

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
 Data File : VN087567.D
 Acq On : 14 Aug 2025 15:42
 Operator : JC\MD
 Sample : Q2842-02 40X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RMW-02B-66.3-08122025

Quant Time: Aug 14 19:59:36 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)

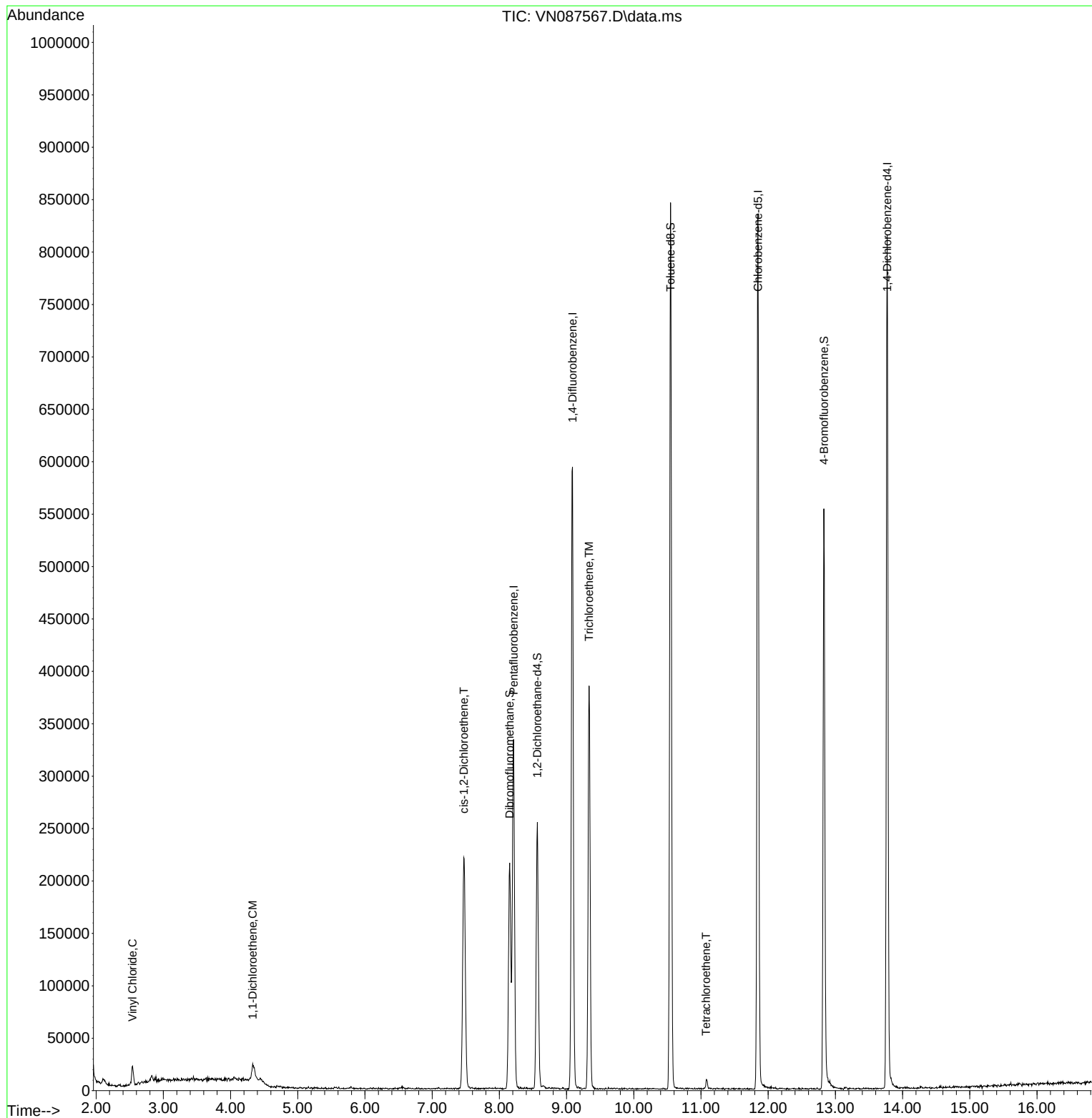
Internal Standards						
1) Pentafluorobenzene	8.212	168	218605	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.088	114	486591	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	438933	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	211146	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	211465	57.010	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	114.020%
35) Dibromofluoromethane	8.153	113	151404	45.108	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.220%
50) Toluene-d8	10.547	98	550924	46.014	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.020%
62) 4-Bromofluorobenzene	12.829	95	199247	45.043	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	90.080%
Target Compounds						
						Qvalue
4) Vinyl Chloride	2.542	62	17532	6.042	ug/l	97
12) 1,1-Dichloroethene	4.330	96	8400	3.365	ug/l	94
27) cis-1,2-Dichloroethene	7.471	96	128340	39.610	ug/l	94
44) Trichloroethene	9.335	130	129163	38.140	ug/l	94
64) Tetrachloroethene	11.076	164	1746	0.618	ug/l #	78

