

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
 Data File : VN087860.D
 Acq On : 16 Sep 2025 18:58
 Operator : JC\MD
 Sample : Q3021-03 200X
 Misc : 1.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 821-D

Quant Time: Sep 17 01:27:59 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)

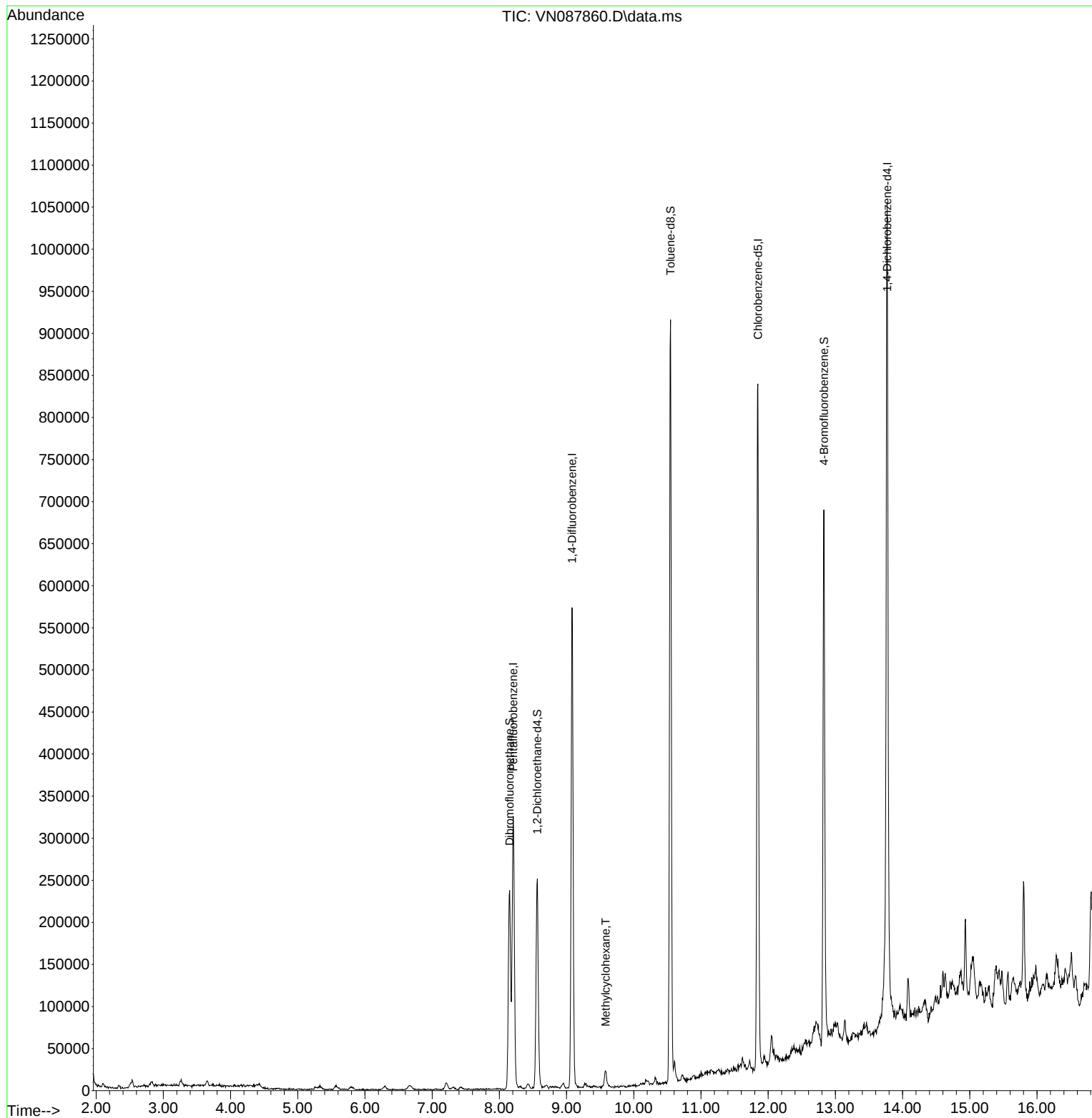
Internal Standards						
1) Pentafluorobenzene	8.206	168	223545	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	489022	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	472513	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	236206	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	201953	44.093	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	88.180%
35) Dibromofluoromethane	8.153	113	170635	48.329	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.660%
50) Toluene-d8	10.547	98	616540	46.655	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.300%
62) 4-Bromofluorobenzene	12.829	95	231438	49.246	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.500%
Target Compounds						
39) Methylcyclohexane	9.582	83	8121	1.362	ug/l	Qvalue # 71

