

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
 Data File : VN086560.D
 Acq On : 09 May 2025 14:19
 Operator : JC\MD
 Sample : Q1980-05
 Misc : 1.19g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 3837

Quant Time: May 09 23:28:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

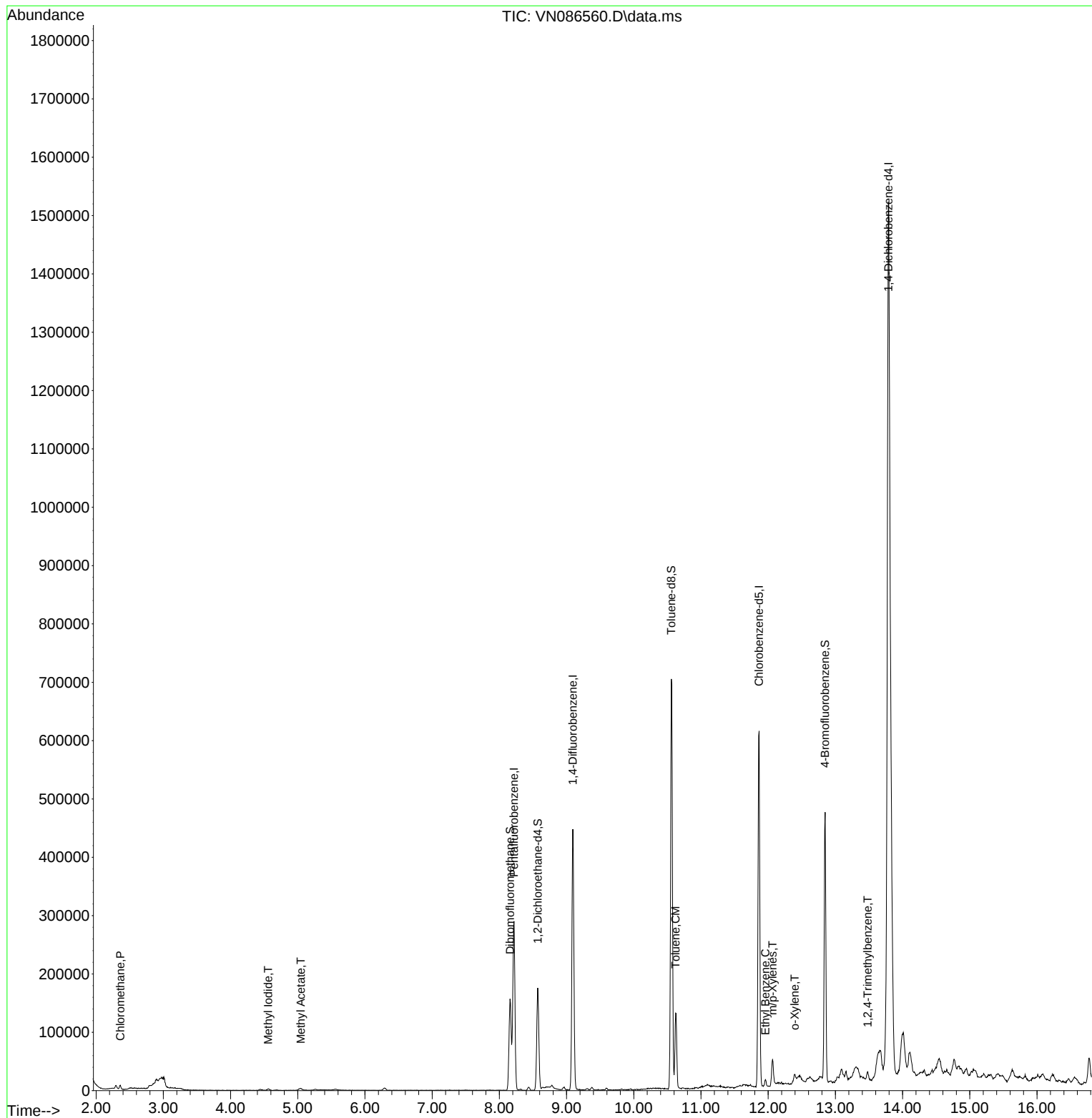
Internal Standards						
1) Pentafluorobenzene	8.218	168	217275	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	404867	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	373550	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	167962	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	140574	44.617	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	89.240%
35) Dibromofluoromethane	8.159	113	116463	61.980	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	123.960%
50) Toluene-d8	10.559	98	509502	50.735	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.460%
62) 4-Bromofluorobenzene	12.847	95	171550	46.834	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.660%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	6476	1.730	ug/l	99
10) Methyl Iodide	4.559	142	4422	1.680	ug/l	96
18) Methyl Acetate	5.047	43	8371	2.213	ug/l	93
52) Toluene	10.624	92	59105	7.877	ug/l	99
67) Ethyl Benzene	11.959	91	9287	0.617	ug/l	100
68) m/p-Xylenes	12.065	106	14680	2.604	ug/l	90
69) o-Xylene	12.394	106	4175	0.749	ug/l	91
84) 1,2,4-Trimethylbenzene	13.482	105	6828	0.596	ug/l	73

