

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
 Data File : VN086455.D
 Acq On : 02 May 2025 11:50
 Operator : JC\MD
 Sample : PB167816ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167816ZHE#01

Quant Time: May 02 23:14:48 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)

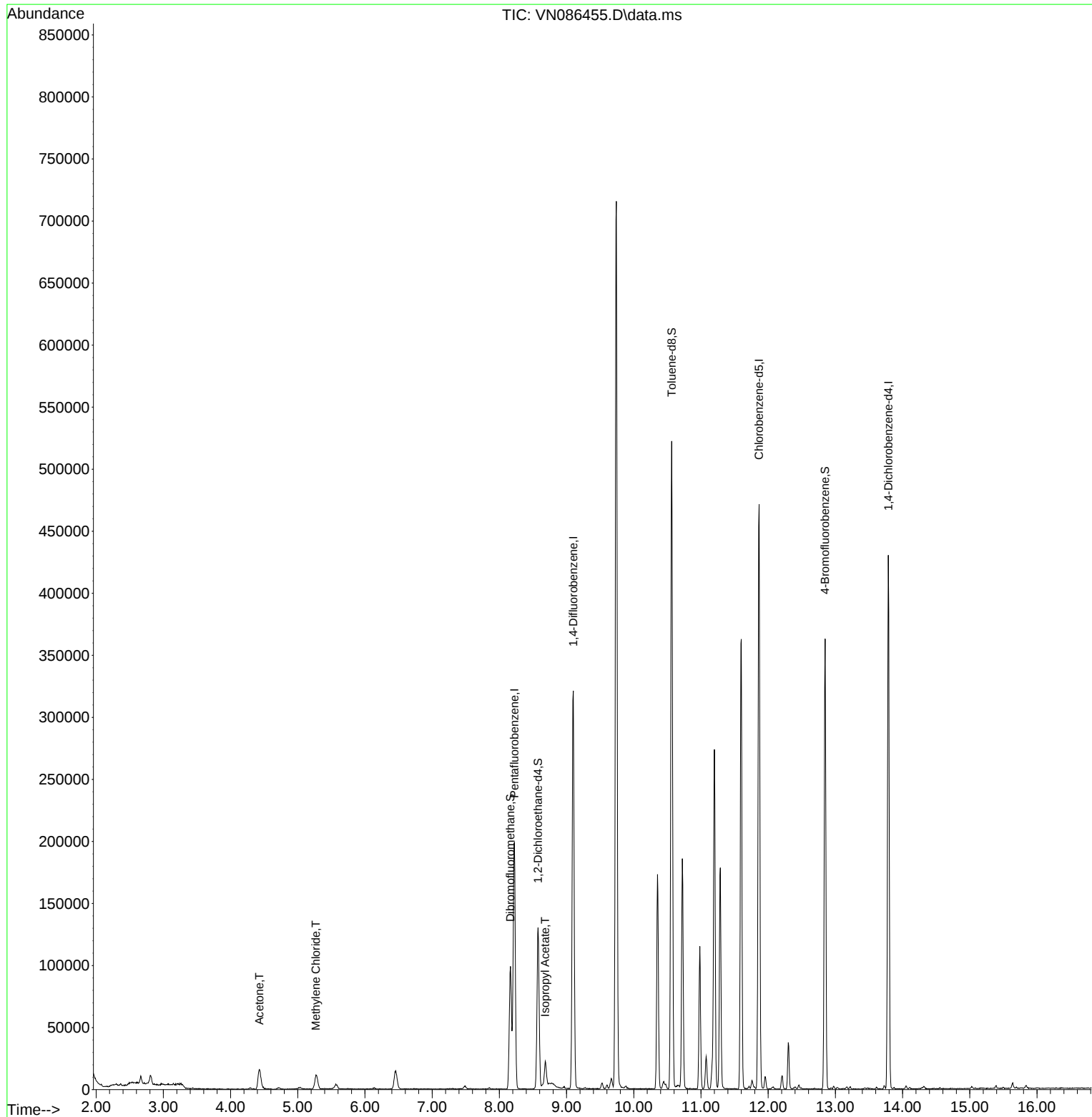
Internal Standards						
1) Pentafluorobenzene	8.224	168	149888	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	283263	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	272972	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	115706	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	107607	49.508	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.020%
35) Dibromofluoromethane	8.165	113	73569	55.960	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	111.920%
50) Toluene-d8	10.565	98	361722	51.482	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.960%
62) 4-Bromofluorobenzene	12.847	95	130927	51.089	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.180%
Target Compounds						
					Qvalue	
16) Acetone	4.430	43	32532	38.462	ug/l	99
20) Methylene Chloride	5.271	84	9459	4.707	ug/l	96
43) Isopropyl Acetate	8.683	43	28568	3.965	ug/l #	84

