

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
 Data File : VN086500.D
 Acq On : 05 May 2025 20:50
 Operator : JC\MD
 Sample : Q1939-06 20X
 Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GB3B

Quant Time: May 06 01:48:34 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)

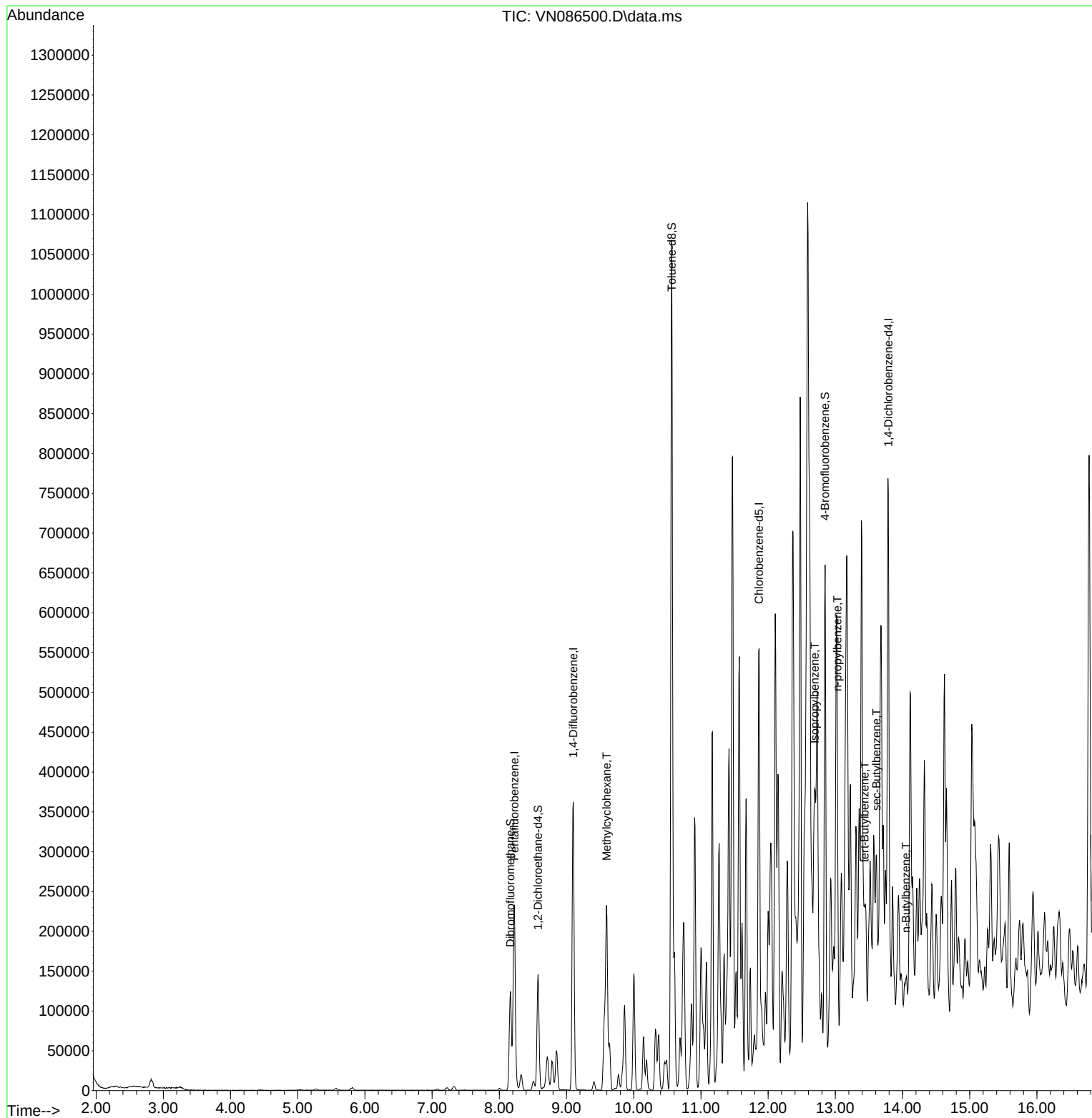
Internal Standards						
1) Pentafluorobenzene	8.224	168	176014	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	330285	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	317139	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	153312	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	119417	46.787	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.580%
35) Dibromofluoromethane	8.165	113	90948	59.331	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	118.660%
50) Toluene-d8	10.565	98	449439	54.860	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	109.720%
62) 4-Bromofluorobenzene	12.847	95	168278	56.315	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	112.620%
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.594	83	103464	28.431	ug/l	99
73) Isopropylbenzene	12.694	105	56356	4.494	ug/l	97
78) n-propylbenzene	13.029	91	112868	7.637	ug/l	100
83) tert-Butylbenzene	13.435	119	12456	1.400	ug/l	86
85) sec-Butylbenzene	13.612	105	62042	5.029	ug/l #	70
89) n-Butylbenzene	14.053	91	19294	2.141	ug/l #	85

