

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090825\
 Data File : VN087756.D
 Acq On : 08 Sep 2025 13:19
 Operator : JC\MD
 Sample : PB169581TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB169581TB

Quant Time: Sep 09 02:27:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

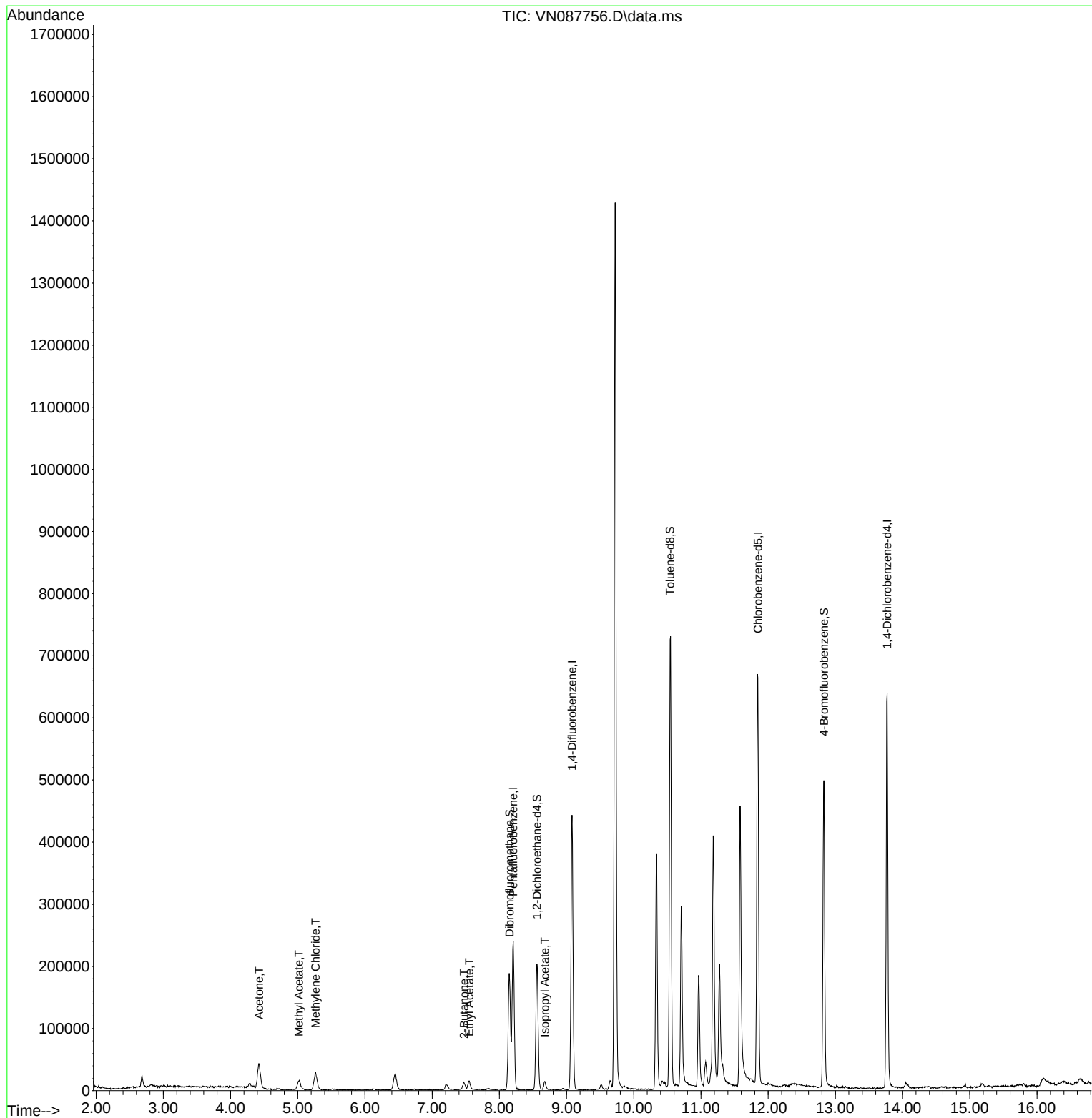
Internal Standards						
1) Pentafluorobenzene	8.206	168	159071	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	364907	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	362566	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	162501	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	170844	52.419	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 104.840%		
35) Dibromofluoromethane	8.153	113	134685	51.121	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 102.240%		
50) Toluene-d8	10.541	98	493261	50.022	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 100.040%		
62) 4-Bromofluorobenzene	12.829	95	173158	49.377	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 98.760%		
Target Compounds						
						Qvalue
16) Acetone	4.424	43	74590	42.042	ug/l	98
18) Methyl Acetate	5.018	43	34673	9.334	ug/l	99
20) Methylene Chloride	5.265	84	21733	7.411	ug/l	95
25) 2-Butanone	7.477	43	19818	8.490	ug/l #	86
37) Ethyl Acetate	7.553	43	22526	4.079	ug/l #	94
43) Isopropyl Acetate	8.677	43	16201	1.879	ug/l #	92

