

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062025\
 Data File : VN087140.D
 Acq On : 20 Jun 2025 15:29
 Operator : JC\MD
 Sample : Q2363-01ME
 Misc : 4.19g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GCAP1ME

Quant Time: Jun 20 23:08:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

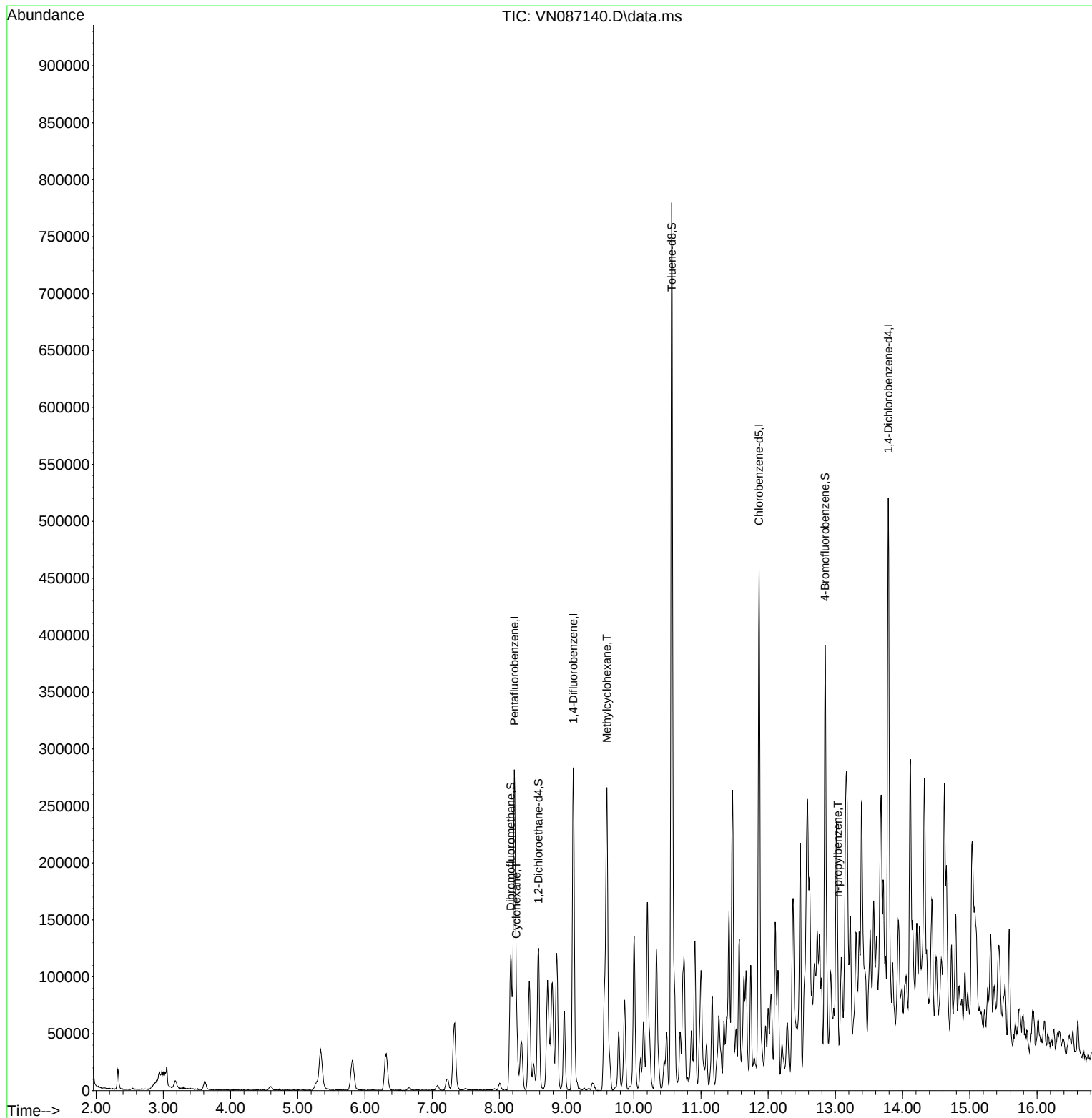
Internal Standards						
1) Pentafluorobenzene	8.224	168	160799	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	9.100	114	252217	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	281251	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	129659	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	107748	50.047	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.100%	
35) Dibromofluoromethane	8.171	113	92963	62.195	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 124.400%#	
50) Toluene-d8	10.565	98	416613	70.408	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 140.820%#	
62) 4-Bromofluorobenzene	12.847	95	130686	59.446	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 118.900%	
Target Compounds						
						Qvalue
31) Cyclohexane	8.253	56	44014	12.605	ug/l	95
39) Methylcyclohexane	9.600	83	134967	44.231	ug/l	97
78) n-propylbenzene	13.035	91	47295	4.120	ug/l	99