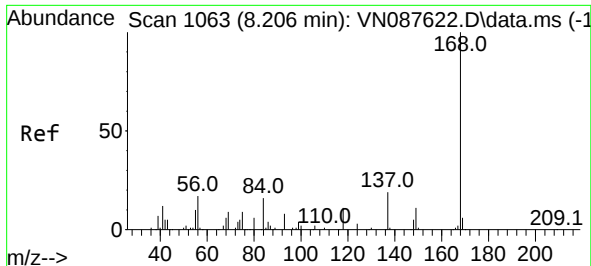
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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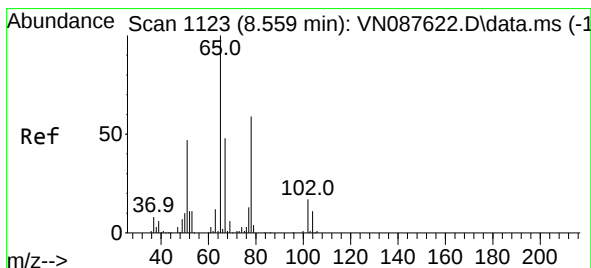
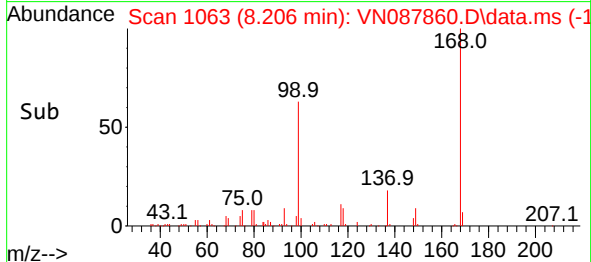
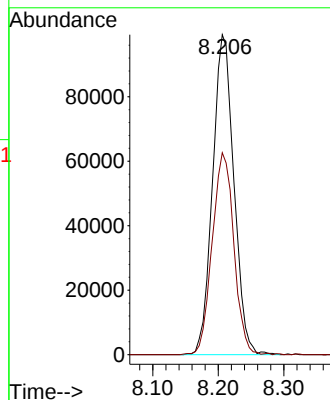
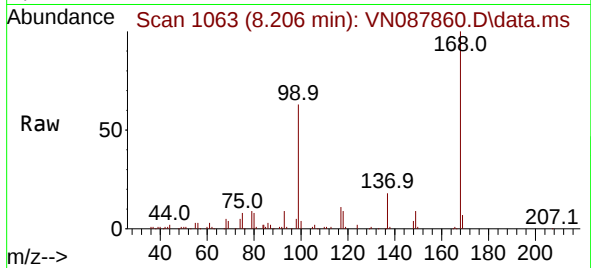




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VN087860.D
Acq: 16 Sep 2025 18:58

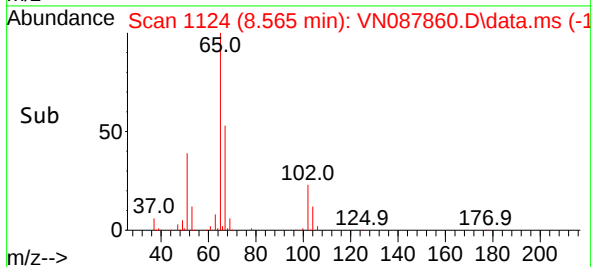
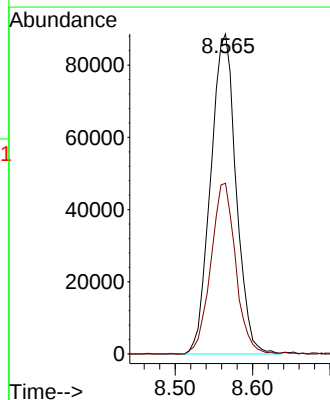
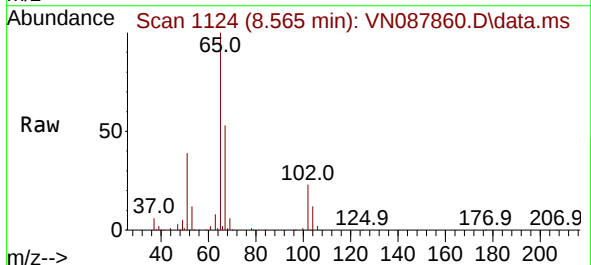
Instrument :
MSVOA_N
ClientSampleId :
821-D