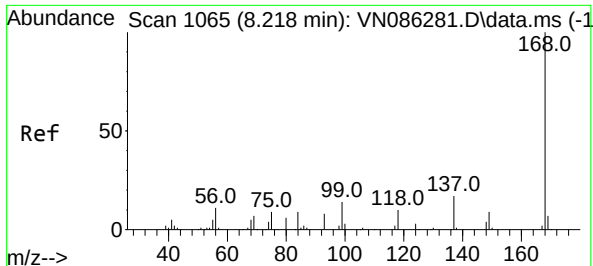
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

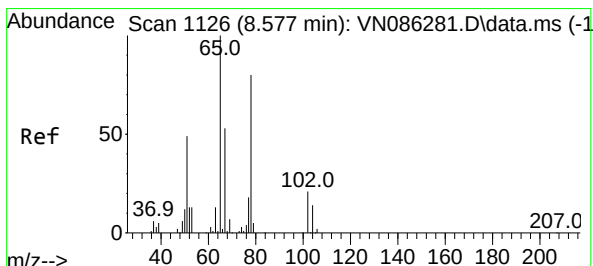
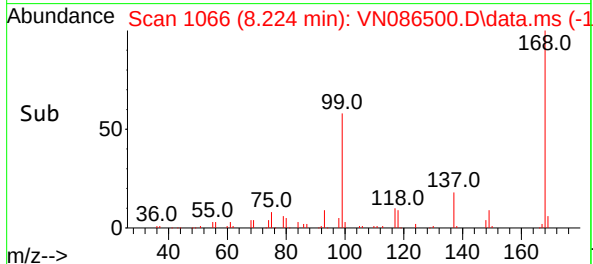
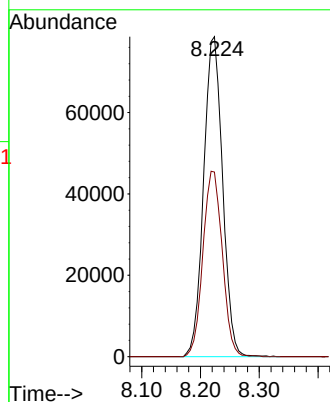
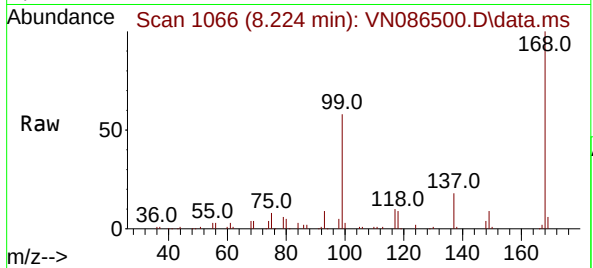




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

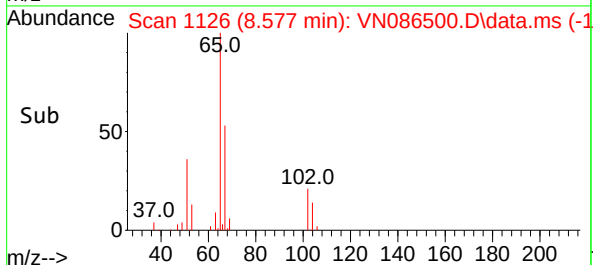
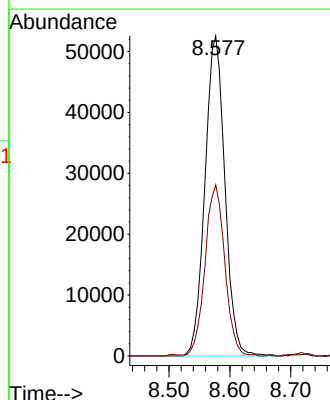
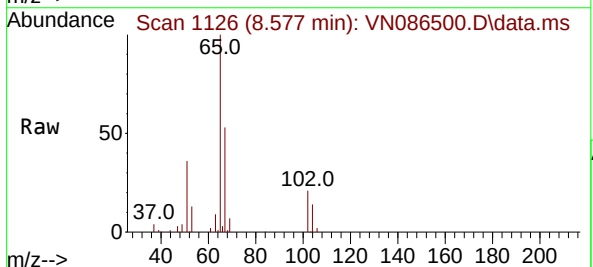
Instrument :
MSVOA_N
ClientSampleId :
GB3B