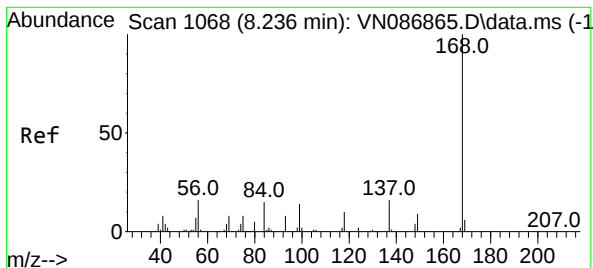
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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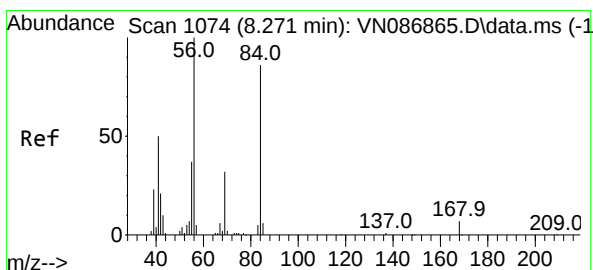
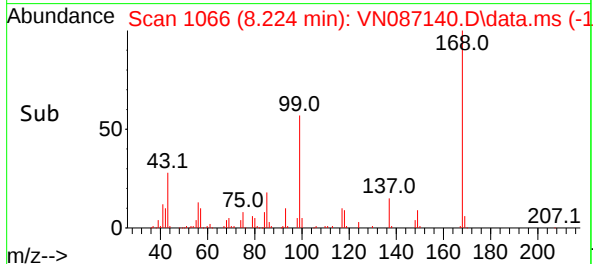
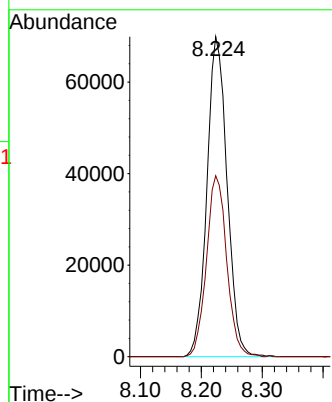
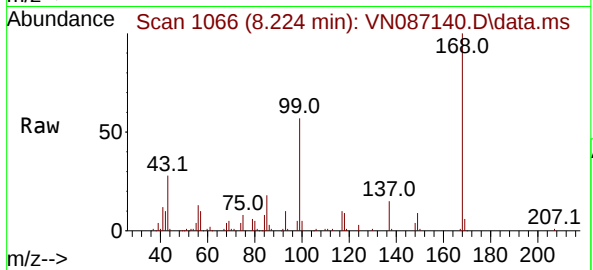




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.012 min
Lab File: VN087140.D
Acq: 20 Jun 2025 15:29

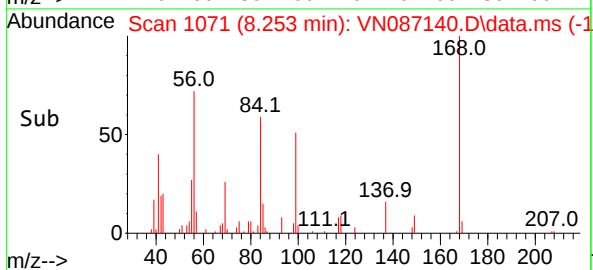
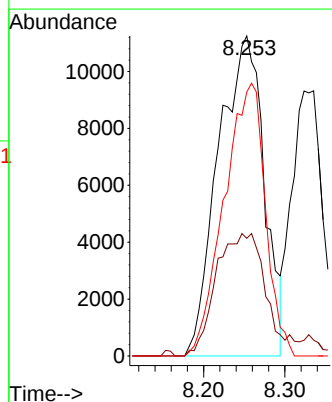
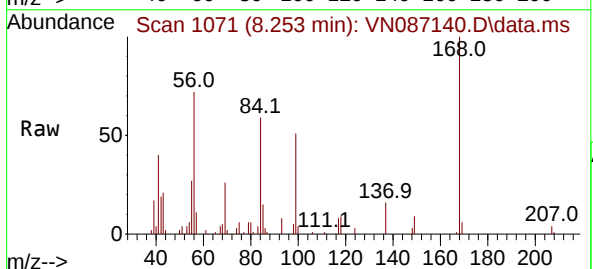
Instrument :
MSVOA_N
ClientSampleId :
GCAP1ME