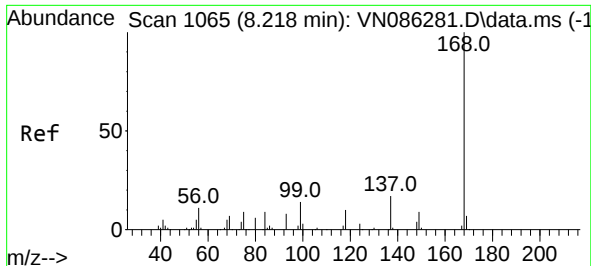
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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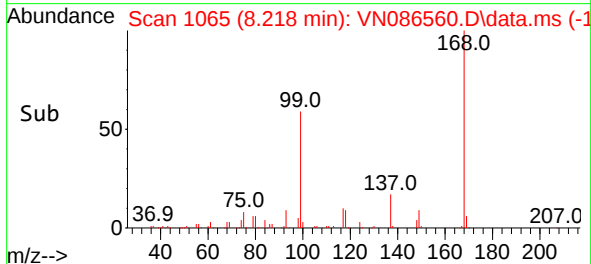
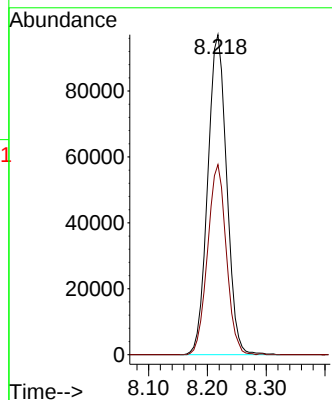
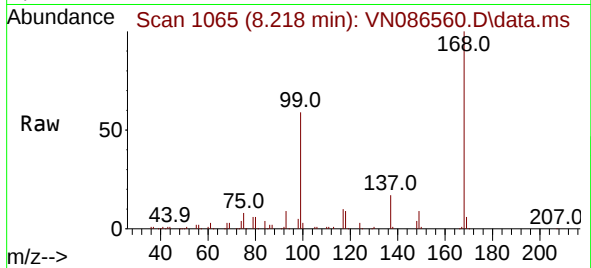




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN086560.D
Acq: 09 May 2025 14:19

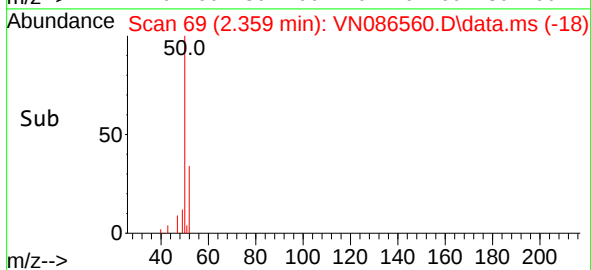
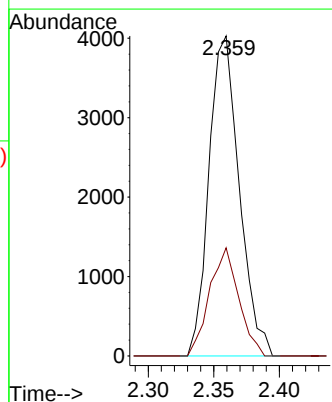
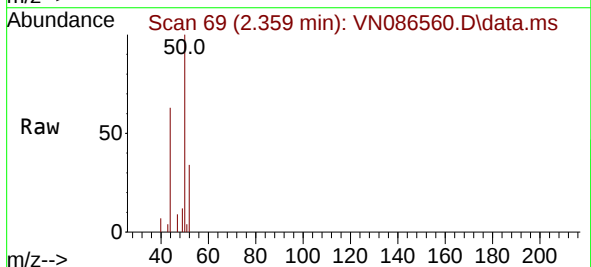
Instrument :
MSVOA_N
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3837

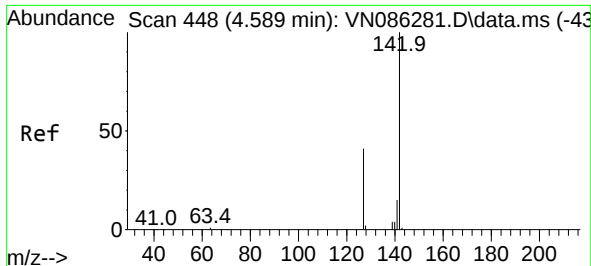
Tgt Ion:168 Resp: 217275
Ion Ratio Lower Upper
168 100
99 59.4 52.5 78.7



#3
Chloromethane
Concen: 1.730 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN086560.D
Acq: 09 May 2025 14:19

