

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
 Data File : VN087840.D
 Acq On : 15 Sep 2025 16:04
 Operator : JC\MD
 Sample : Q3075-04
 Misc : 1.06g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MOO-25-0258

Quant Time: Sep 16 01:42:05 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)

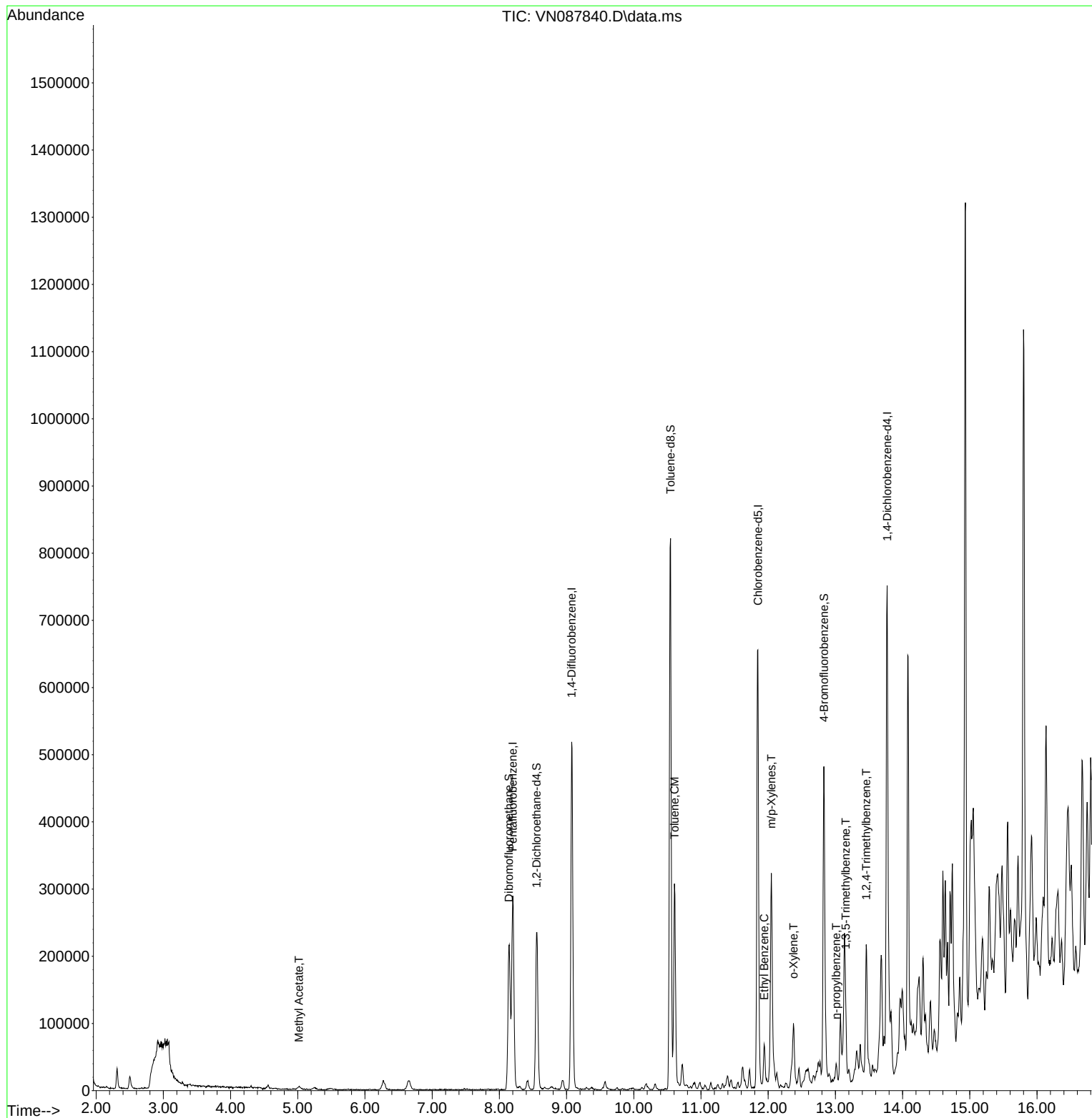
Internal Standards						
1) Pentafluorobenzene	8.200	168	192857	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.076	114	437980	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	379612	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	187908	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.553	65	202374	51.216	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	102.440%
35) Dibromofluoromethane	8.141	113	156756	49.572	ug/l	-0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.140%
50) Toluene-d8	10.547	98	554719	46.869	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.740%
62) 4-Bromofluorobenzene	12.829	95	170035	40.397	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	80.800%
Target Compounds						
						Qvalue
18) Methyl Acetate	5.018	43	9543	2.119	ug/l	# 89
52) Toluene	10.606	92	126761	13.742	ug/l	96
67) Ethyl Benzene	11.941	91	44255	2.706	ug/l	98
68) m/p-Xylenes	12.047	106	71193	11.872	ug/l	94
69) o-Xylene	12.376	106	25806	4.391	ug/l	97
78) n-propylbenzene	13.012	91	23209	1.241	ug/l	95
80) 1,3,5-Trimethylbenzene	13.153	105	31720	2.463	ug/l	96
84) 1,2,4-Trimethylbenzene	13.459	105	120824	9.370	ug/l	99