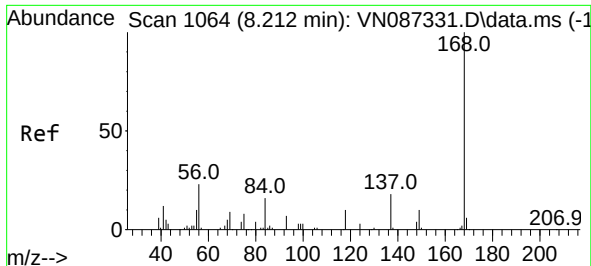
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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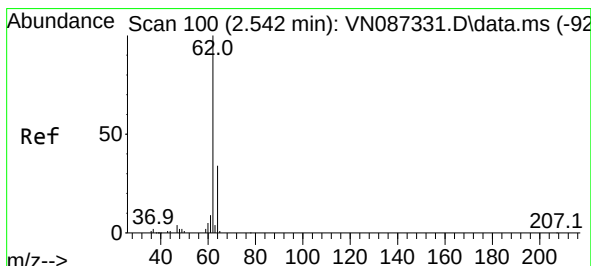
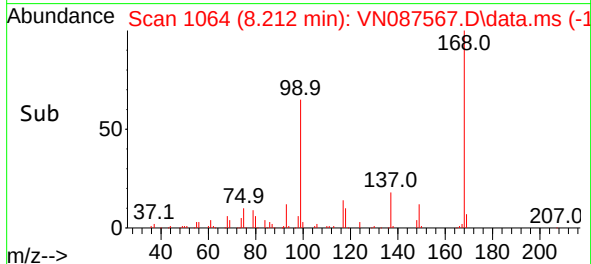
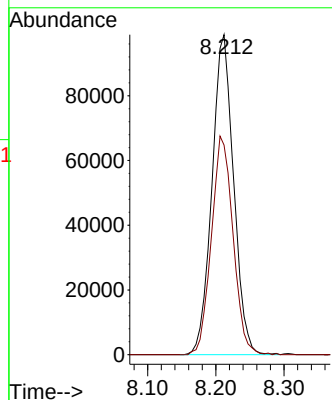
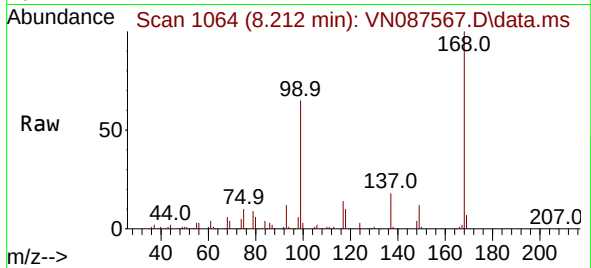




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VN087567.D
Acq: 14 Aug 2025 15:42

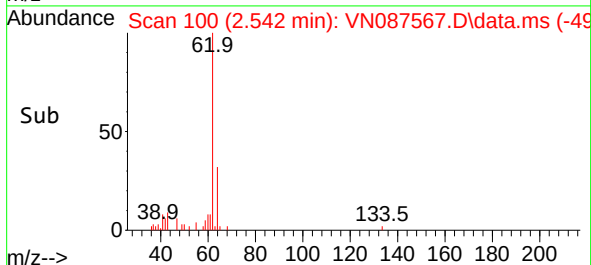
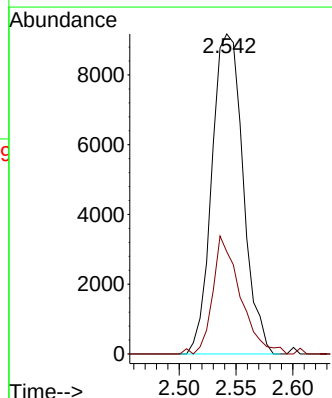
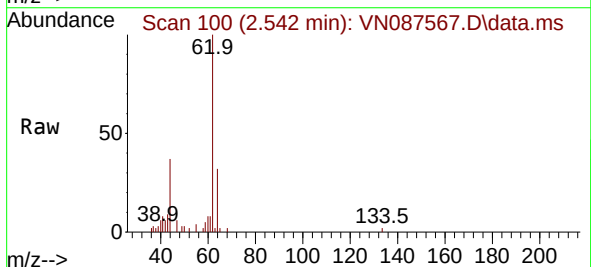
Instrument :
MSVOA_N
ClientSampleId :
RMW-02B-66.3-08122025

