

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
 Data File : VN087841.D
 Acq On : 15 Sep 2025 16:25
 Operator : JC\MD
 Sample : Q3074-01
 Misc : 1.08g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MOO-25-0141

Quant Time: Sep 16 01:42:45 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)

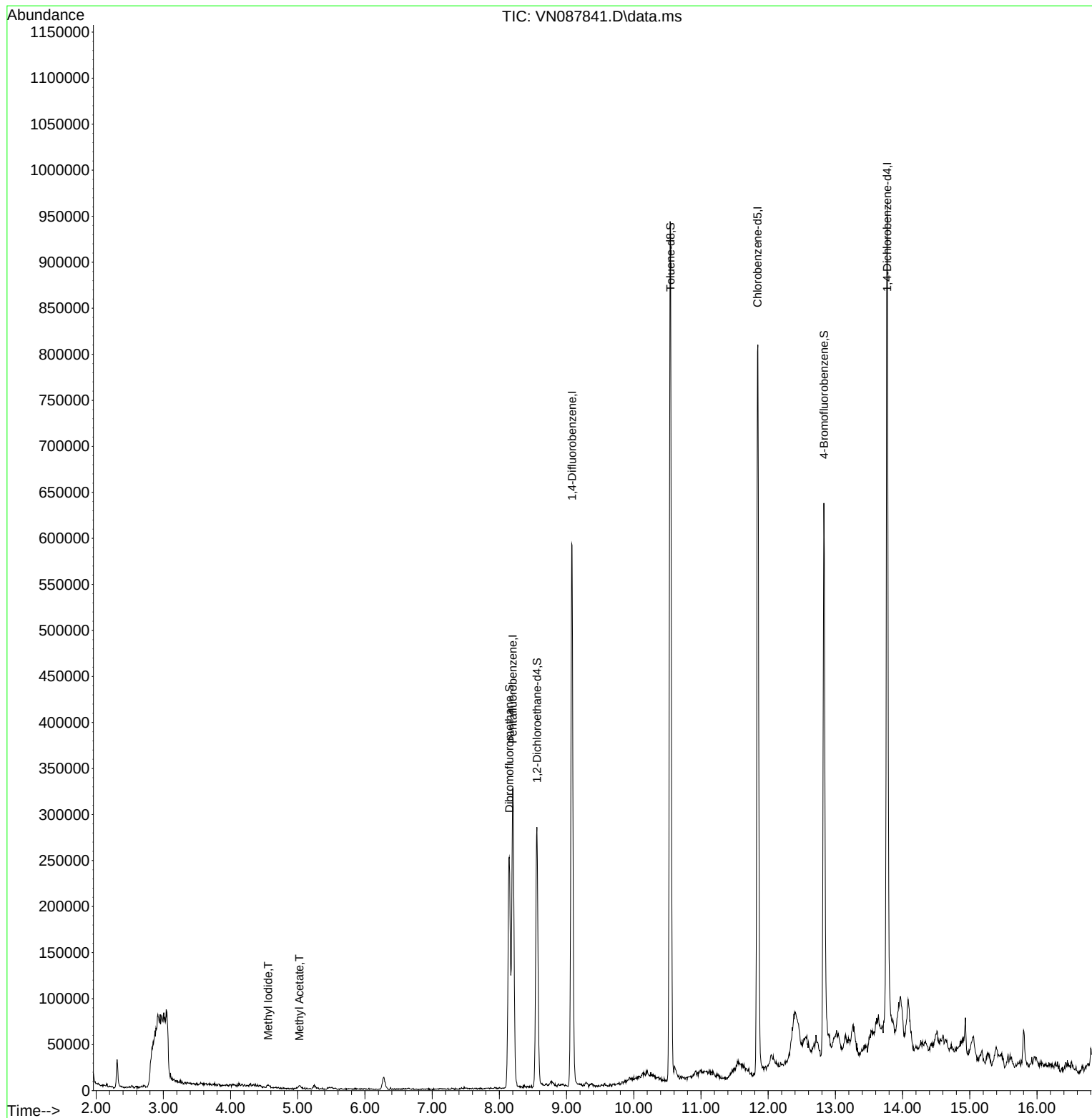
Internal Standards						
1) Pentafluorobenzene	8.200	168	225393	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	514362	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	471982	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	234658	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	236328	51.175	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	102.340%
35) Dibromofluoromethane	8.147	113	184715	49.739	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.480%
50) Toluene-d8	10.547	98	660064	47.488	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.980%
62) 4-Bromofluorobenzene	12.829	95	218956	44.295	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	88.580%
Target Compounds						
						Qvalue
10) Methyl Iodide	4.559	142	7691	9.622	ug/l	# 89
18) Methyl Acetate	5.024	43	7733	1.469	ug/l	91