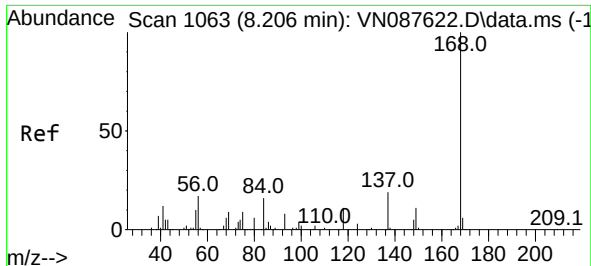
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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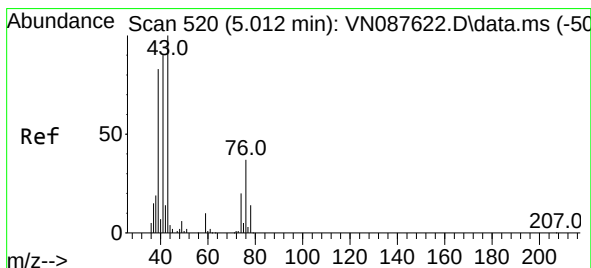
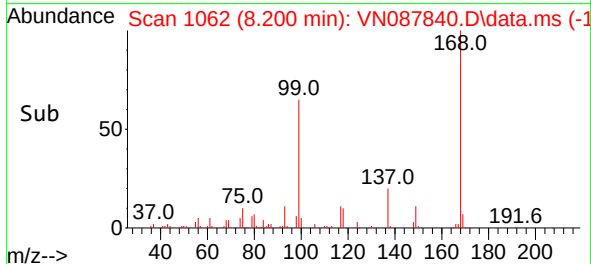
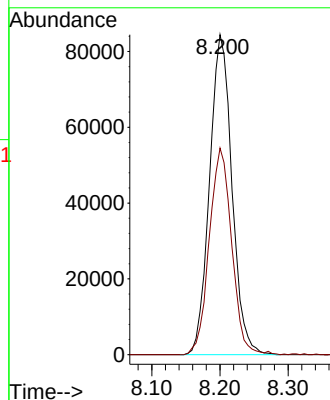
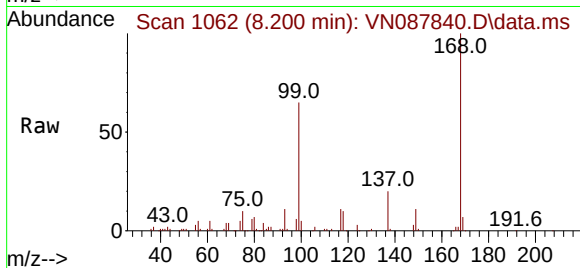




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.200 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087840.D
Acq: 15 Sep 2025 16:04

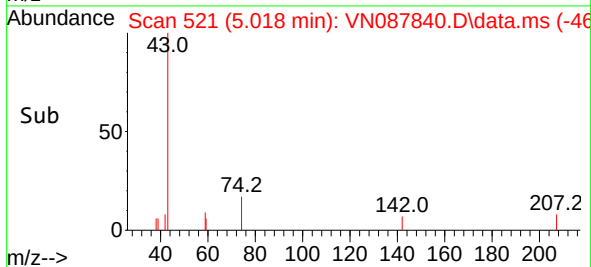
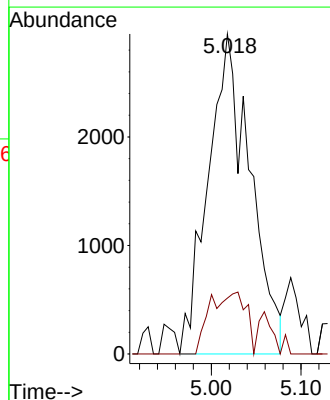
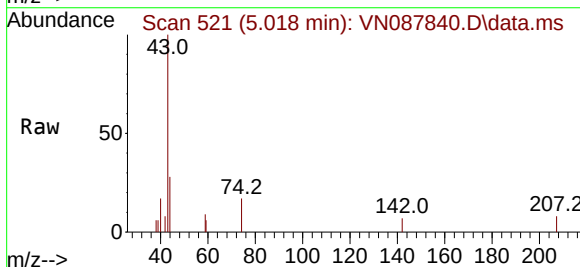
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0258

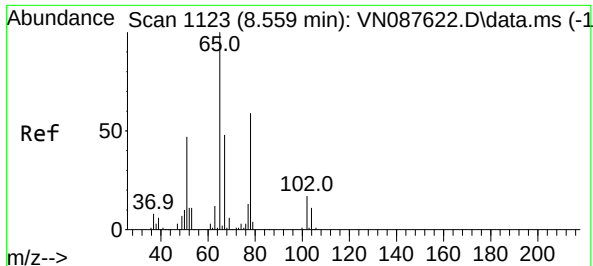
Tgt Ion:168 Resp: 192857
Ion Ratio Lower Upper
168 100
99 64.6 57.2 85.8



#18
Methyl Acetate
Concen: 2.119 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.006 min
Lab File: VN087840.D
Acq: 15 Sep 2025 16:04

