

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
 Data File : VN087562.D
 Acq On : 14 Aug 2025 13:52
 Operator : JC\MD
 Sample : Q2836-13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-A5-02-G

Quant Time: Aug 14 15:24:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

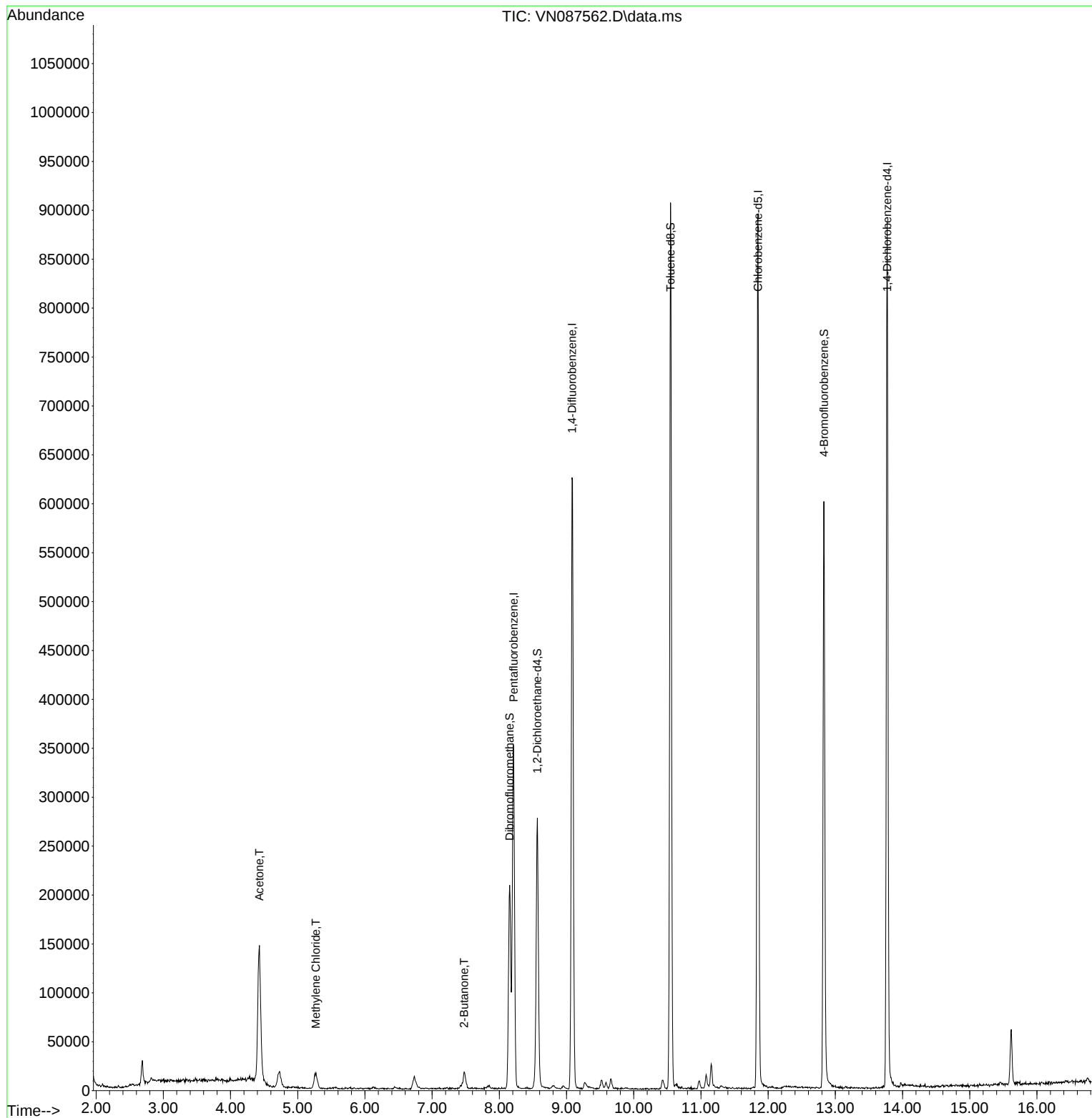
Internal Standards						
1) Pentafluorobenzene	8.212	168	231781	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	518724	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	481565	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	225522	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	226043	57.476	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	114.960%
35) Dibromofluoromethane	8.153	113	147073	41.103	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	82.200%
50) Toluene-d8	10.547	98	593014	46.461	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.920%
62) 4-Bromofluorobenzene	12.829	95	213976	45.376	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	90.760%
Target Compounds						
						Qvalue
16) Acetone	4.430	43	272163	147.595	ug/l	97
20) Methylene Chloride	5.271	84	11836	3.198	ug/l	84
25) 2-Butanone	7.477	43	26989	9.473	ug/l	94

