

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
 Data File : VN087802.D
 Acq On : 11 Sep 2025 16:48
 Operator : JC\MD
 Sample : Q3054-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-384

Quant Time: Sep 12 02:55:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

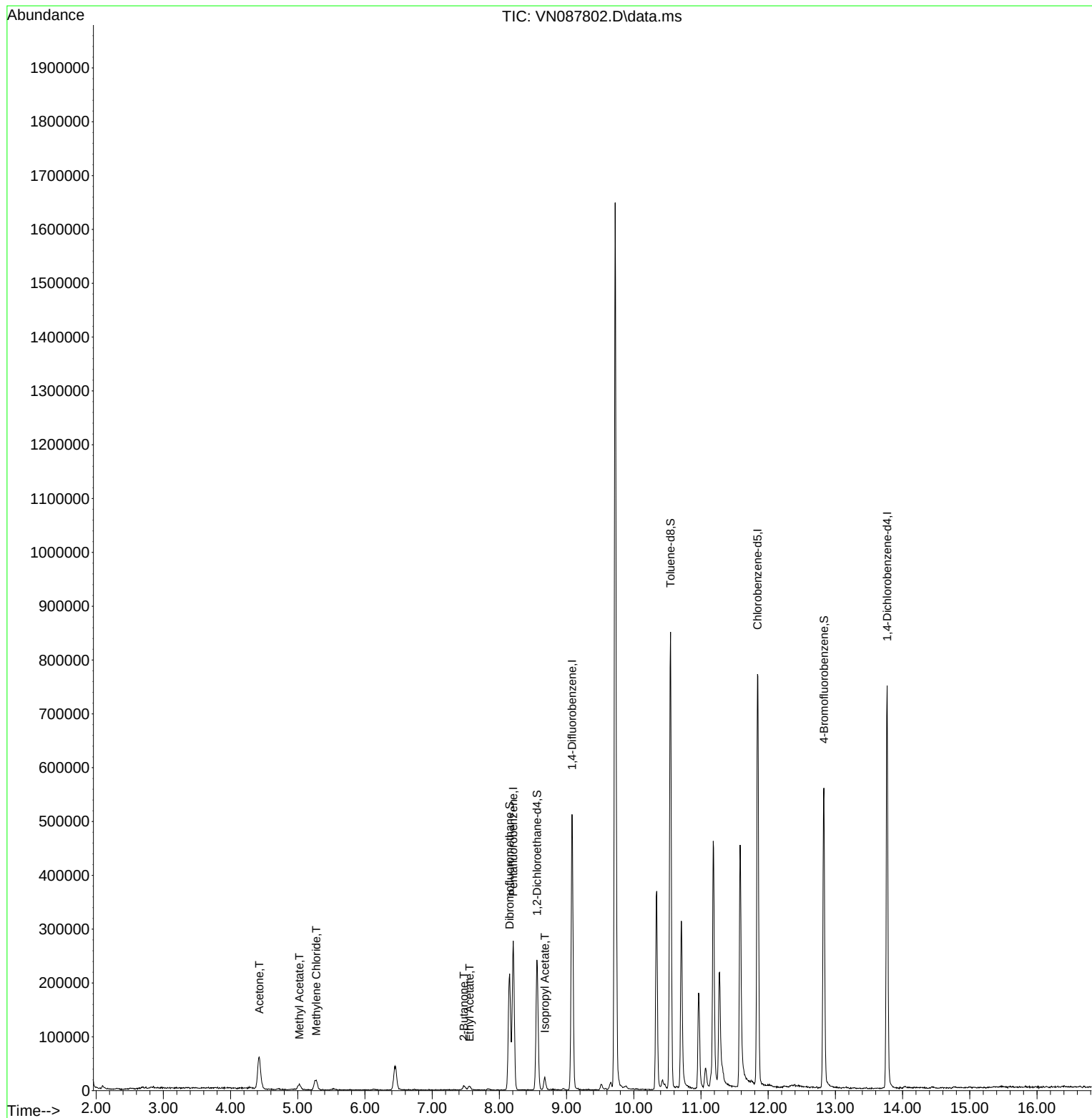
Internal Standards						
1) Pentafluorobenzene	8.206	168	183632	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	424685	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	433932	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	195449	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	196899	52.333	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.660%	
35) Dibromofluoromethane	8.153	113	156316	50.980	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.960%	
50) Toluene-d8	10.547	98	558414	48.658	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.320%	
62) 4-Bromofluorobenzene	12.829	95	195441	47.887	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 95.780%	
Target Compounds						
					Qvalue	
16) Acetone	4.430	43	120604	58.885	ug/l	98
18) Methyl Acetate	5.024	43	21265	4.959	ug/l	91
20) Methylene Chloride	5.277	84	15351	4.041	ug/l #	85
25) 2-Butanone	7.471	43	14158	5.254	ug/l #	89
37) Ethyl Acetate	7.559	43	12235	1.903	ug/l	95
43) Isopropyl Acetate	8.677	43	26215	2.612	ug/l	95