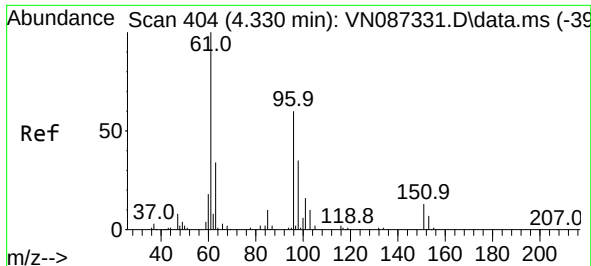
Tgt Ion:168 Resp: 218605
Ion Ratio Lower Upper
168 100
99 65.5 47.9 71.9



#4
Vinyl Chloride
Concen: 6.042 ug/l
RT: 2.542 min Scan# 100
Delta R.T. 0.000 min
Lab File: VN087567.D
Acq: 14 Aug 2025 15:42

Tgt Ion: 62 Resp: 17532
Ion Ratio Lower Upper
62 100
64 31.9 27.0 40.6

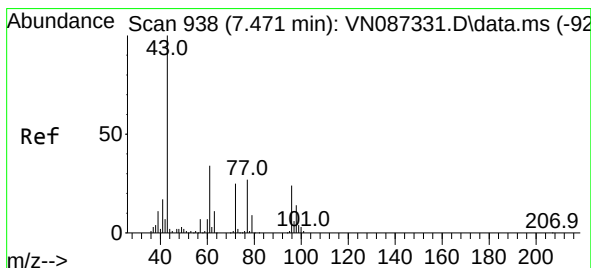
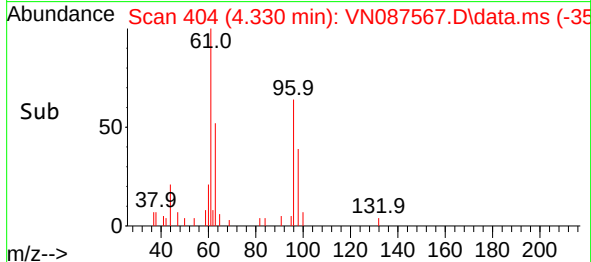
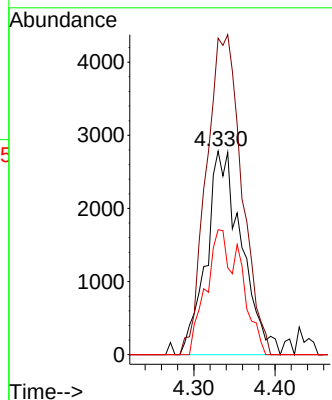
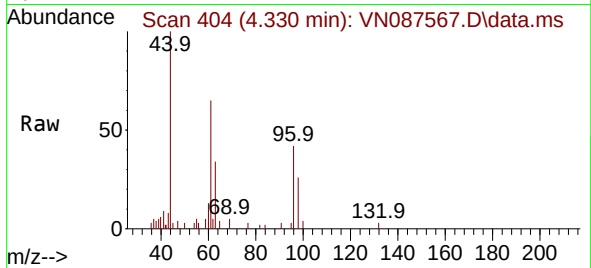




#12
 1,1-Dichloroethene
 Concen: 3.365 ug/l
 RT: 4.330 min Scan# 404
 Delta R.T. 0.000 min
 Lab File: VN087567.D
 Acq: 14 Aug 2025 15:42