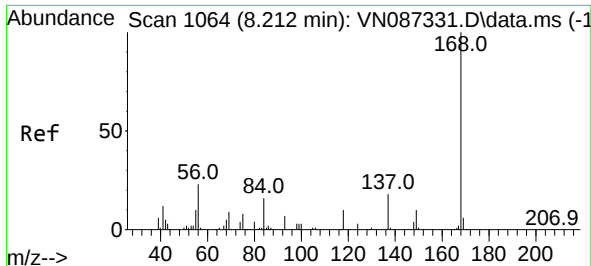
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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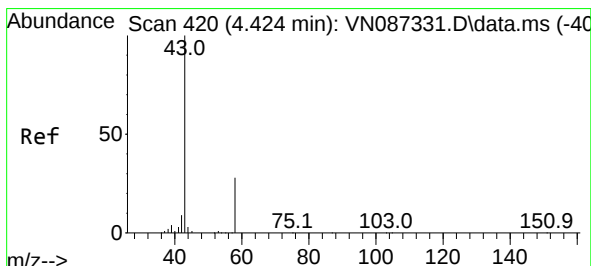
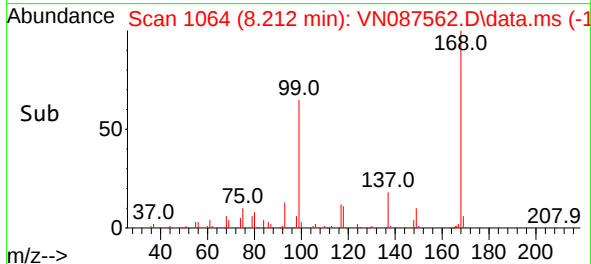
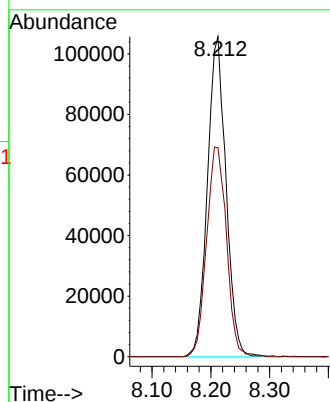
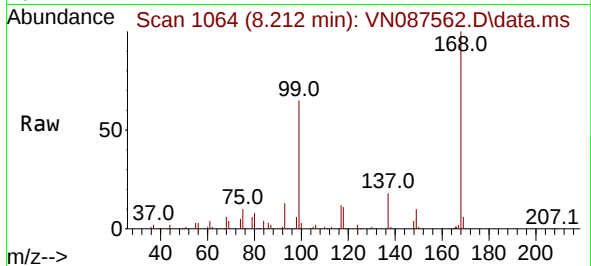




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VN087562.D
Acq: 14 Aug 2025 13:52

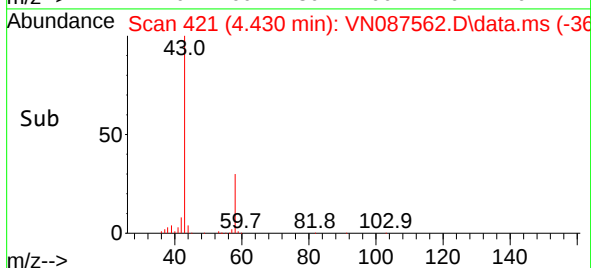
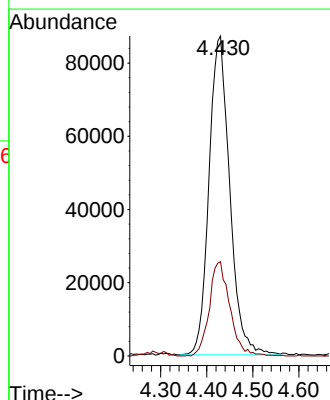
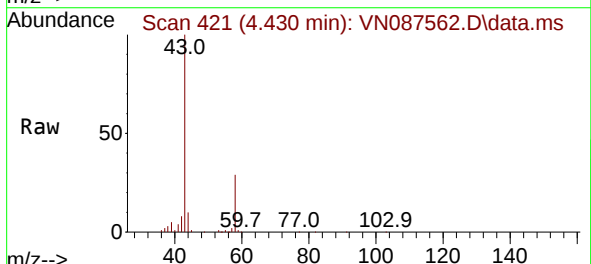
Instrument :
MSVOA_N
ClientSampleId :
WC-A5-02-G