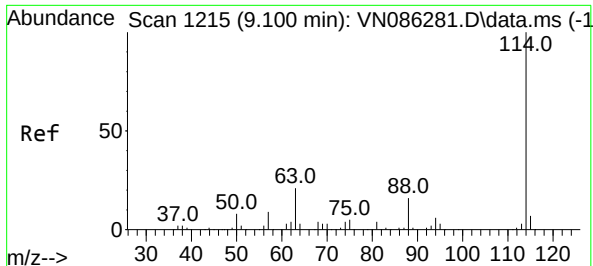
Tgt Ion:168 Resp: 176014
Ion Ratio Lower Upper
168 100
99 57.7 52.5 78.7



#33
1,2-Dichloroethane-d4
Concen: 46.787 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

Tgt Ion: 65 Resp: 119417
Ion Ratio Lower Upper
65 100
67 53.2 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN086500.D

Acq: 05 May 2025 20:50

Instrument :

MSVOA_N

ClientSampleId :

GB3B

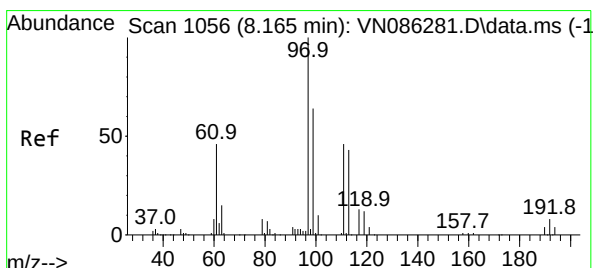
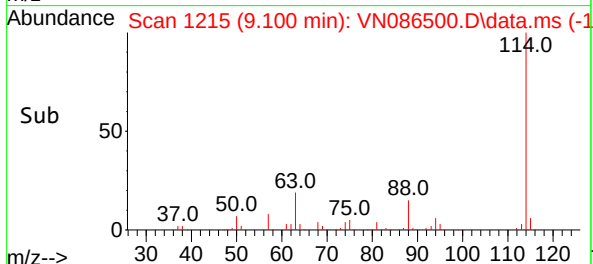
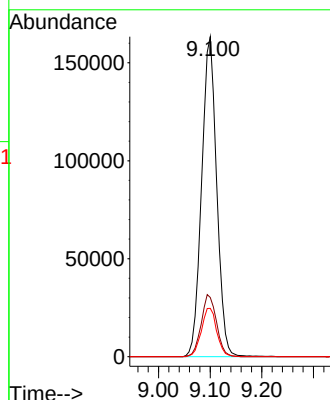
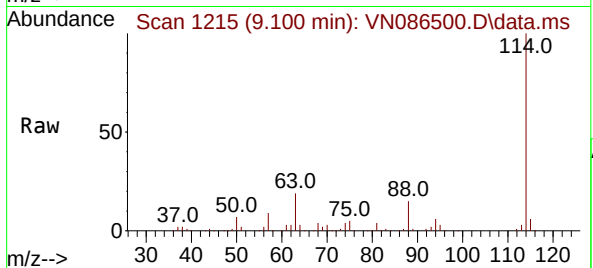
Tgt Ion:114 Resp: 330285

Ion Ratio Lower Upper

114 100

63 18.5 0.0 42.6

88 15.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 59.331 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN086500.D

Acq: 05 May 2025 20:50

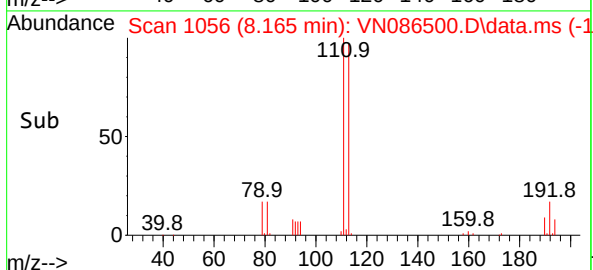
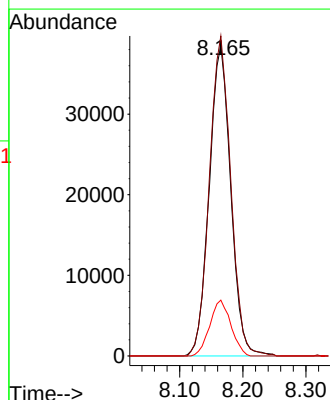
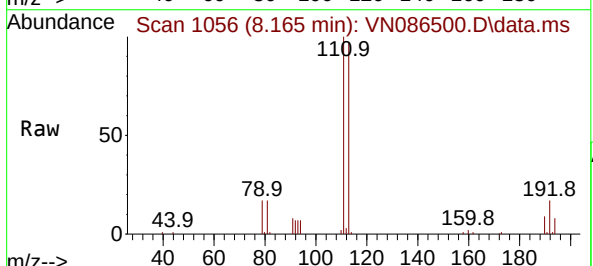
Tgt Ion:113 Resp: 90948

