

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051525\
 Data File : VN086648.D
 Acq On : 15 May 2025 16:24
 Operator : JC\MD
 Sample : PB167995ZHE#10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167995ZHE#10

Quant Time: May 16 05:29:50 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)

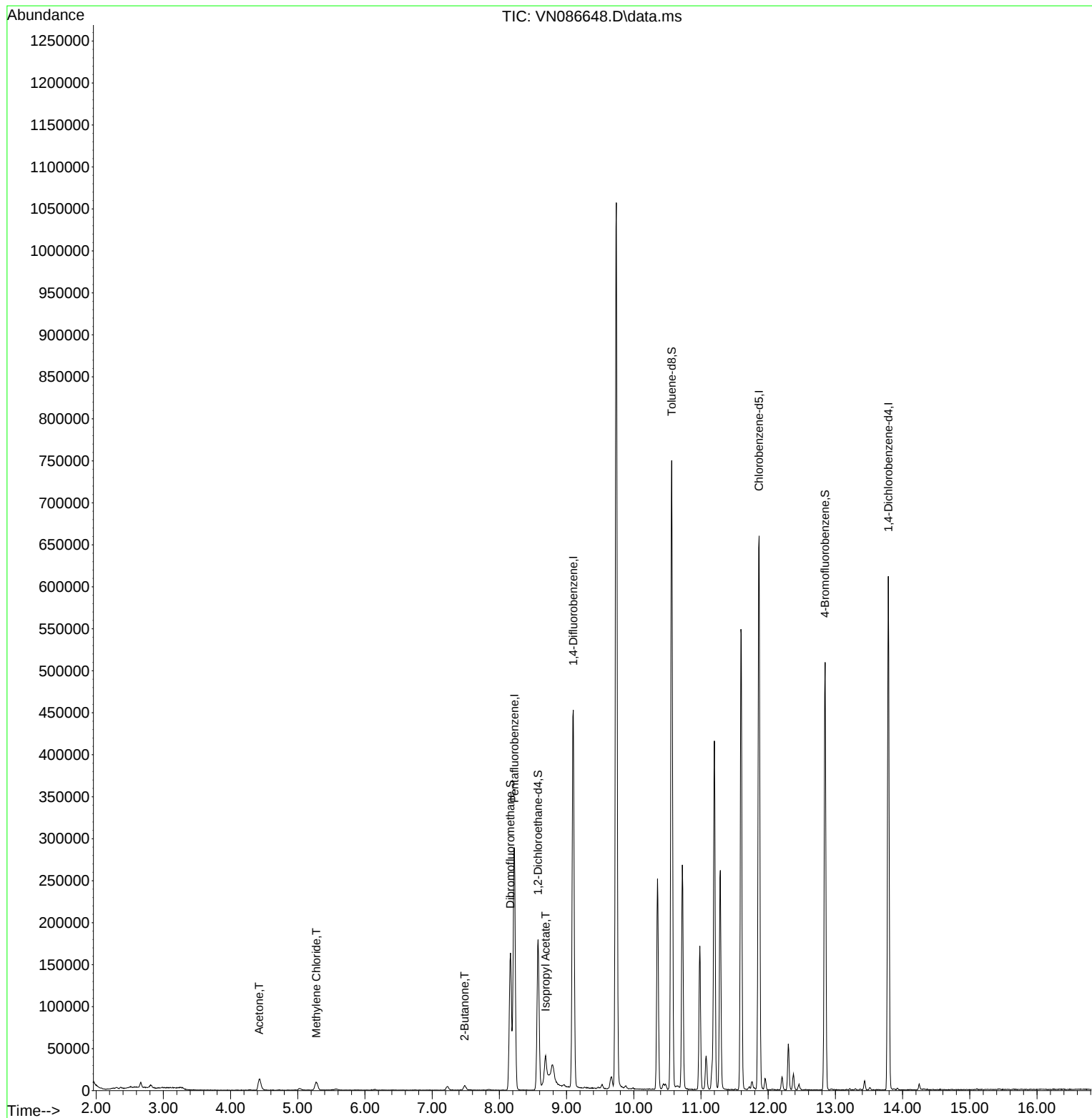
Internal Standards						
1) Pentafluorobenzene	8.224	168	220424	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	412706	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	404971	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	167716	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	148677	46.515	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.020%
35) Dibromofluoromethane	8.165	113	122223	63.810	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	127.620%#
50) Toluene-d8	10.565	98	531417	51.912	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.820%
62) 4-Bromofluorobenzene	12.847	95	189362	50.715	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	101.440%
Target Compounds						
					Qvalue	
16) Acetone	4.424	43	26804	18.981	ug/l	98
20) Methylene Chloride	5.277	84	8088	2.737	ug/l #	94
25) 2-Butanone	7.483	43	9962	5.007	ug/l	100
43) Isopropyl Acetate	8.688	43	59226	6.444	ug/l #	76