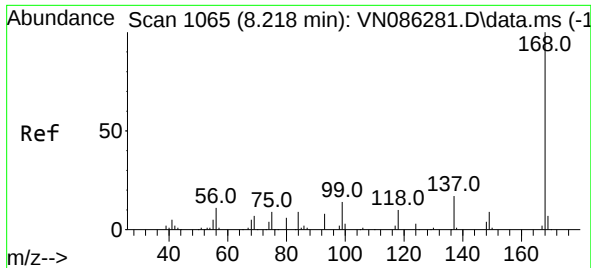
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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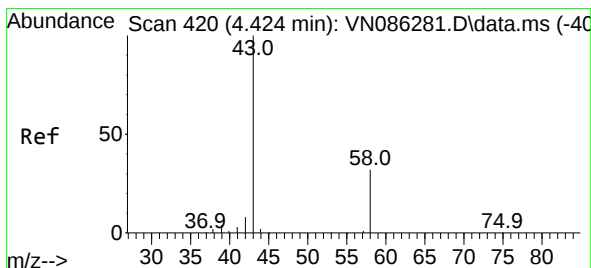
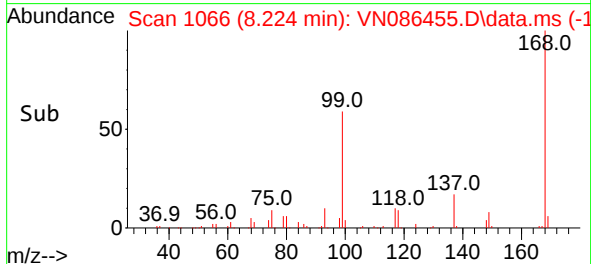
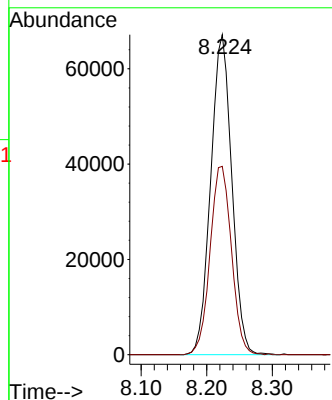
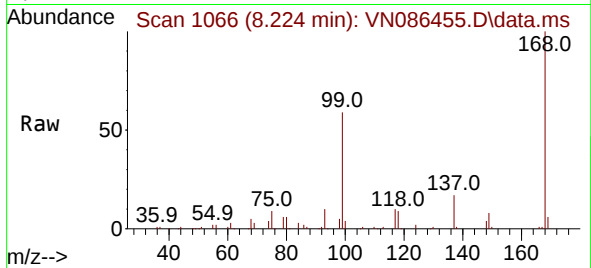




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086455.D
Acq: 02 May 2025 11:50

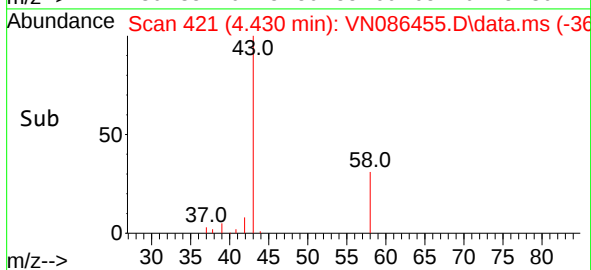
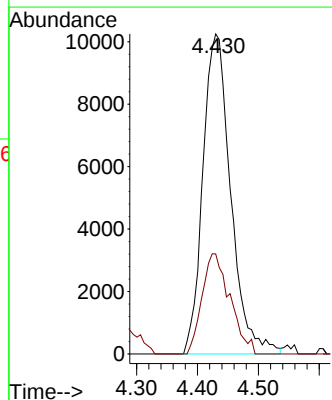
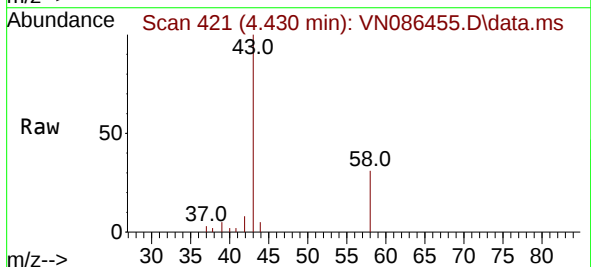
Instrument :
MSVOA_N
ClientSampleId :
PB167816ZHE#01