Tgt Ion: 43 Resp: 9543
Ion Ratio Lower Upper
43 100
74 16.6 17.6 26.4#





#33

1,2-Dichloroethane-d4

Concen: 51.216 ug/l

RT: 8.553 min Scan# 1122

Delta R.T. -0.006 min

Lab File: VN087840.D

Acq: 15 Sep 2025 16:04

Instrument :

MSVOA_N

ClientSampleId :

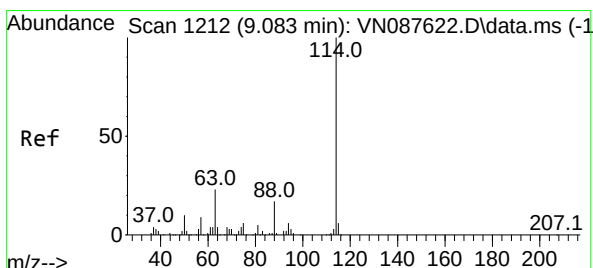
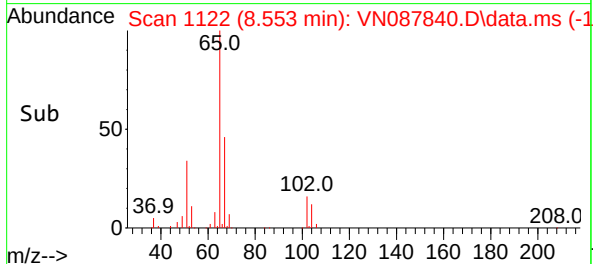
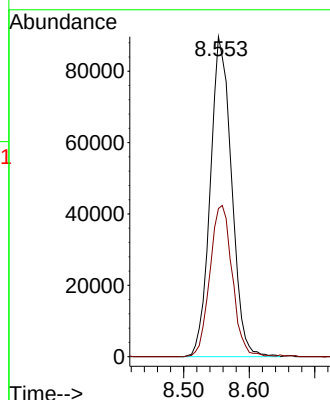
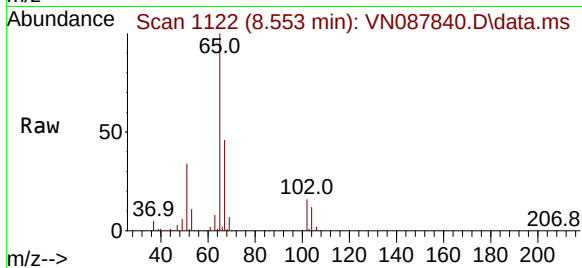
MOO-25-0258

Tgt Ion: 65 Resp: 202374

Ion Ratio Lower Upper

65 100

67 49.6 0.0 100.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.076 min Scan# 1211

Delta R.T. -0.006 min

Lab File: VN087840.D

Acq: 15 Sep 2025 16:04

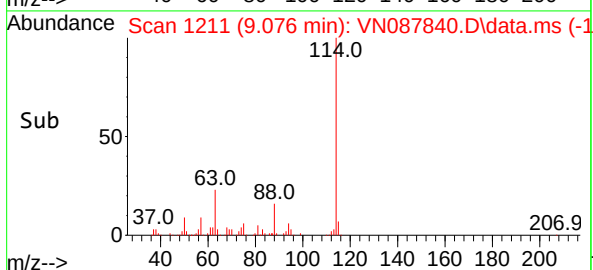
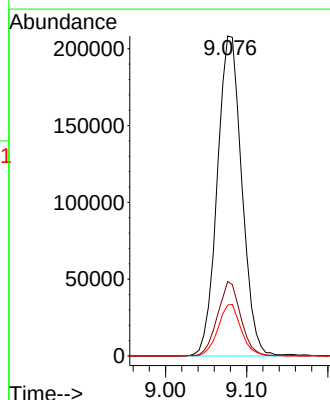
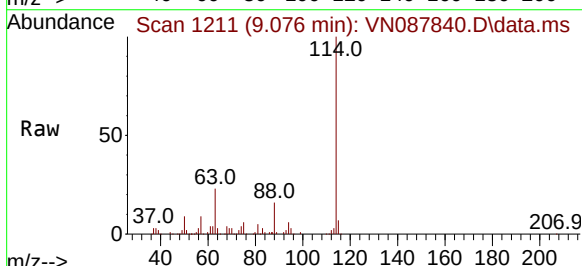
Tgt Ion: 114 Resp: 437980