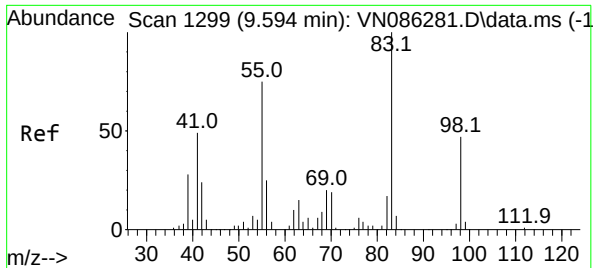
Ion Ratio Lower Upper

113 100

111 102.6 83.4 125.0

192 17.7 13.7 20.5

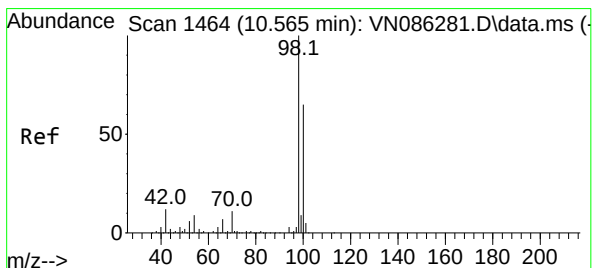
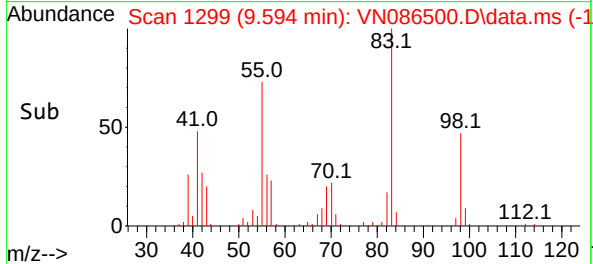
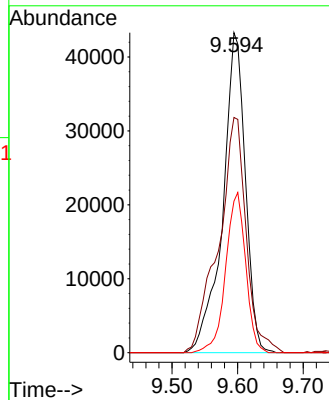
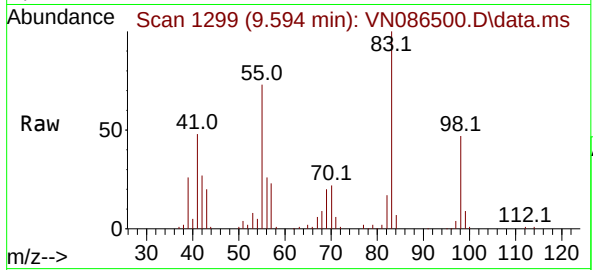




#39
Methylcyclohexane
Concen: 28.431 ug/l
RT: 9.594 min Scan# 1299
Delta R.T. 0.000 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

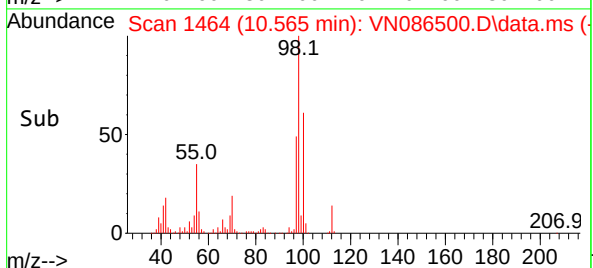
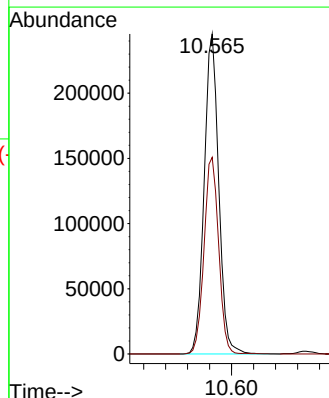
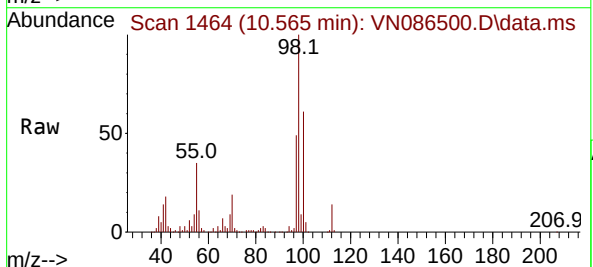
Instrument :
MSVOA_N
ClientSampleId :
GB3B