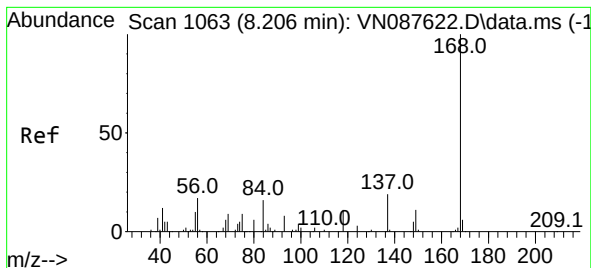
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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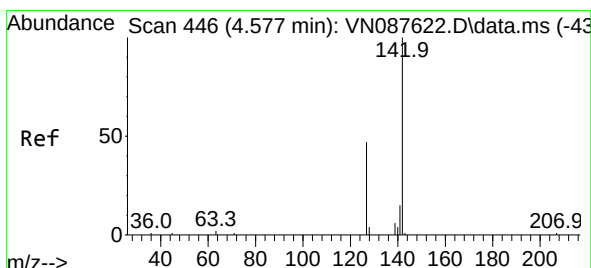
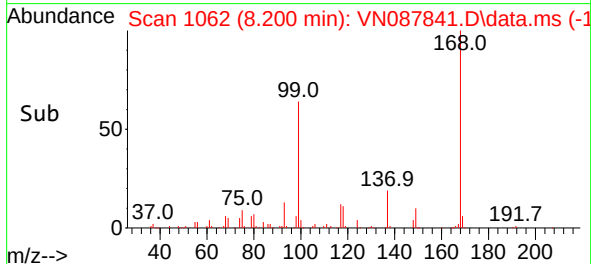
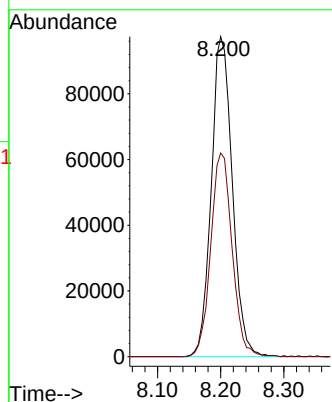
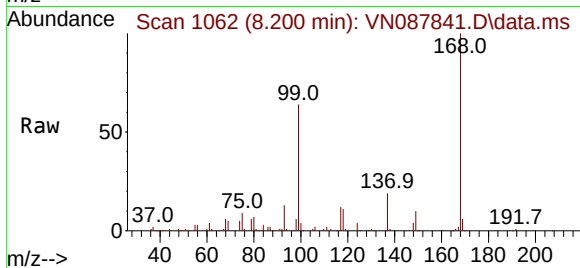




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.200 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087841.D
Acq: 15 Sep 2025 16:25