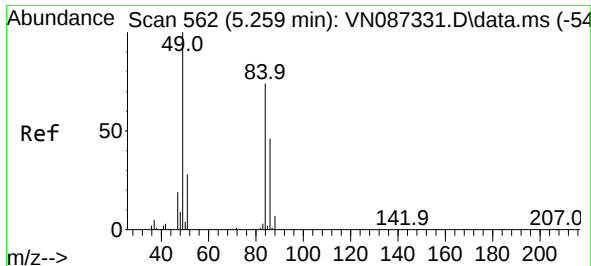
Tgt Ion:168 Resp: 231781
Ion Ratio Lower Upper
168 100
99 65.3 47.9 71.9



#16
Acetone
Concen: 147.595 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN087562.D
Acq: 14 Aug 2025 13:52

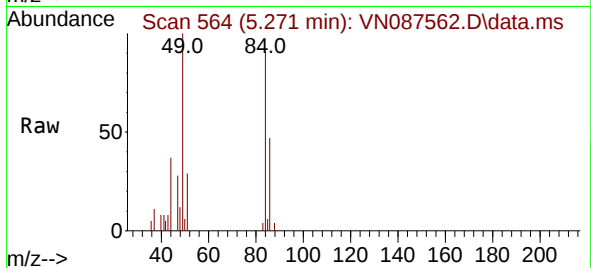
Tgt Ion: 43 Resp: 272163
Ion Ratio Lower Upper
43 100
58 29.6 22.3 33.5



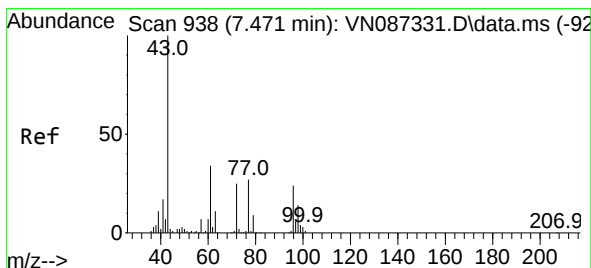
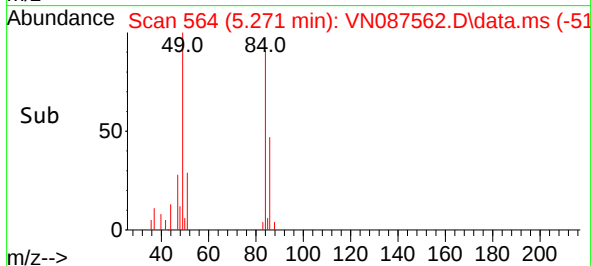
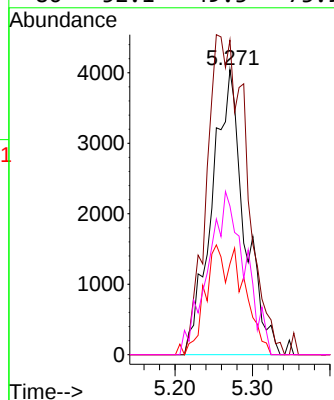


#20
Methylene Chloride
Concen: 3.198 ug/l
RT: 5.271 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN087562.D
Acq: 14 Aug 2025 13:52