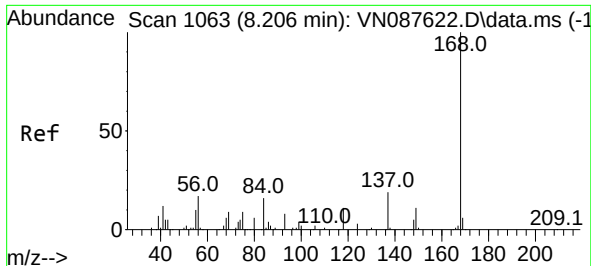
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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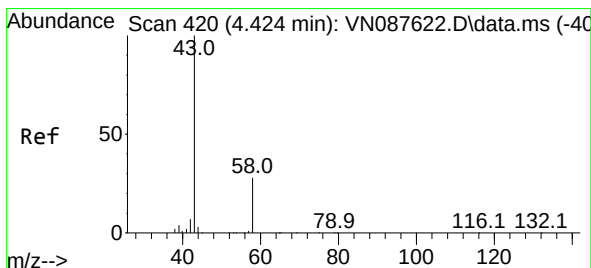
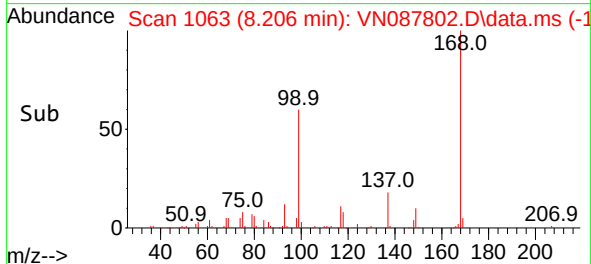
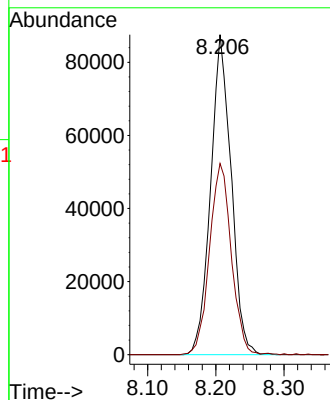
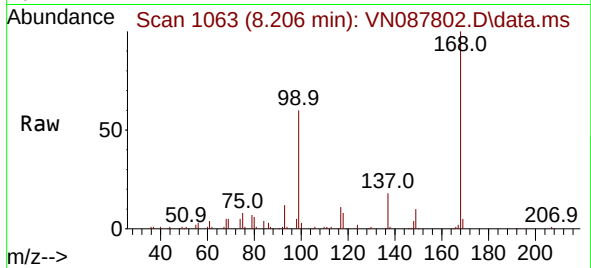




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087802.D
Acq: 11 Sep 2025 16:48

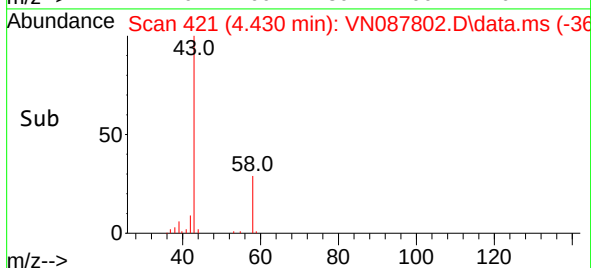
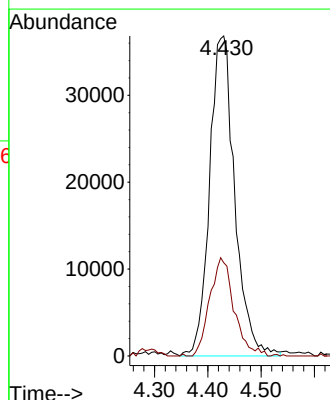
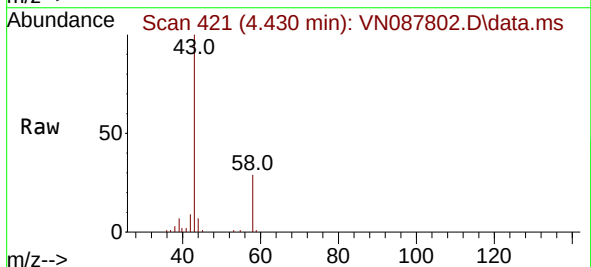
Instrument :
MSVOA_N
ClientSampleId :
MH-384