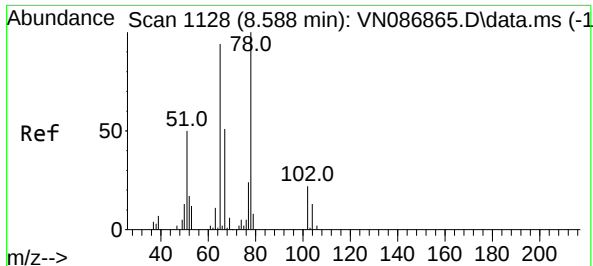
Tgt Ion:168 Resp: 160799
Ion Ratio Lower Upper
168 100
99 56.5 49.1 73.7



#31
Cyclohexane
Concen: 12.605 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. -0.018 min
Lab File: VN087140.D
Acq: 20 Jun 2025 15:29

Tgt Ion: 56 Resp: 44014
Ion Ratio Lower Upper
56 100
69 36.7 25.4 38.0
84 82.5 68.8 103.2





#33

1,2-Dichloroethane-d4

Concen: 50.047 ug/l

RT: 8.582 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VN087140.D

Acq: 20 Jun 2025 15:29

Instrument :

MSVOA_N

ClientSampleId :

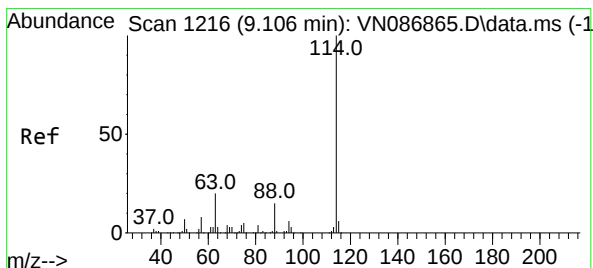
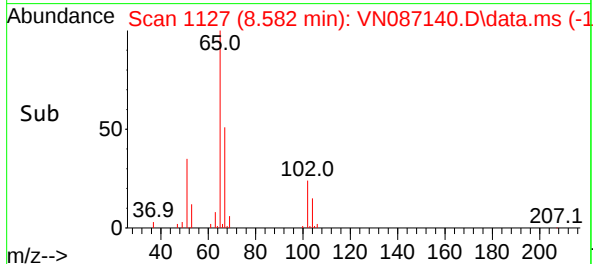
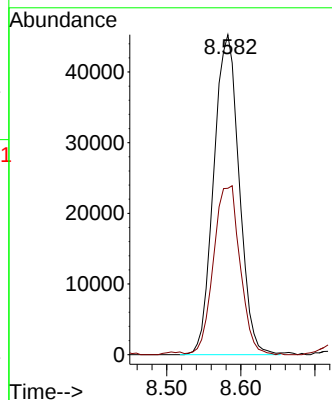
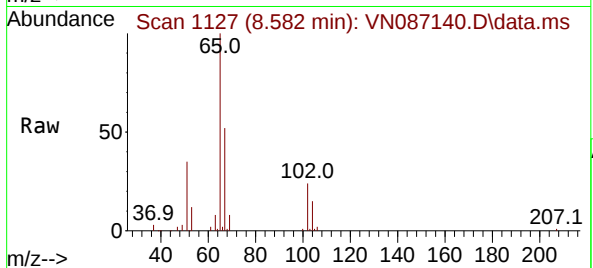
GCAP1ME