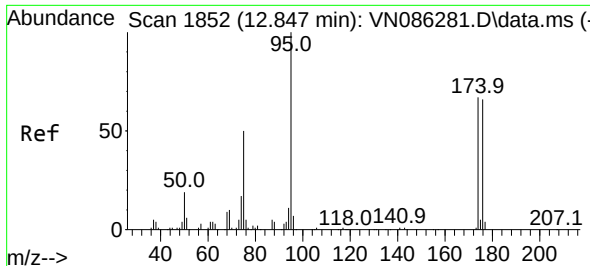
Tgt Ion: 83 Resp: 103464
Ion Ratio Lower Upper
83 100
55 73.5 59.8 89.8
98 47.3 37.9 56.9



#50
Toluene-d8
Concen: 54.860 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

Tgt Ion: 98 Resp: 449439
Ion Ratio Lower Upper
98 100
100 61.7 52.5 78.7

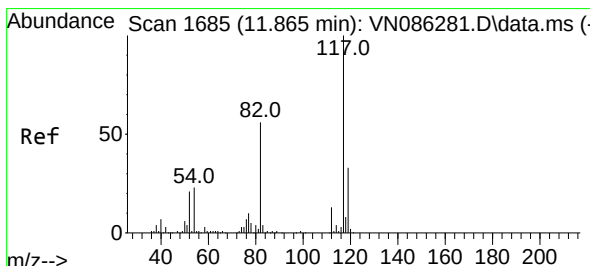
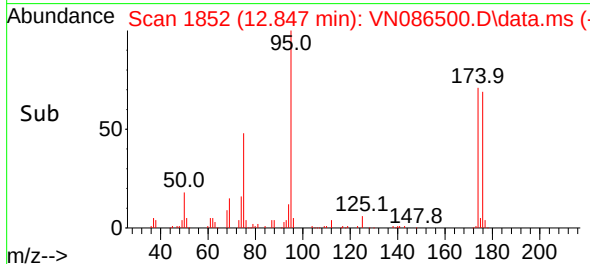
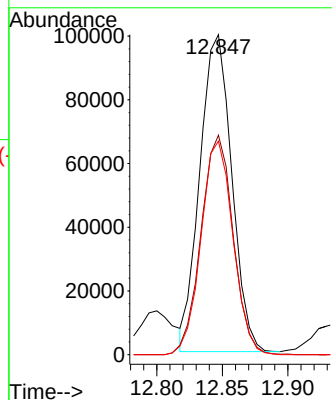
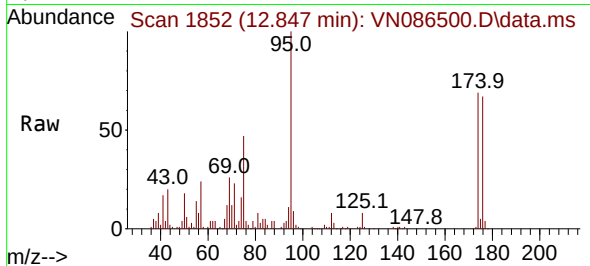




#62
4-Bromofluorobenzene
Concen: 56.315 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

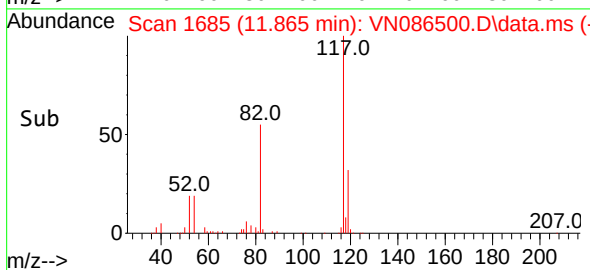
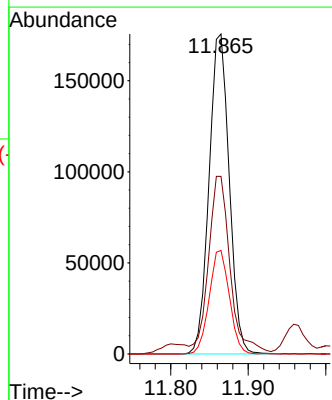
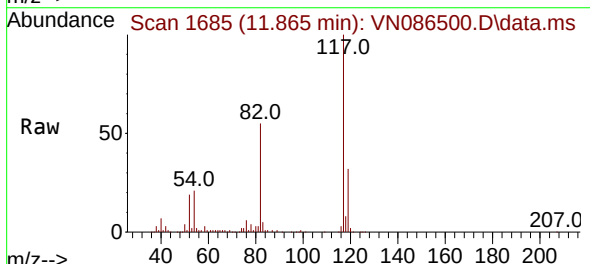
Instrument :
MSVOA_N
ClientSampleId :
GB3B

