

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
 Data File : VN086901.D
 Acq On : 09 Jun 2025 13:42
 Operator : JC\MD
 Sample : Q2216-01DL 10X
 Misc : 1.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 1

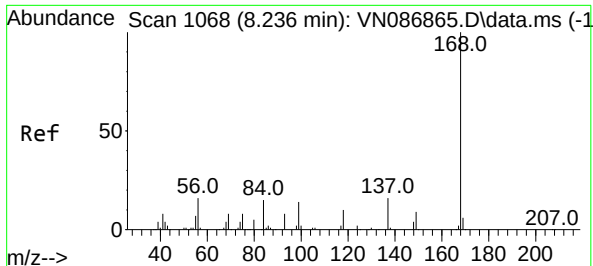
Instrument :
 MSVOA_N
 ClientSampleId :
 3898DL

Quant Time: Jun 09 16:20:53 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	8.230	168	267319	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	467197	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	402218	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	198151	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	151795	42.411	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	84.820%
35) Dibromofluoromethane	8.177	113	132157	47.732	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.460%
50) Toluene-d8	10.571	98	556163	50.742	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.480%
62) 4-Bromofluorobenzene	12.847	95	195586	48.030	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.060%
Target Compounds						
					Qvalue	
41) Methacrylonitrile	7.765	41	23584	7.996	ug/l #	39
52) Toluene	10.629	92	350671	42.533	ug/l	99
67) Ethyl Benzene	11.965	91	42778	2.800	ug/l	100
68) m/p-Xylenes	12.070	106	53722	9.184	ug/l	96
69) o-Xylene	12.400	106	12083	2.157	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	6443	0.539	ug/l	94

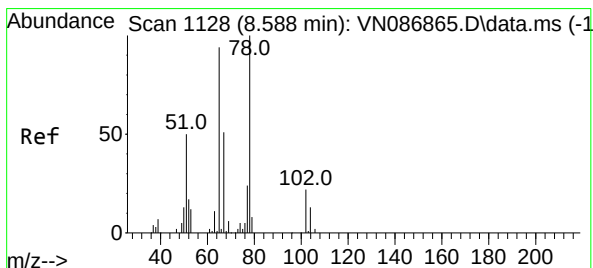
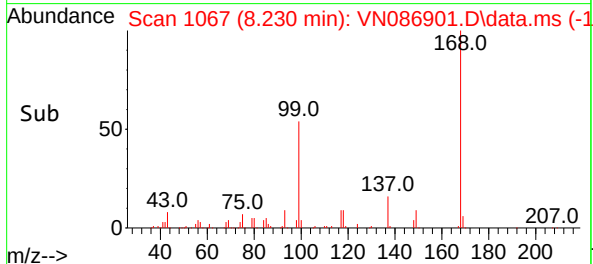
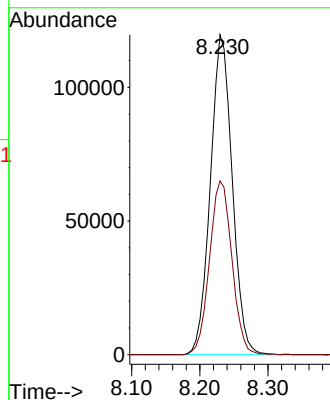
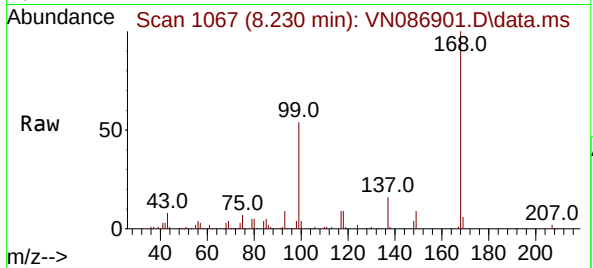
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.006 min
Lab File: VN086901.D
Acq: 09 Jun 2025 13:42