Tgt Ion: 65 Resp: 107748

Ion Ratio Lower Upper

65 100

67 55.3 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.006 min

Lab File: VN087140.D

Acq: 20 Jun 2025 15:29

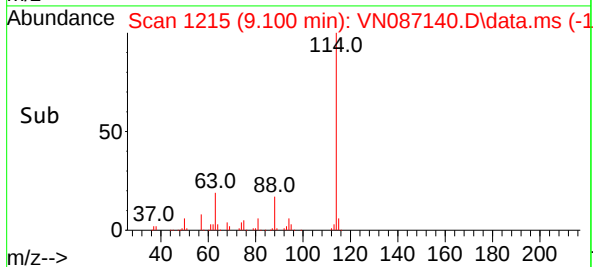
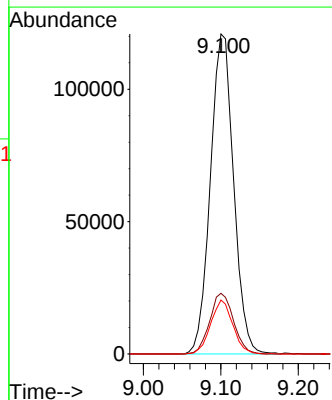
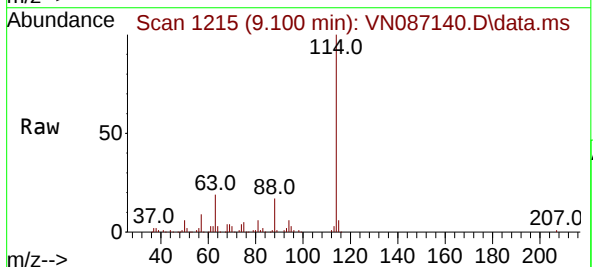
Tgt Ion: 114 Resp: 252217

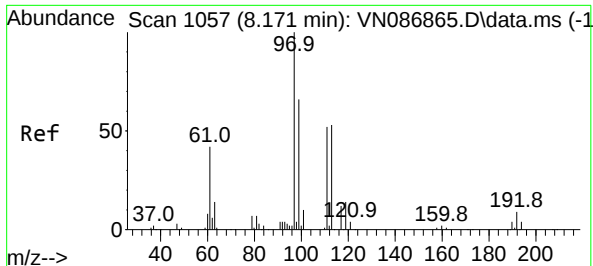
Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.6

88 16.9 0.0 30.2





#35

Dibromofluoromethane

Concen: 62.195 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN087140.D

Acq: 20 Jun 2025 15:29

Instrument :

MSVOA_N

ClientSampleId :

GCAP1ME

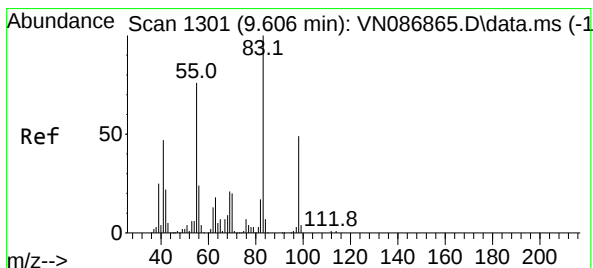
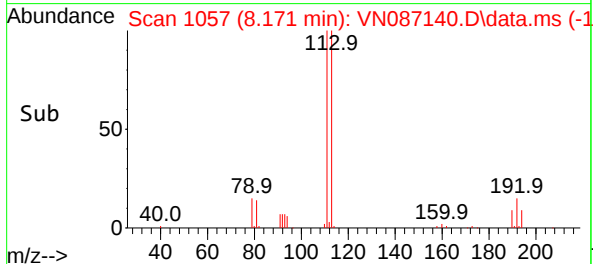
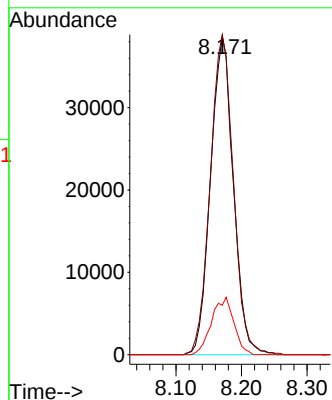
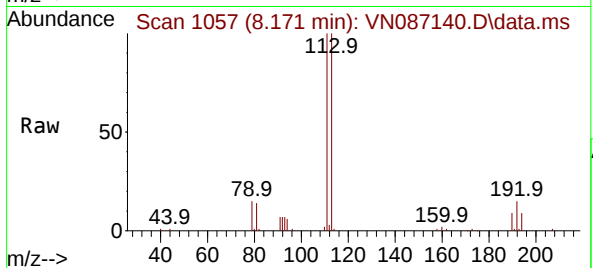
Tgt Ion:113 Resp: 92963