Tgt Ion: 50 Resp: 6476
Ion Ratio Lower Upper
50 100
52 33.8 26.5 39.7

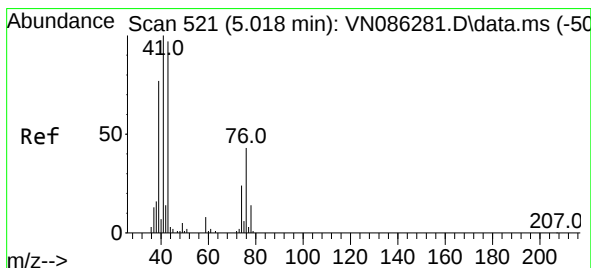
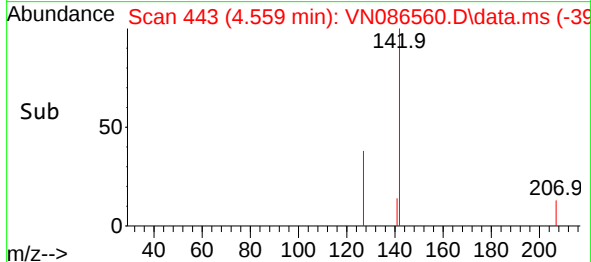
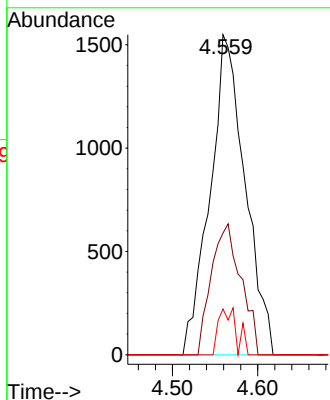
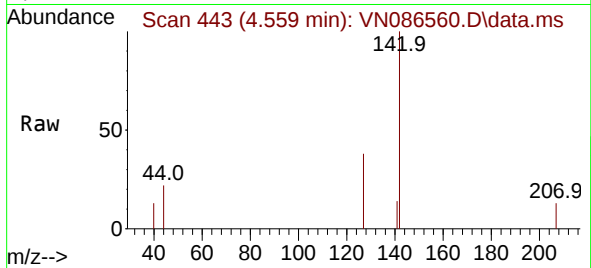




#10
Methyl Iodide
Concen: 1.680 ug/l
RT: 4.559 min Scan# 448
Delta R.T. -0.029 min
Lab File: VN086560.D
Acq: 09 May 2025 14:19

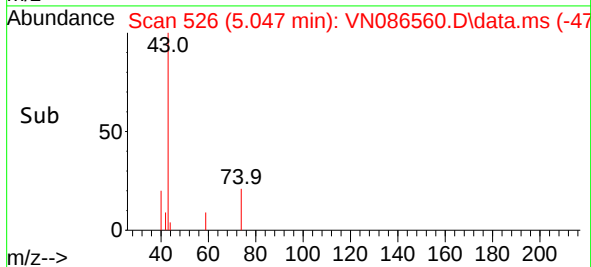
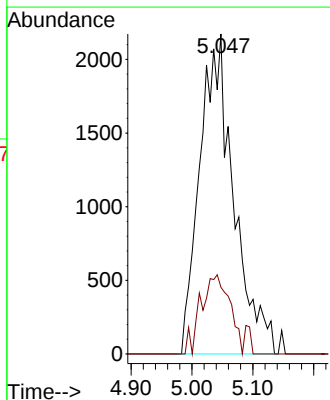
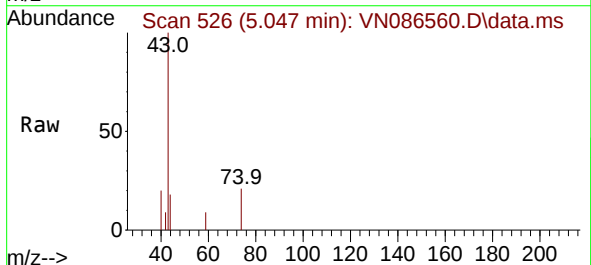
Instrument :
MSVOA_N
ClientSampleId :
3837

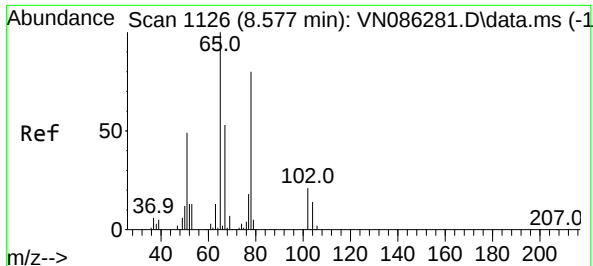
Tgt Ion:142 Resp: 4422
Ion Ratio Lower Upper
142 100
127 38.0 32.7 49.1
141 14.3 11.7 17.5



#18
Methyl Acetate
Concen: 2.213 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.029 min
Lab File: VN086560.D
Acq: 09 May 2025 14:19

Tgt Ion: 43 Resp: 8371
Ion Ratio Lower Upper
43 100
74 21.1 19.8 29.6





#33

1,2-Dichloroethane-d4

Concen: 44.617 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. -0.006 min

Lab File: VN086560.D

Acq: 09 May 2025 14:19

Instrument :

MSVOA_N

ClientSampleId :