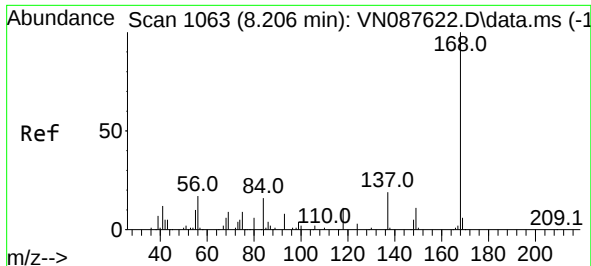
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

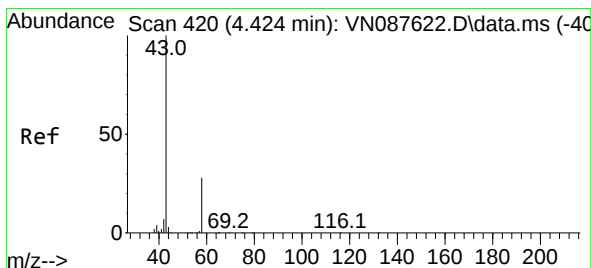
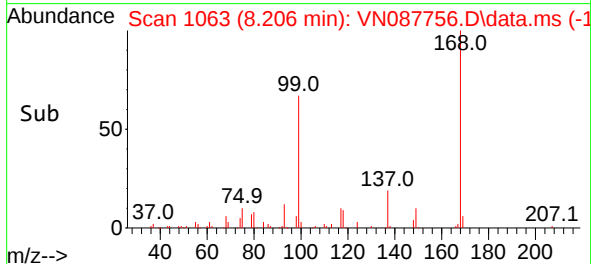
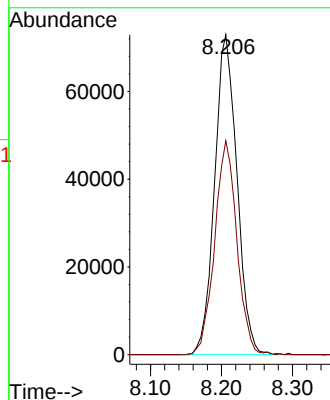
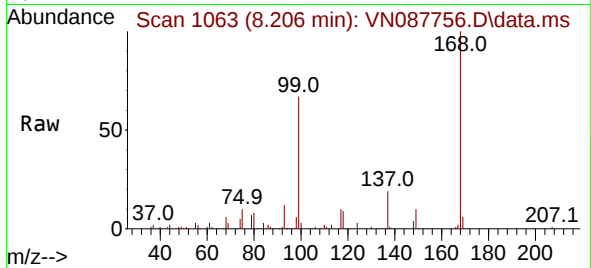




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087756.D
Acq: 08 Sep 2025 13:19

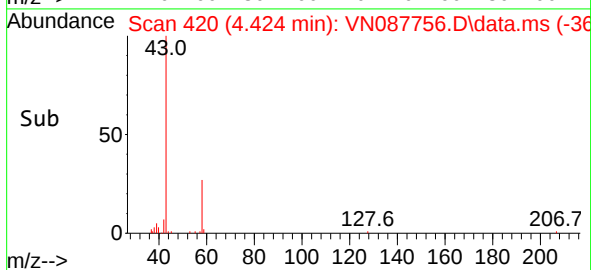
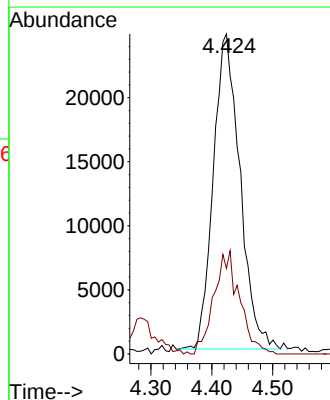
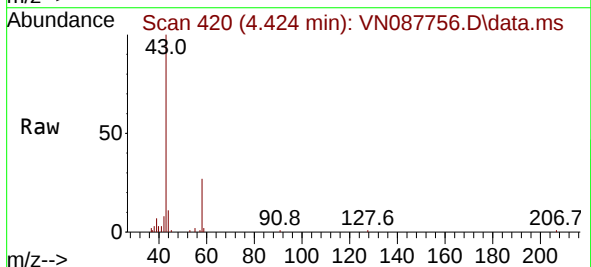
Instrument :
MSVOA_N
ClientSampleId :
PB169581TB