Instrument :
MSVOA_N
ClientSampleId :
WC-A5-02-G

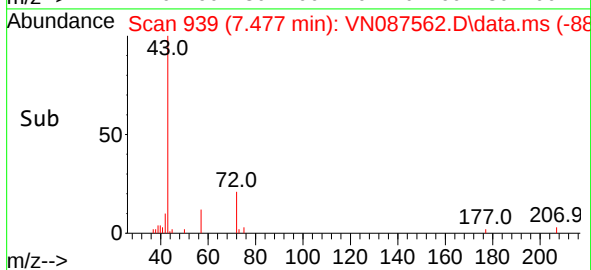
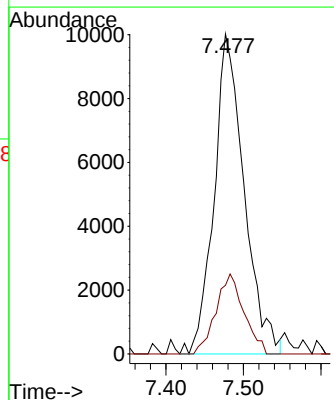
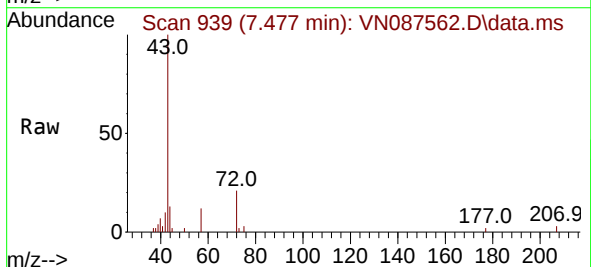


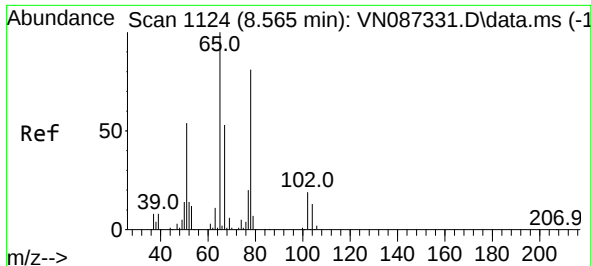
Tgt Ion:	84	Resp:	11836
Ion	Ratio	Lower	Upper
84	100		
49	110.3	107.5	161.3
51	31.9	30.2	45.2
86	52.1	49.3	73.9



#25
2-Butanone
Concen: 9.473 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.006 min
Lab File: VN087562.D
Acq: 14 Aug 2025 13:52

Tgt Ion:	43	Resp:	26989
Ion	Ratio	Lower	Upper
43	100		
72	21.4	19.6	29.4





#33

1,2-Dichloroethane-d4

Concen: 57.476 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.000 min

Lab File: VN087562.D

Acq: 14 Aug 2025 13:52

Instrument :

MSVOA_N

ClientSampleId :

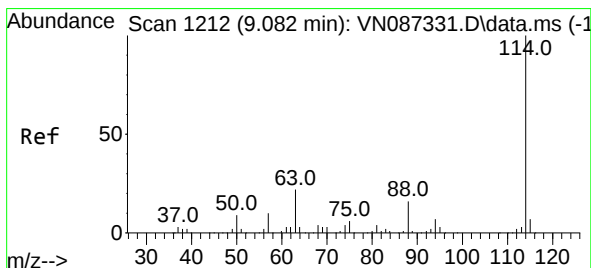
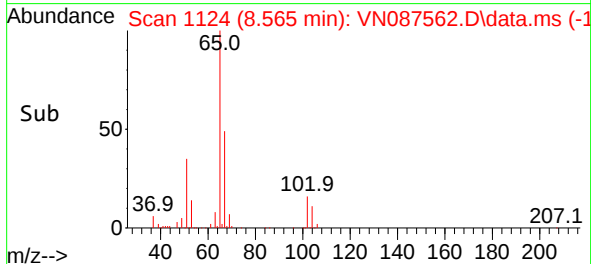
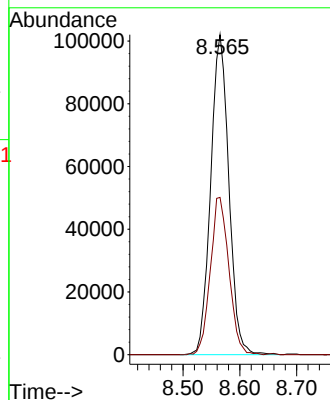
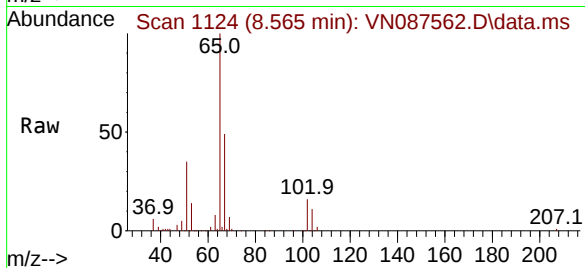
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Tgt Ion: 65 Resp: 226043