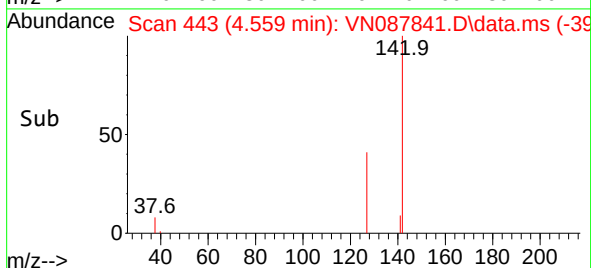
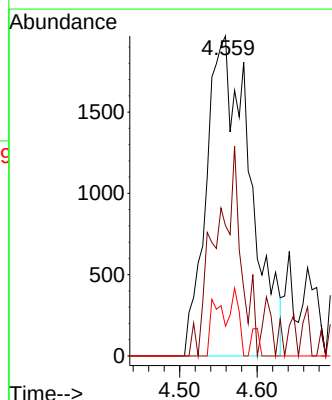
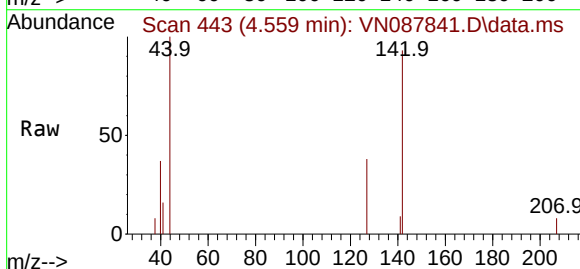
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0141

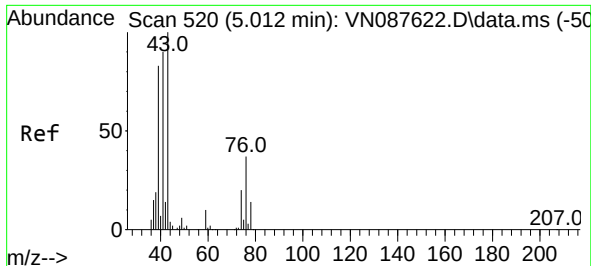
Tgt Ion:168 Resp: 225393
Ion Ratio Lower Upper
168 100
99 63.6 57.2 85.8



#10
Methyl Iodide
Concen: 9.622 ug/l
RT: 4.559 min Scan# 443
Delta R.T. -0.018 min
Lab File: VN087841.D
Acq: 15 Sep 2025 16:25

Tgt Ion:142 Resp: 7691
Ion Ratio Lower Upper
142 100
127 40.7 38.0 57.0
141 9.3 12.0 18.0#

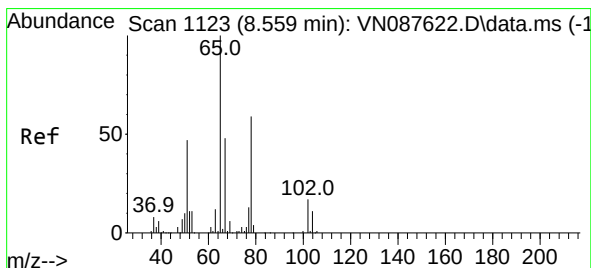
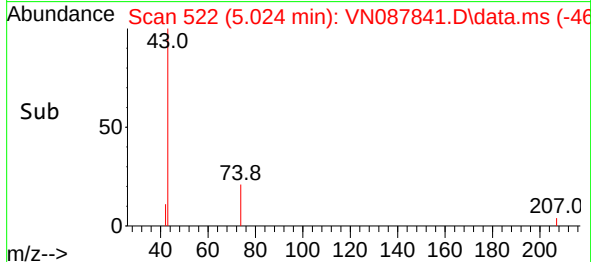
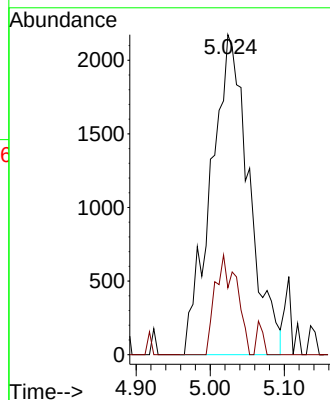
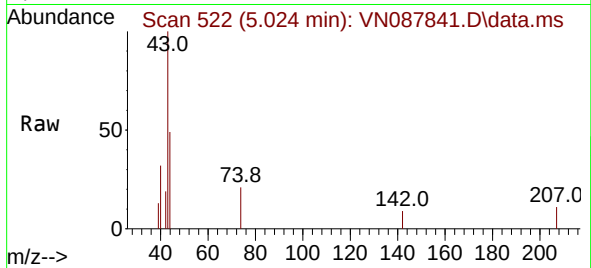