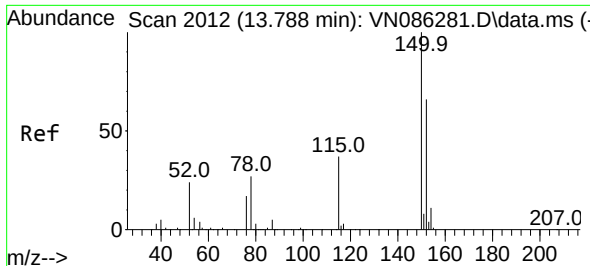
Tgt Ion: 95 Resp: 168278
Ion Ratio Lower Upper
95 100
174 69.8 0.0 133.4
176 67.6 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

Tgt Ion: 117 Resp: 317139
Ion Ratio Lower Upper
117 100
82 52.8 44.7 67.1
119 32.4 26.4 39.6

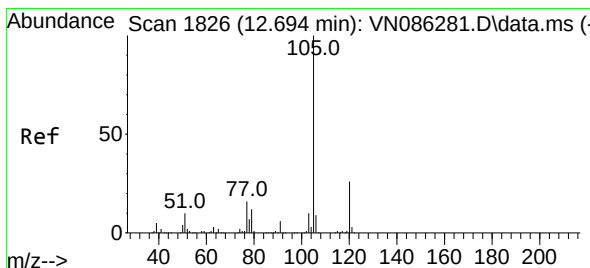
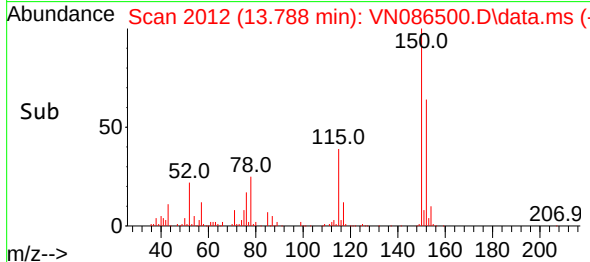
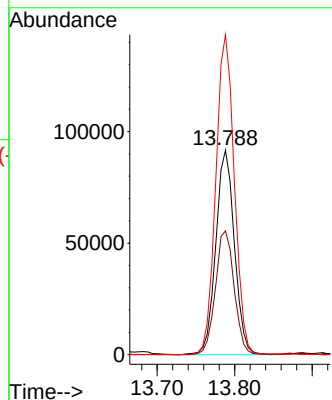
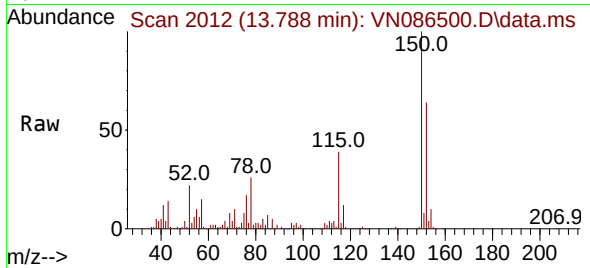