Ion Ratio Lower Upper

65 100

67 50.4 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.001 min

Lab File: VN087562.D

Acq: 14 Aug 2025 13:52

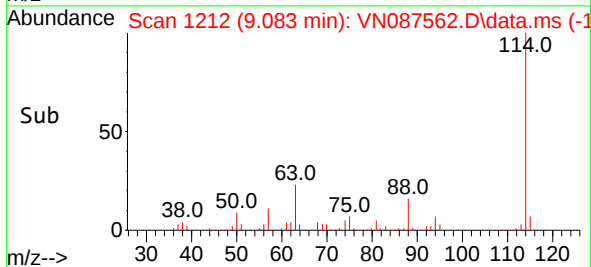
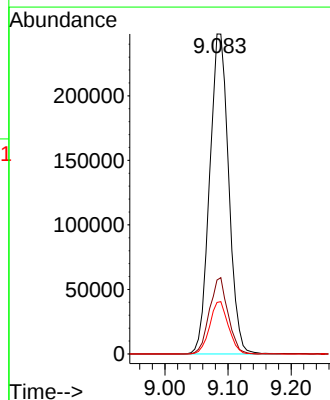
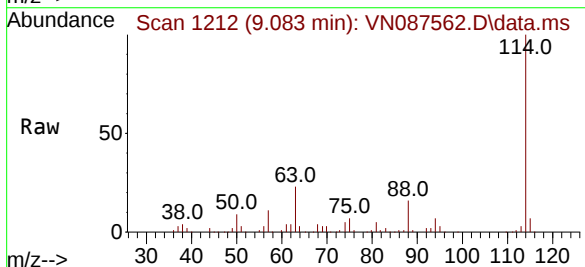
Tgt Ion: 114 Resp: 518724

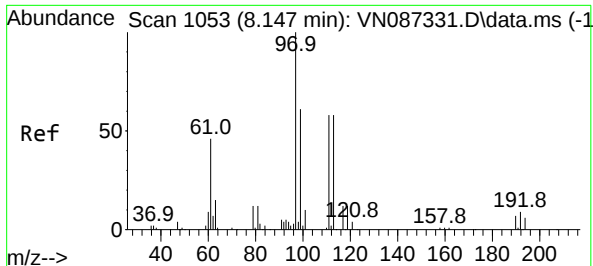
Ion Ratio Lower Upper

114 100

63 23.1 0.0 44.6

88 16.1 0.0 32.8





#35

Dibromofluoromethane

Concen: 41.103 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087562.D

Acq: 14 Aug 2025 13:52

Instrument :

MSVOA_N

ClientSampleId :

WC-A5-02-G

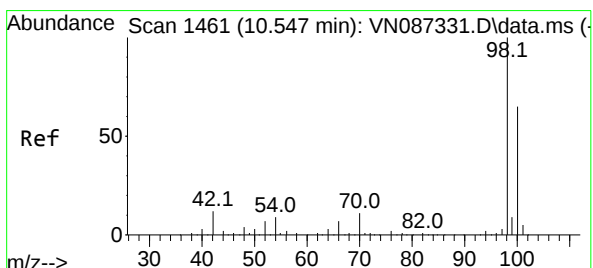
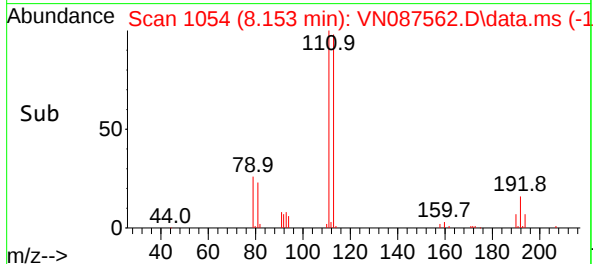
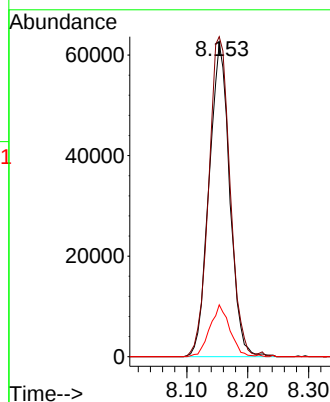
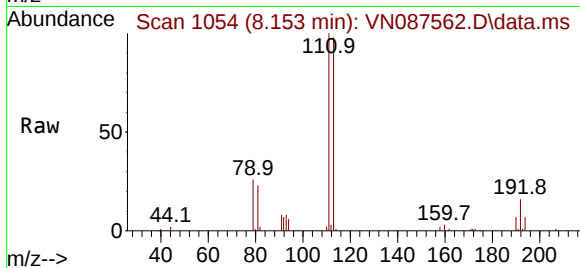
Tgt Ion:113 Resp: 147073