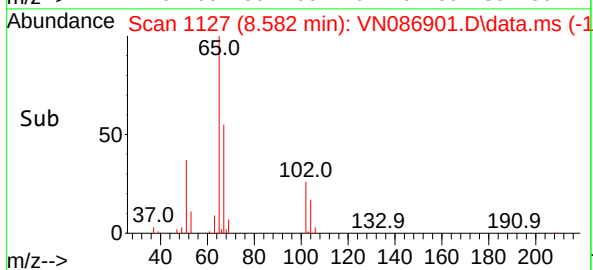
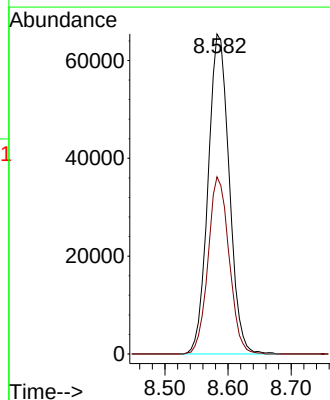
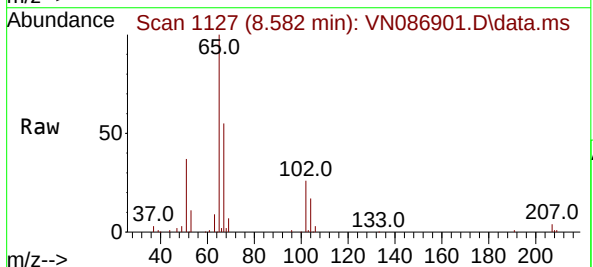
Instrument :
MSVOA_N
ClientSampleId :
3898DL

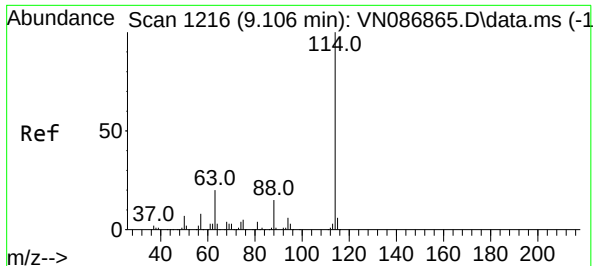
Tgt Ion:168 Resp: 267319
Ion Ratio Lower Upper
168 100
99 54.3 49.1 73.7



#33
1,2-Dichloroethane-d4
Concen: 42.411 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN086901.D
Acq: 09 Jun 2025 13:42

Tgt Ion: 65 Resp: 151795
Ion Ratio Lower Upper
65 100
67 55.1 0.0 105.6

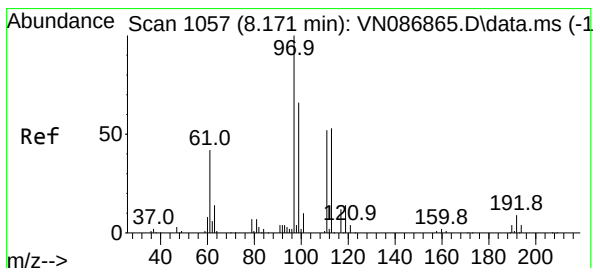
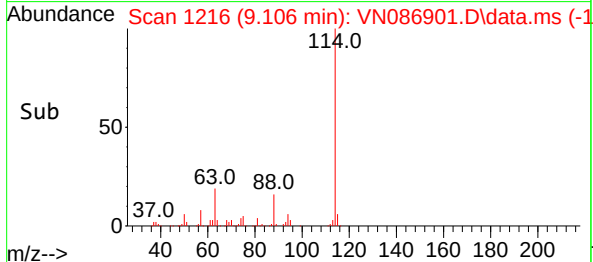
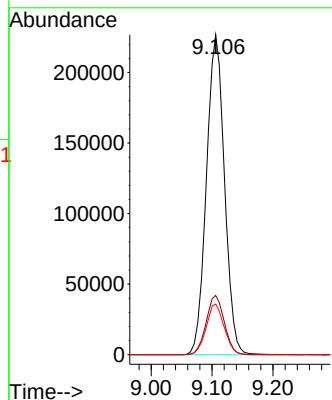
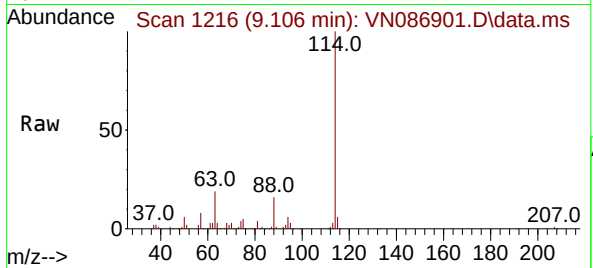