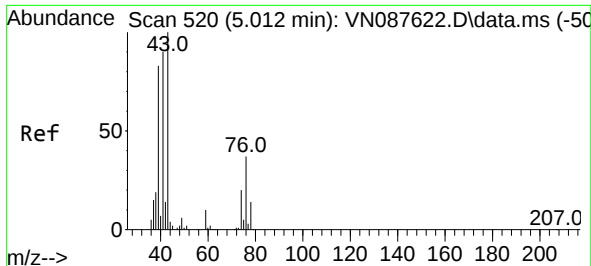
Tgt Ion:168 Resp: 159071
Ion Ratio Lower Upper
168 100
99 66.9 57.2 85.8



#16
Acetone
Concen: 42.042 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN087756.D
Acq: 08 Sep 2025 13:19

Tgt Ion: 43 Resp: 74590
Ion Ratio Lower Upper
43 100
58 27.1 22.6 33.8

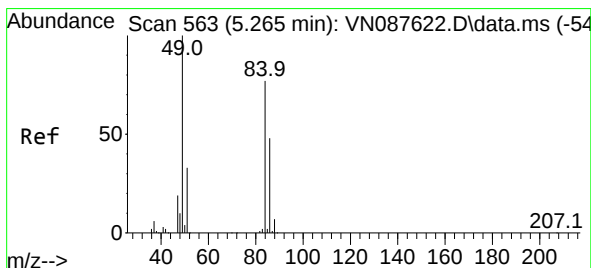
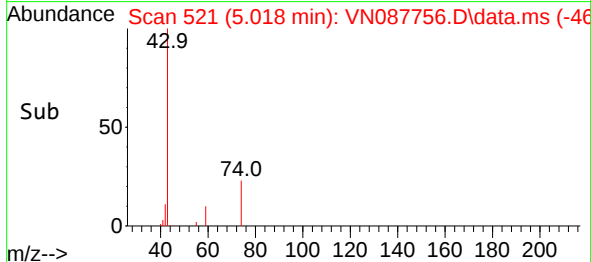
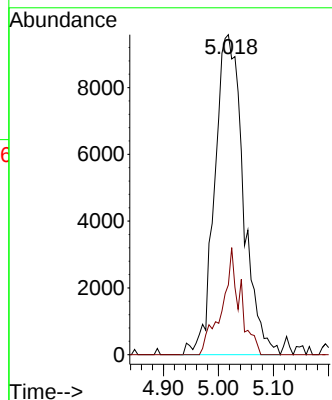
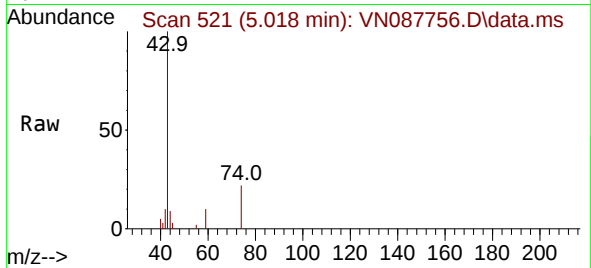




#18
Methyl Acetate
Concen: 9.334 ug/l
RT: 5.018 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN087756.D
Acq: 08 Sep 2025 13:19

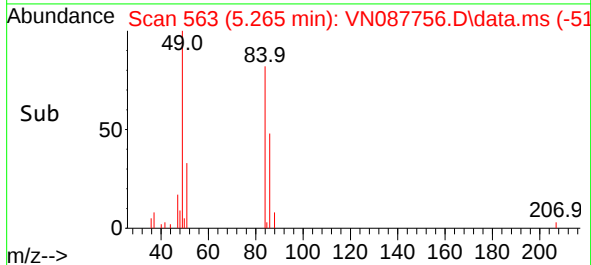
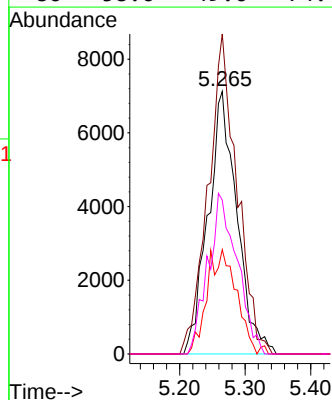
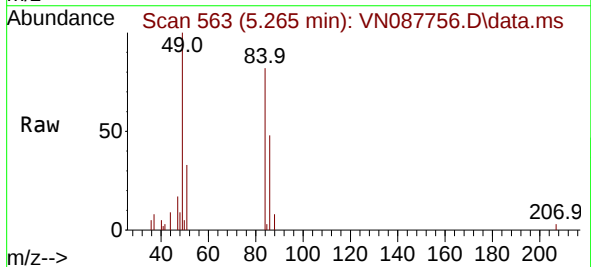
Instrument :
MSVOA_N
ClientSampleId :
PB169581TB

