

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081225\
 Data File : VN087507.D
 Acq On : 12 Aug 2025 12:37
 Operator : JC\MD
 Sample : PB169201TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB169201TB

Quant Time: Aug 13 03:02:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

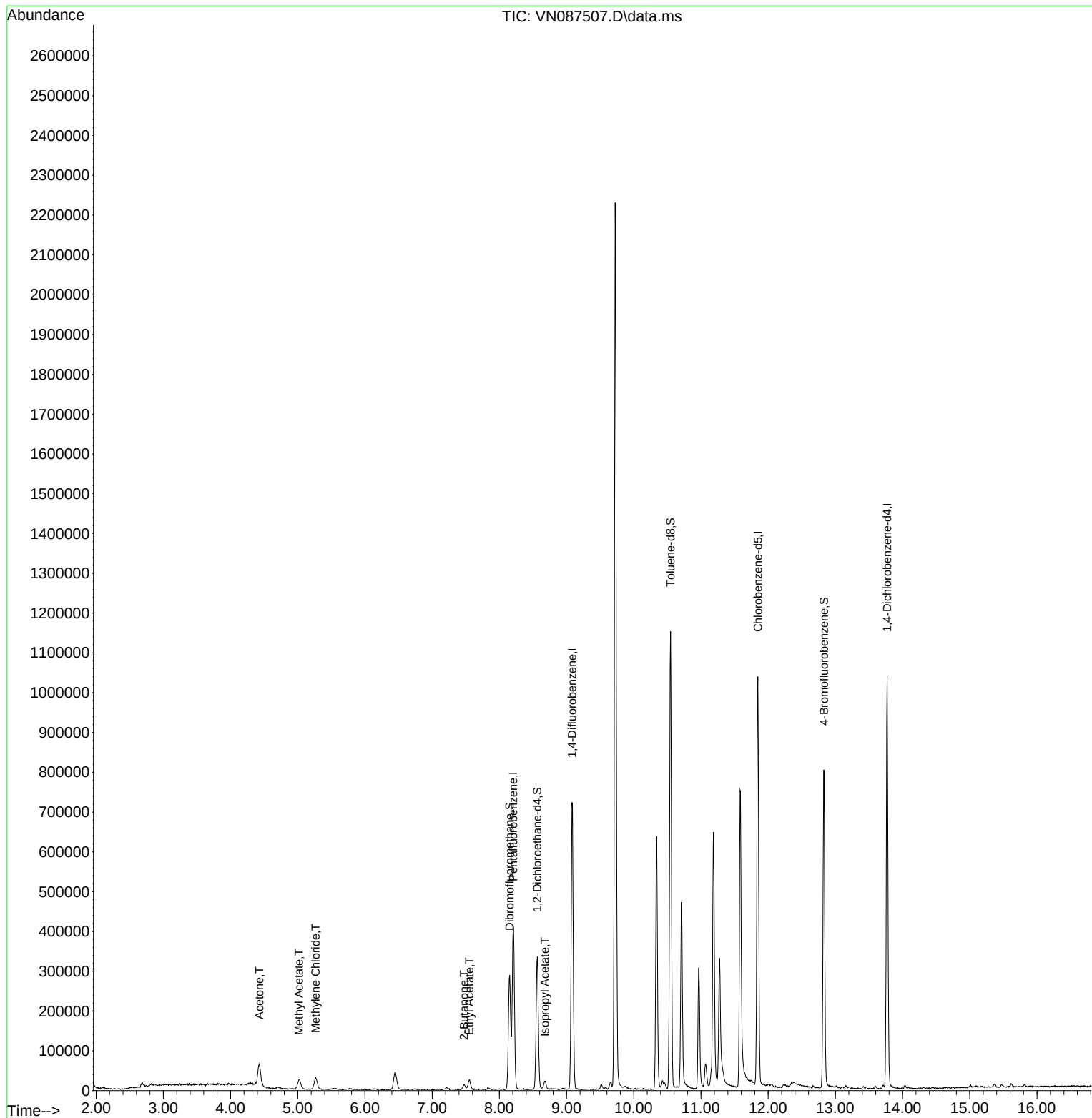
Internal Standards						
1) Pentafluorobenzene	8.206	168	276918	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	597341	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	564783	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	256677	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	286552	60.985	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 121.980%		
35) Dibromofluoromethane	8.153	113	203698	49.436	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 98.880%		
50) Toluene-d8	10.547	98	770879	52.447	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 104.900%		
62) 4-Bromofluorobenzene	12.829	95	279913	51.547	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 103.100%		
Target Compounds						
						Qvalue
16) Acetone	4.430	43	102634	46.586	ug/l	100
18) Methyl Acetate	5.018	43	55221	9.977	ug/l #	77
20) Methylene Chloride	5.265	84	22904	5.581	ug/l	90
25) 2-Butanone	7.477	43	19020	5.588	ug/l #	81
37) Ethyl Acetate	7.553	43	37175	4.728	ug/l	97
43) Isopropyl Acetate	8.677	43	27464	2.250	ug/l #	87