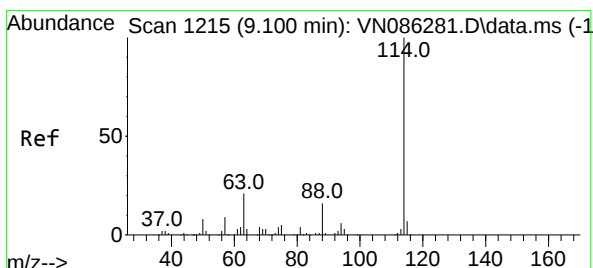
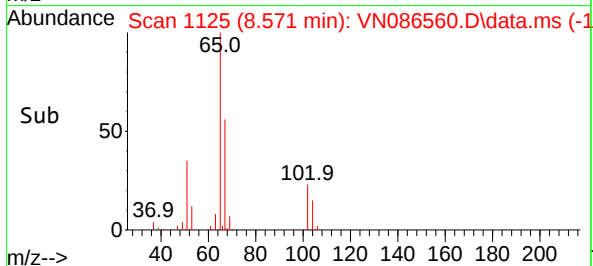
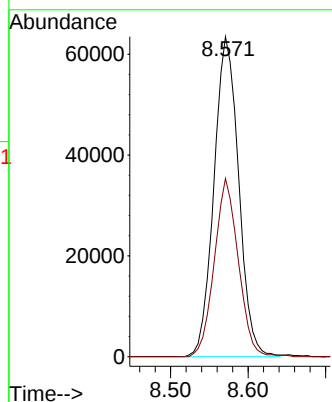
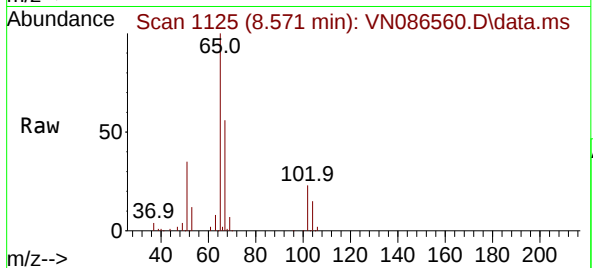
3837

Tgt Ion: 65 Resp: 140574

Ion Ratio Lower Upper

65 100

67 54.1 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. -0.006 min

Lab File: VN086560.D

Acq: 09 May 2025 14:19

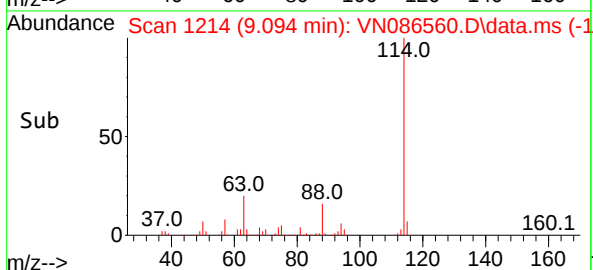
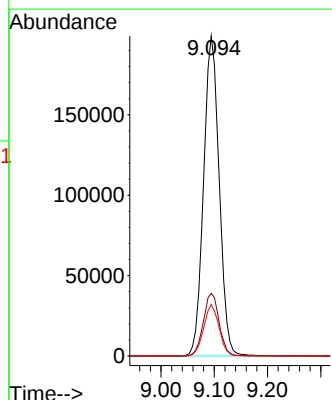
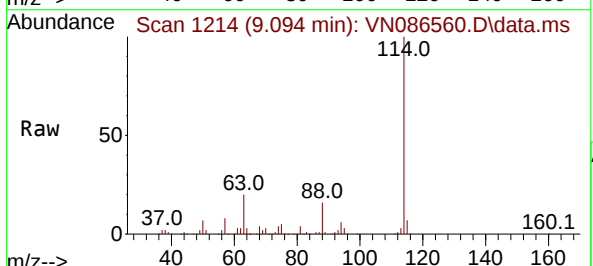
Tgt Ion: 114 Resp: 404867

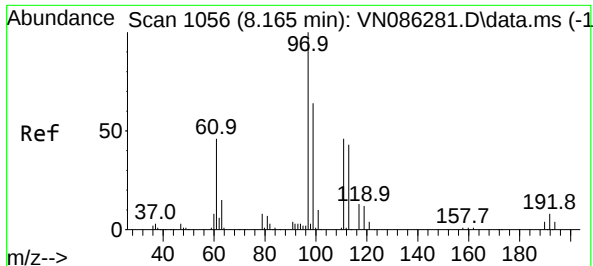
Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.6

88 16.0 0.0 31.8





#35

Dibromofluoromethane

Concen: 61.980 ug/l

RT: 8.159 min Scan# 110

Delta R.T. -0.006 min

Lab File: VN086560.D

Acq: 09 May 2025 14:19

Instrument :

MSVOA_N

ClientSampleId :