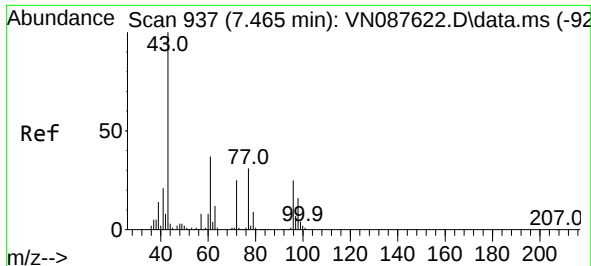
Tgt Ion: 43 Resp: 34673
Ion Ratio Lower Upper
43 100
74 21.7 17.6 26.4



#20
Methylene Chloride
Concen: 7.411 ug/l
RT: 5.265 min Scan# 563
Delta R.T. 0.000 min
Lab File: VN087756.D
Acq: 08 Sep 2025 13:19

Tgt Ion: 84 Resp: 21733
Ion Ratio Lower Upper
84 100
49 121.9 103.4 155.2
51 39.7 33.8 50.8
86 58.6 49.6 74.4

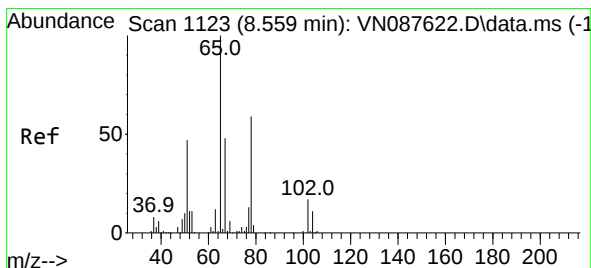
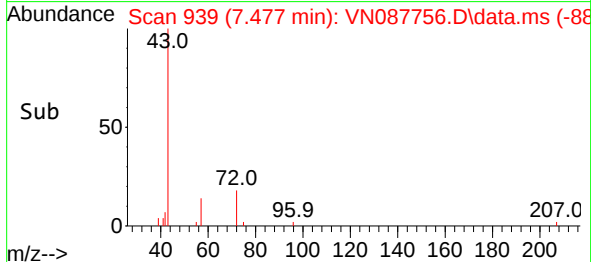
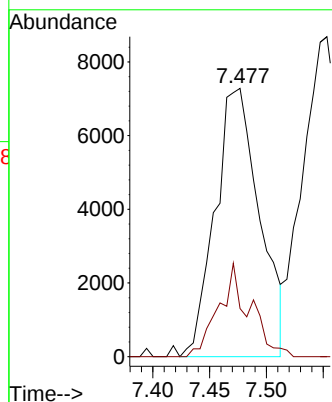
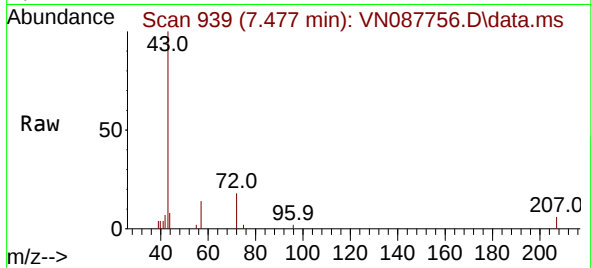




#25
2-Butanone
Concen: 8.490 ug/l
RT: 7.477 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN087756.D
Acq: 08 Sep 2025 13:19

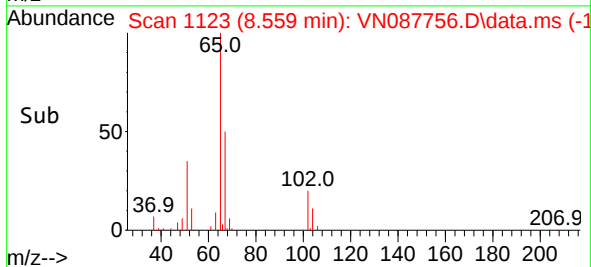
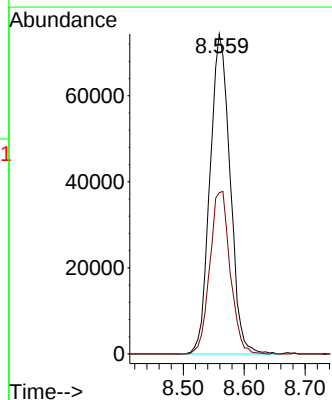
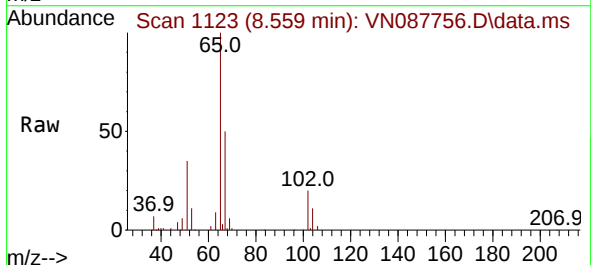
Instrument :
MSVOA_N
ClientSampleId :
PB169581TB