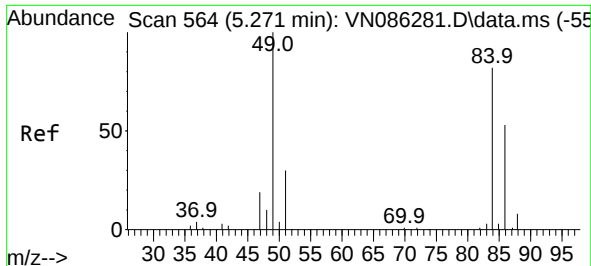
Tgt Ion:168 Resp: 149888
Ion Ratio Lower Upper
168 100
99 58.9 52.5 78.7



#16
Acetone
Concen: 38.462 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086455.D
Acq: 02 May 2025 11:50

Tgt Ion: 43 Resp: 32532
Ion Ratio Lower Upper
43 100
58 31.2 25.3 37.9

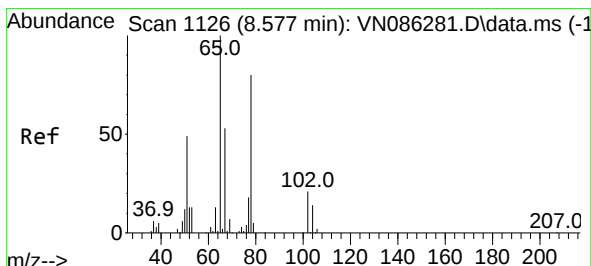
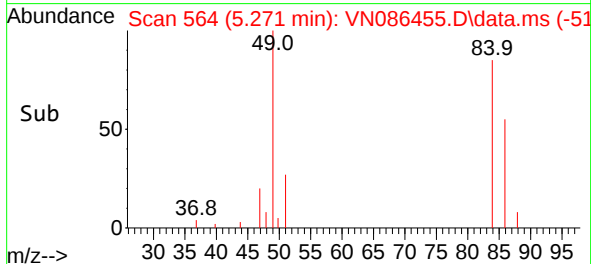
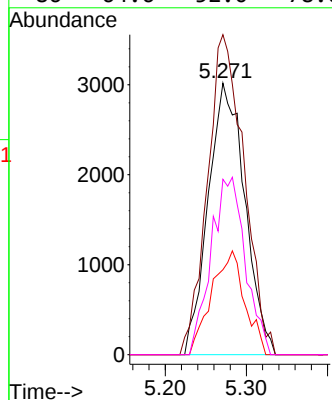
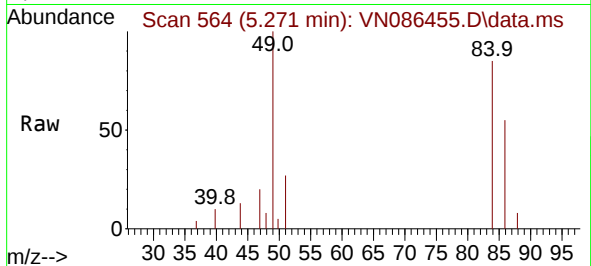




#20
Methylene Chloride
Concen: 4.707 ug/l
RT: 5.271 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN086455.D
Acq: 02 May 2025 11:50