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

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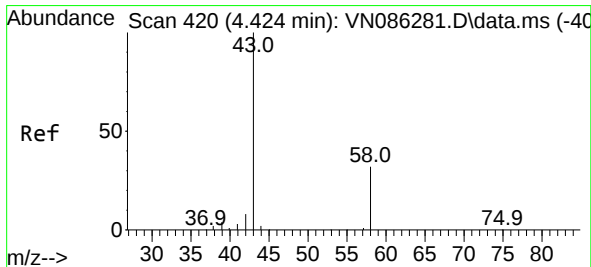
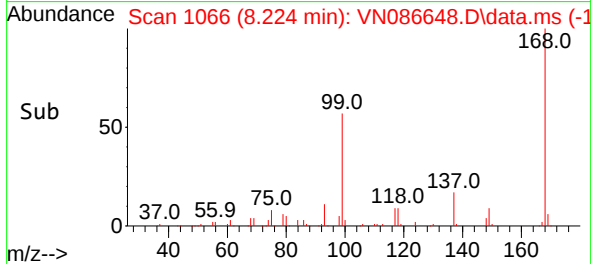
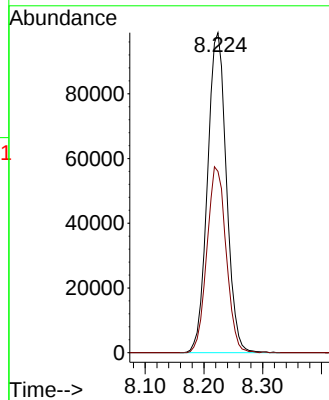
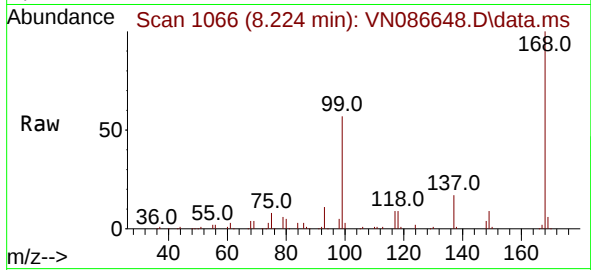




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086648.D
Acq: 15 May 2025 16:24

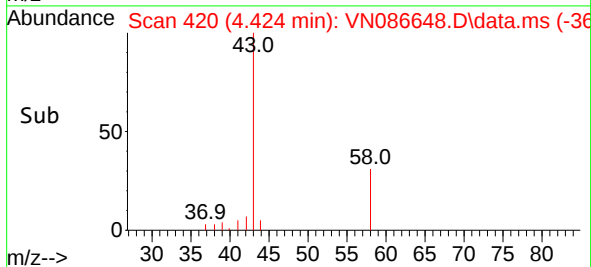
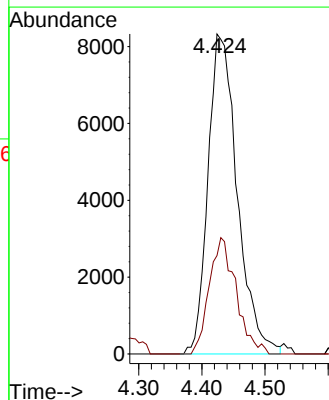
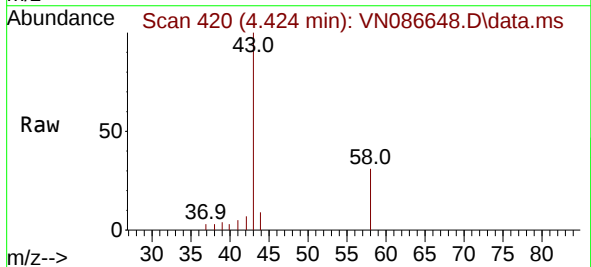
Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#10