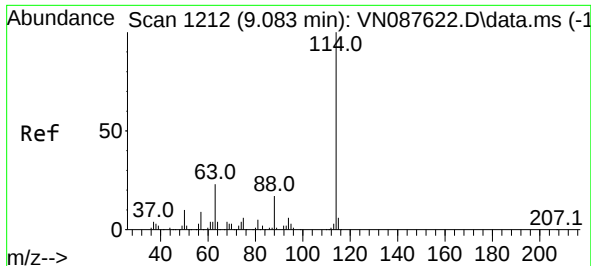
Tgt Ion: 43 Resp: 19818
Ion Ratio Lower Upper
43 100
72 17.9 19.9 29.9#



#33
1,2-Dichloroethane-d4
Concen: 52.419 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087756.D
Acq: 08 Sep 2025 13:19

Tgt Ion: 65 Resp: 170844
Ion Ratio Lower Upper
65 100
67 51.4 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087756.D

Acq: 08 Sep 2025 13:19

Instrument :

MSVOA_N

ClientSampleId :

PB169581TB

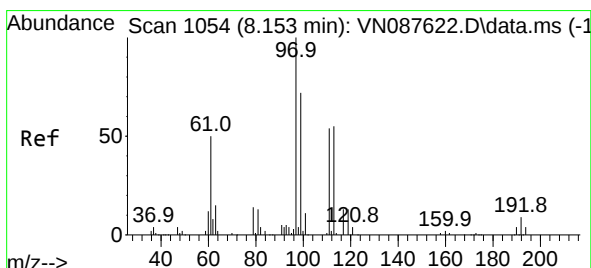
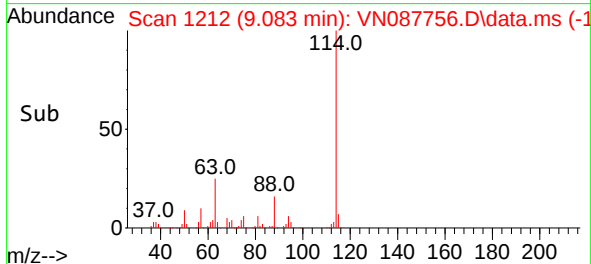
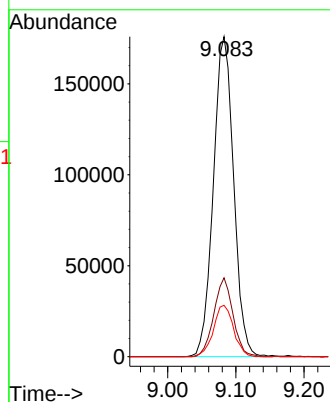
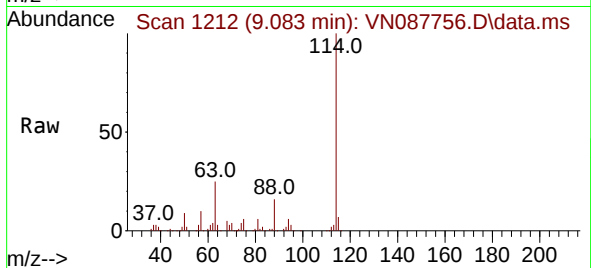
Tgt Ion:114 Resp: 364907