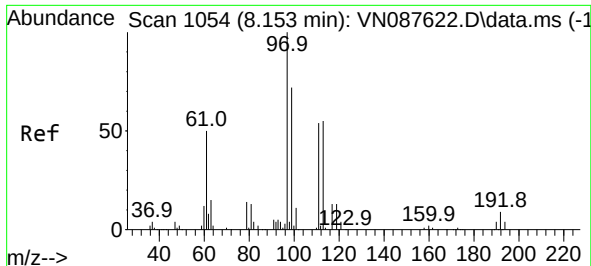
Ion Ratio Lower Upper

114 100

63 23.2 0.0 45.2

88 15.9 0.0 33.4

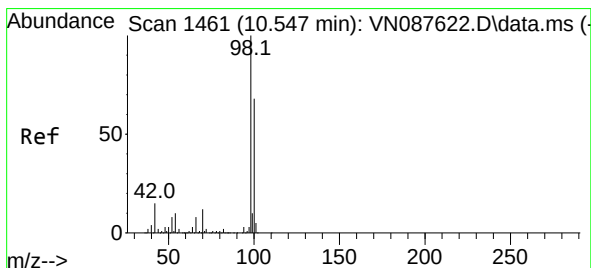
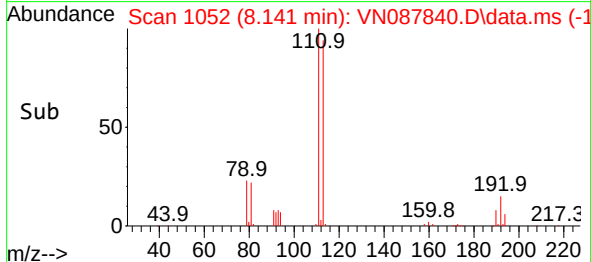
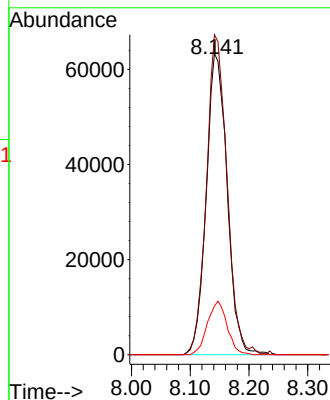
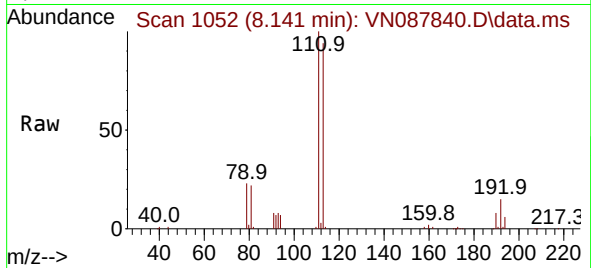




#35
Dibromofluoromethane
Concen: 49.572 ug/l
RT: 8.141 min Scan# 1052
Delta R.T. -0.012 min
Lab File: VN087840.D
Acq: 15 Sep 2025 16:04

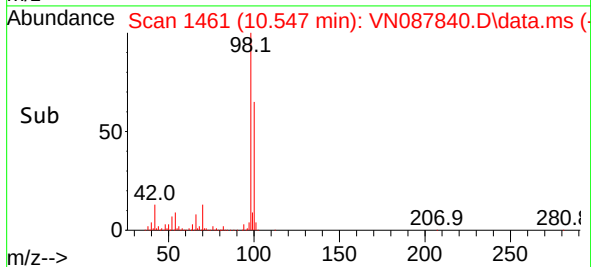
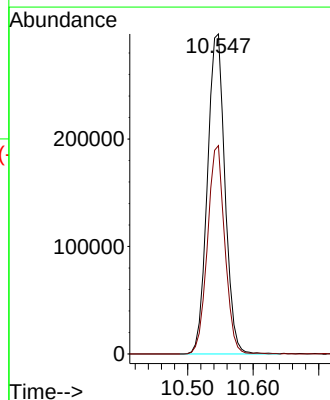
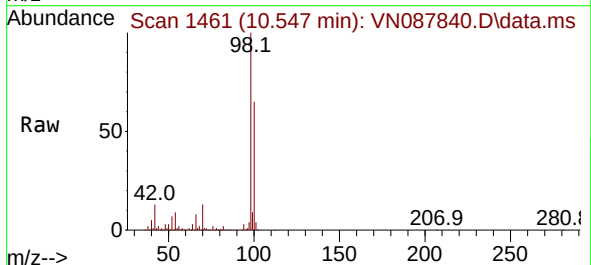
Instrument :
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ClientSampleId :
MOO-25-0258

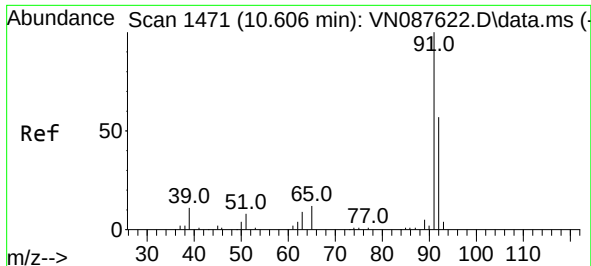
Tgt Ion:113 Resp: 156756
Ion Ratio Lower Upper
113 100
111 104.6 82.8 124.2
192 16.8 12.8 19.2



#50
Toluene-d8
Concen: 46.869 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087840.D
Acq: 15 Sep 2025 16:04