3837

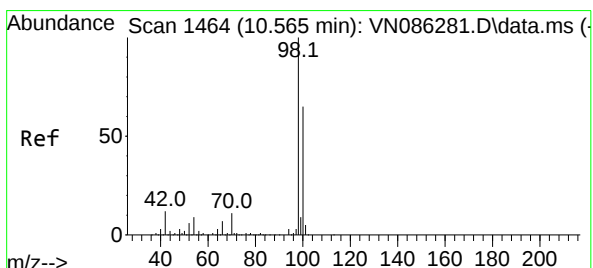
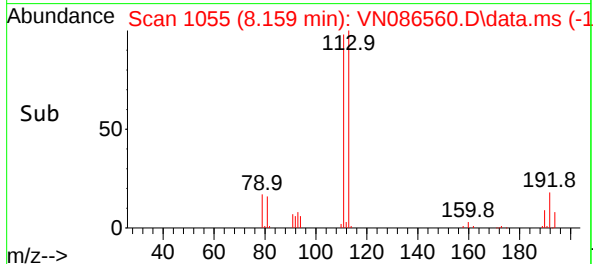
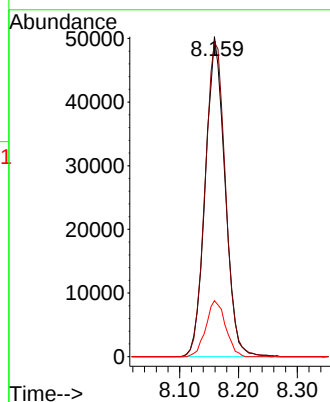
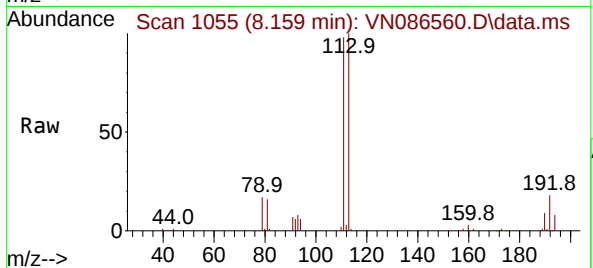
Tgt Ion:113 Resp: 116463

Ion Ratio Lower Upper

113 100

111 102.0 83.4 125.0

192 17.5 13.7 20.5



#50

Toluene-d8

Concen: 50.735 ug/l

RT: 10.559 min Scan# 1463

Delta R.T. -0.006 min

Lab File: VN086560.D

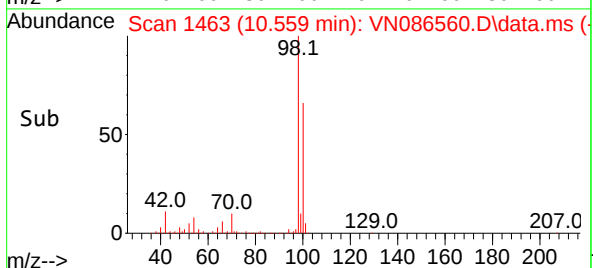
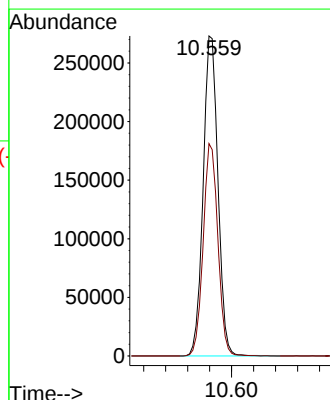
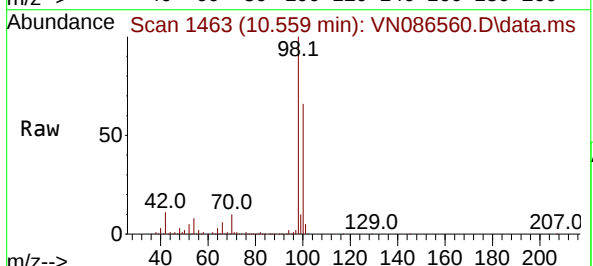
Acq: 09 May 2025 14:19

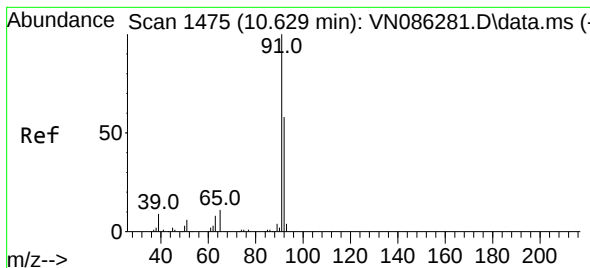
Tgt Ion: 98 Resp: 509502

Ion Ratio Lower Upper

98 100

100 65.8 52.5 78.7





#52

Toluene

Concen: 7.877 ug/l

RT: 10.624 min Scan# 1475

Delta R.T. -0.006 min

Lab File: VN086560.D

Acq: 09 May 2025 14:19

Instrument :

MSVOA_N

ClientSampleId :

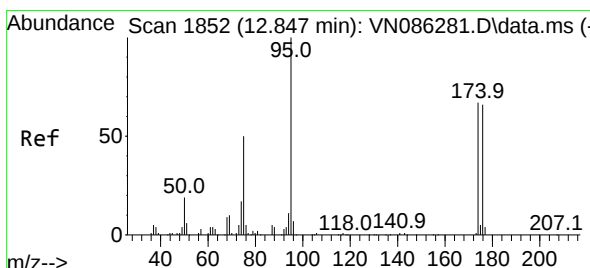
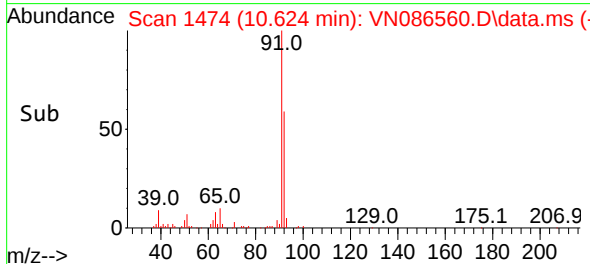
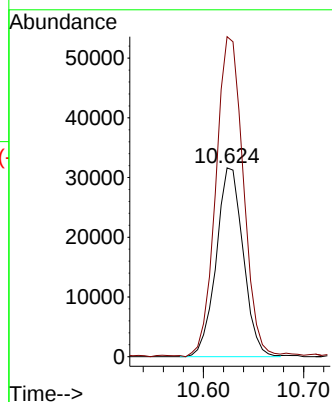
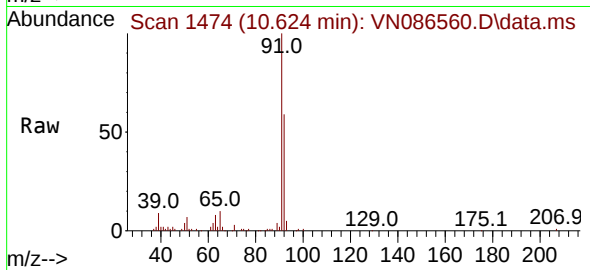
3837