Tgt Ion:168 Resp: 220424
Ion Ratio Lower Upper
168 100
99 56.7 52.5 78.7



#16
Acetone
Concen: 18.981 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN086648.D
Acq: 15 May 2025 16:24

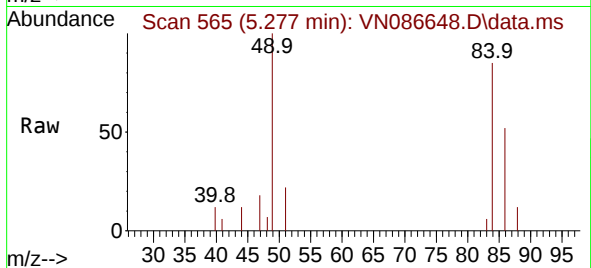
Tgt Ion: 43 Resp: 26804
Ion Ratio Lower Upper
43 100
58 30.8 25.3 37.9



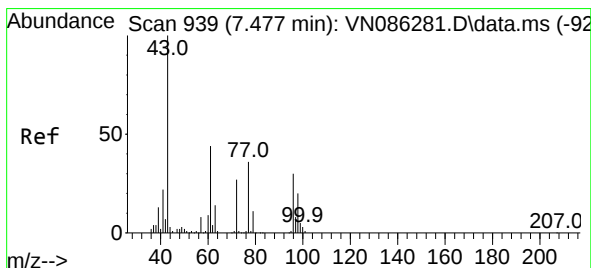
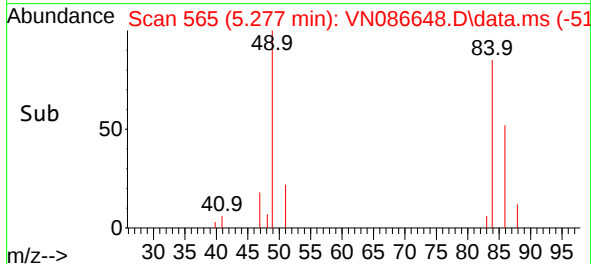
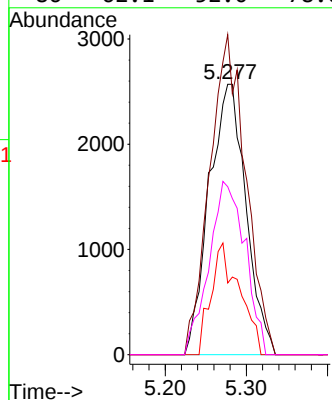


#20
Methylene Chloride
Concen: 2.737 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086648.D
Acq: 15 May 2025 16:24

Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#10

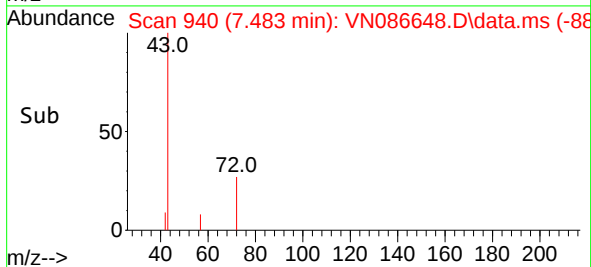
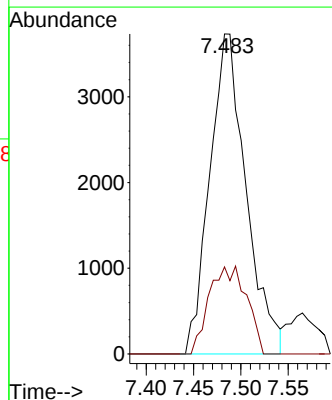
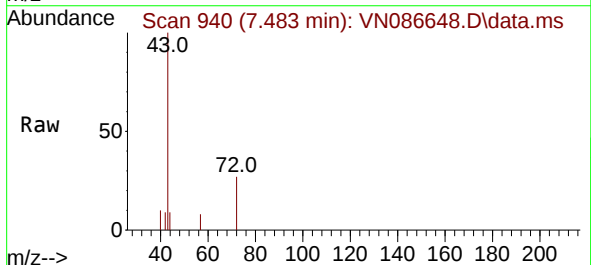