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

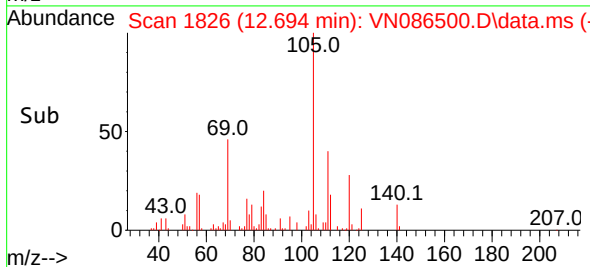
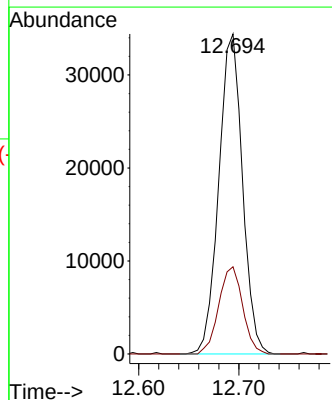
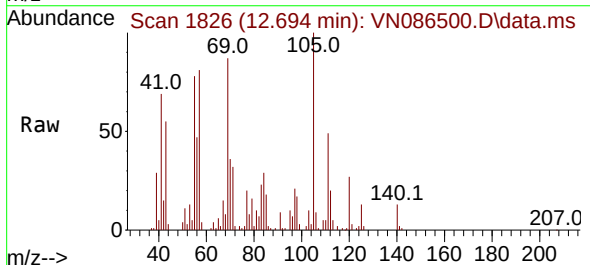
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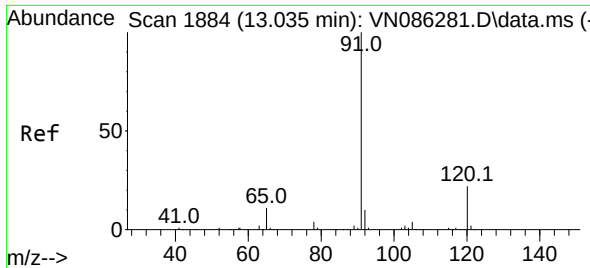
Tgt Ion:152 Resp: 153312
Ion Ratio Lower Upper
152 100
115 61.0 31.9 95.9
150 155.4 0.0 352.0



#73
Isopropylbenzene
Concen: 4.494 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

Tgt Ion:105 Resp: 56356
Ion Ratio Lower Upper
105 100
120 27.5 13.1 39.3

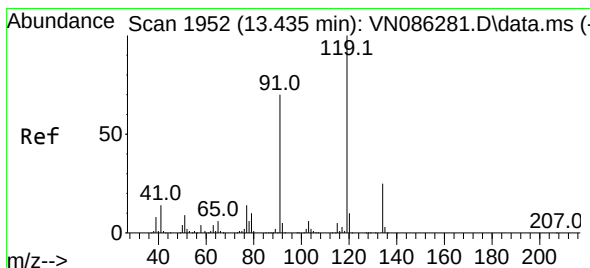
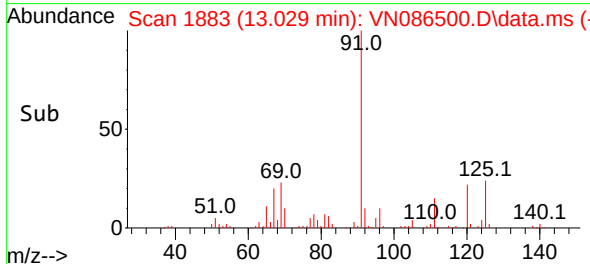
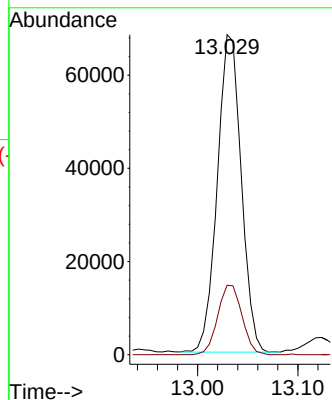
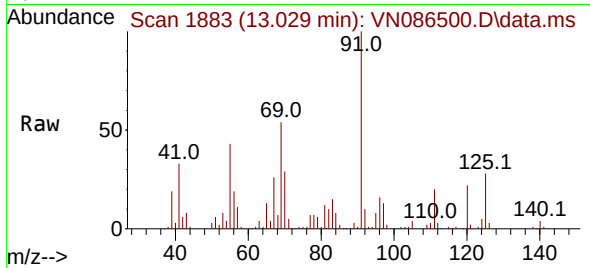




#78
n-propylbenzene
Concen: 7.637 ug/l
RT: 13.029 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