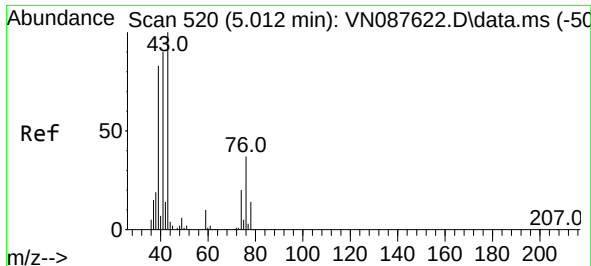
Tgt Ion:168 Resp: 183632
Ion Ratio Lower Upper
168 100
99 59.8 57.2 85.8



#16
Acetone
Concen: 58.885 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN087802.D
Acq: 11 Sep 2025 16:48

Tgt Ion: 43 Resp: 120604
Ion Ratio Lower Upper
43 100
58 29.2 22.6 33.8

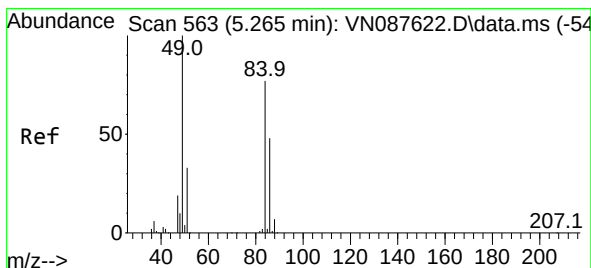
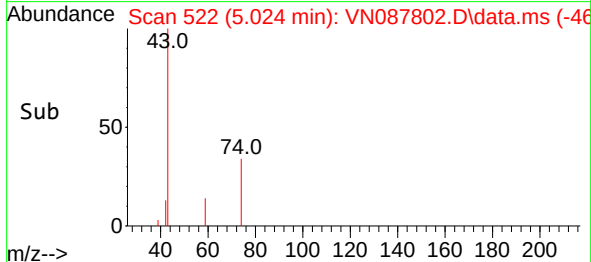
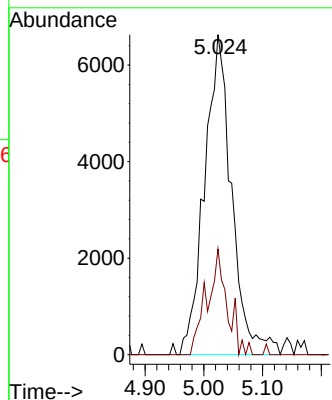
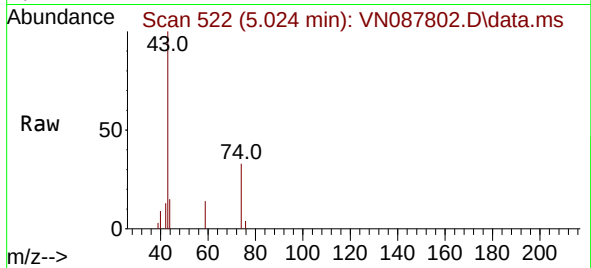




#18
Methyl Acetate
Concen: 4.959 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN087802.D
Acq: 11 Sep 2025 16:48

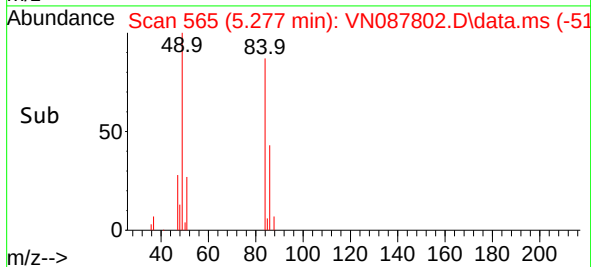
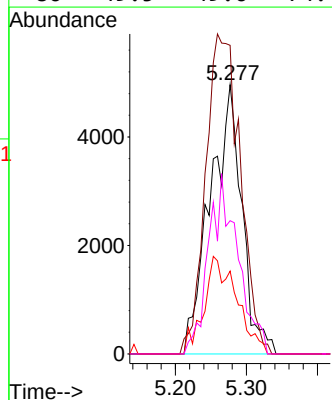
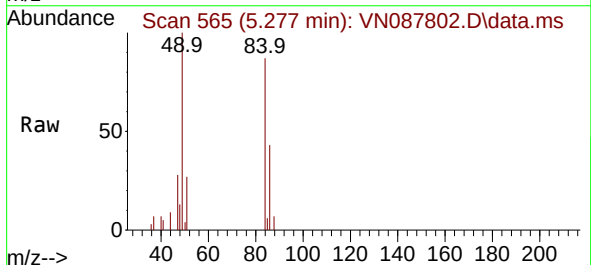
Instrument :
MSVOA_N
ClientSampleId :
MH-384