#18
Methyl Acetate
Concen: 1.469 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN087841.D
Acq: 15 Sep 2025 16:25

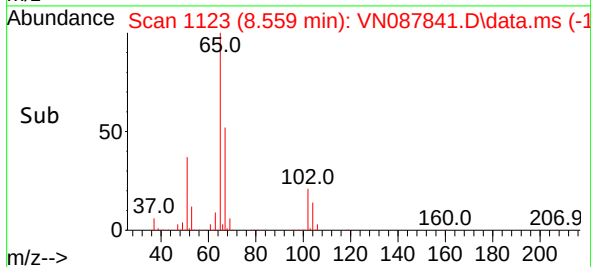
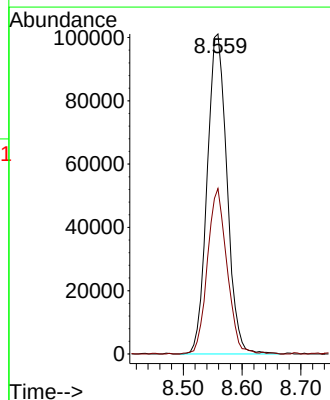
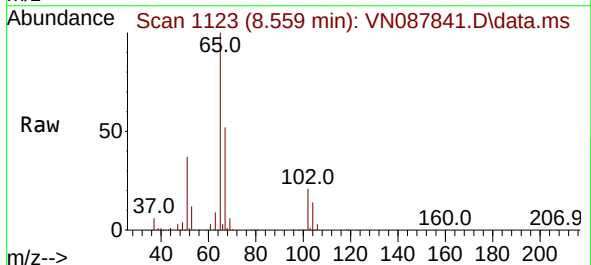
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0141

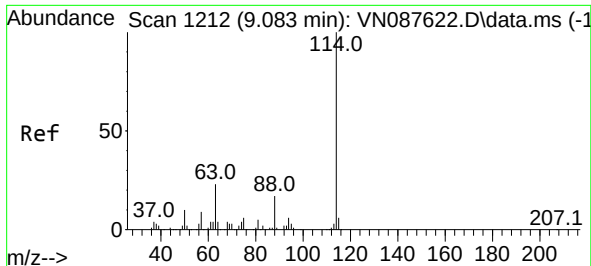
Tgt Ion: 43 Resp: 7733
Ion Ratio Lower Upper
43 100
74 17.8 17.6 26.4



#33
1,2-Dichloroethane-d4
Concen: 51.175 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087841.D
Acq: 15 Sep 2025 16:25