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086901.D
Acq: 09 Jun 2025 13:42

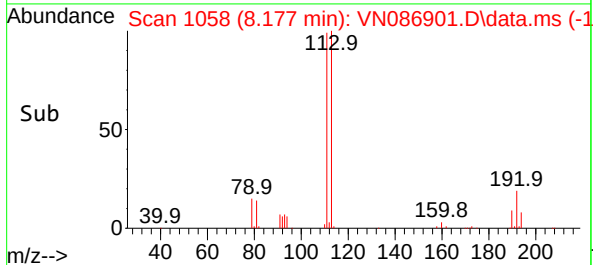
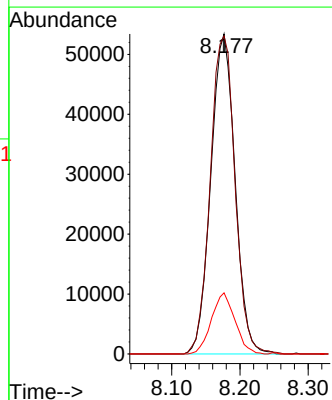
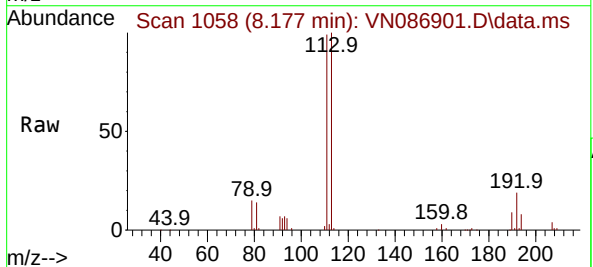
Instrument :
MSVOA_N
ClientSampleId :
3898DL

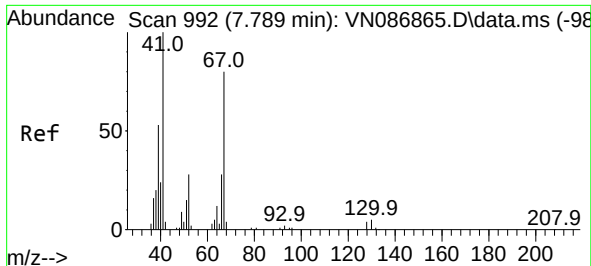
Tgt Ion:114 Resp: 467197
Ion Ratio Lower Upper
114 100
63 18.5 0.0 39.6
88 15.8 0.0 30.2



#35
Dibromofluoromethane
Concen: 47.732 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN086901.D
Acq: 09 Jun 2025 13:42

Tgt Ion:113 Resp: 132157
Ion Ratio Lower Upper
113 100
111 101.6 84.2 126.2
192 18.6 14.2 21.4

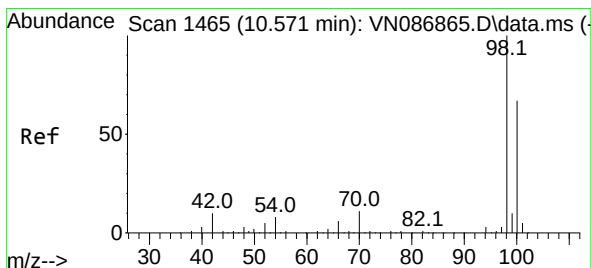
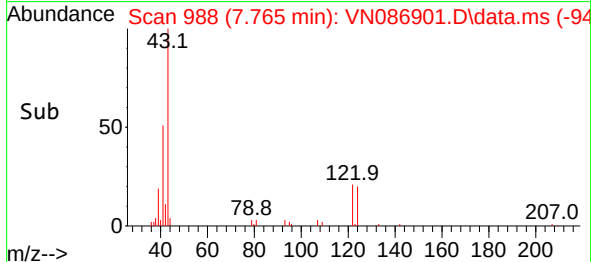
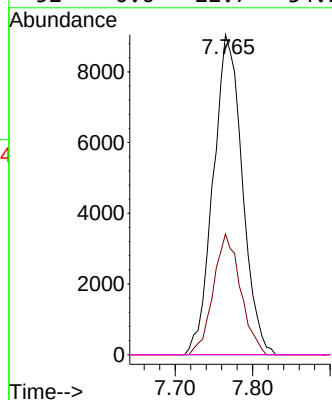
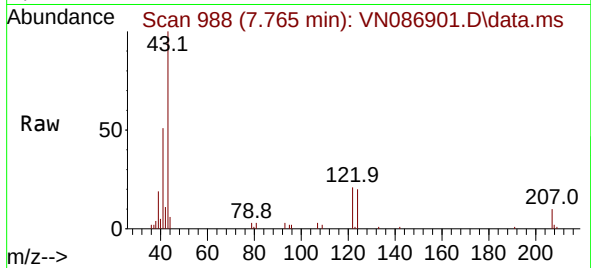