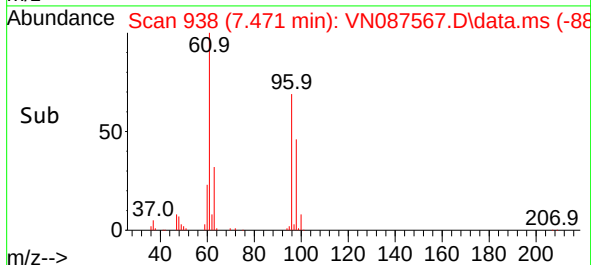
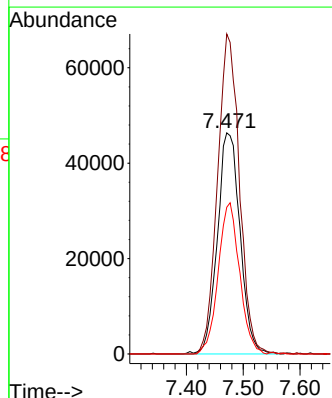
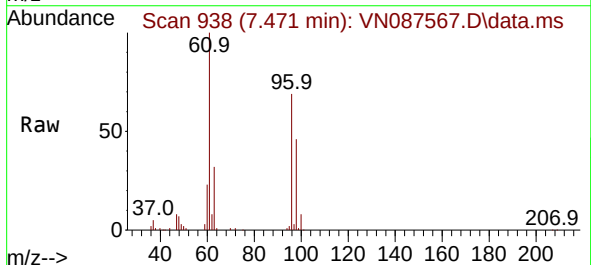
Instrument :
 MSVOA_N
 ClientSampleId :
 RMW-02B-66.3-08122025

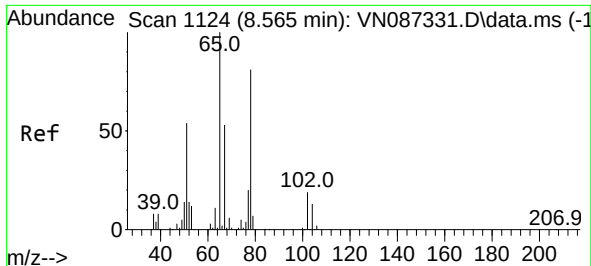
Tgt Ion:	96	Resp:	8400
Ion	Ratio	Lower	Upper
96	100		
61	155.5	132.3	198.5
98	61.4	46.8	70.2



#27
 cis-1,2-Dichloroethene
 Concen: 39.610 ug/l
 RT: 7.471 min Scan# 938
 Delta R.T. 0.000 min
 Lab File: VN087567.D
 Acq: 14 Aug 2025 15:42

Tgt Ion:	96	Resp:	128340
Ion	Ratio	Lower	Upper
96	100		
61	139.9	0.0	297.8
98	64.5	0.0	132.4





#33

1,2-Dichloroethane-d4

Concen: 57.010 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.000 min

Lab File: VN087567.D

Acq: 14 Aug 2025 15:42

Instrument :

MSVOA_N

ClientSampleId :

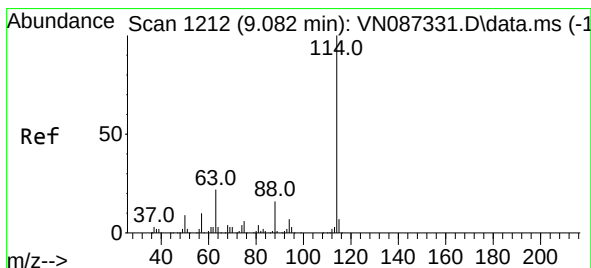
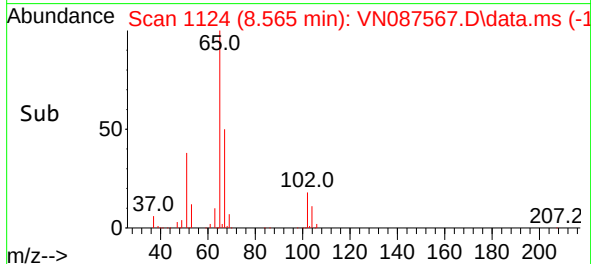
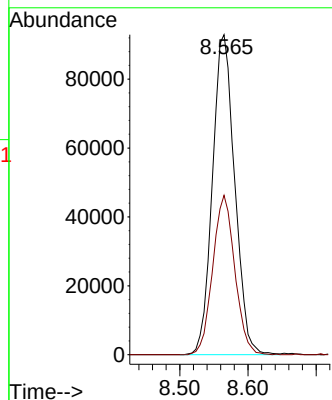
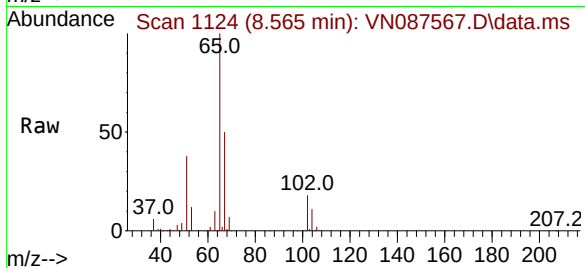
RMW-02B-66.3-08122025