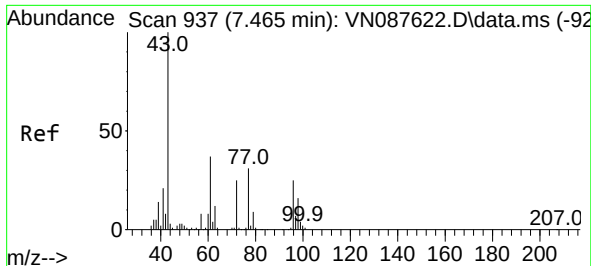
Tgt Ion: 43 Resp: 21265
Ion Ratio Lower Upper
43 100
74 17.8 17.6 26.4



#20
Methylene Chloride
Concen: 4.041 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.012 min
Lab File: VN087802.D
Acq: 11 Sep 2025 16:48

Tgt Ion: 84 Resp: 15351
Ion Ratio Lower Upper
84 100
49 114.6 103.4 155.2
51 30.8 33.8 50.8#
86 49.5 49.6 74.4#

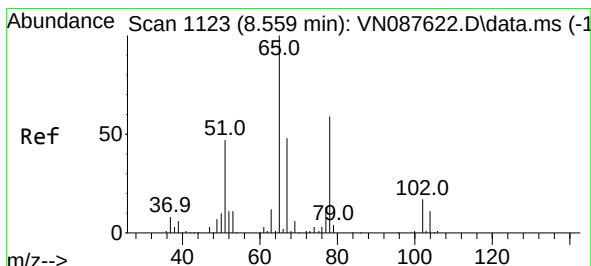
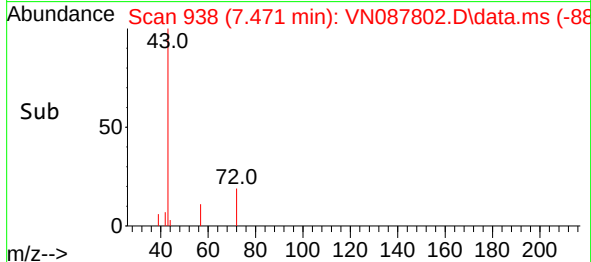
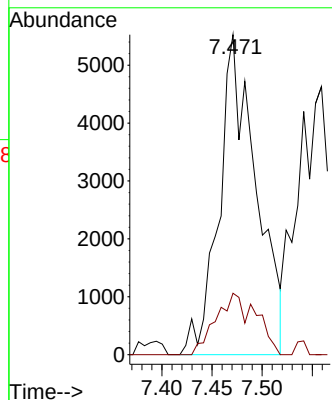
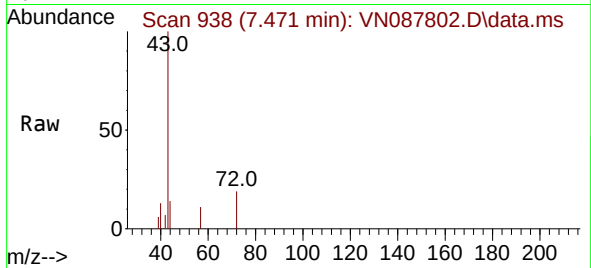




#25
2-Butanone
Concen: 5.254 ug/l
RT: 7.471 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN087802.D
Acq: 11 Sep 2025 16:48

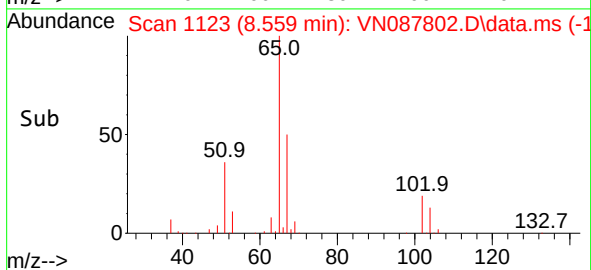
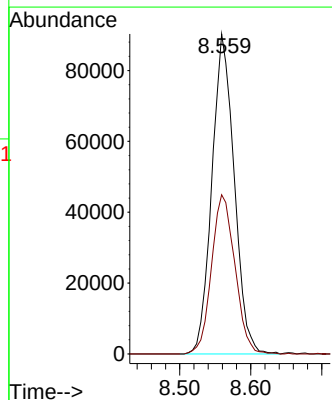
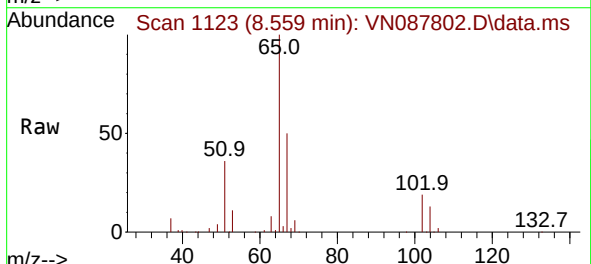
Instrument :
MSVOA_N
ClientSampleId :
MH-384