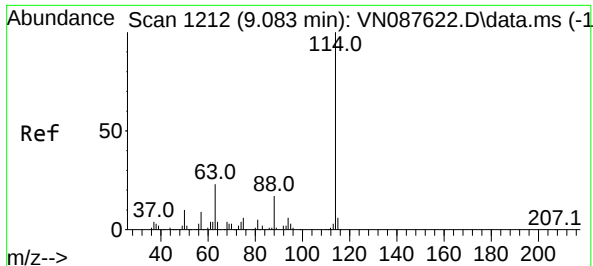
Tgt Ion:168 Resp: 223545
Ion Ratio Lower Upper
168 100
99 63.1 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 44.093 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087860.D
Acq: 16 Sep 2025 18:58

Tgt Ion: 65 Resp: 201953
Ion Ratio Lower Upper
65 100
67 52.0 0.0 100.0

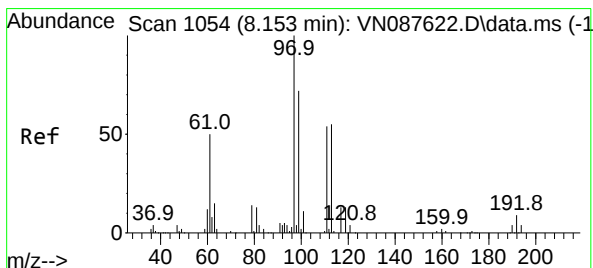
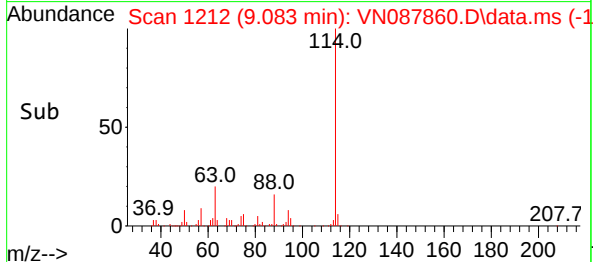
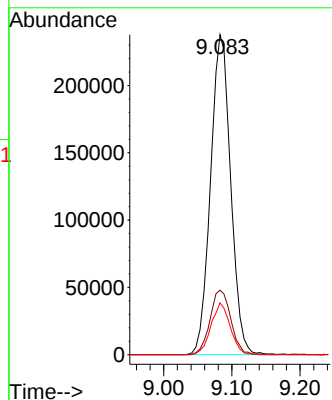
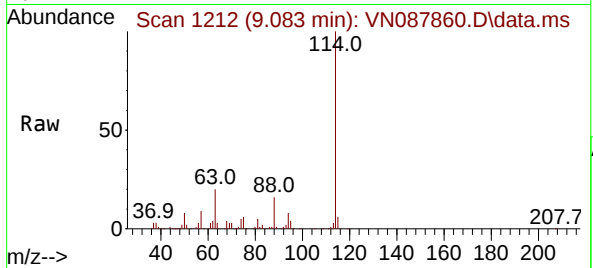




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087860.D
Acq: 16 Sep 2025 18:58