Ion Ratio Lower Upper

114 100

63 24.6 0.0 45.2

88 16.0 0.0 33.4



#35

Dibromofluoromethane

Concen: 51.121 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. -0.000 min

Lab File: VN087756.D

Acq: 08 Sep 2025 13:19

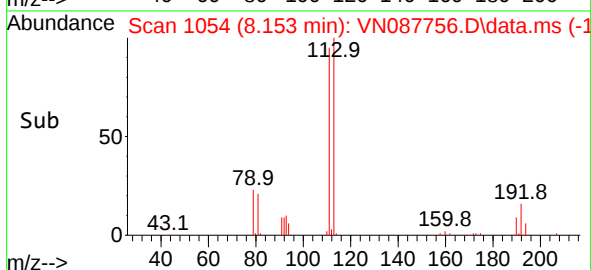
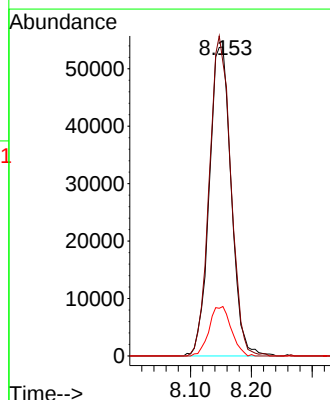
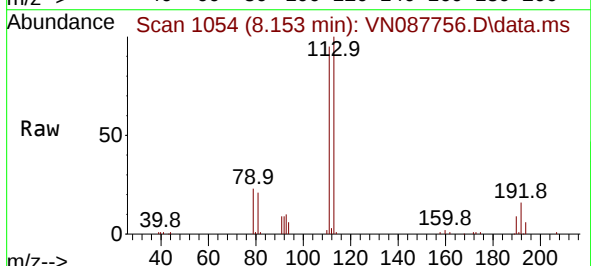
Tgt Ion:113 Resp: 134685

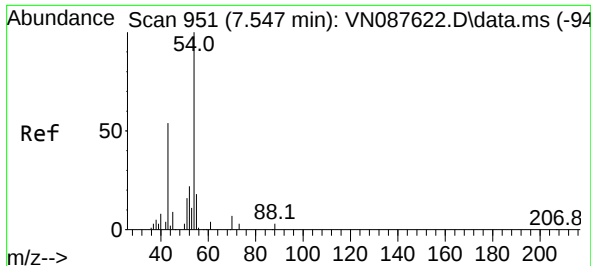
Ion Ratio Lower Upper

113 100

111 101.4 82.8 124.2

192 16.1 12.8 19.2





#37

Ethyl Acetate

Concen: 4.079 ug/l

RT: 7.553 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN087756.D

Acq: 08 Sep 2025 13:19

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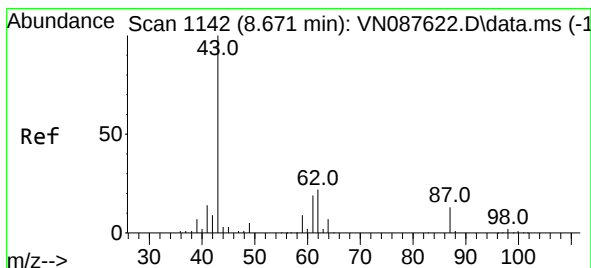
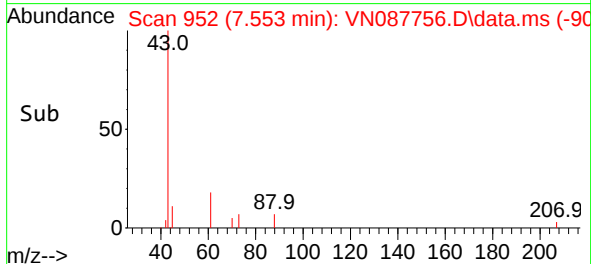
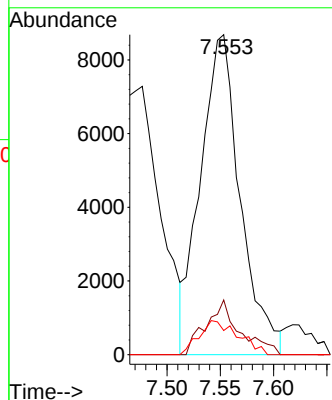
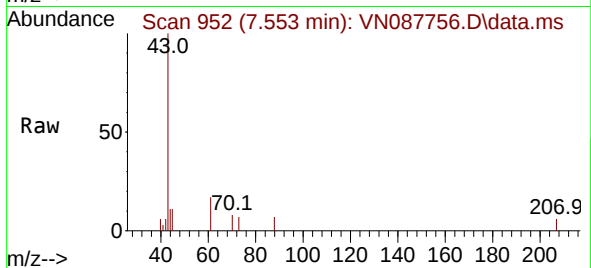
Tgt Ion: 43 Resp: 22526