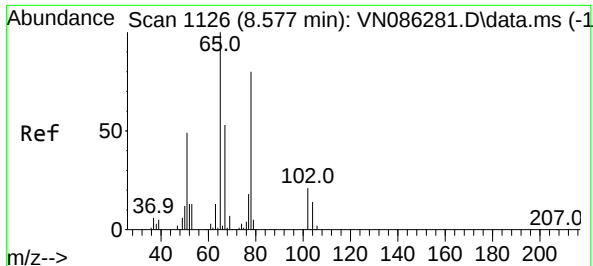
Tgt Ion:	84	Resp:	8088
Ion	Ratio	Lower	Upper
84	100		
49	118.3	98.2	147.2
51	26.5	29.8	44.6#
86	62.1	52.0	78.0



#25
2-Butanone
Concen: 5.007 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN086648.D
Acq: 15 May 2025 16:24

Tgt Ion:	43	Resp:	9962
Ion	Ratio	Lower	Upper
43	100		
72	27.2	21.7	32.5





#33

1,2-Dichloroethane-d4

Concen: 46.515 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN086648.D

Acq: 15 May 2025 16:24

Instrument :

MSVOA_N

ClientSampleId :

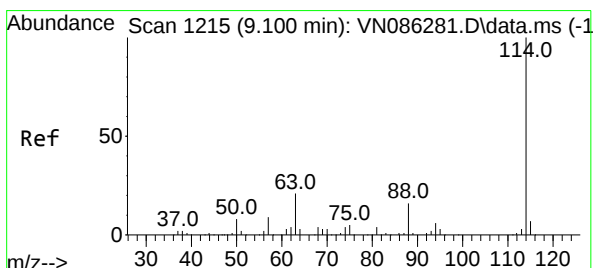
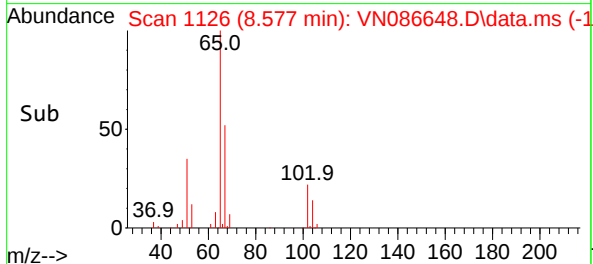
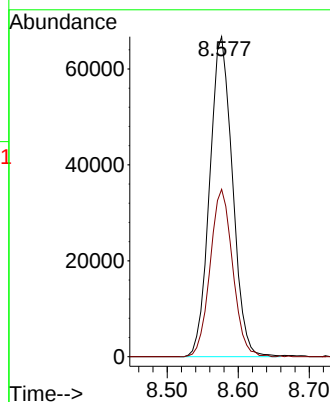
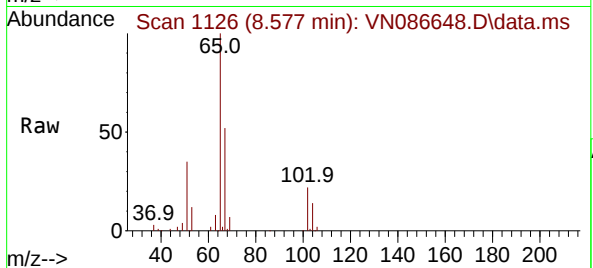
PB167995ZHE#10

Tgt Ion: 65 Resp: 148677

Ion Ratio Lower Upper

65 100

67 51.7 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN086648.D

Acq: 15 May 2025 16:24

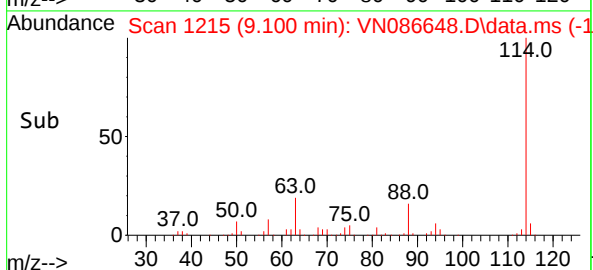
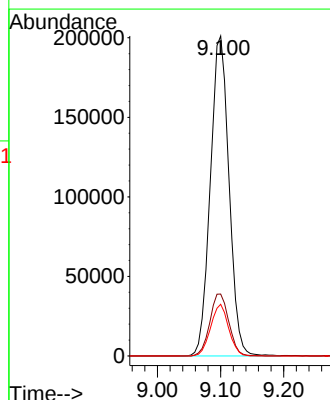
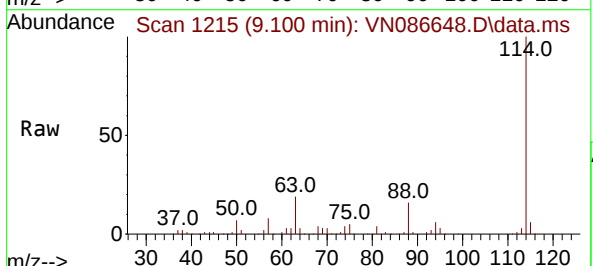
Tgt Ion: 114 Resp: 412706