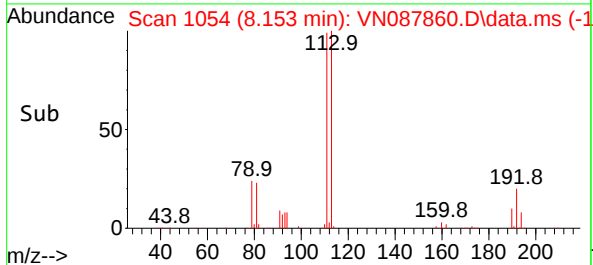
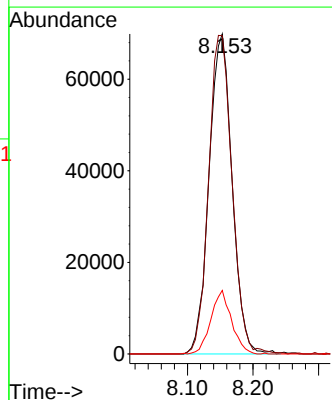
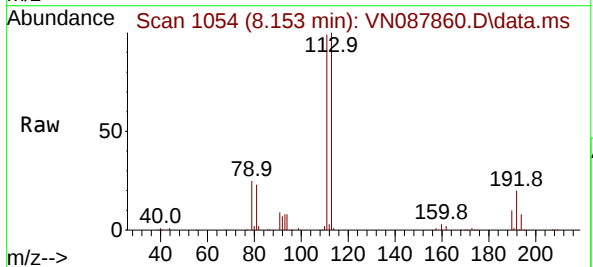
Instrument :
MSVOA_N
ClientSampleId :
821-D

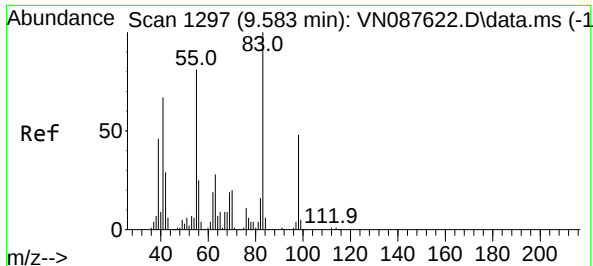
Tgt Ion:114 Resp: 489022
Ion Ratio Lower Upper
114 100
63 20.1 0.0 45.2
88 16.2 0.0 33.4



#35
Dibromofluoromethane
Concen: 48.329 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. -0.000 min
Lab File: VN087860.D
Acq: 16 Sep 2025 18:58

Tgt Ion:113 Resp: 170635
Ion Ratio Lower Upper
113 100
111 101.2 82.8 124.2
192 17.8 12.8 19.2





#39

Methylcyclohexane

Concen: 1.362 ug/l

RT: 9.582 min Scan# 1297

Delta R.T. -0.000 min

Lab File: VN087860.D

Acq: 16 Sep 2025 18:58

Instrument :

MSVOA_N

ClientSampleId :

821-D

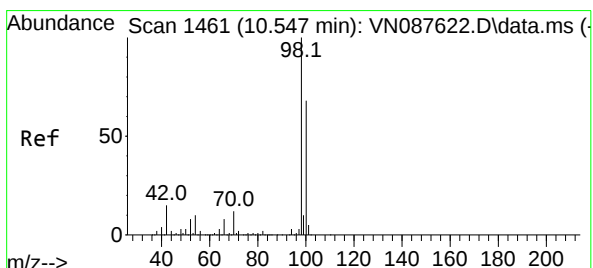
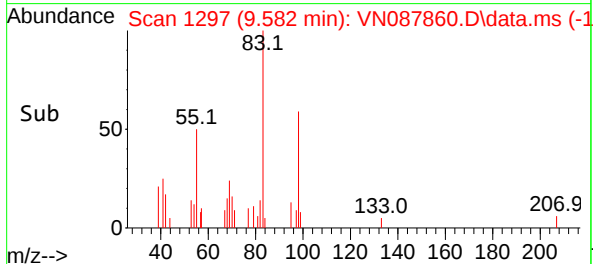
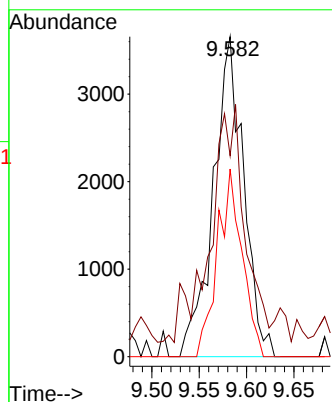
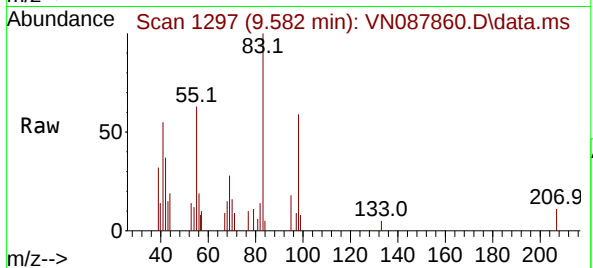
Tgt Ion: 83 Resp: 8121