Tgt Ion: 92 Resp: 59105

Ion Ratio Lower Upper

92 100

91 170.8 137.3 205.9



#62

4-Bromofluorobenzene

Concen: 46.834 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN086560.D

Acq: 09 May 2025 14:19

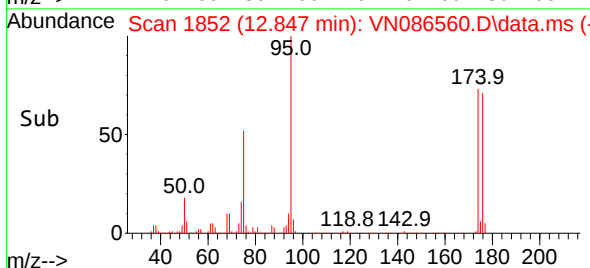
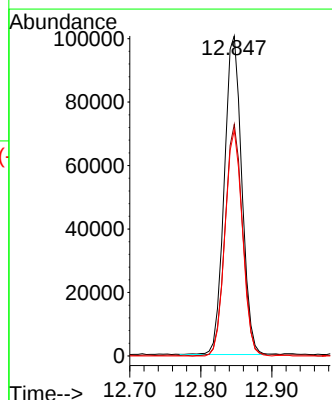
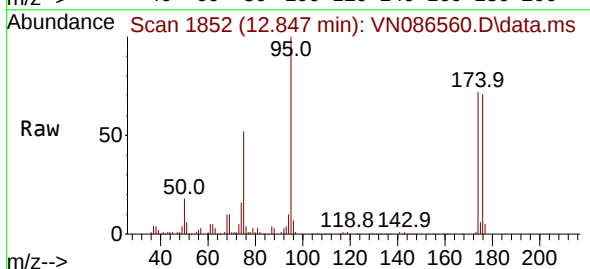
Tgt Ion: 95 Resp: 171550

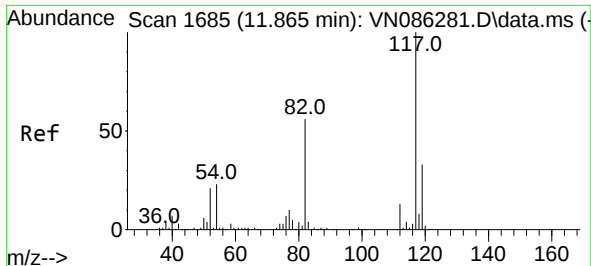
Ion Ratio Lower Upper

95 100

174 72.9 0.0 133.4

176 70.3 0.0 129.2

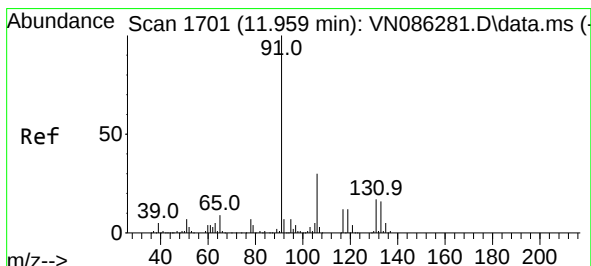
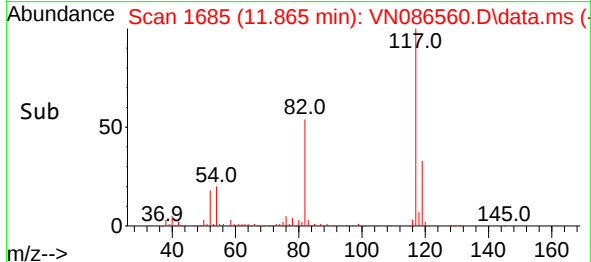
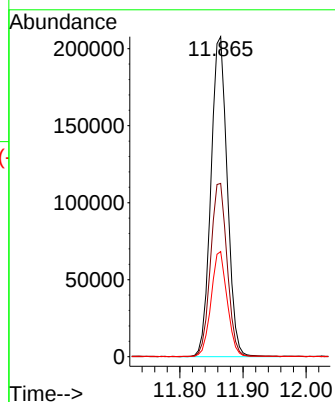
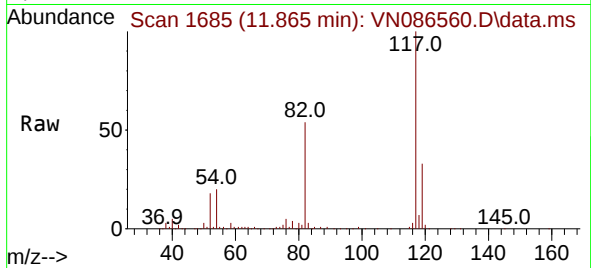