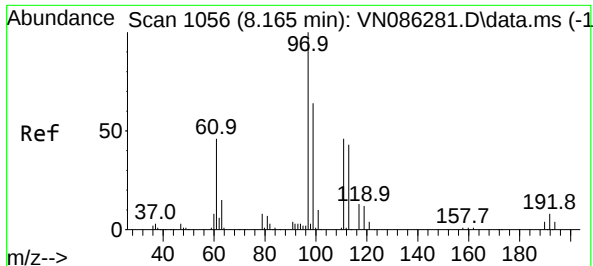
Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.6

88 16.2 0.0 31.8





#35

Dibromofluoromethane

Concen: 63.810 ug/l

RT: 8.165 min Scan# 110

Delta R.T. 0.000 min

Lab File: VN086648.D

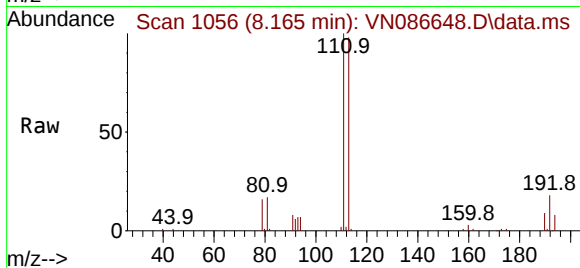
Acq: 15 May 2025 16:24

Instrument :

MSVOA_N

ClientSampleId :

PB167995ZHE#10



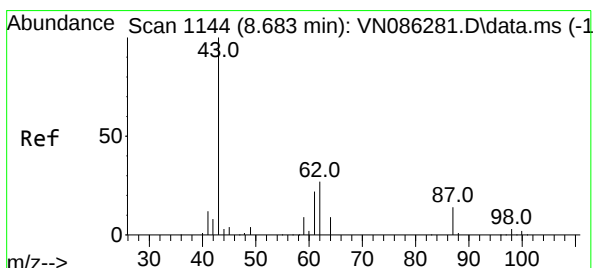
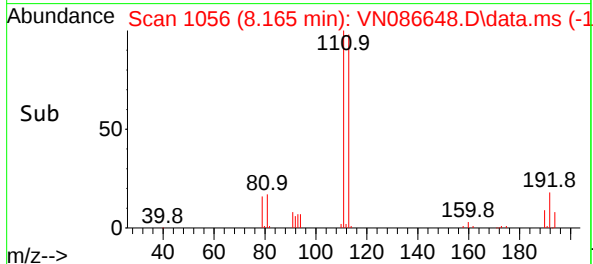
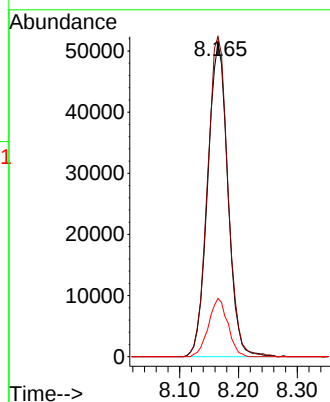
Tgt Ion:113 Resp: 122223