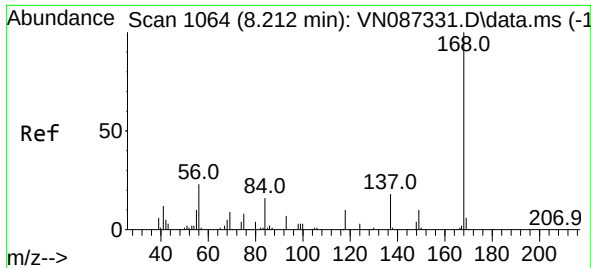
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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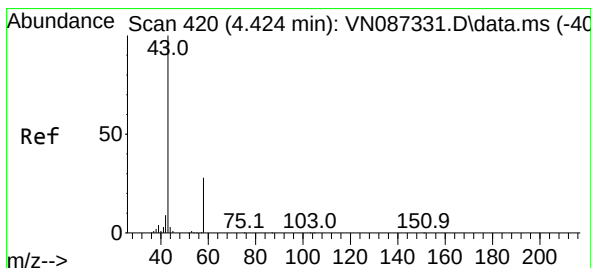
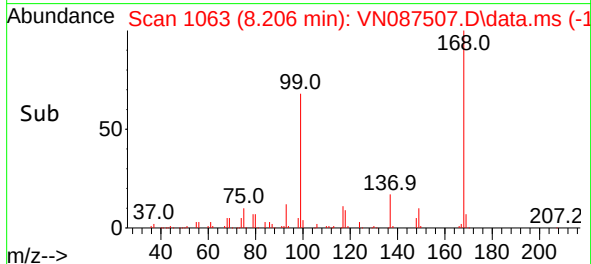
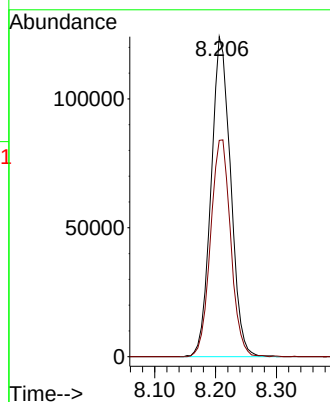
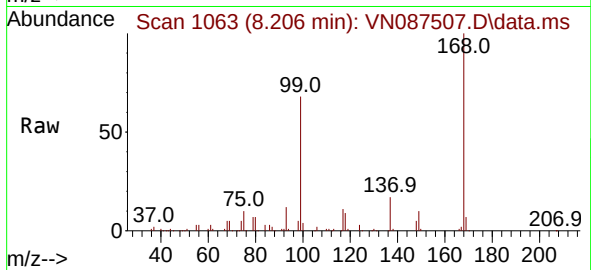




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.006 min
Lab File: VN087507.D
Acq: 12 Aug 2025 12:37

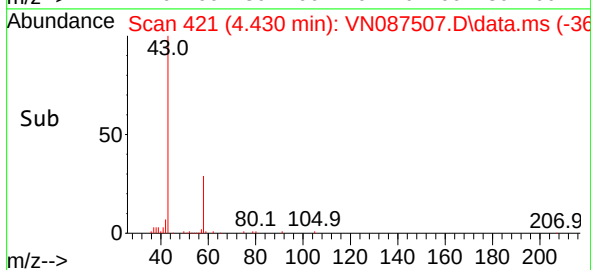
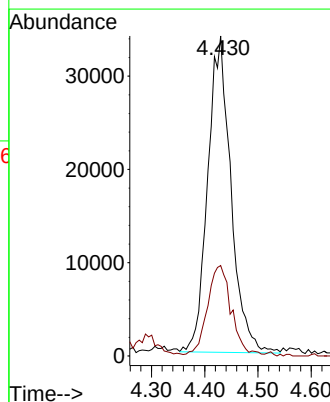
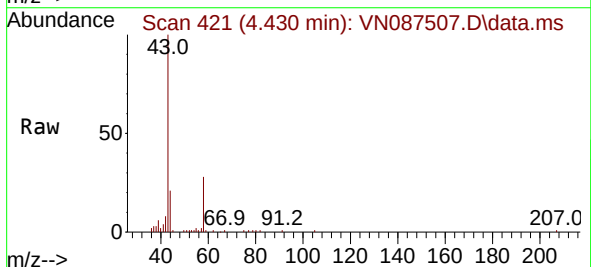
Instrument :
MSVOA_N
ClientSampleId :
PB169201TB