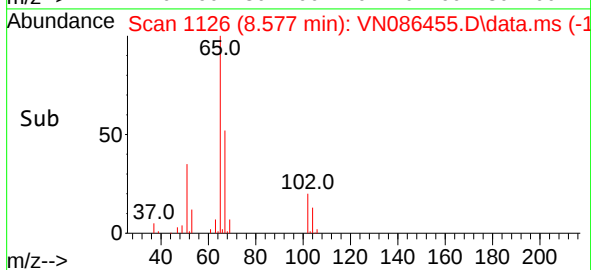
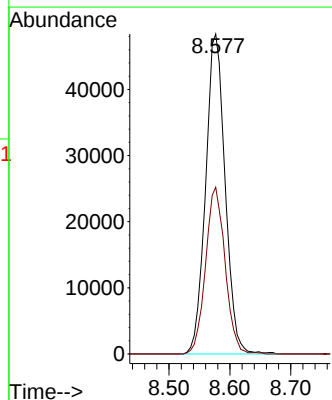
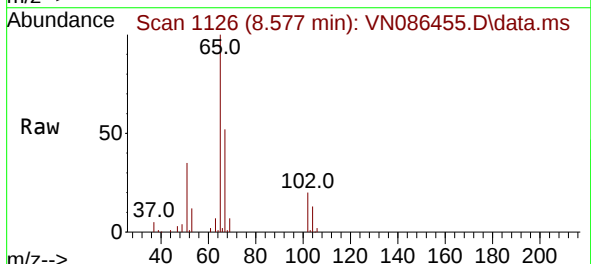
Instrument :
MSVOA_N
ClientSampleId :
PB167816ZHE#01

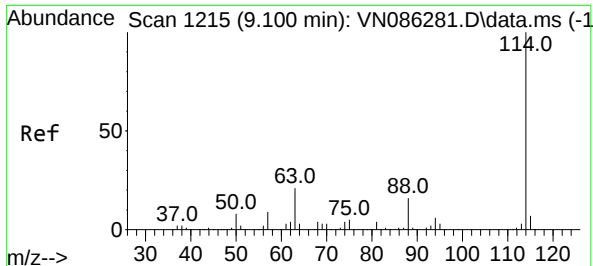
Tgt Ion:	84	Resp:	9459
Ion	Ratio	Lower	Upper
84	100		
49	117.9	98.2	147.2
51	31.3	29.8	44.6
86	64.6	52.0	78.0



#33
1,2-Dichloroethane-d4
Concen: 49.508 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086455.D
Acq: 02 May 2025 11:50

Tgt Ion:	65	Resp:	107607
Ion	Ratio	Lower	Upper
65	100		
67	52.2	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: VN086455.D

Acq: 02 May 2025 11:50

Instrument :

MSVOA_N

ClientSampleId :

PB167816ZHE#01

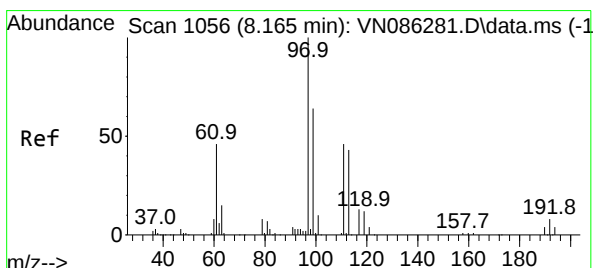
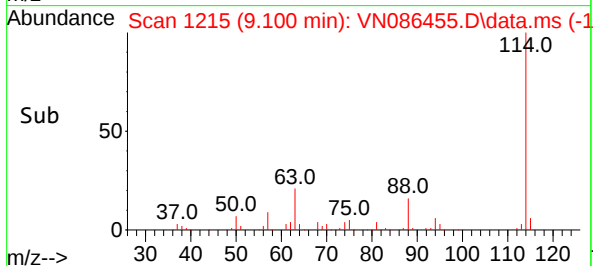
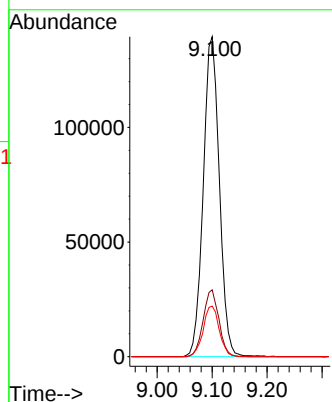
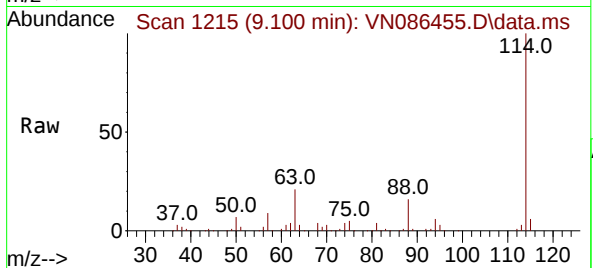
Tgt Ion:114 Resp: 283263