Ion Ratio Lower Upper

113 100

111 103.4 83.4 125.0

192 17.8 13.7 20.5



#43

Isopropyl Acetate

Concen: 6.444 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.005 min

Lab File: VN086648.D

Acq: 15 May 2025 16:24

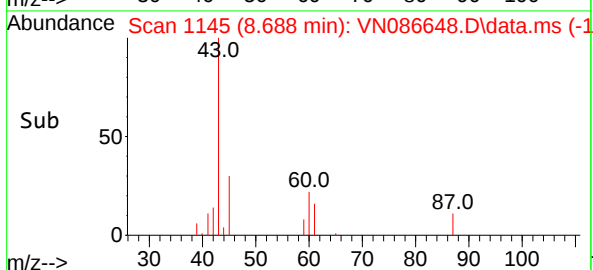
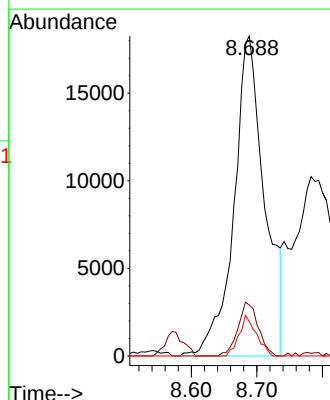
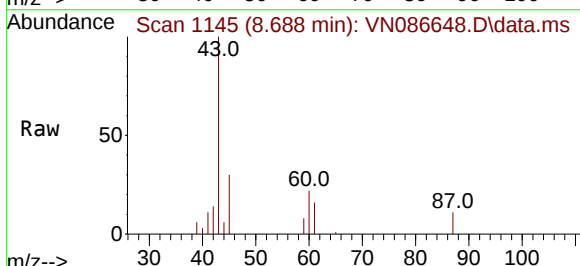
Tgt Ion: 43 Resp: 59226

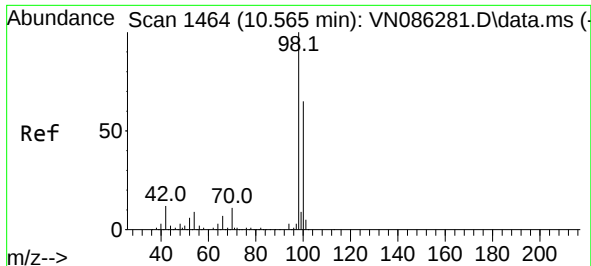
Ion Ratio Lower Upper

43 100

61 11.1 20.5 30.7#

87 7.2 10.5 15.7#

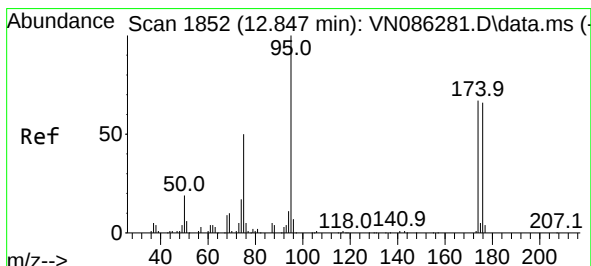
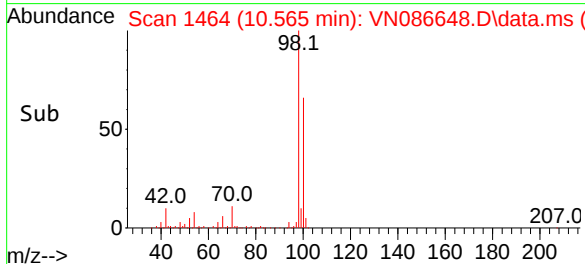
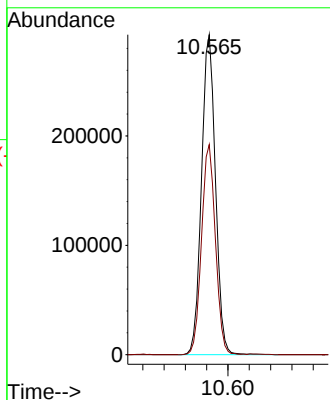
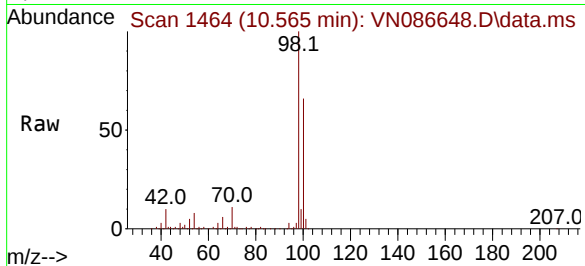




#50
Toluene-d8
Concen: 51.912 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086648.D
Acq: 15 May 2025 16:24