Tgt Ion: 65 Resp: 211465

Ion Ratio Lower Upper

65 100

67 49.2 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.088 min Scan# 1213

Delta R.T. 0.006 min

Lab File: VN087567.D

Acq: 14 Aug 2025 15:42

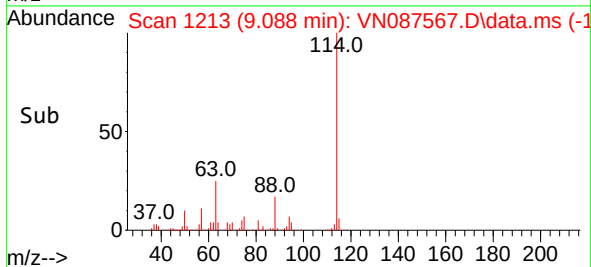
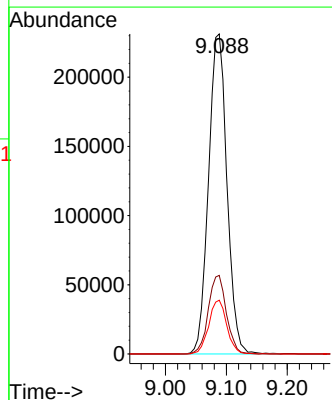
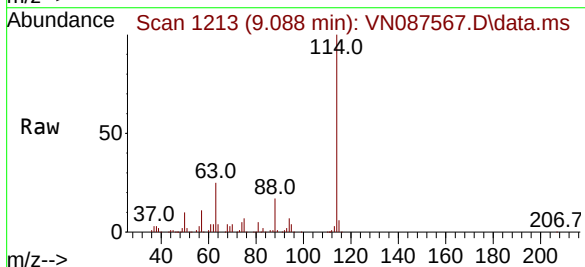
Tgt Ion: 114 Resp: 486591

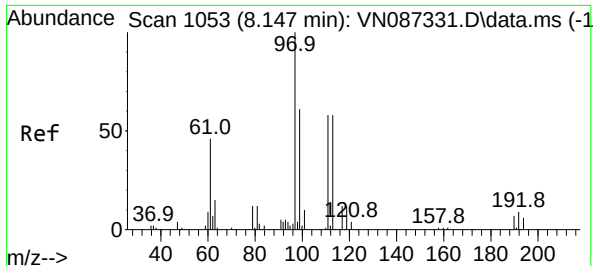
Ion Ratio Lower Upper

114 100

63 24.5 0.0 44.6

88 16.8 0.0 32.8





#35

Dibromofluoromethane

Concen: 45.108 ug/l

RT: 8.153 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN087567.D

Acq: 14 Aug 2025 15:42

Instrument :

MSVOA_N

ClientSampleId :

RMW-02B-66.3-08122025

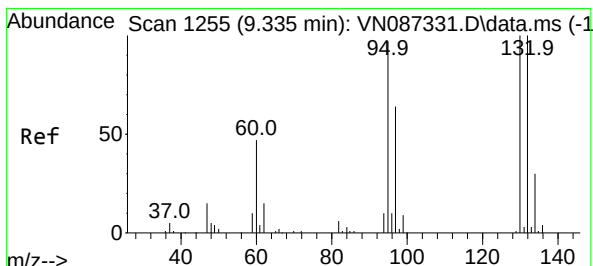
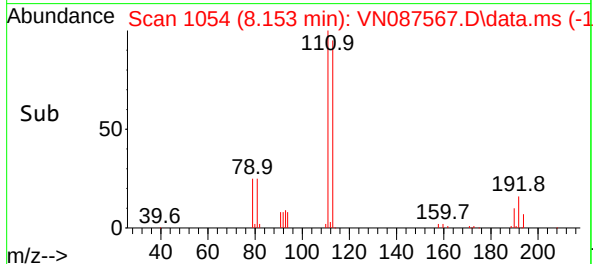
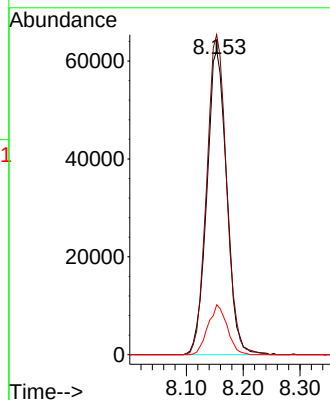
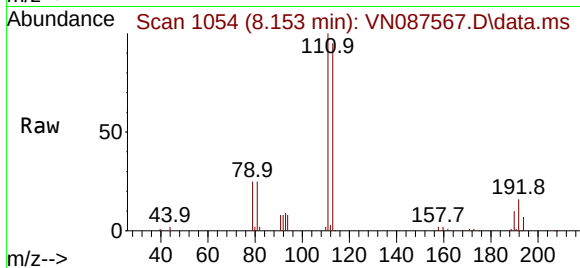
Tgt Ion:113 Resp: 151404