Ion Ratio Lower Upper

113 100

111 102.2 84.2 126.2

192 17.7 14.2 21.4



#39

Methylcyclohexane

Concen: 44.231 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. -0.006 min

Lab File: VN087140.D

Acq: 20 Jun 2025 15:29

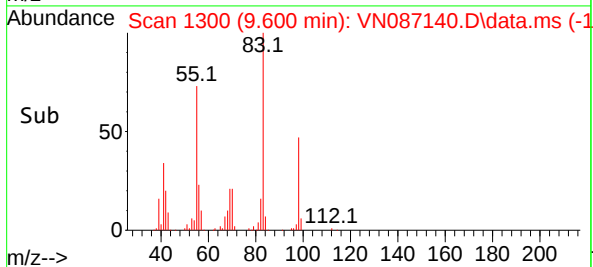
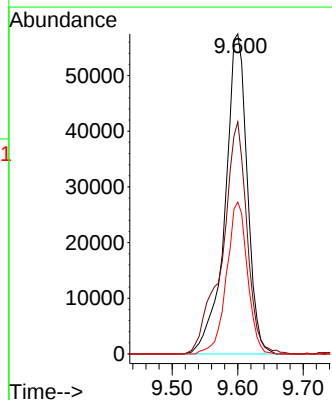
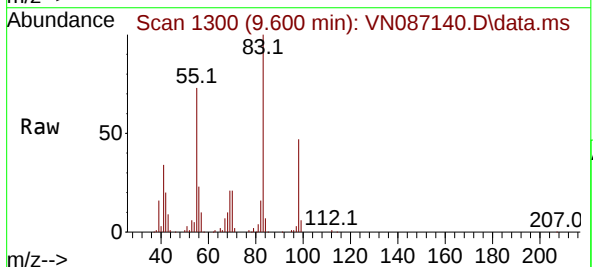
Tgt Ion: 83 Resp: 134967

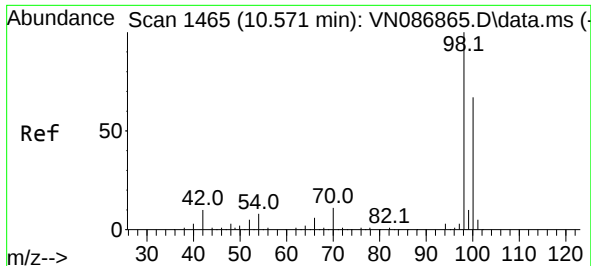
Ion Ratio Lower Upper

83 100

55 72.6 61.0 91.6

98 47.4 38.9 58.3

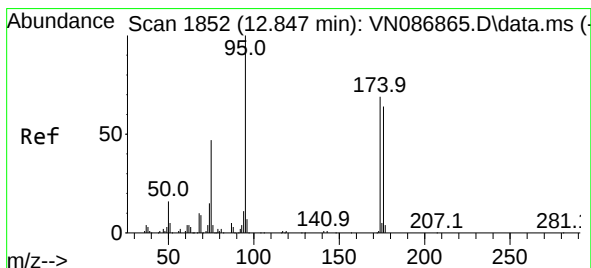
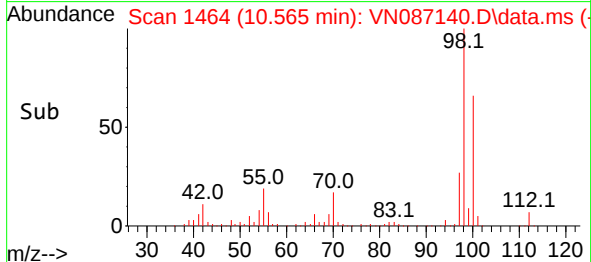
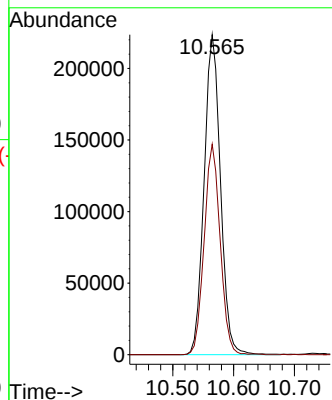
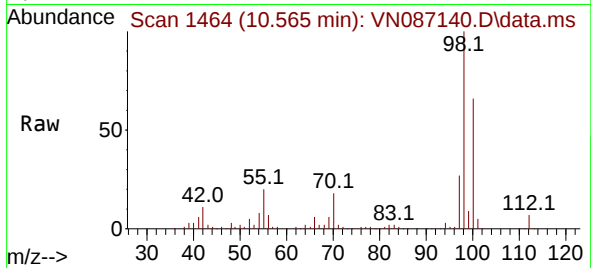