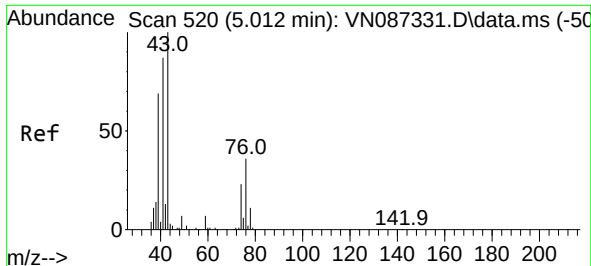
Tgt Ion:168 Resp: 276918
Ion Ratio Lower Upper
168 100
99 67.6 47.9 71.9



#16
Acetone
Concen: 46.586 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN087507.D
Acq: 12 Aug 2025 12:37

Tgt Ion: 43 Resp: 102634
Ion Ratio Lower Upper
43 100
58 28.0 22.3 33.5

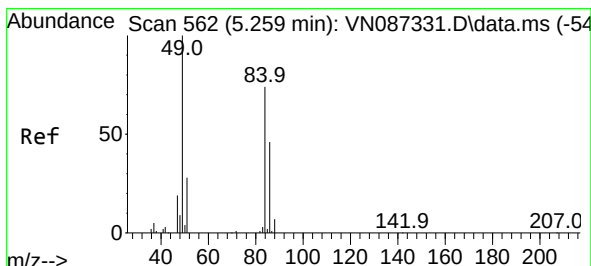
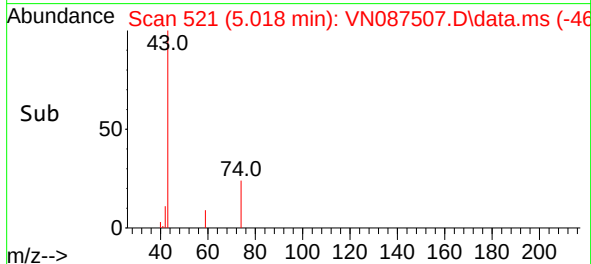
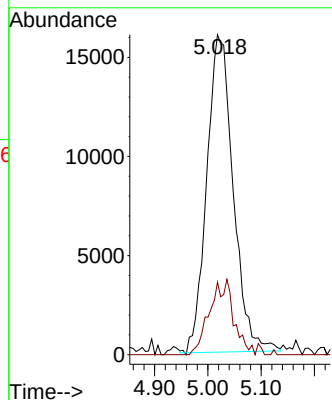
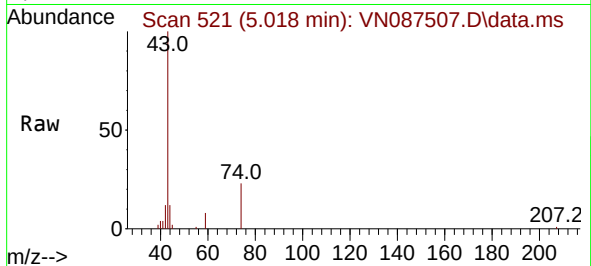




#18
Methyl Acetate
Concen: 9.977 ug/l
RT: 5.018 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN087507.D
Acq: 12 Aug 2025 12:37

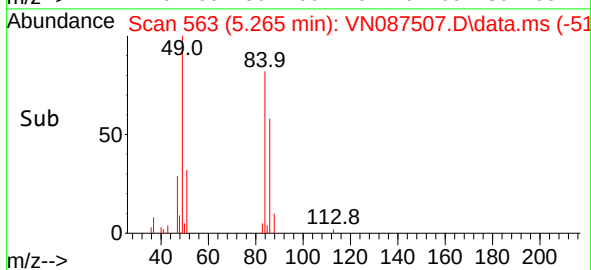
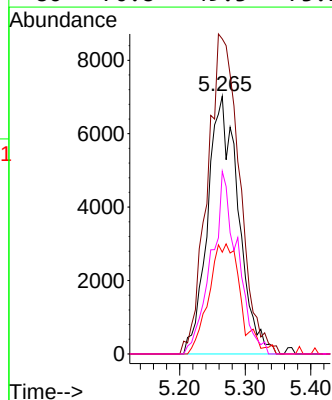
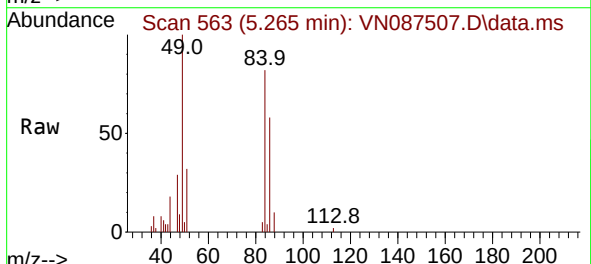
Instrument :
MSVOA_N
ClientSampleId :
PB169201TB