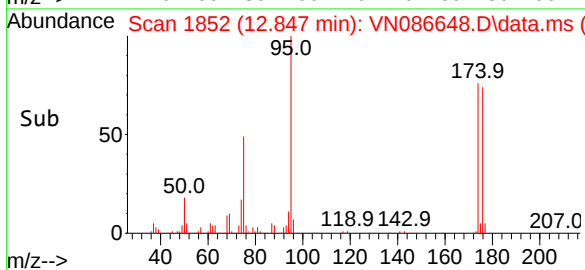
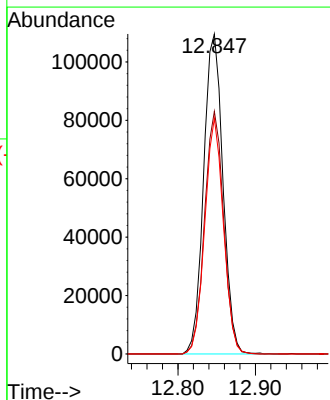
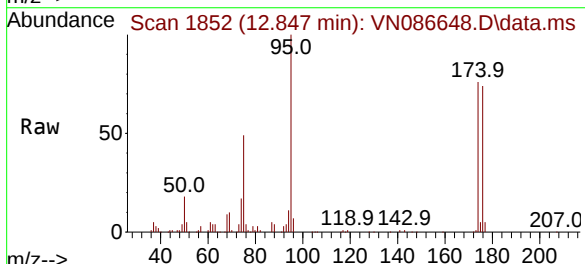
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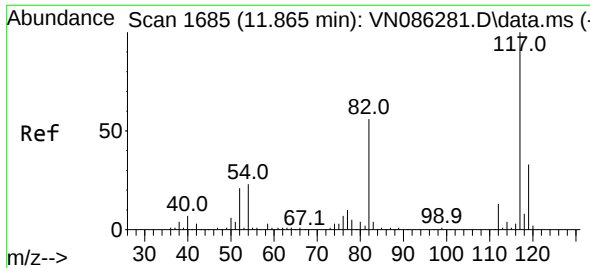
Tgt Ion: 98 Resp: 531417
Ion Ratio Lower Upper
98 100
100 65.5 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 50.715 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086648.D
Acq: 15 May 2025 16:24

Tgt Ion: 95 Resp: 189362
Ion Ratio Lower Upper
95 100
174 74.9 0.0 133.4
176 71.2 0.0 129.2

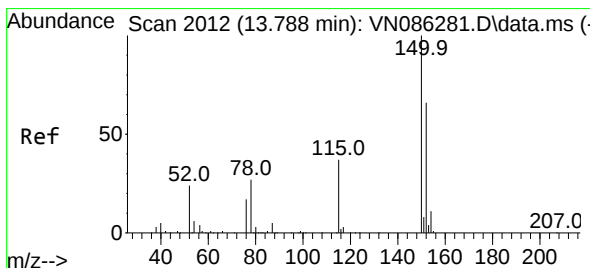
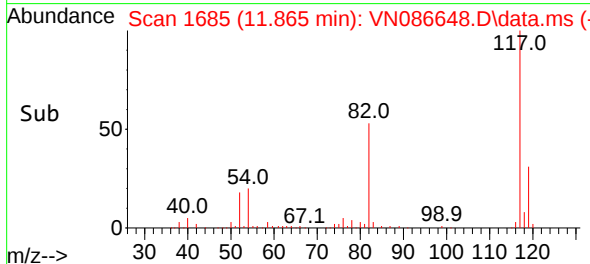
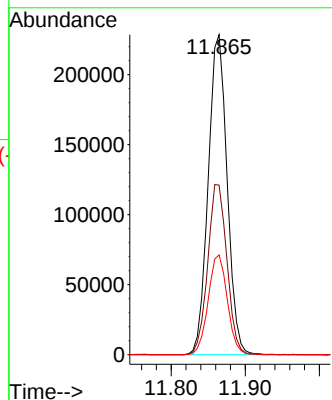
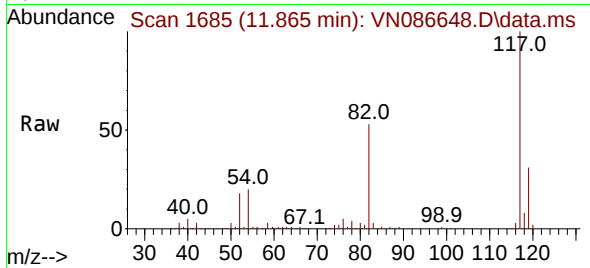




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN086648.D
Acq: 15 May 2025 16:24

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion:117 Resp: 404971
Ion Ratio Lower Upper
117 100
82 53.0 44.7 67.1
119 31.2 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: VN086648.D
Acq: 15 May 2025 16:24

Tgt Ion:152 Resp: 167716
Ion Ratio Lower Upper
152 100
115 60.1 31.9 95.9
150 160.0 0.0 352.0