Ion Ratio Lower Upper

43 100

61 14.6 9.3 13.9#

70 10.5 7.0 10.6



#43

Isopropyl Acetate

Concen: 1.879 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN087756.D

Acq: 08 Sep 2025 13:19

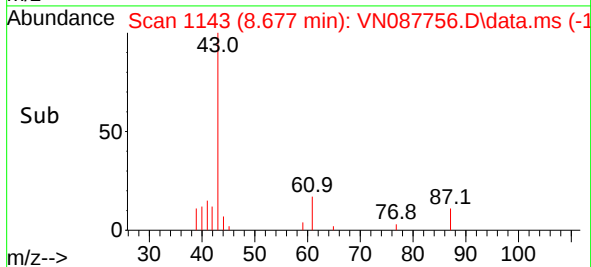
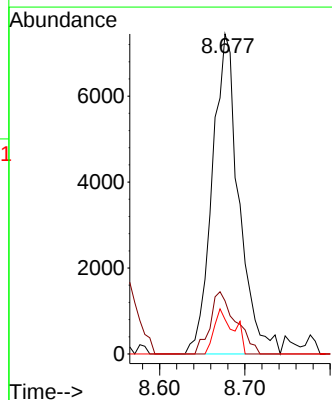
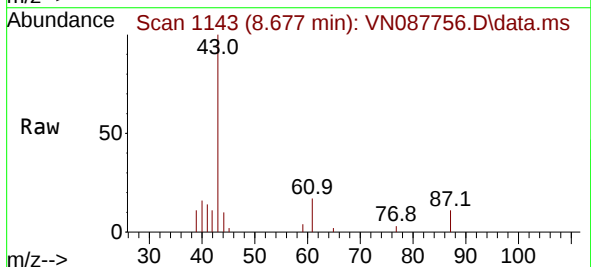
Tgt Ion: 43 Resp: 16201

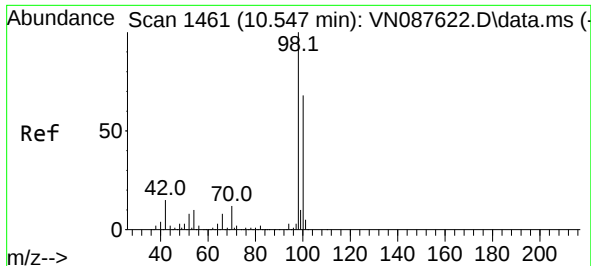
Ion Ratio Lower Upper

43 100

61 18.8 18.8 28.2#

87 10.2 9.6 14.4

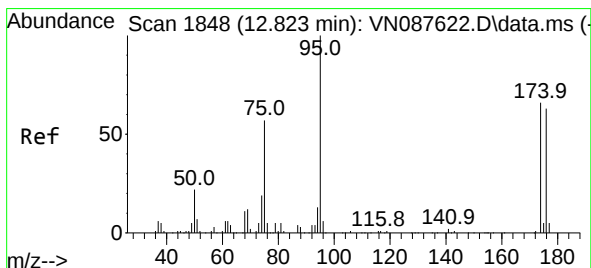
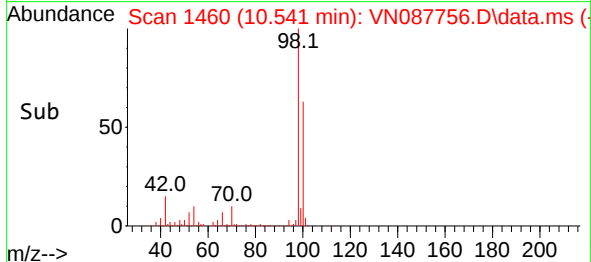
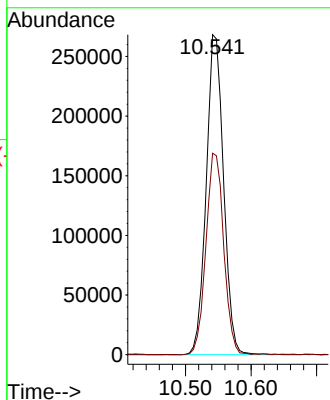
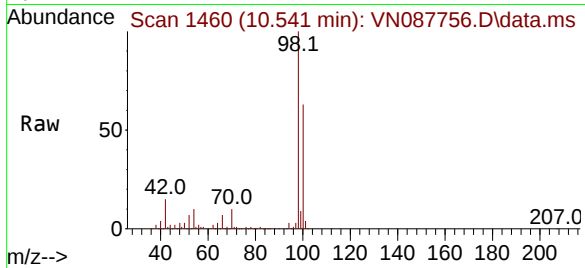




#50
Toluene-d8
Concen: 50.022 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN087756.D
Acq: 08 Sep 2025 13:19