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN086560.D
Acq: 09 May 2025 14:19

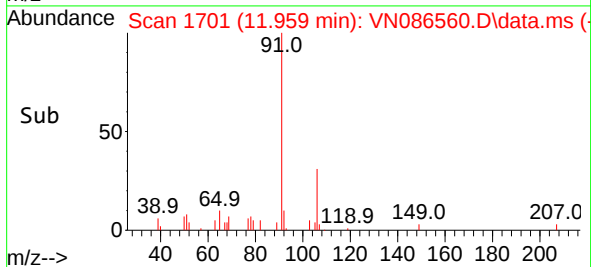
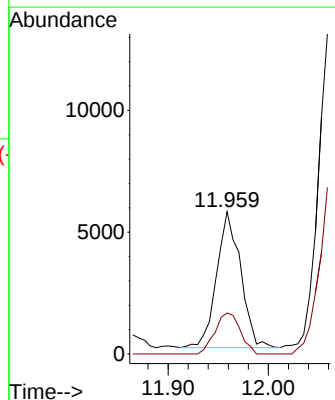
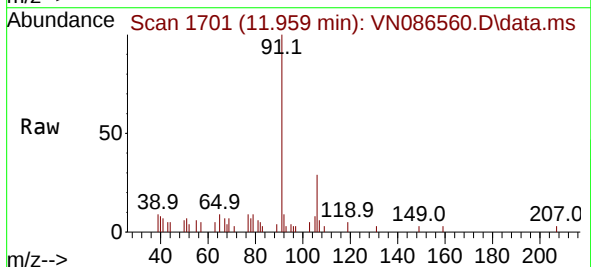
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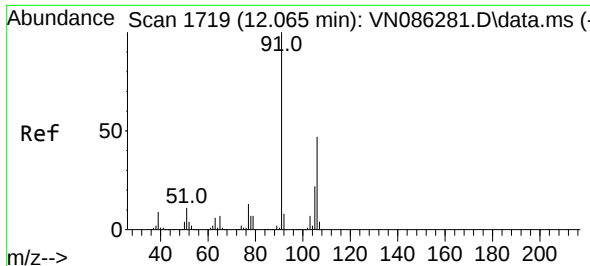
Tgt Ion:117 Resp: 373550
Ion Ratio Lower Upper
117 100
82 54.1 44.7 67.1
119 32.8 26.4 39.6



#67
Ethyl Benzene
Concen: 0.617 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN086560.D
Acq: 09 May 2025 14:19

Tgt Ion: 91 Resp: 9287
Ion Ratio Lower Upper
91 100
106 30.2 24.3 36.5

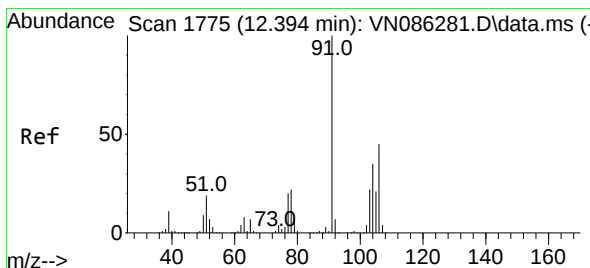
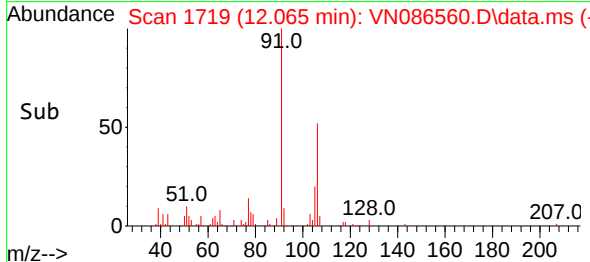
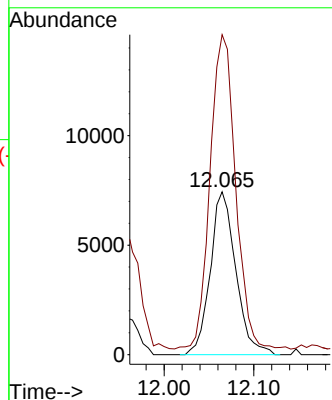
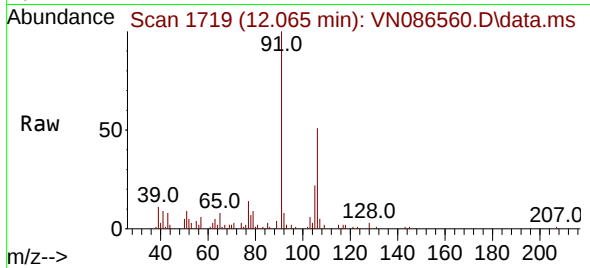




#68
m/p-Xylenes
Concen: 2.604 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VN086560.D
Acq: 09 May 2025 14:19