#41
Methacrylonitrile
Concen: 7.996 ug/l
RT: 7.765 min Scan# 91
Delta R.T. -0.024 min
Lab File: VN086901.D
Acq: 09 Jun 2025 13:42

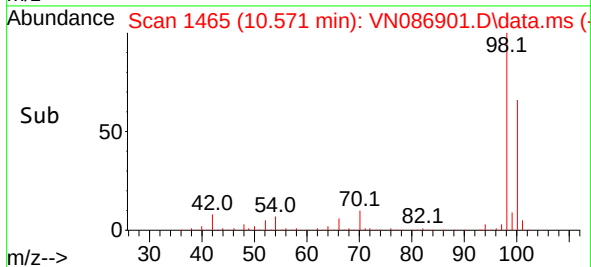
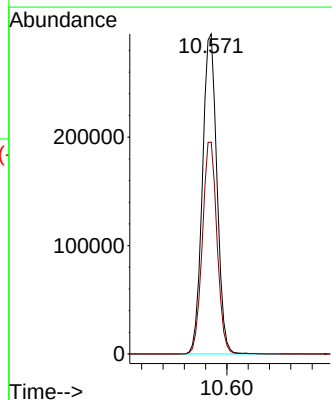
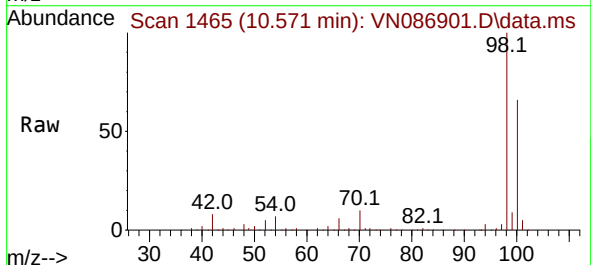
Instrument :
MSVOA_N
ClientSampleId :
3898DL

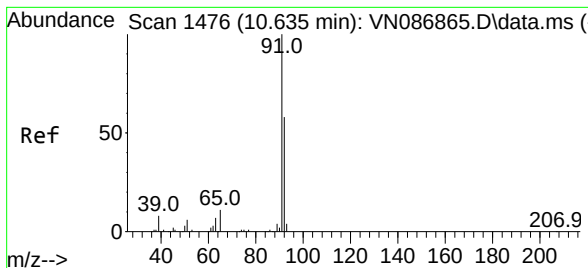
Tgt Ion: 41	Resp: 23584
Ion Ratio	Lower Upper
41 100	
39 35.4	41.2 61.8#
67 0.0	61.4 92.2#
52 0.0	22.7 34.1#



#50
Toluene-d8
Concen: 50.742 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086901.D
Acq: 09 Jun 2025 13:42

Tgt Ion: 98	Resp: 556163
Ion Ratio	Lower Upper
98 100	
100 66.8	53.4 80.0





#52

Toluene

Concen: 42.533 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. -0.006 min

Lab File: VN086901.D

Acq: 09 Jun 2025 13:42

Instrument :

MSVOA_N

ClientSampleId :