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.6

88 15.8 0.0 31.8



#35

Dibromofluoromethane

Concen: 55.960 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN086455.D

Acq: 02 May 2025 11:50

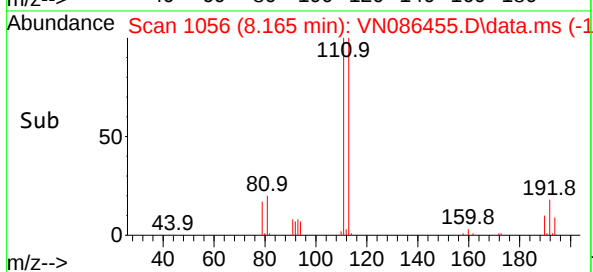
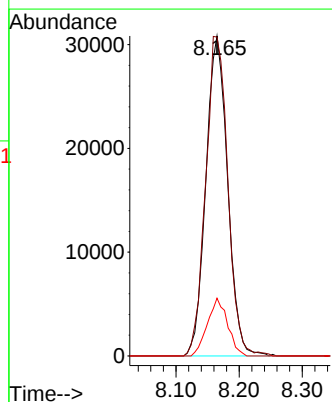
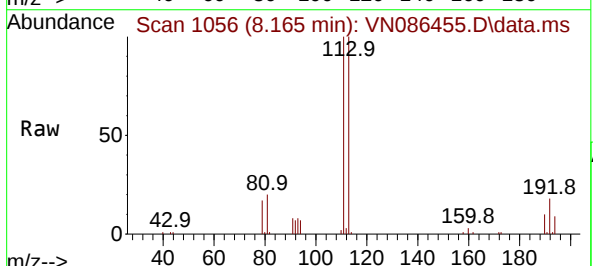
Tgt Ion:113 Resp: 73569

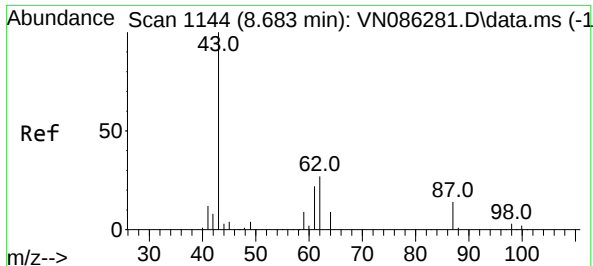
Ion Ratio Lower Upper

113 100

111 102.2 83.4 125.0

192 16.8 13.7 20.5





#43

Isopropyl Acetate

Concen: 3.965 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. -0.000 min

Lab File: VN086455.D

Acq: 02 May 2025 11:50

Instrument :

MSVOA_N

ClientSampleId :

PB167816ZHE#01

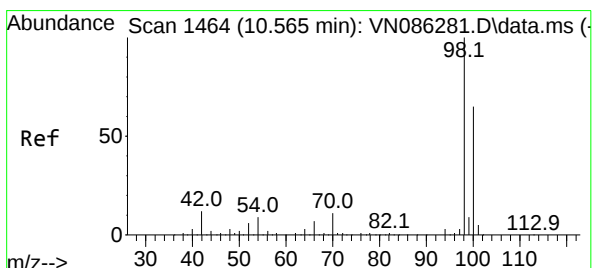
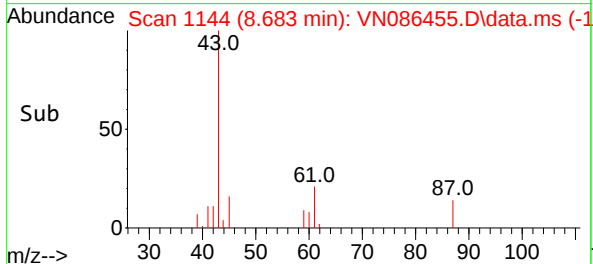
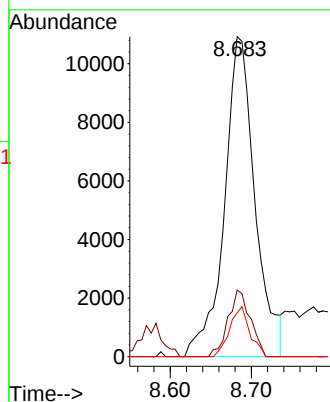
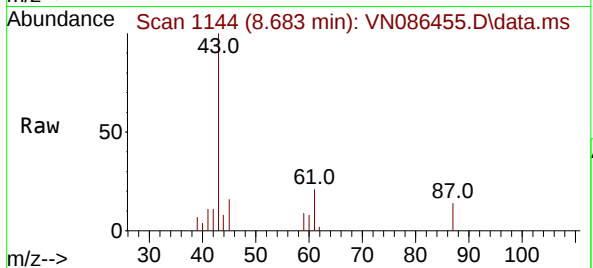
Tgt Ion: 43 Resp: 28568