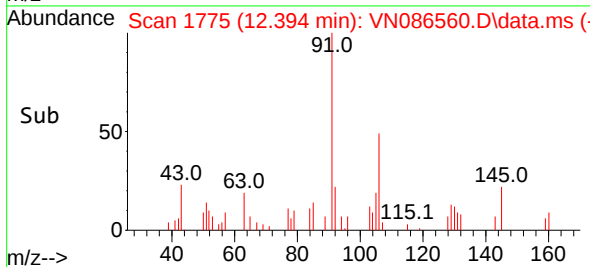
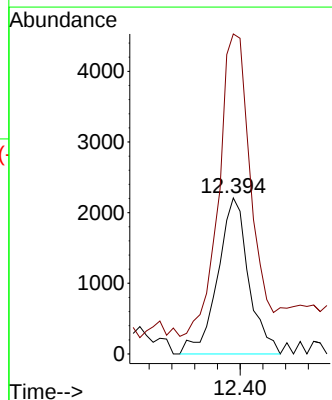
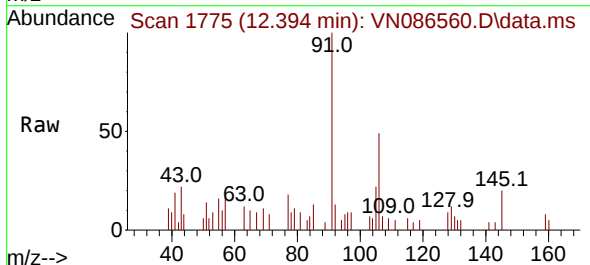
Instrument :
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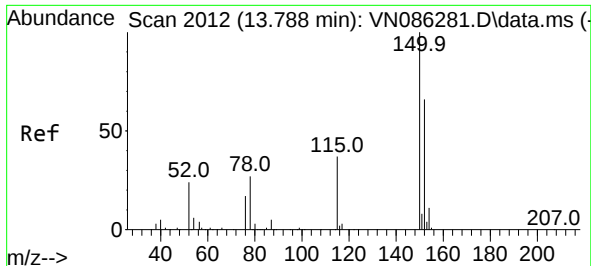
Tgt Ion:106 Resp: 14680
Ion Ratio Lower Upper
106 100
91 192.6 166.5 249.7



#69
o-Xylene
Concen: 0.749 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN086560.D
Acq: 09 May 2025 14:19

Tgt Ion:106 Resp: 4175
Ion Ratio Lower Upper
106 100
91 205.5 109.7 329.0

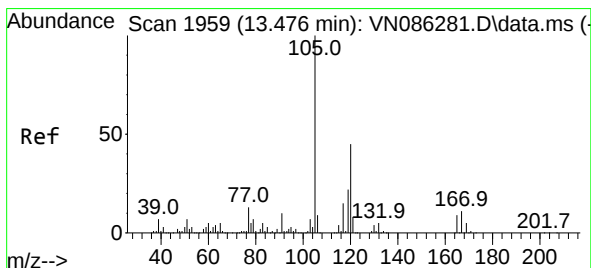
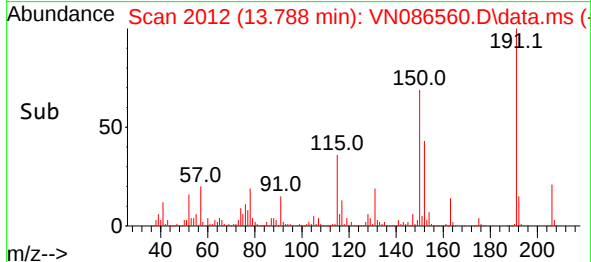
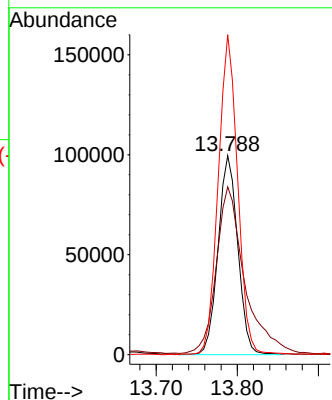
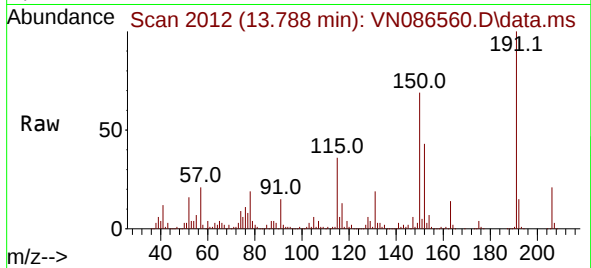




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. 0.000 min
 Lab File: VN086560.D
 Acq: 09 May 2025 14:19

Instrument :
 MSVOA_N
 ClientSampleId :
 3837

Tgt Ion:152 Resp: 167962
 Ion Ratio Lower Upper
 152 100
 115 120.2 31.9 95.9#
 150 159.1 0.0 352.0



#84
 1,2,4-Trimethylbenzene
 Concen: 0.596 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. 0.006 min
 Lab File: VN086560.D
 Acq: 09 May 2025 14:19

Tgt Ion:105 Resp: 6828
 Ion Ratio Lower Upper
 105 100
 120 62.8 22.4 67.3