Tgt Ion: 65 Resp: 236328
Ion Ratio Lower Upper
65 100
67 51.0 0.0 100.0

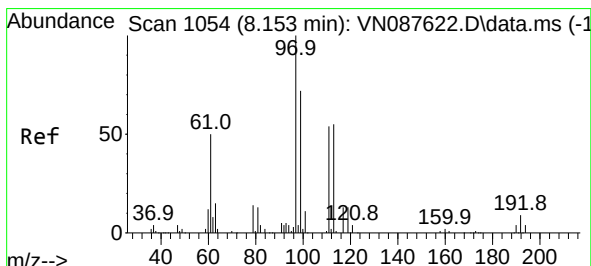
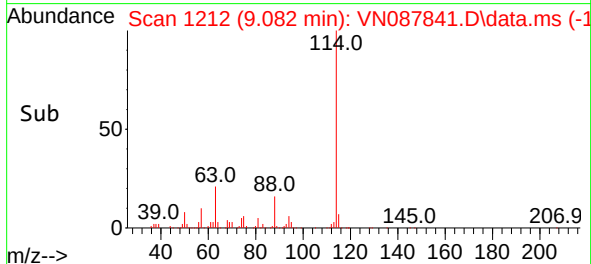
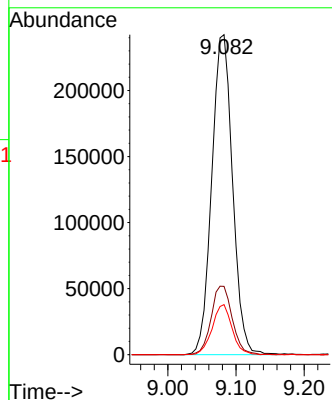
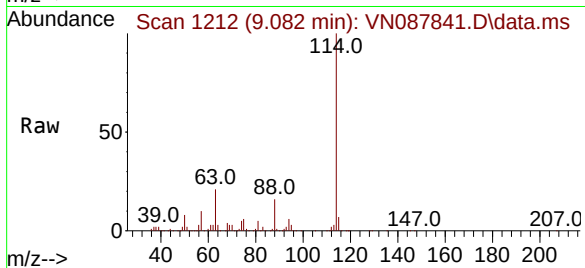




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087841.D
Acq: 15 Sep 2025 16:25

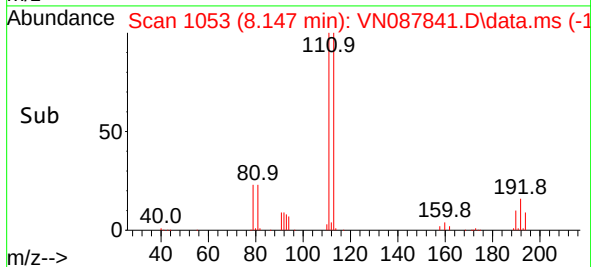
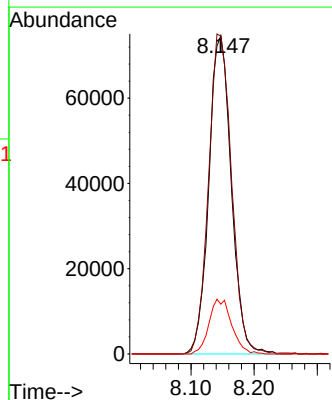
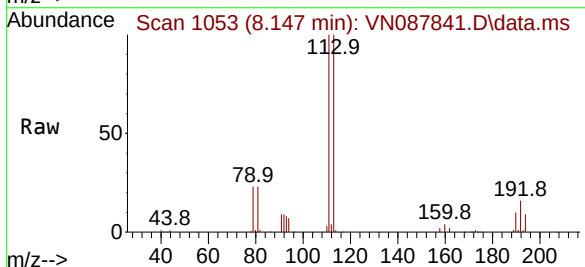
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0141

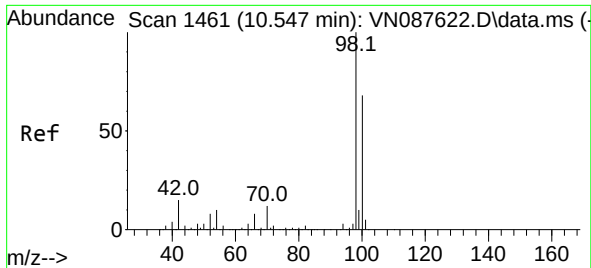
Tgt Ion:114 Resp: 514362
Ion Ratio Lower Upper
114 100
63 21.3 0.0 45.2
88 15.7 0.0 33.4