Tgt Ion: 98 Resp: 554719
Ion Ratio Lower Upper
98 100
100 64.0 52.8 79.2

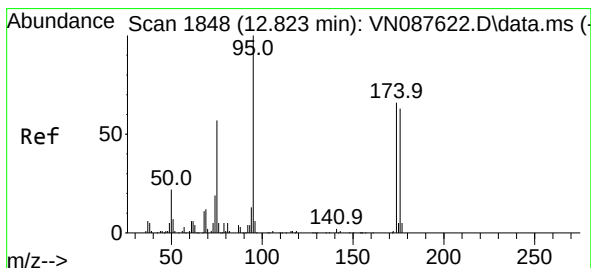
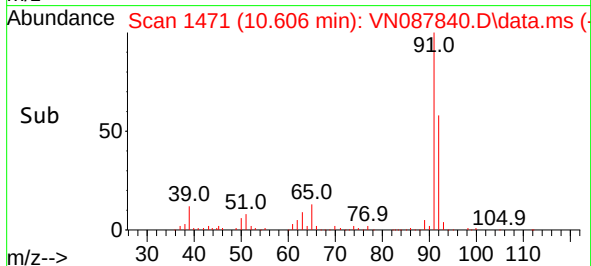
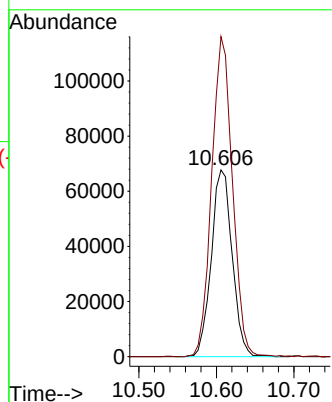
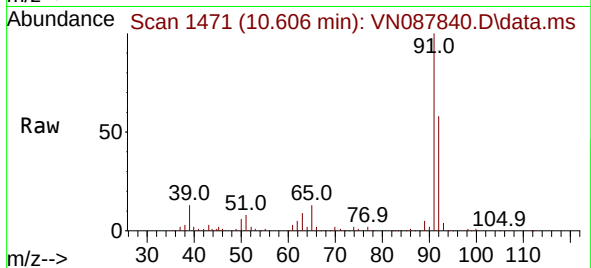




#52
Toluene
Concen: 13.742 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VN087840.D
Acq: 15 Sep 2025 16:04

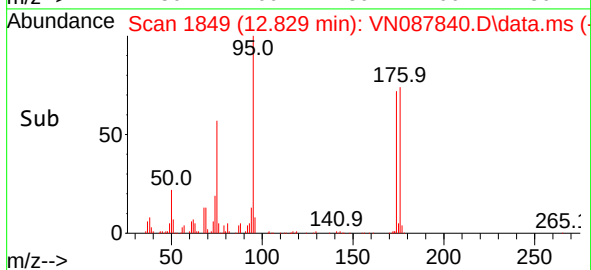
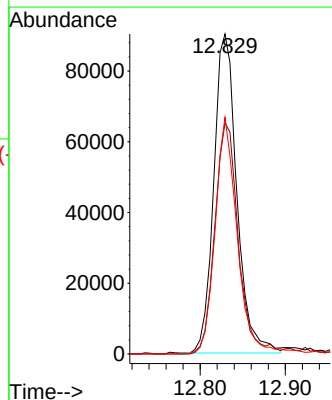
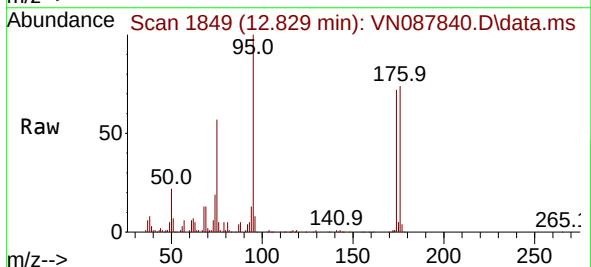
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0258

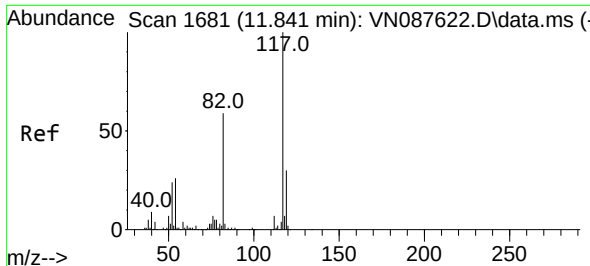
Tgt Ion: 92 Resp: 126761
Ion Ratio Lower Upper
92 100
91 170.4 140.4 210.6



#62
4-Bromofluorobenzene
Concen: 40.397 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087840.D
Acq: 15 Sep 2025 16:04

Tgt Ion: 95 Resp: 170035
Ion Ratio Lower Upper
95 100
174 73.6 0.0 138.4
176 71.6 0.0 132.6

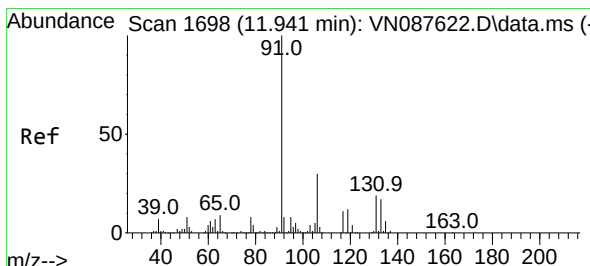
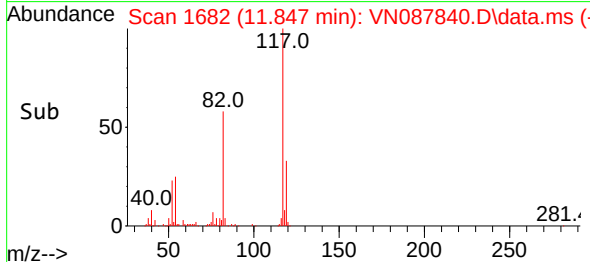
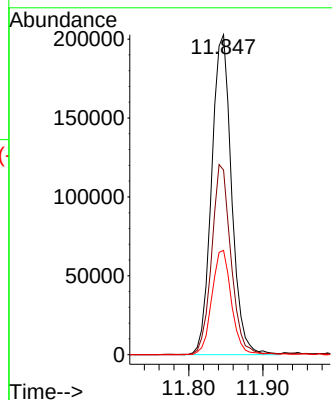
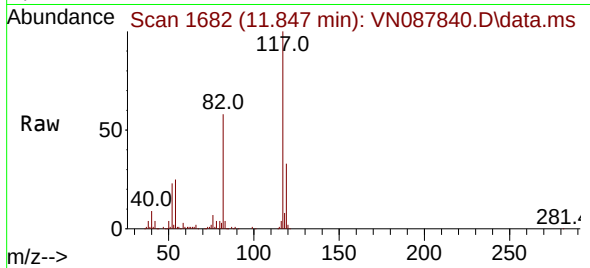