Ion Ratio Lower Upper

113 100

111 104.3 82.5 123.7

192 15.8 13.7 20.5



#44

Trichloroethene

Concen: 38.140 ug/l

RT: 9.335 min Scan# 1255

Delta R.T. 0.000 min

Lab File: VN087567.D

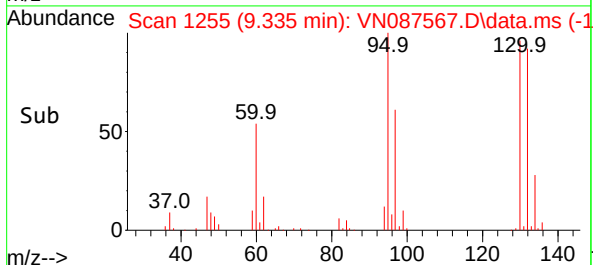
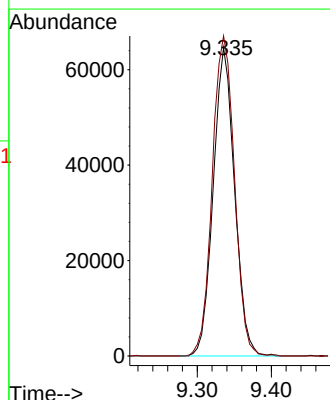
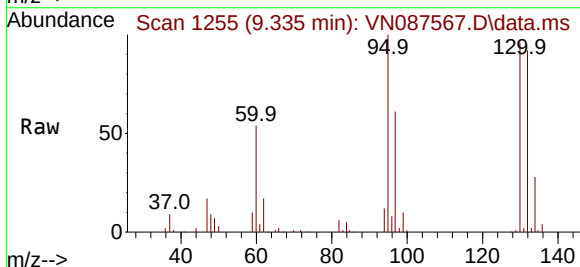
Acq: 14 Aug 2025 15:42

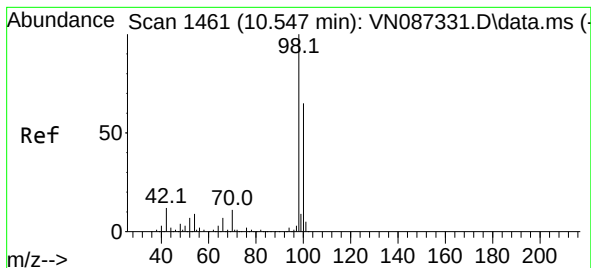
Tgt Ion:130 Resp: 129163

Ion Ratio Lower Upper

130 100

95 103.7 0.0 195.2





#50

Toluene-d8

Concen: 46.014 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VN087567.D

Acq: 14 Aug 2025 15:42

Instrument :

MSVOA_N

ClientSampleId :

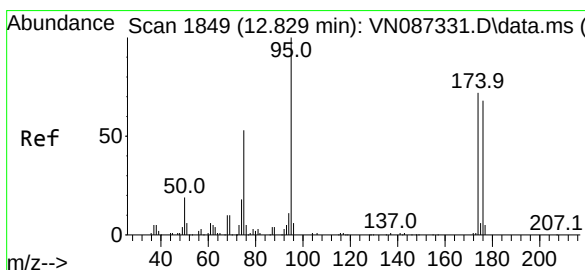
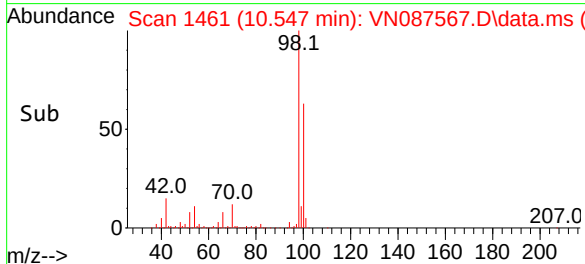
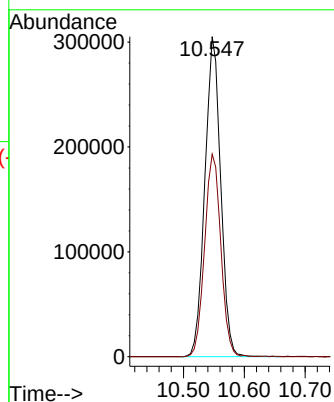
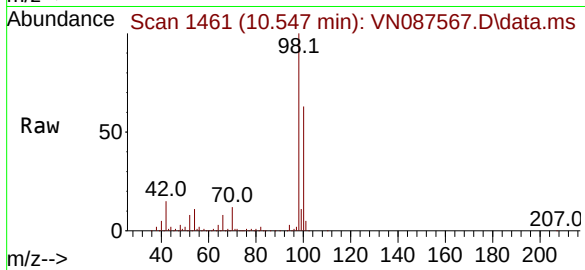
RMW-02B-66.3-08122025