Ion Ratio Lower Upper

83 100

55 47.6 64.6 96.8#

98 58.7 38.4 57.6#



#50

Toluene-d8

Concen: 46.655 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. -0.000 min

Lab File: VN087860.D

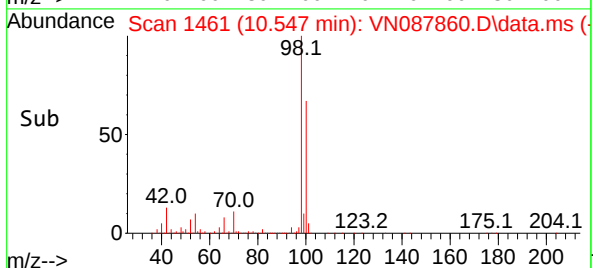
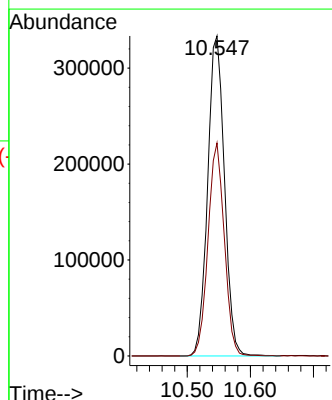
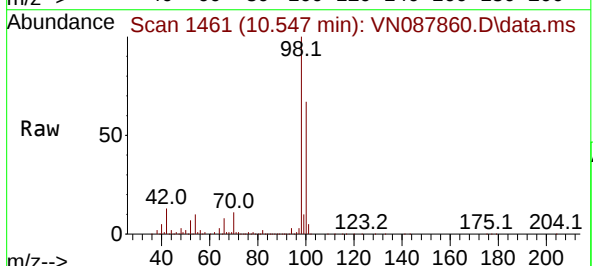
Acq: 16 Sep 2025 18:58

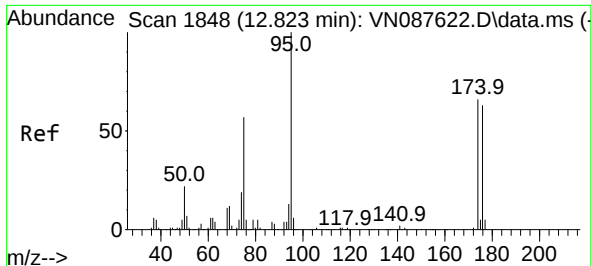
Tgt Ion: 98 Resp: 616540

Ion Ratio Lower Upper

98 100

100 64.6 52.8 79.2

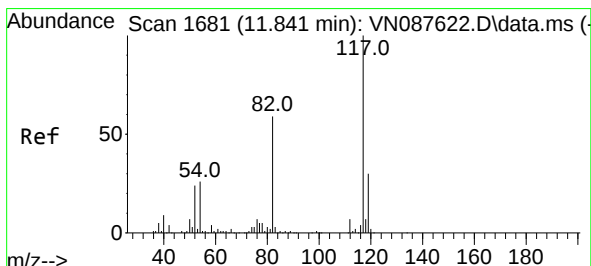
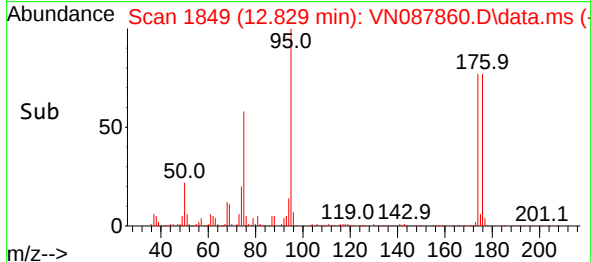
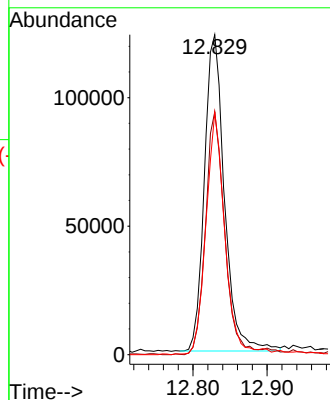
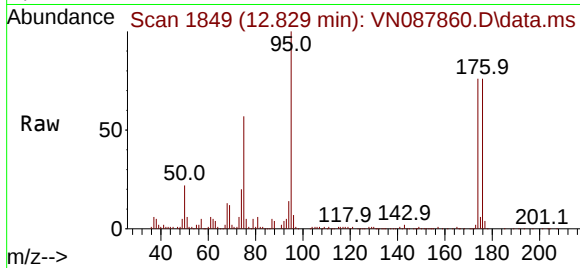