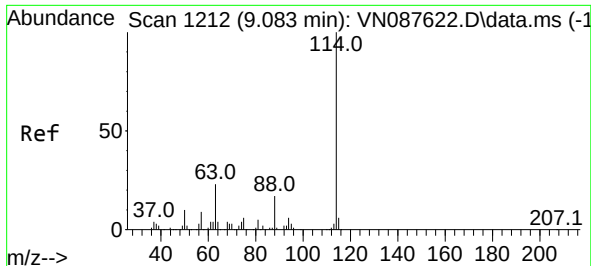
Tgt Ion: 43 Resp: 14158
Ion Ratio Lower Upper
43 100
72 19.2 19.9 29.9#



#33
1,2-Dichloroethane-d4
Concen: 52.333 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087802.D
Acq: 11 Sep 2025 16:48

Tgt Ion: 65 Resp: 196899
Ion Ratio Lower Upper
65 100
67 52.3 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087802.D

Acq: 11 Sep 2025 16:48

Instrument :

MSVOA_N

ClientSampleId :

MH-384

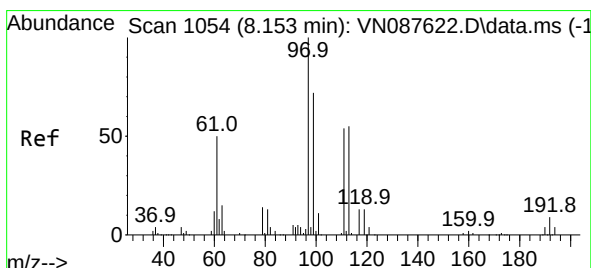
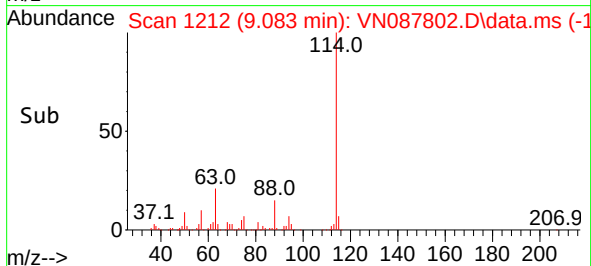
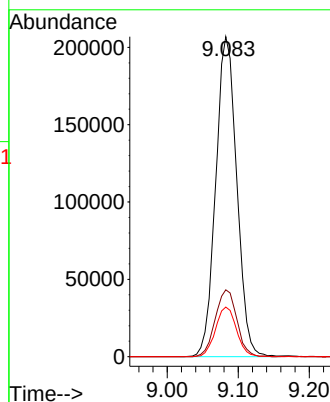
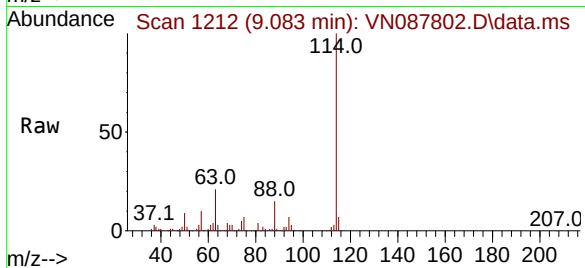
Tgt Ion:114 Resp: 424685