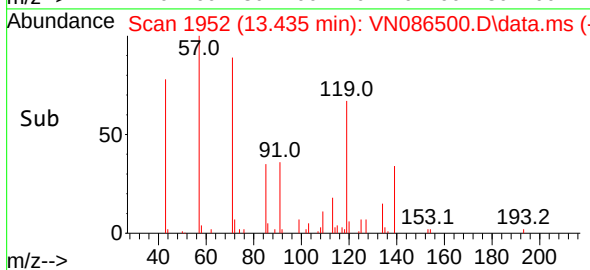
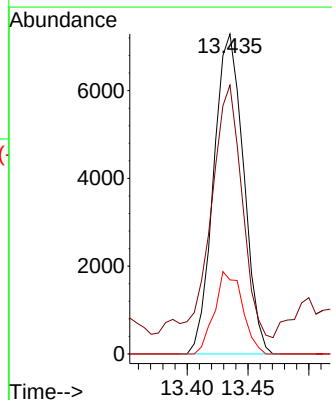
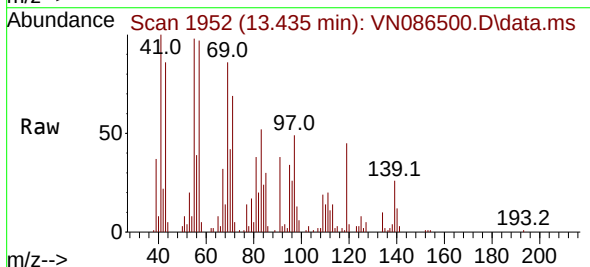
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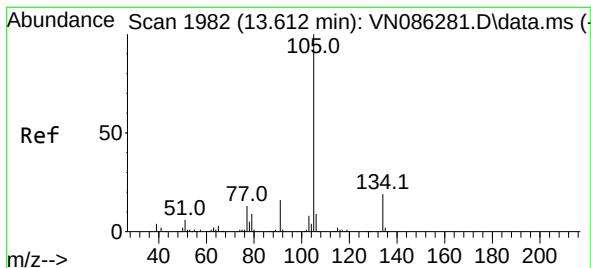
Tgt Ion: 91 Resp: 112868
Ion Ratio Lower Upper
91 100
120 22.1 11.1 33.3



#83
tert-Butylbenzene
Concen: 1.400 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

Tgt Ion: 119 Resp: 12456
Ion Ratio Lower Upper
119 100
91 83.1 34.4 103.3
134 24.0 13.0 39.0





#85

sec-Butylbenzene

Concen: 5.029 ug/l

RT: 13.612 min Scan# 1982

Delta R.T. 0.000 min

Lab File: VN086500.D

Acq: 05 May 2025 20:50

Instrument :

MSVOA_N

ClientSampleId :

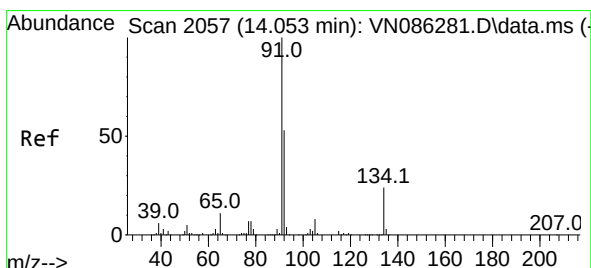
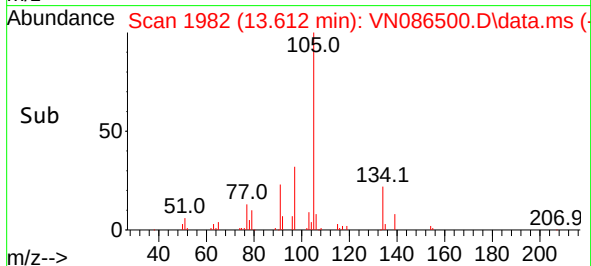
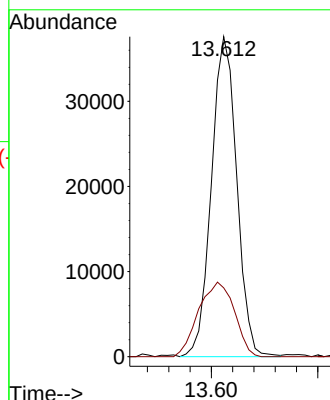
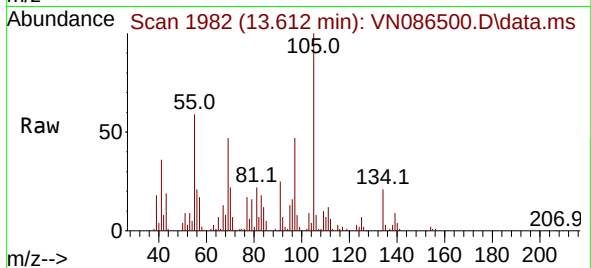
GB3B

Tgt Ion:105 Resp: 62042

Ion Ratio Lower Upper

105 100

134 32.9 9.7 29.1#



#89

n-Butylbenzene

Concen: 2.141 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VN086500.D

Acq: 05 May 2025 20:50

Tgt Ion: 91 Resp: 19294

Ion Ratio Lower Upper

91 100

92 52.1 26.8 80.4

134 45.3 12.2 36.6#