#62
4-Bromofluorobenzene
Concen: 49.246 ug/l
RT: 12.829 min Scan# 1848
Delta R.T. 0.006 min
Lab File: VN087860.D
Acq: 16 Sep 2025 18:58

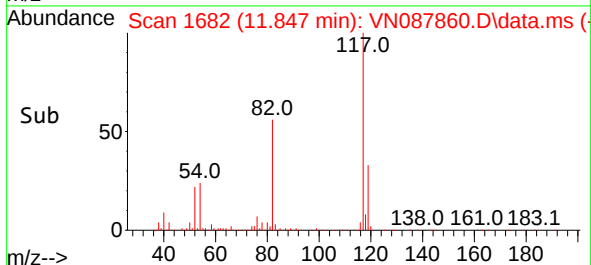
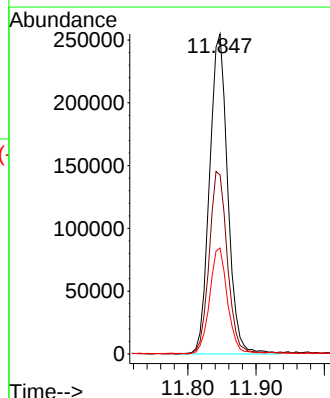
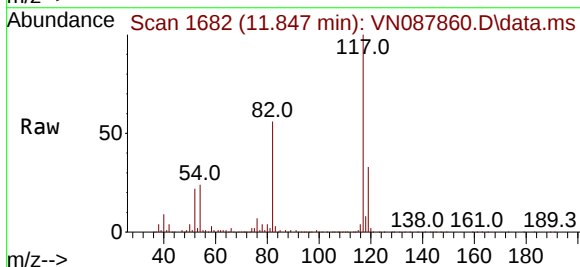
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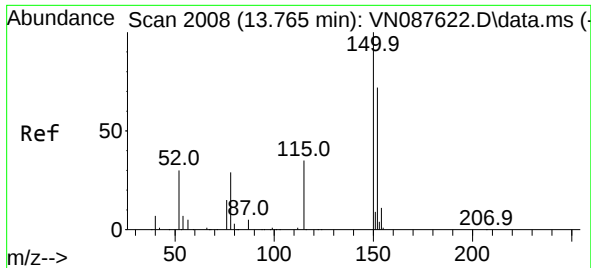
Tgt Ion: 95 Resp: 231438
Ion Ratio Lower Upper
95 100
174 73.1 0.0 138.4
176 72.5 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087860.D
Acq: 16 Sep 2025 18:58

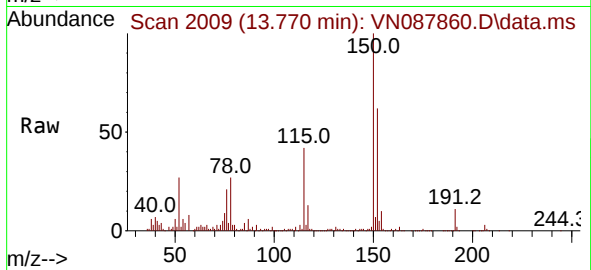
Tgt Ion: 117 Resp: 472513
Ion Ratio Lower Upper
117 100
82 55.9 47.4 71.2
119 32.9 24.3 36.5





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN087860.D
 Acq: 16 Sep 2025 18:58

Instrument :
 MSVOA_N
 ClientSampleId :
 821-D



Tgt Ion	Ratio	Lower	Upper
152	100		
115	67.5	32.3	96.8
150	159.0	0.0	351.0