Ion Ratio Lower Upper

113 100

111 105.2 82.5 123.7

192 16.1 13.7 20.5



#50

Toluene-d8

Concen: 46.461 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VN087562.D

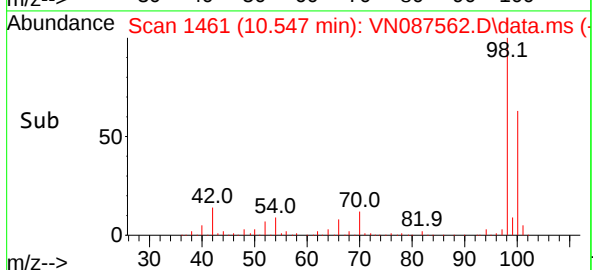
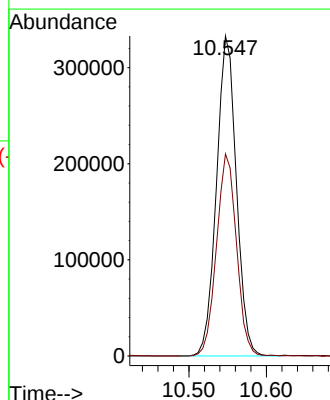
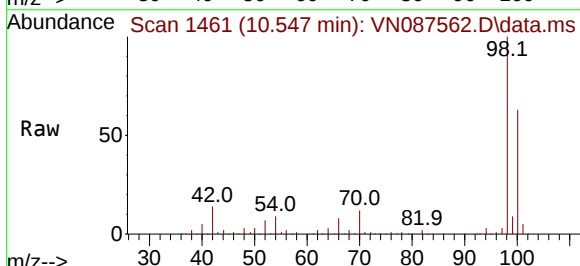
Acq: 14 Aug 2025 13:52