Ion Ratio Lower Upper

114 100

63 20.9 0.0 45.2

88 15.5 0.0 33.4



#35

Dibromofluoromethane

Concen: 50.980 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. -0.000 min

Lab File: VN087802.D

Acq: 11 Sep 2025 16:48

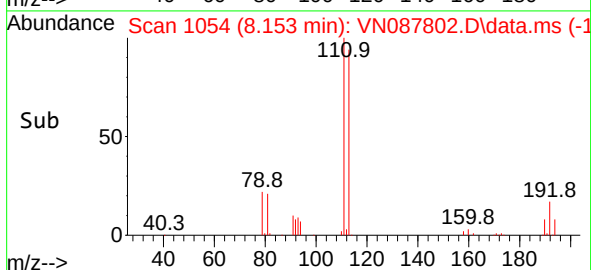
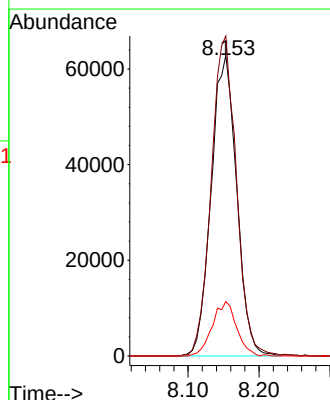
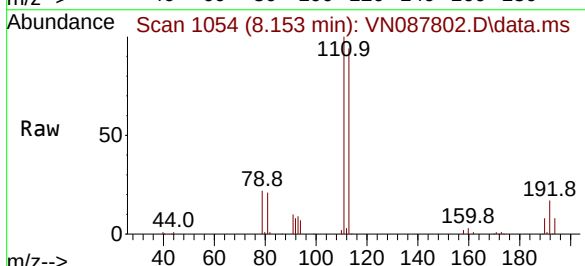
Tgt Ion:113 Resp: 156316

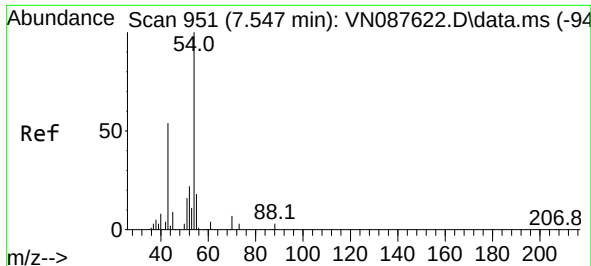
Ion Ratio Lower Upper

113 100

111 104.8 82.8 124.2

192 17.3 12.8 19.2

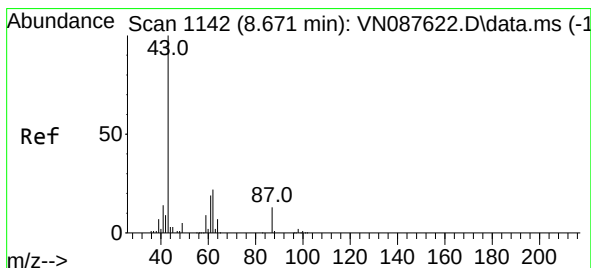
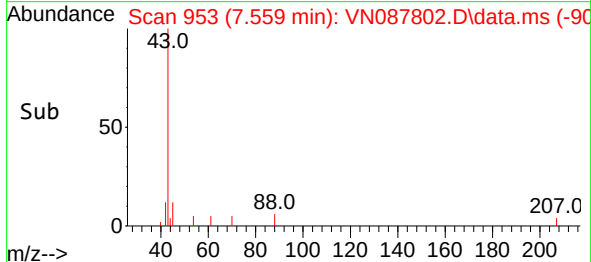
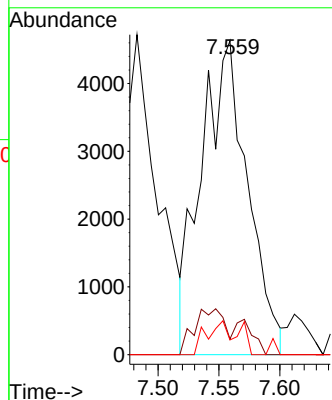
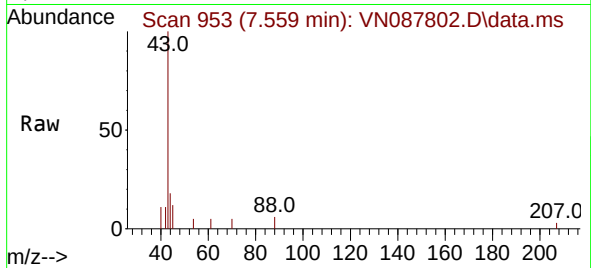




#37
Ethyl Acetate
Concen: 1.903 ug/l
RT: 7.559 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN087802.D
Acq: 11 Sep 2025 16:48