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VN087840.D
Acq: 15 Sep 2025 16:04

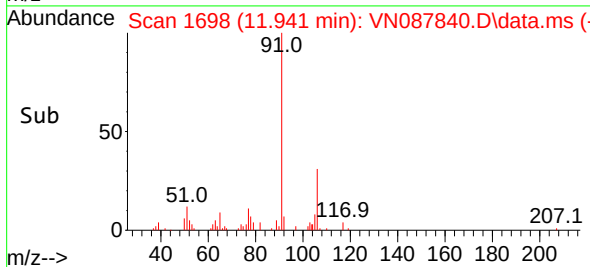
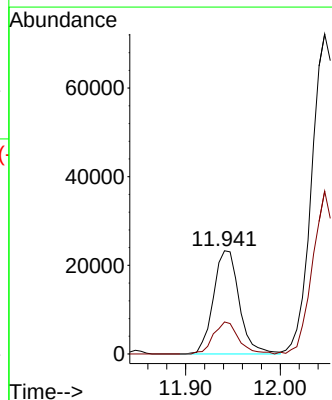
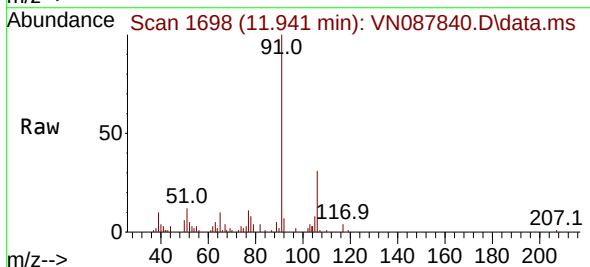
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ClientSampleId :
MOO-25-0258

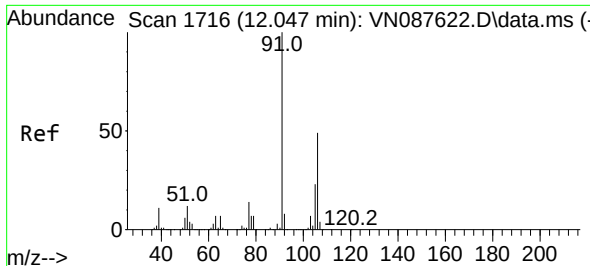
Tgt Ion:117 Resp: 379612
Ion Ratio Lower Upper
117 100
82 57.6 47.4 71.2
119 32.6 24.3 36.5



#67
Ethyl Benzene
Concen: 2.706 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN087840.D
Acq: 15 Sep 2025 16:04

Tgt Ion: 91 Resp: 44255
Ion Ratio Lower Upper
91 100
106 31.1 24.1 36.1

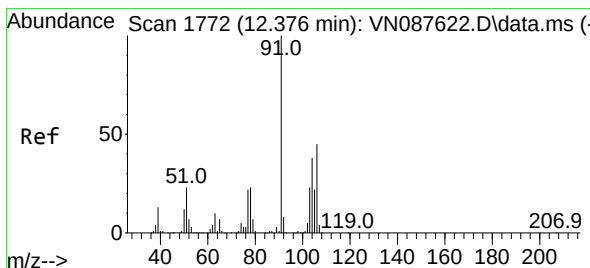
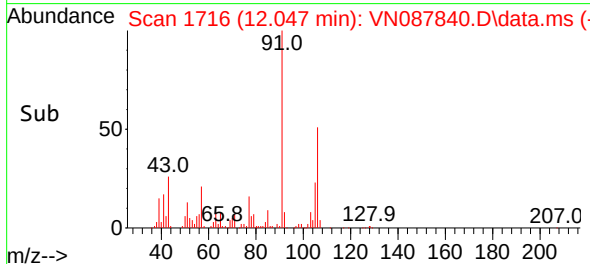
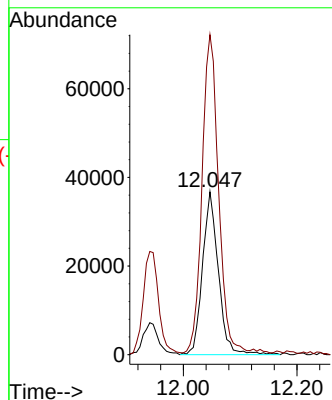
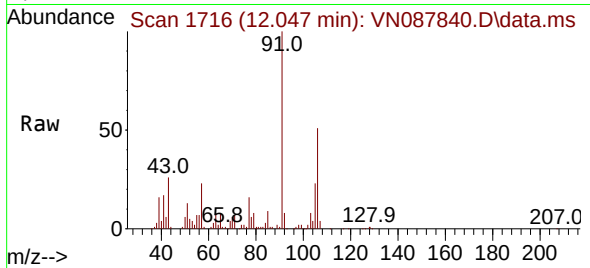