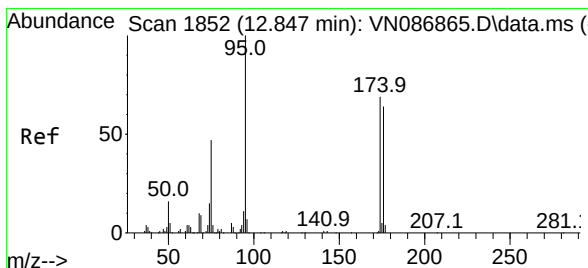
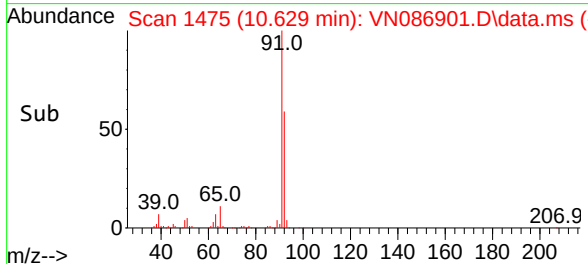
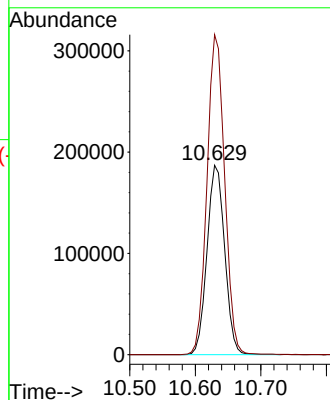
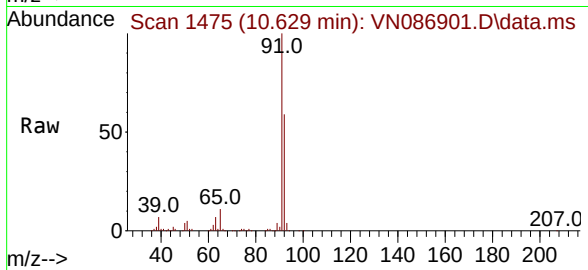
3898DL

Tgt Ion: 92 Resp: 350671

Ion Ratio Lower Upper

92 100

91 168.9 136.5 204.7



#62

4-Bromofluorobenzene

Concen: 48.030 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN086901.D

Acq: 09 Jun 2025 13:42

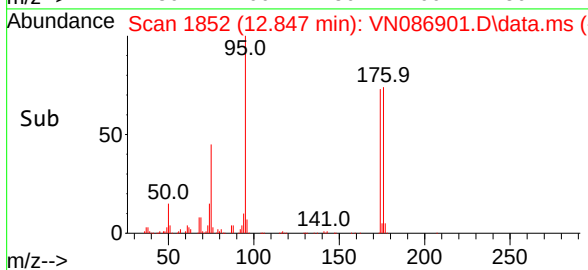
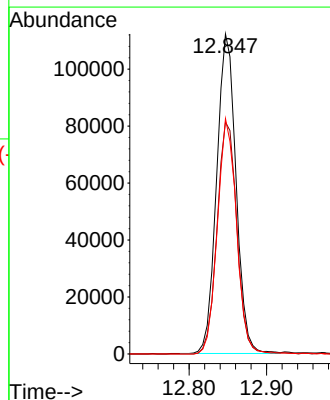
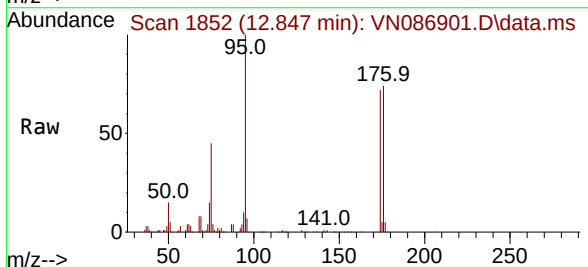
Tgt Ion: 95 Resp: 195586

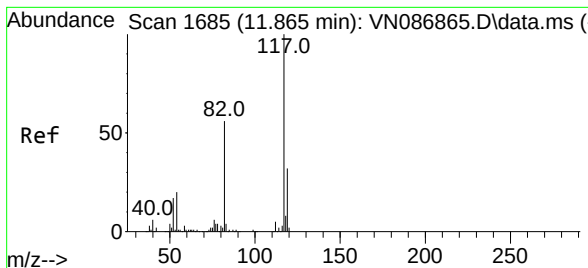
Ion Ratio Lower Upper

95 100

174 74.3 0.0 141.8

176 72.7 0.0 132.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086901.D

Acq: 09 Jun 2025 13:42

Instrument :