Tgt Ion: 98 Resp: 550924

Ion Ratio Lower Upper

98 100

100 64.8 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 45.043 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. 0.000 min

Lab File: VN087567.D

Acq: 14 Aug 2025 15:42

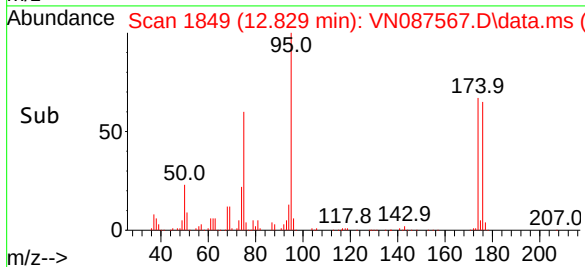
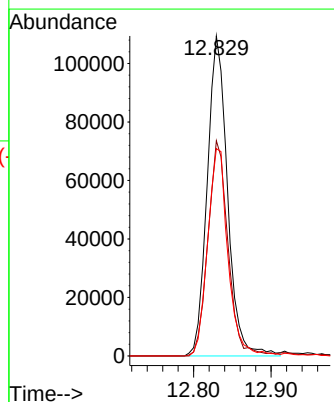
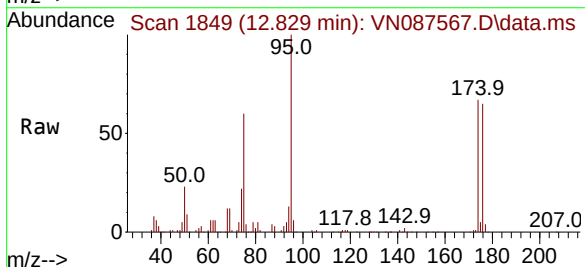
Tgt Ion: 95 Resp: 199247

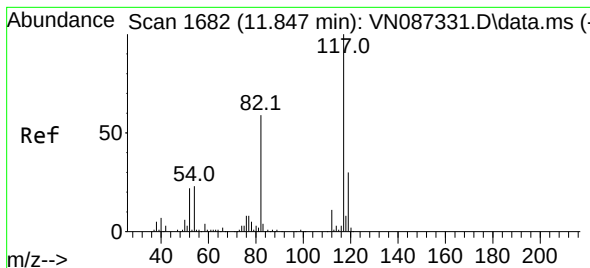
Ion Ratio Lower Upper

95 100

174 66.4 0.0 149.4

176 64.9 0.0 141.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.847 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087567.D

Acq: 14 Aug 2025 15:42

Instrument :

MSVOA_N

ClientSampleId :

RMW-02B-66.3-08122025

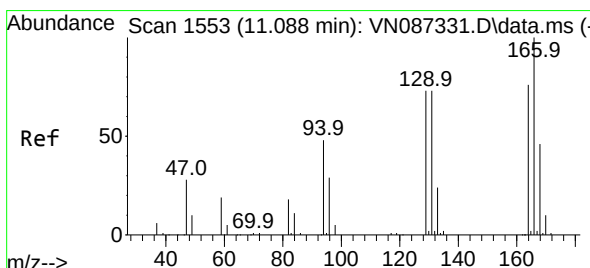
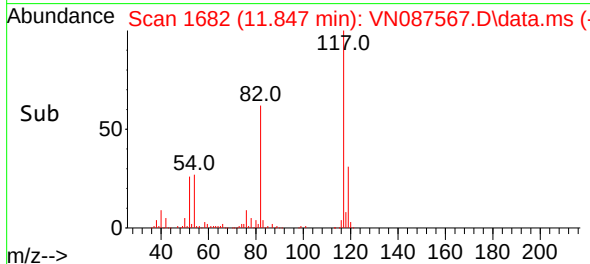
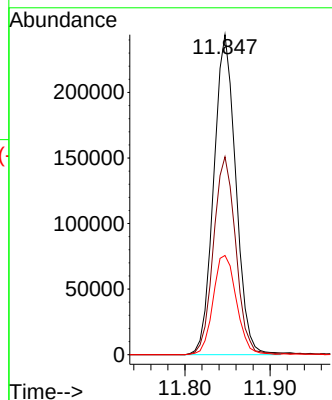
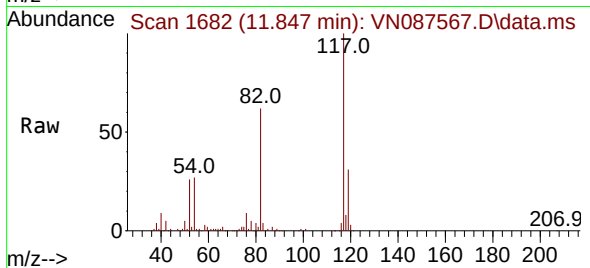
Tgt Ion:117 Resp: 438933