Ion Ratio Lower Upper

43 100

61 15.2 20.5 30.7#

87 10.3 10.5 15.7#



#50

Toluene-d8

Concen: 51.482 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN086455.D

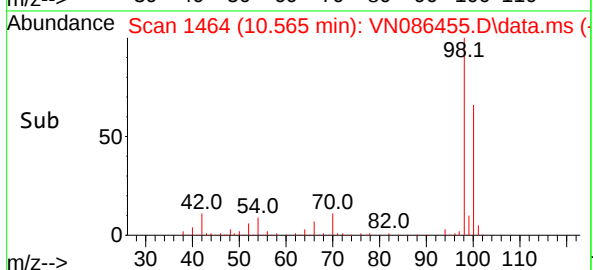
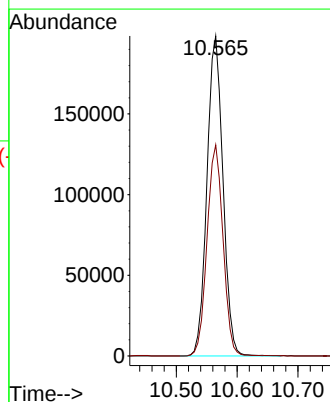
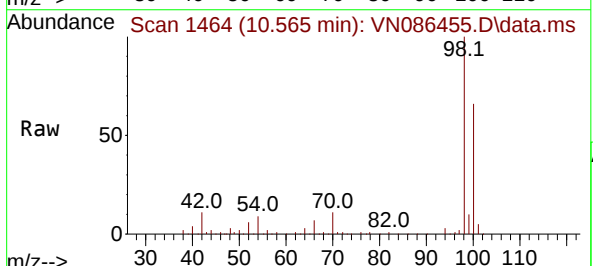
Acq: 02 May 2025 11:50

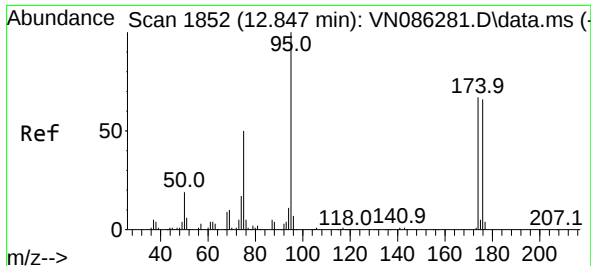
Tgt Ion: 98 Resp: 361722

Ion Ratio Lower Upper

98 100

100 65.9 52.5 78.7

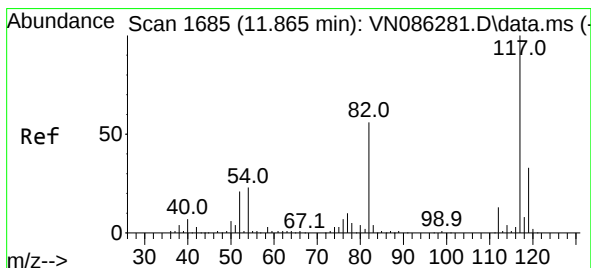
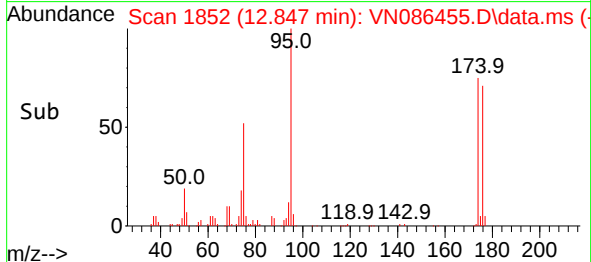
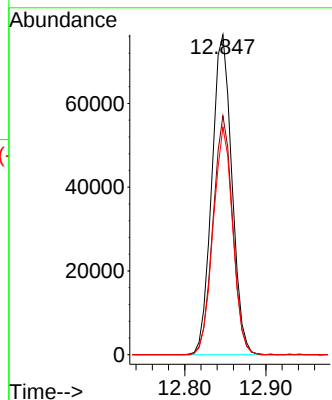
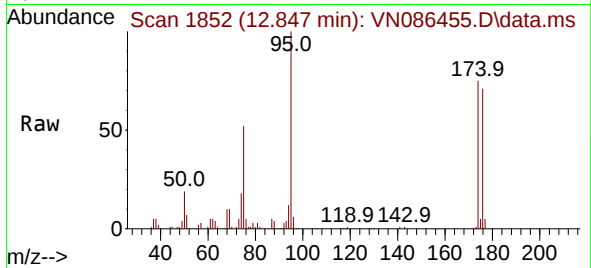