#50
Toluene-d8
Concen: 70.408 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN087140.D
Acq: 20 Jun 2025 15:29

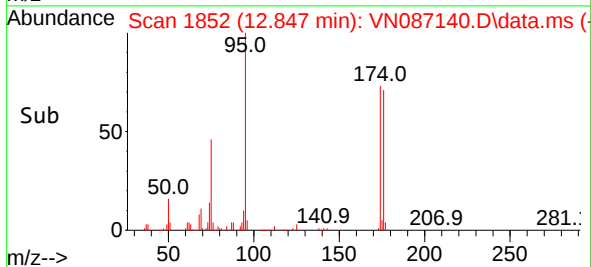
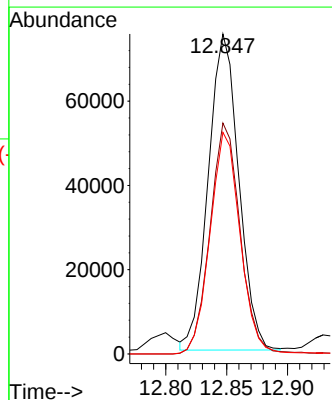
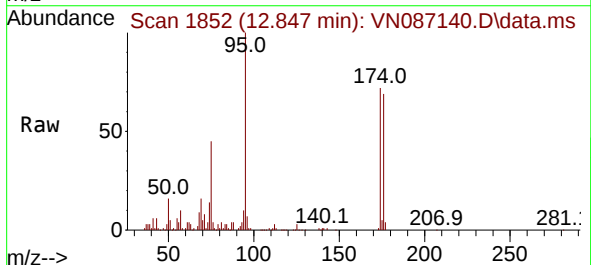
Instrument :
MSVOA_N
ClientSampleId :
GCAP1ME

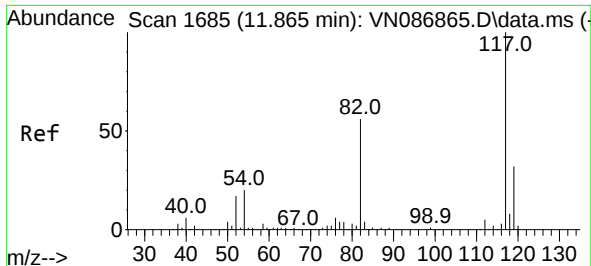
Tgt Ion: 98 Resp: 416613
Ion Ratio Lower Upper
98 100
100 64.4 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 59.446 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087140.D
Acq: 20 Jun 2025 15:29

Tgt Ion: 95 Resp: 130686
Ion Ratio Lower Upper
95 100
174 72.4 0.0 141.8
176 69.6 0.0 132.6