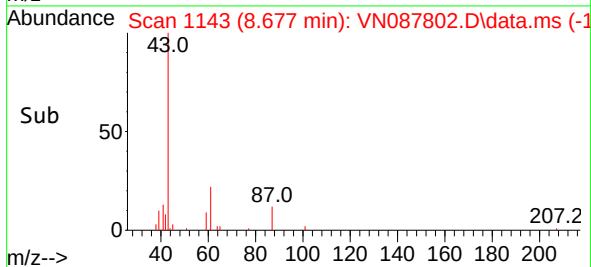
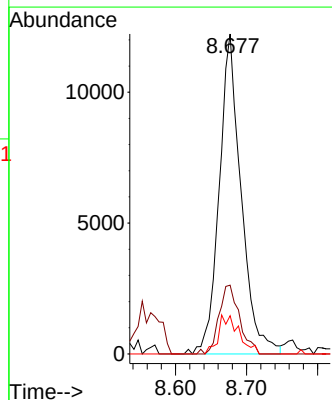
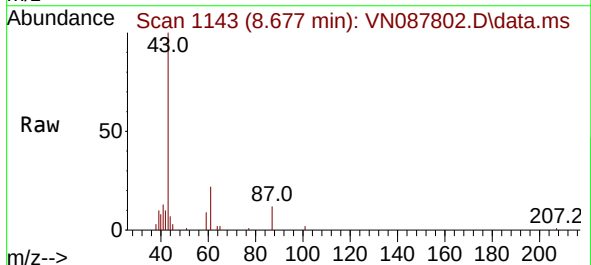
Instrument :
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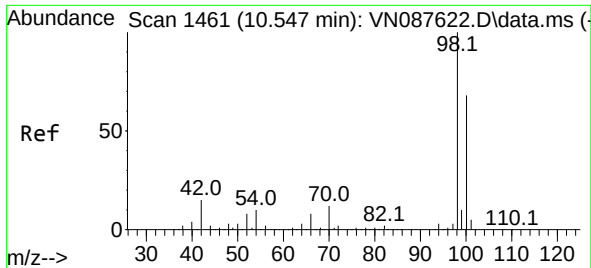
Tgt Ion: 43 Resp: 12235
Ion Ratio Lower Upper
43 100
61 9.8 9.3 13.9
70 7.2 7.0 10.6



#43
Isopropyl Acetate
Concen: 2.612 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN087802.D
Acq: 11 Sep 2025 16:48

Tgt Ion: 43 Resp: 26215
Ion Ratio Lower Upper
43 100
61 20.1 18.8 28.2
87 11.3 9.6 14.4

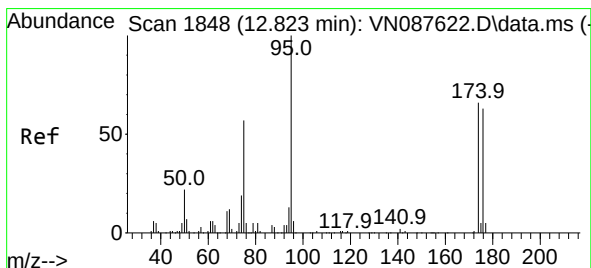
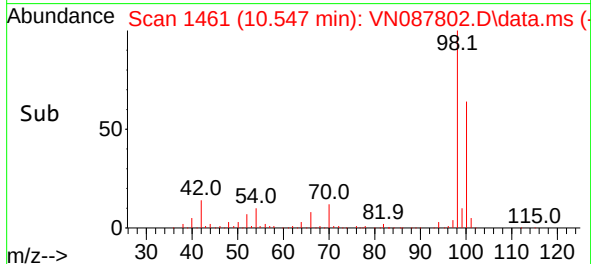
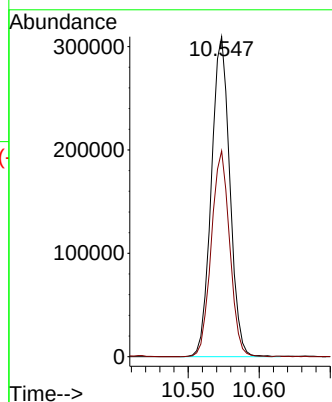
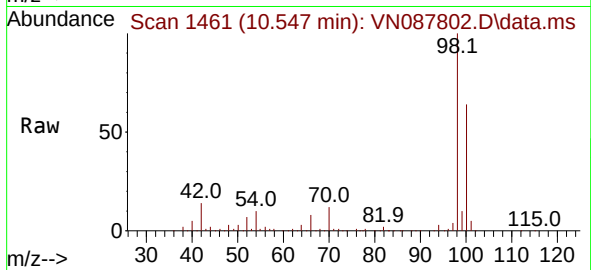




#50
Toluene-d8
Concen: 48.658 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087802.D
Acq: 11 Sep 2025 16:48