MSVOA_N

ClientSampleId :

3898DL

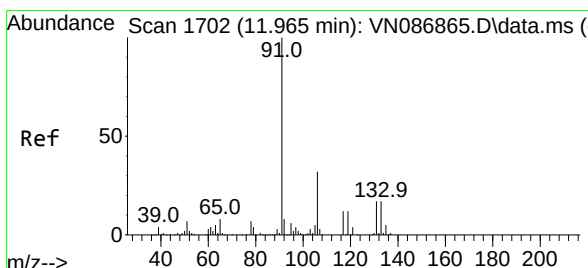
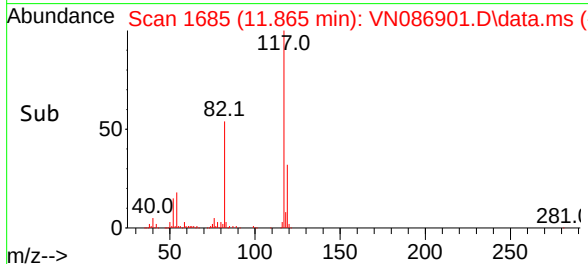
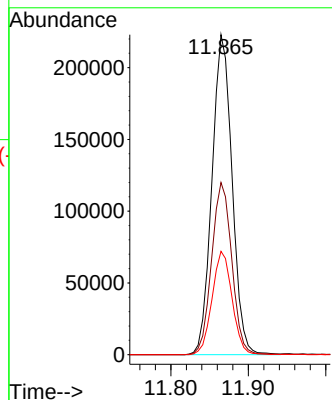
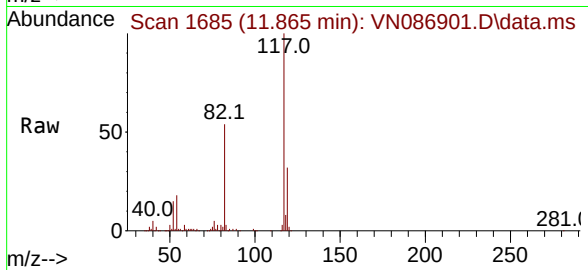
Tgt Ion:117 Resp: 402218

Ion Ratio Lower Upper

117 100

82 53.8 44.6 67.0

119 32.3 25.5 38.3



#67

Ethyl Benzene

Concen: 2.800 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. -0.000 min

Lab File: VN086901.D

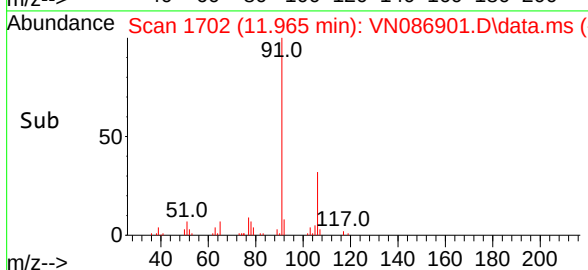
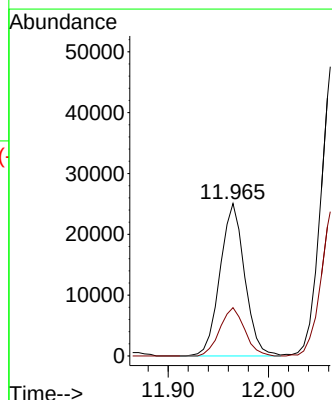
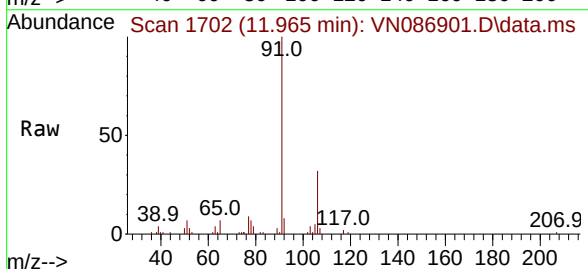
Acq: 09 Jun 2025 13:42