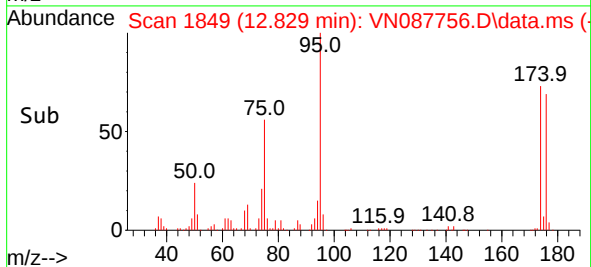
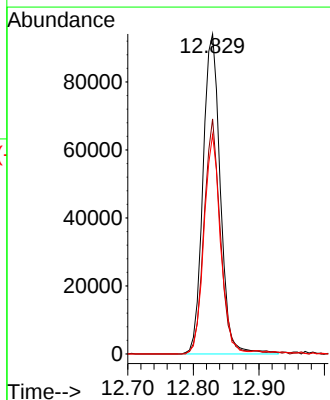
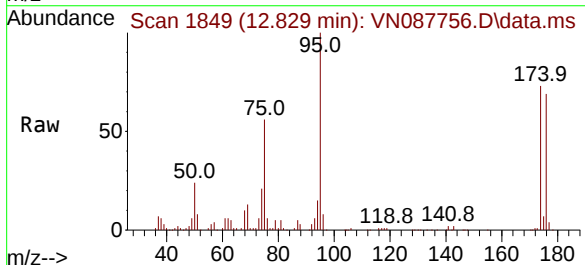
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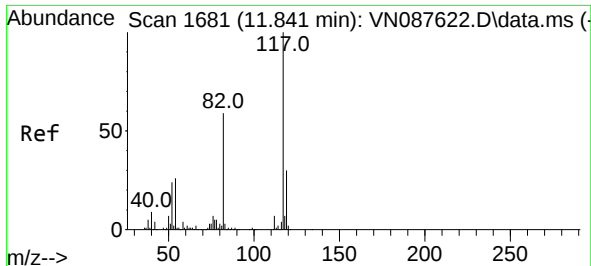
Tgt Ion: 98 Resp: 493261
Ion Ratio Lower Upper
98 100
100 64.6 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 49.377 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087756.D
Acq: 08 Sep 2025 13:19

Tgt Ion: 95 Resp: 173158
Ion Ratio Lower Upper
95 100
174 69.5 0.0 138.4
176 65.5 0.0 132.6

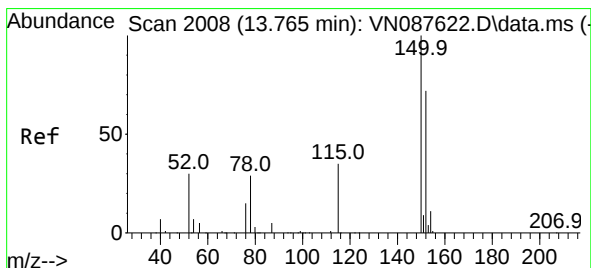
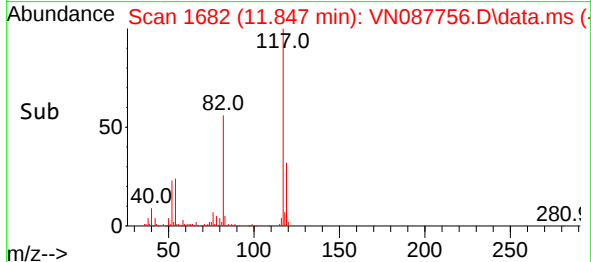
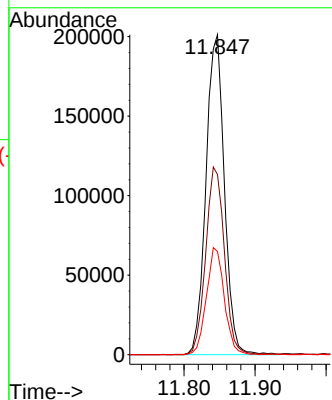
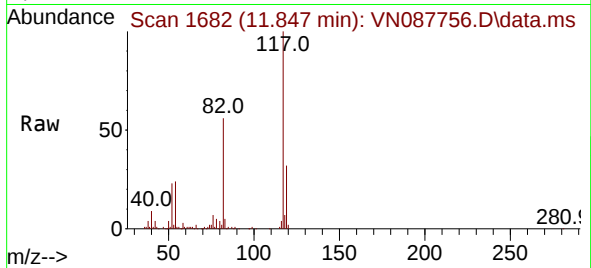




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN087756.D
Acq: 08 Sep 2025 13:19

Instrument :
MSVOA_N
ClientSampleId :
PB169581TB

Tgt Ion:117 Resp: 362566
Ion Ratio Lower Upper
117 100
82 56.2 47.4 71.2
119 32.2 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087756.D
Acq: 08 Sep 2025 13:19

Tgt Ion:152 Resp: 162501
Ion Ratio Lower Upper
152 100
115 63.5 32.3 96.8
150 160.8 0.0 351.0