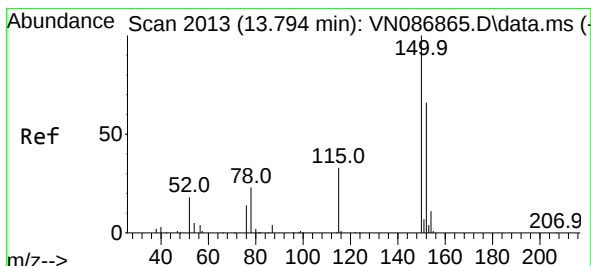
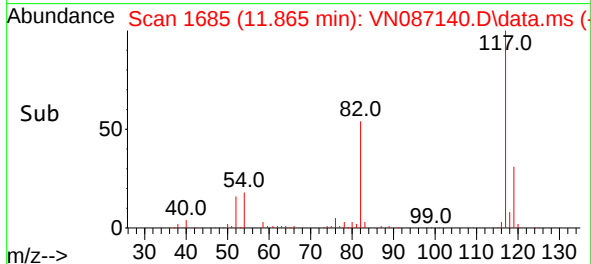
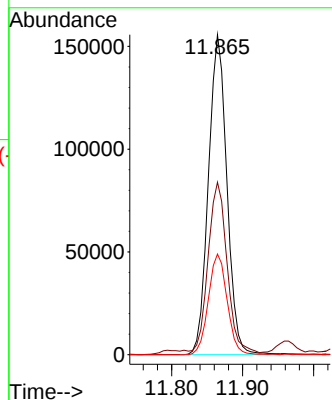
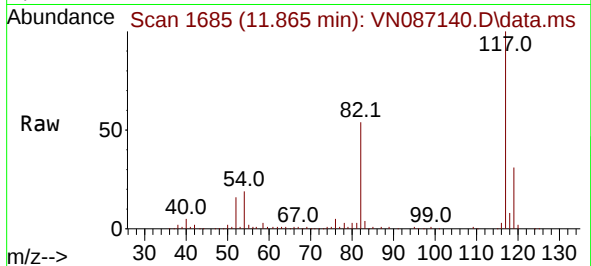




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087140.D
Acq: 20 Jun 2025 15:29

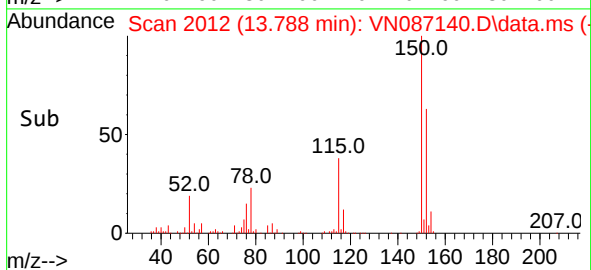
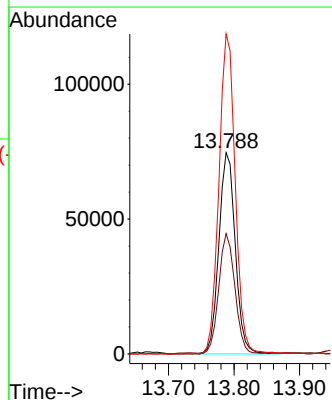
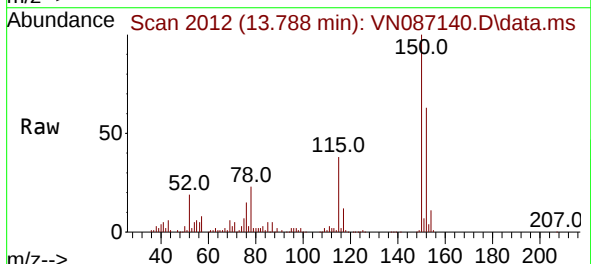
Instrument :
MSVOA_N
ClientSampleId :
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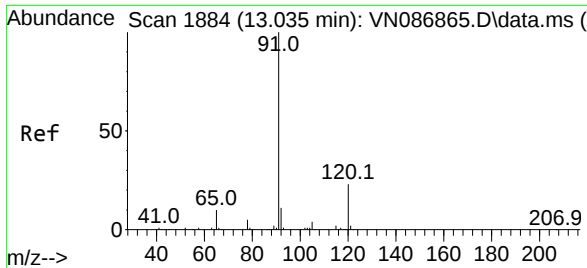
Tgt Ion:117 Resp: 281251
Ion Ratio Lower Upper
117 100
82 52.8 44.6 67.0
119 31.5 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN087140.D
Acq: 20 Jun 2025 15:29

Tgt Ion:152 Resp: 129659
Ion Ratio Lower Upper
152 100
115 58.9 30.1 90.5
150 157.7 0.0 345.0





#78
 n-propylbenzene
 Concen: 4.120 ug/l
 RT: 13.035 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VN087140.D
 Acq: 20 Jun 2025 15:29

Instrument :
 MSVOA_N
 ClientSampleId :
 GCAP1ME

Tgt Ion: 91 Resp: 47295
 Ion Ratio Lower Upper
 91 100
 120 23.1 11.4 34.2