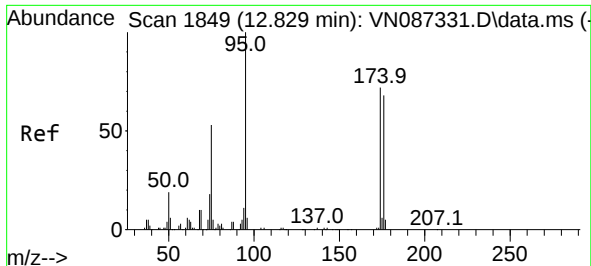
Tgt Ion: 98 Resp: 593014

Ion Ratio Lower Upper

98 100

100 63.6 52.1 78.1

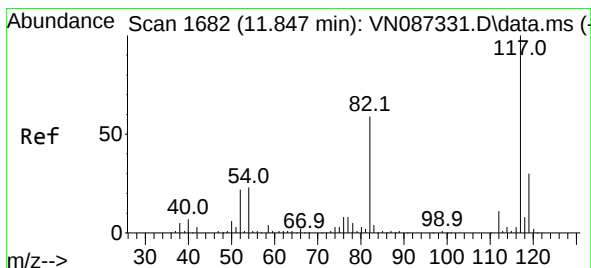
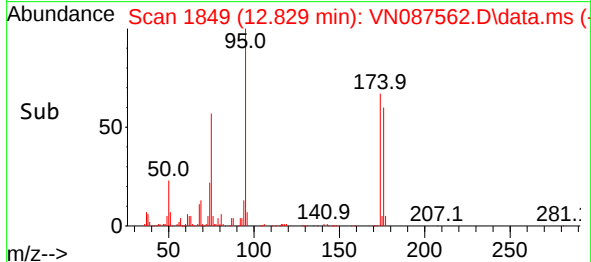
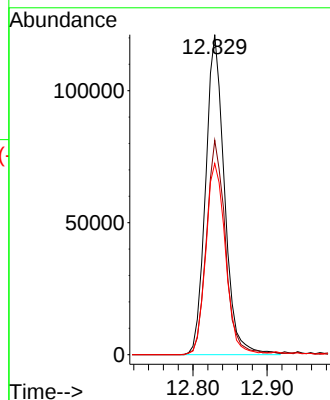
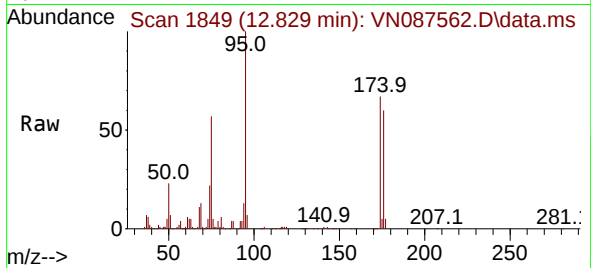




#62
4-Bromofluorobenzene
Concen: 45.376 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087562.D
Acq: 14 Aug 2025 13:52

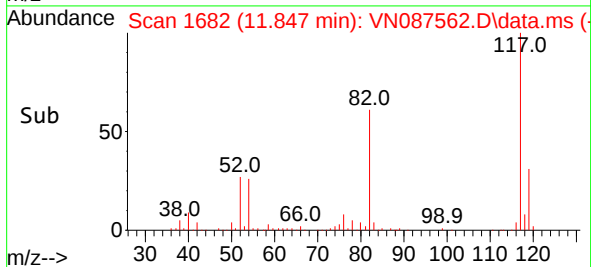
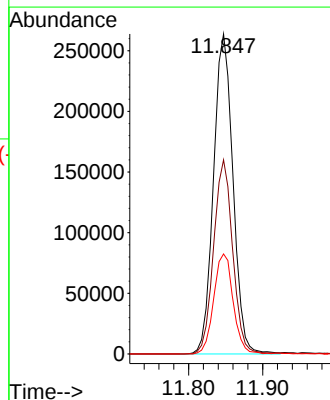
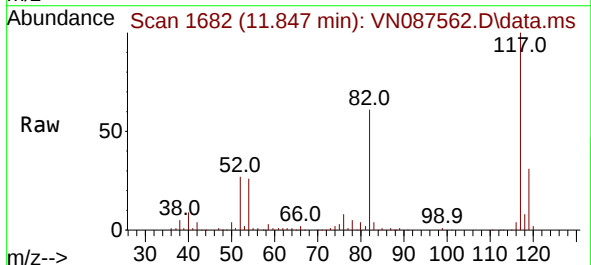
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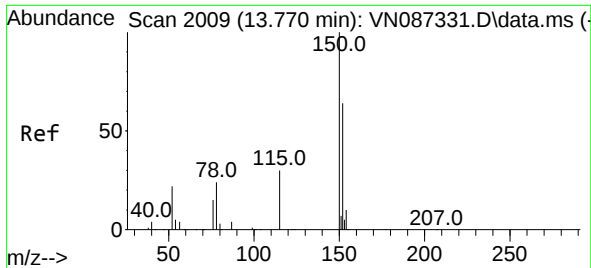
Tgt Ion: 95 Resp: 213976
Ion Ratio Lower Upper
95 100
174 67.2 0.0 149.4
176 62.7 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN087562.D
Acq: 14 Aug 2025 13:52

Tgt Ion: 117 Resp: 481565
Ion Ratio Lower Upper
117 100
82 60.7 47.4 71.2
119 31.3 23.8 35.8





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN087562.D
 Acq: 14 Aug 2025 13:52

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-A5-02-G

Tgt Ion:152 Resp: 225522
 Ion Ratio Lower Upper
 152 100
 115 64.6 31.1 93.5
 150 155.5 0.0 349.0