#68
m/p-Xylenes
Concen: 11.872 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VN087840.D
Acq: 15 Sep 2025 16:04

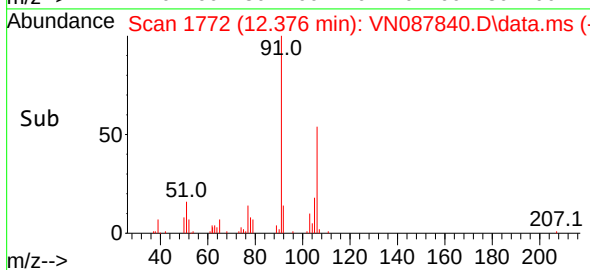
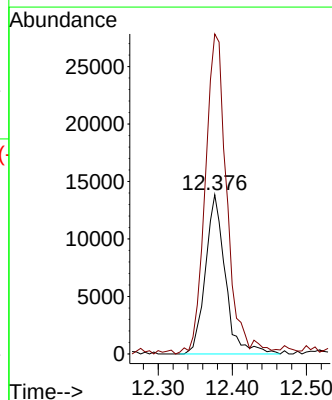
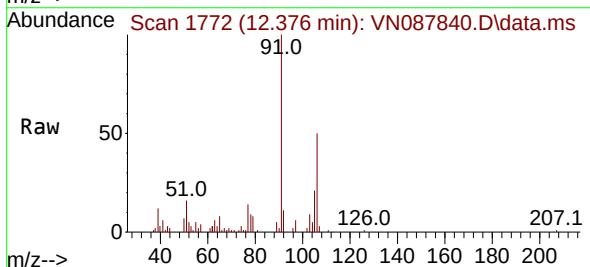
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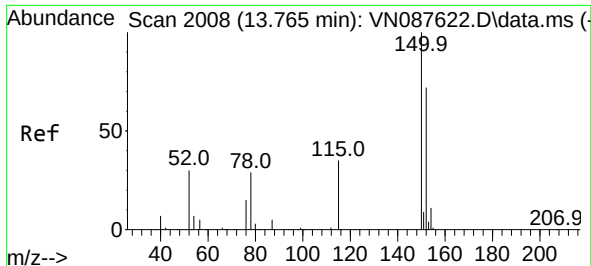
Tgt Ion:106 Resp: 71193
Ion Ratio Lower Upper
106 100
91 201.6 169.3 253.9



#69
o-Xylene
Concen: 4.391 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN087840.D
Acq: 15 Sep 2025 16:04

Tgt Ion:106 Resp: 25806
Ion Ratio Lower Upper
106 100
91 218.2 111.4 334.2

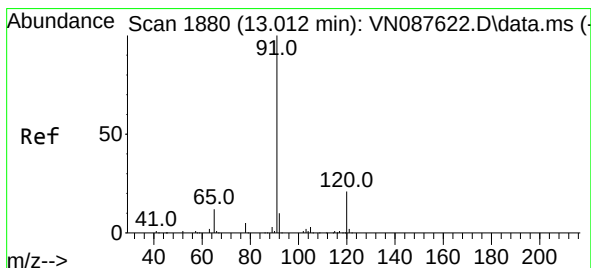
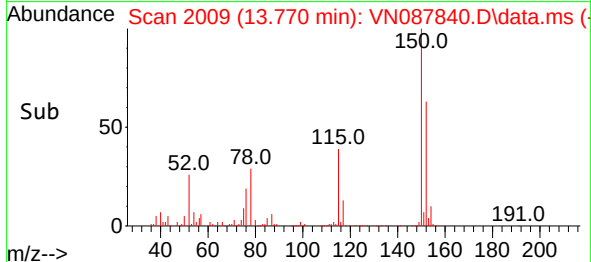
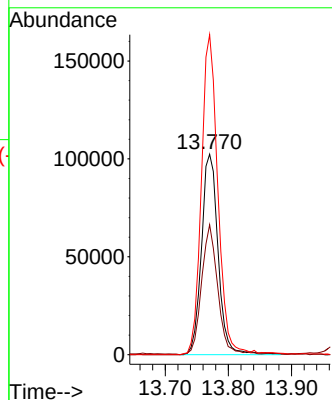
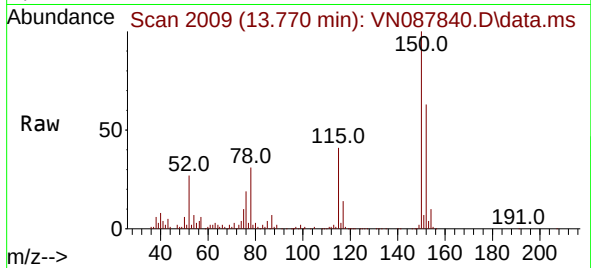




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2008
Delta R.T. 0.006 min
Lab File: VN087840.D
Acq: 15 Sep 2025 16:04

