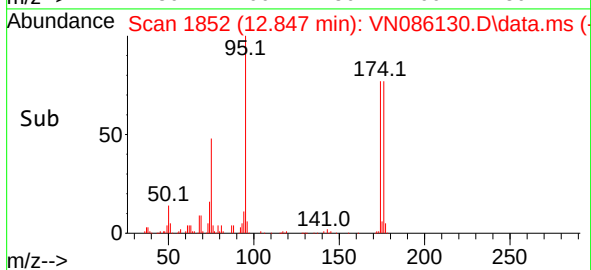
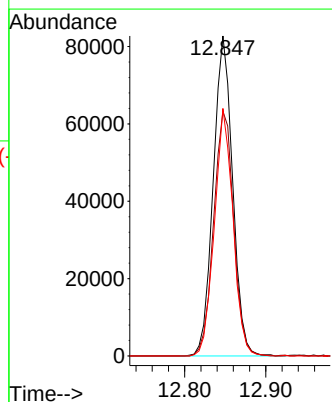
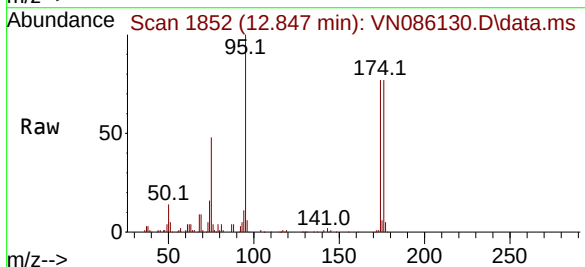
Instrument :
MSVOA_N
ClientSampleId :
WC-4

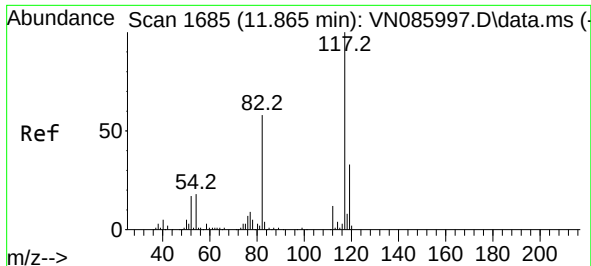
Tgt Ion: 98 Resp: 417529
Ion Ratio Lower Upper
98 100
100 64.9 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 46.835 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

Tgt Ion: 95 Resp: 137125
Ion Ratio Lower Upper
95 100
174 79.2 0.0 156.8
176 74.3 0.0 152.2

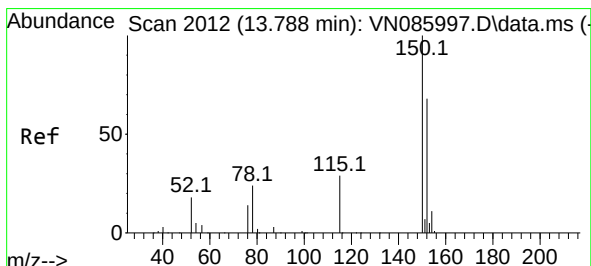
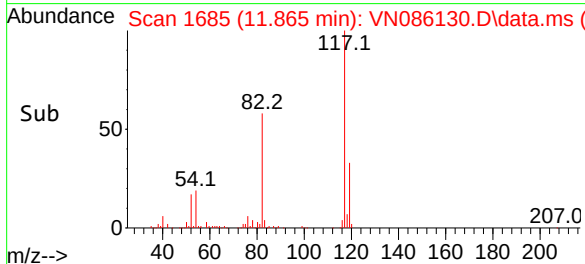
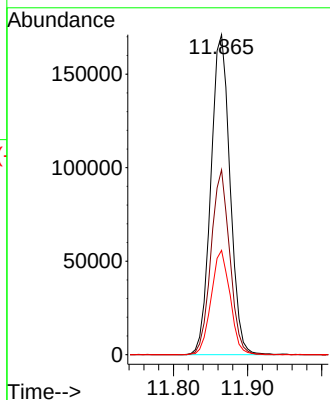
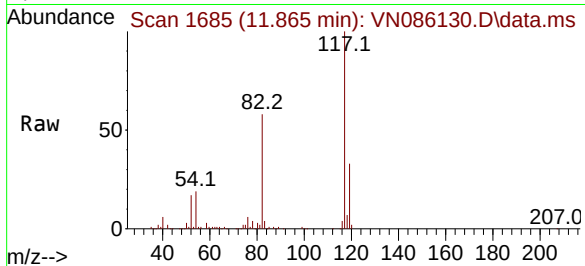




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

Instrument :
MSVOA_N
ClientSampleId :
WC-4

Tgt Ion:117 Resp: 306948
Ion Ratio Lower Upper
117 100
82 57.8 46.7 70.1
119 32.6 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

Tgt Ion:152 Resp: 118685
Ion Ratio Lower Upper
152 100
115 61.5 31.1 93.2
150 155.7 0.0 359.6