Ion Ratio Lower Upper

117 100

82 61.8 47.4 71.2

119 31.0 23.8 35.8



#64

Tetrachloroethene

Concen: 0.618 ug/l

RT: 11.076 min Scan# 1551

Delta R.T. -0.012 min

Lab File: VN087567.D

Acq: 14 Aug 2025 15:42

Tgt Ion:164 Resp: 1746

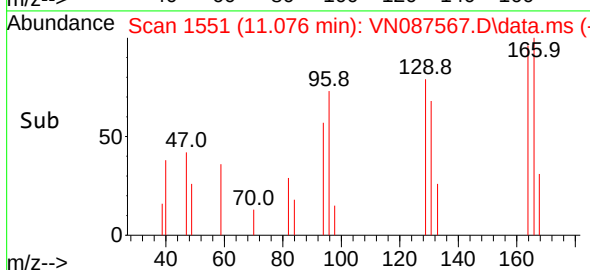
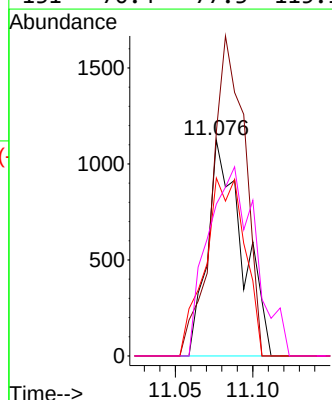
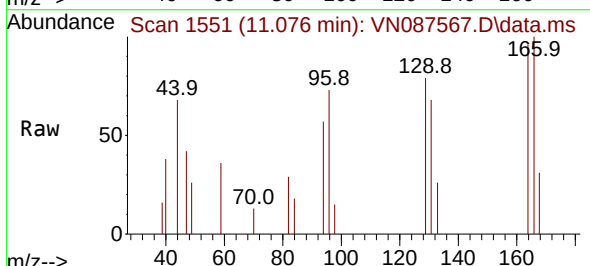
Ion Ratio Lower Upper

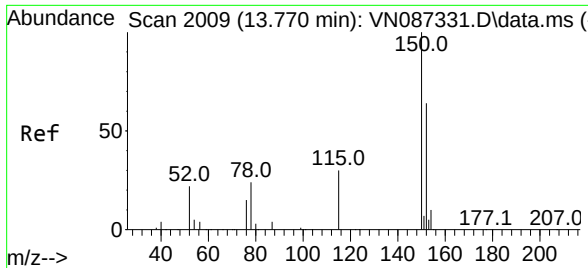
164 100

166 103.9 105.5 158.3#

129 82.5 77.4 116.2

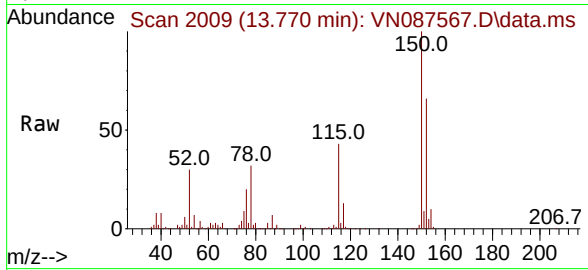
131 70.4 77.3 115.9#





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN087567.D
 Acq: 14 Aug 2025 15:42

Instrument :
 MSVOA_N
 ClientSampleId :
 RMW-02B-66.3-08122025



Tgt Ion:	152	Resp:	211146
Ion	Ratio	Lower	Upper
152	100		
115	63.3	31.1	93.5
150	156.0	0.0	349.0