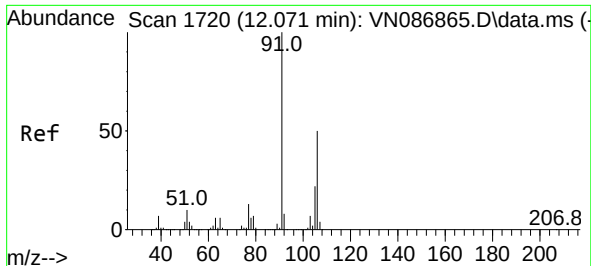
Tgt Ion: 91 Resp: 42778

Ion Ratio Lower Upper

91 100

106 31.7 25.4 38.2

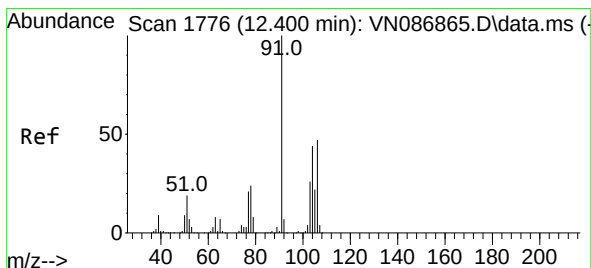
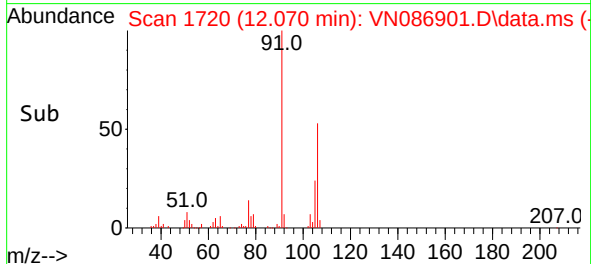
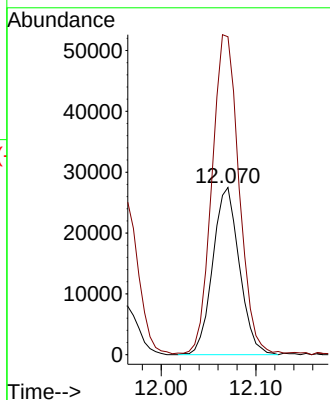
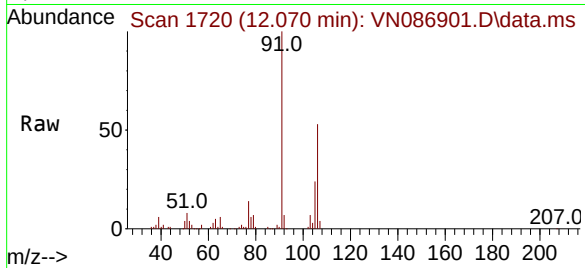




#68
m/p-Xylenes
Concen: 9.184 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086901.D
Acq: 09 Jun 2025 13:42