#62
4-Bromofluorobenzene
Concen: 51.089 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086455.D
Acq: 02 May 2025 11:50

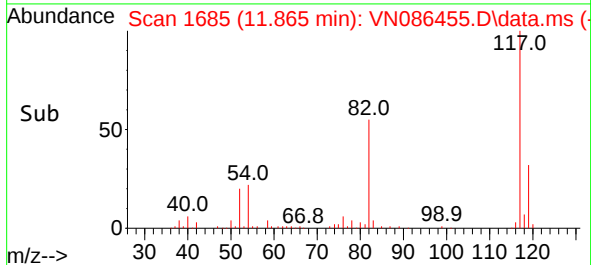
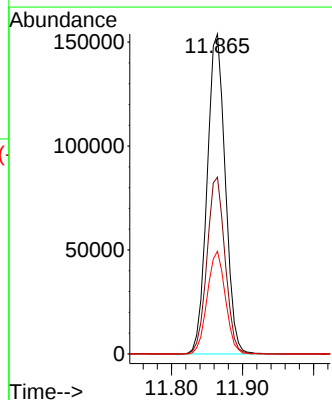
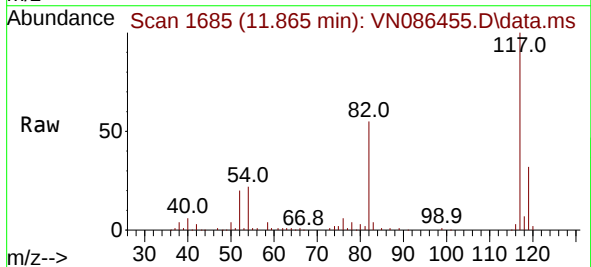
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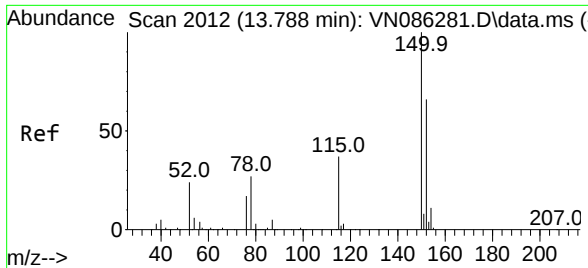
Tgt Ion: 95 Resp: 130927
Ion Ratio Lower Upper
95 100
174 73.1 0.0 133.4
176 69.8 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086455.D
Acq: 02 May 2025 11:50

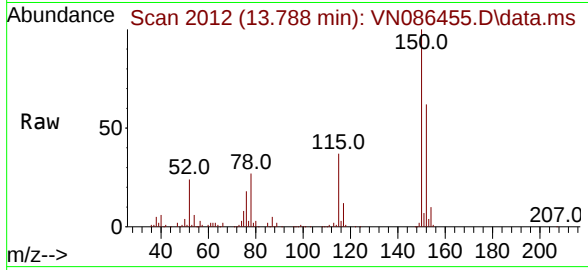
Tgt Ion: 117 Resp: 272972
Ion Ratio Lower Upper
117 100
82 55.3 44.7 67.1
119 32.1 26.4 39.6





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN086455.D
Acq: 02 May 2025 11:50

Instrument :
MSVOA_N
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PB167816ZHE#01



Tgt Ion:152 Resp: 115706
Ion Ratio Lower Upper
152 100
115 59.8 31.9 95.9
150 159.0 0.0 352.0