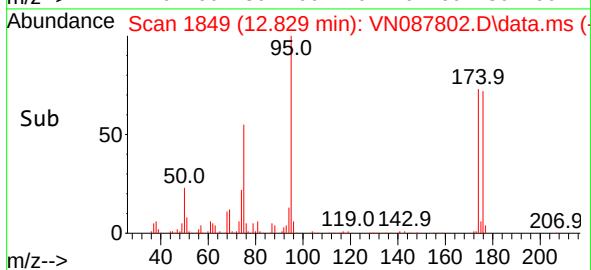
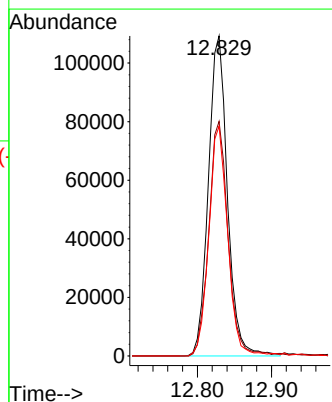
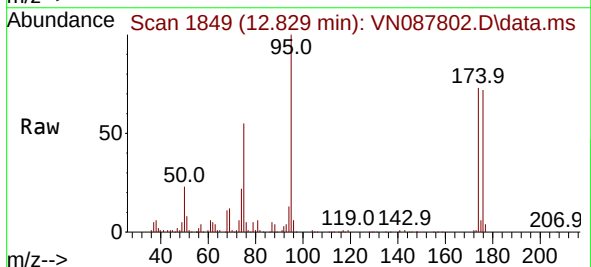
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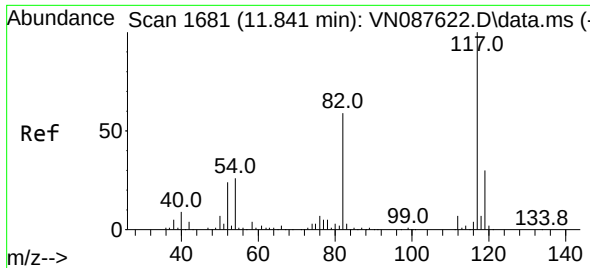
Tgt Ion: 98 Resp: 558414
Ion Ratio Lower Upper
98 100
100 64.0 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 47.887 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087802.D
Acq: 11 Sep 2025 16:48

Tgt Ion: 95 Resp: 195441
Ion Ratio Lower Upper
95 100
174 74.5 0.0 138.4
176 71.3 0.0 132.6

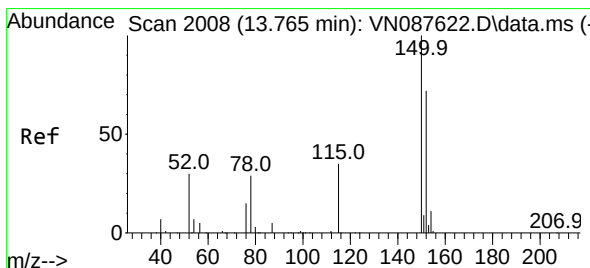
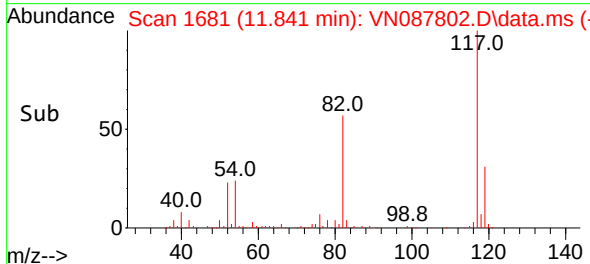
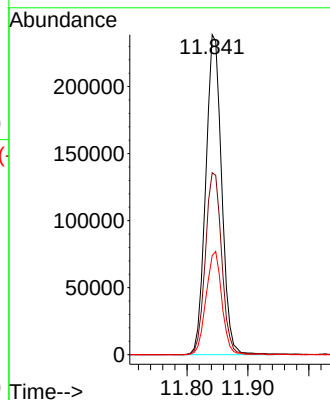
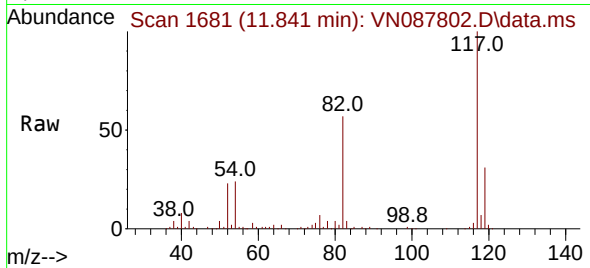




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087802.D
Acq: 11 Sep 2025 16:48

Instrument :
MSVOA_N
ClientSampleId :
MH-384

Tgt Ion:117 Resp: 433932
Ion Ratio Lower Upper
117 100
82 56.7 47.4 71.2
119 30.9 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087802.D
Acq: 11 Sep 2025 16:48

Tgt Ion:152 Resp: 195449
Ion Ratio Lower Upper
152 100
115 63.0 32.3 96.8
150 155.5 0.0 351.0