#35
Dibromofluoromethane
Concen: 49.739 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN087841.D
Acq: 15 Sep 2025 16:25

Tgt Ion:113 Resp: 184715
Ion Ratio Lower Upper
113 100
111 102.6 82.8 124.2
192 17.4 12.8 19.2

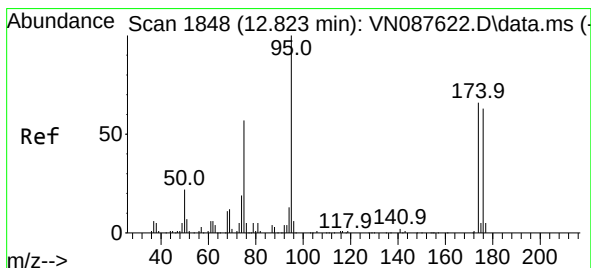
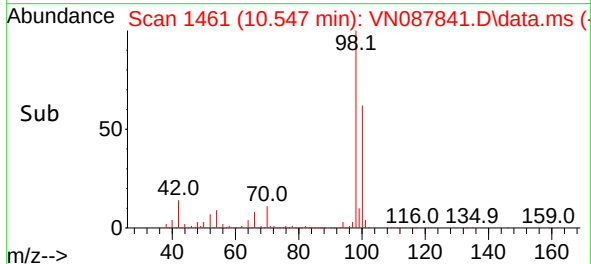
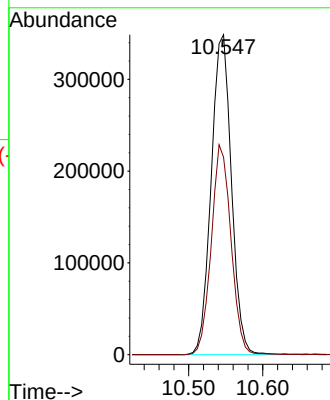
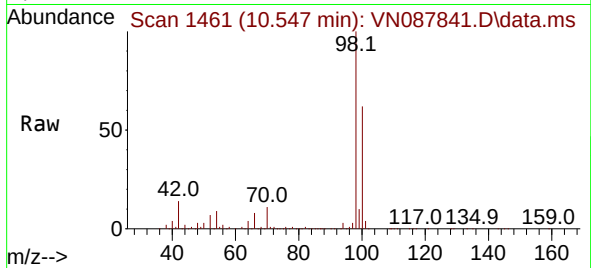




#50
Toluene-d8
Concen: 47.488 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087841.D
Acq: 15 Sep 2025 16:25

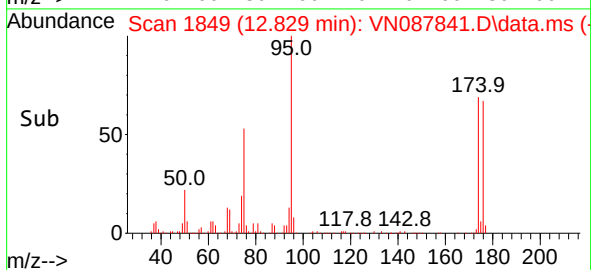
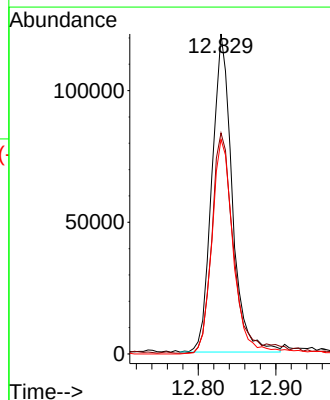
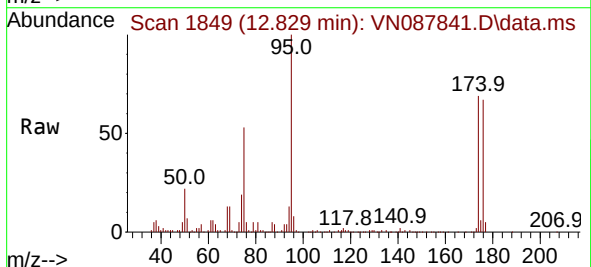
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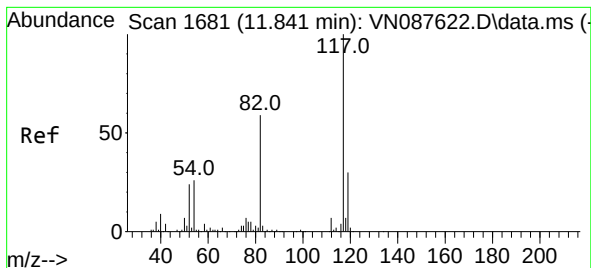
Tgt Ion: 98 Resp: 660064
Ion Ratio Lower Upper
98 100
100 64.0 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 44.295 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087841.D
Acq: 15 Sep 2025 16:25