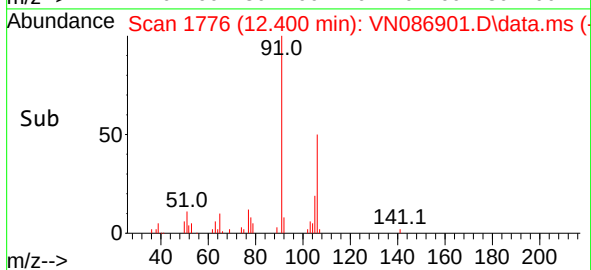
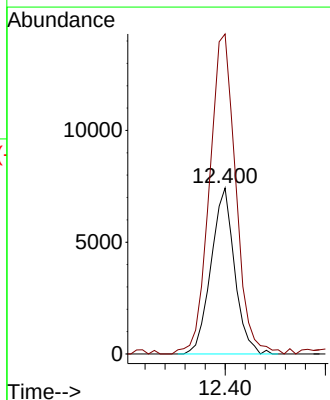
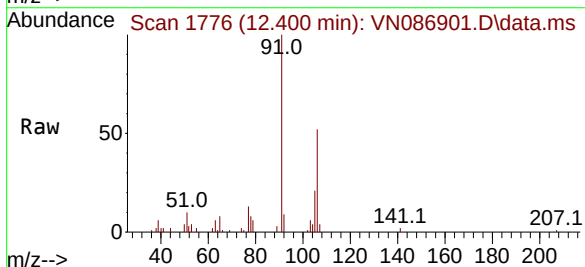
Instrument :
MSVOA_N
ClientSampleId :
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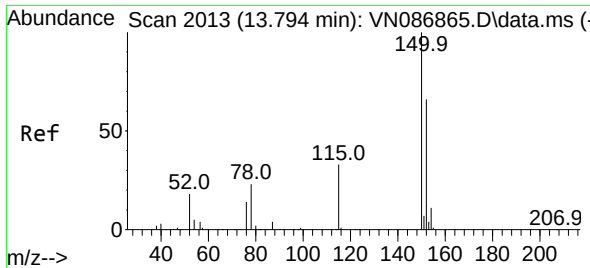
Tgt Ion:106 Resp: 53722
Ion Ratio Lower Upper
106 100
91 193.1 159.4 239.0



#69
o-Xylene
Concen: 2.157 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN086901.D
Acq: 09 Jun 2025 13:42

Tgt Ion:106 Resp: 12083
Ion Ratio Lower Upper
106 100
91 215.4 106.1 318.1

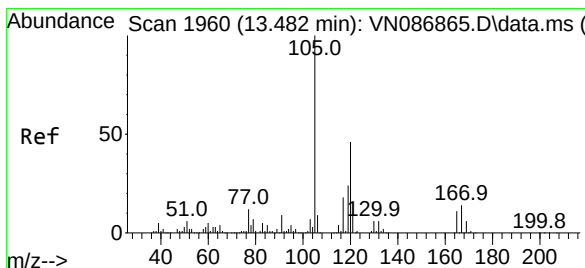
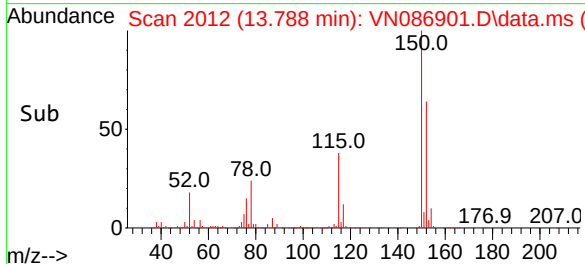
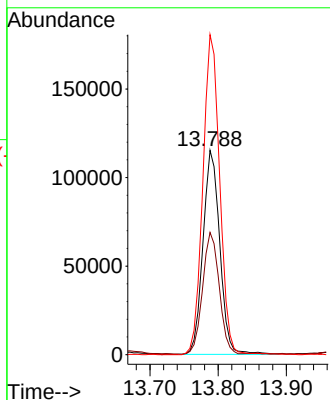
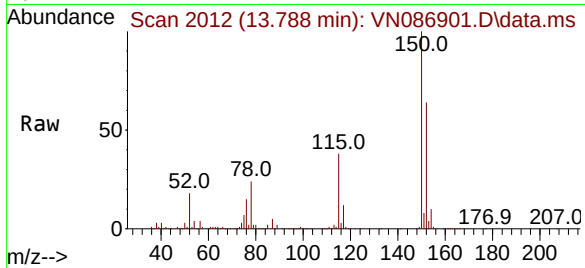




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN086901.D
 Acq: 09 Jun 2025 13:42

Instrument :
 MSVOA_N
 ClientSampleId :
 3898DL

Tgt Ion:152 Resp: 198151
 Ion Ratio Lower Upper
 152 100
 115 58.7 30.1 90.5
 150 157.1 0.0 345.0



#84
 1,2,4-Trimethylbenzene
 Concen: 0.539 ug/l
 RT: 13.476 min Scan# 1959
 Delta R.T. -0.006 min
 Lab File: VN086901.D
 Acq: 09 Jun 2025 13:42

Tgt Ion:105 Resp: 6443
 Ion Ratio Lower Upper
 105 100
 120 42.7 23.2 69.6