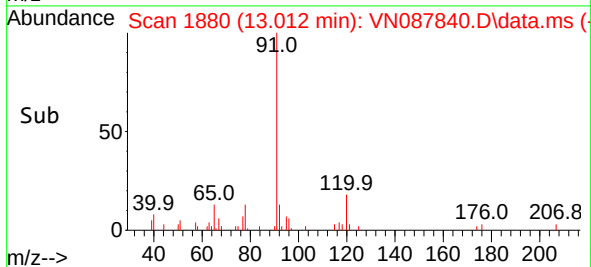
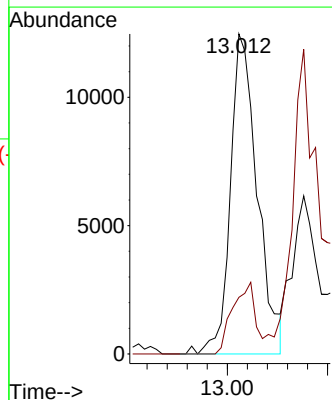
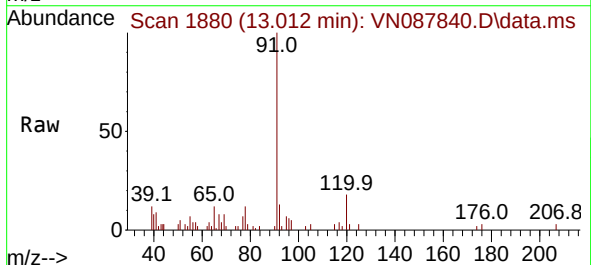
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0258

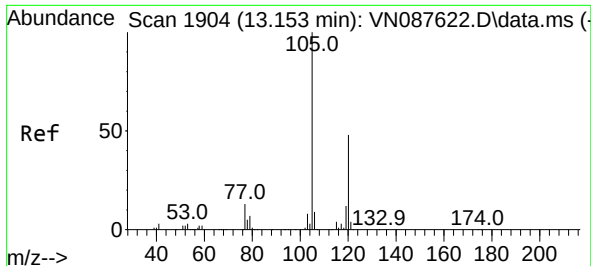
Tgt Ion:152 Resp: 187908
Ion Ratio Lower Upper
152 100
115 63.0 32.3 96.8
150 157.7 0.0 351.0



#78
n-propylbenzene
Concen: 1.241 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. -0.000 min
Lab File: VN087840.D
Acq: 15 Sep 2025 16:04

Tgt Ion: 91 Resp: 23209
Ion Ratio Lower Upper
91 100
120 18.9 10.7 32.1

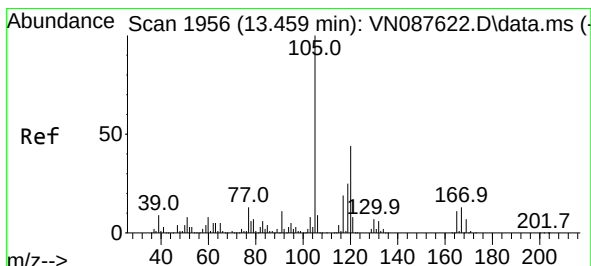
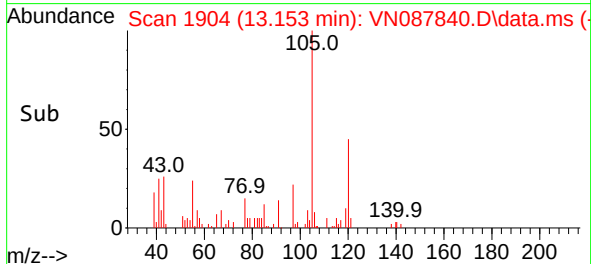
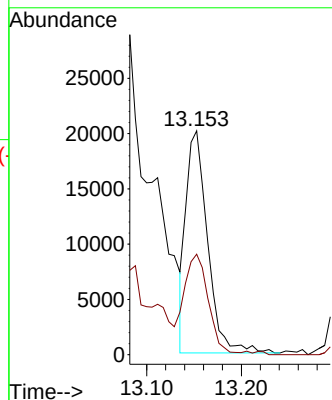
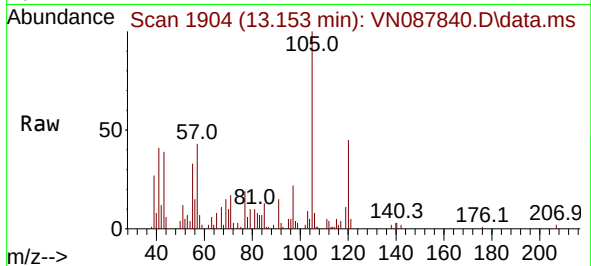




#80
1,3,5-Trimethylbenzene
Concen: 2.463 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VN087840.D
Acq: 15 Sep 2025 16:04

Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0258

Tgt Ion:105 Resp: 31720
Ion Ratio Lower Upper
105 100
120 49.2 23.2 69.6



#84
1,2,4-Trimethylbenzene
Concen: 9.370 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN087840.D
Acq: 15 Sep 2025 16:04

Tgt Ion:105 Resp: 120824
Ion Ratio Lower Upper
105 100
120 44.8 22.0 66.0