Tgt Ion: 95 Resp: 218956
Ion Ratio Lower Upper
95 100
174 76.8 0.0 138.4
176 72.5 0.0 132.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.841 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087841.D

Acq: 15 Sep 2025 16:25

Instrument :

MSVOA_N

ClientSampleId :

MOO-25-0141

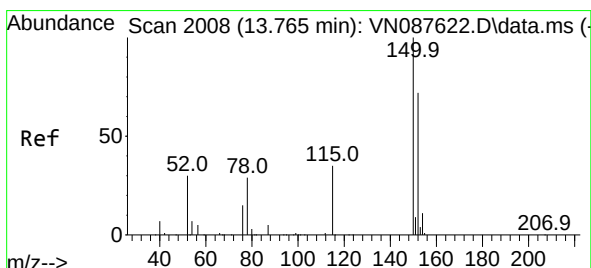
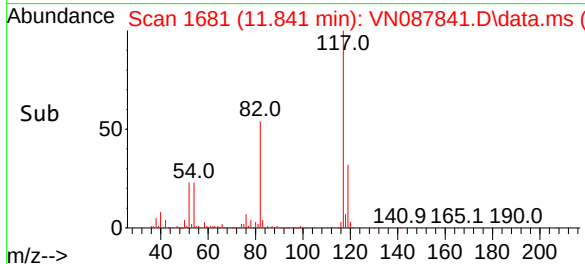
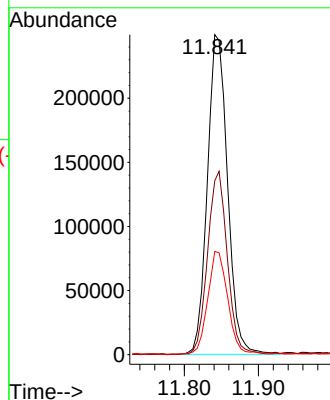
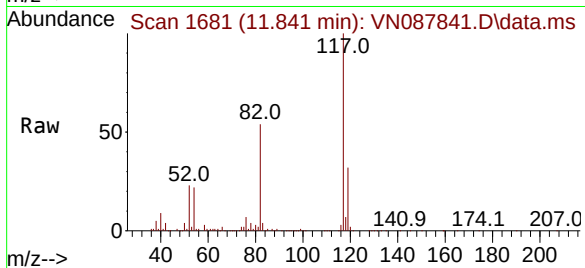
Tgt Ion:117 Resp: 471982

Ion Ratio Lower Upper

117 100

82 54.2 47.4 71.2

119 32.1 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: VN087841.D

Acq: 15 Sep 2025 16:25

Tgt Ion:152 Resp: 234658

Ion Ratio Lower Upper

152 100

115 61.8 32.3 96.8

150 158.1 0.0 351.0