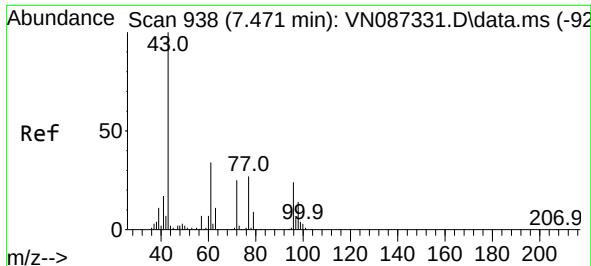
Tgt Ion: 43 Resp: 55221
Ion Ratio Lower Upper
43 100
74 11.3 17.8 26.6#



#20
Methylene Chloride
Concen: 5.581 ug/l
RT: 5.265 min Scan# 563
Delta R.T. 0.006 min
Lab File: VN087507.D
Acq: 12 Aug 2025 12:37

Tgt Ion: 84 Resp: 22904
Ion Ratio Lower Upper
84 100
49 122.2 107.5 161.3
51 39.4 30.2 45.2
86 70.8 49.3 73.9

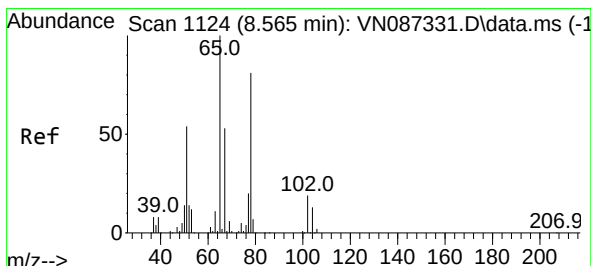
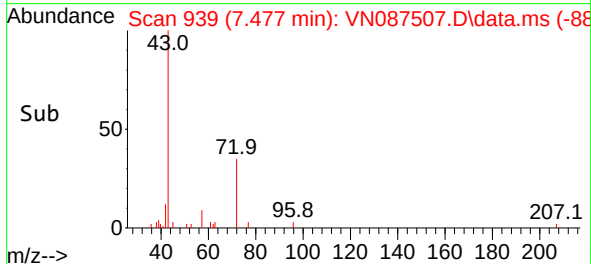
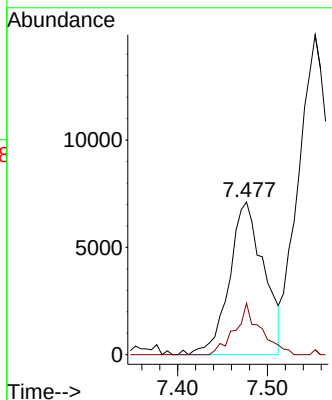
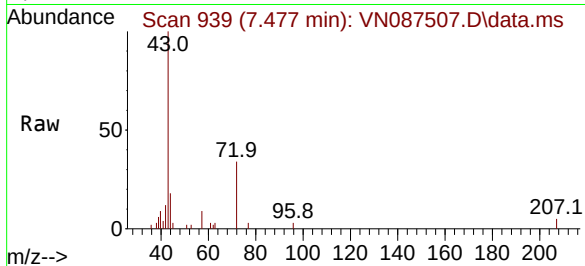




#25
2-Butanone
Concen: 5.588 ug/l
RT: 7.477 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN087507.D
Acq: 12 Aug 2025 12:37

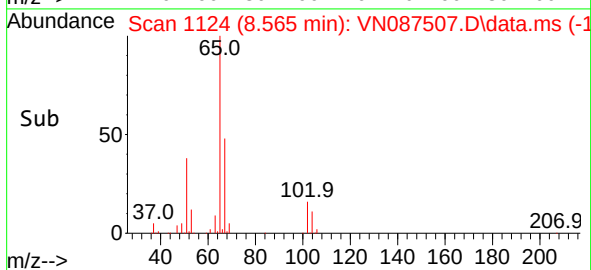
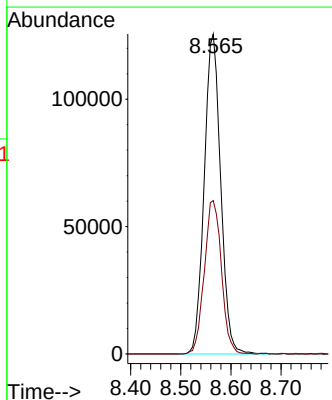
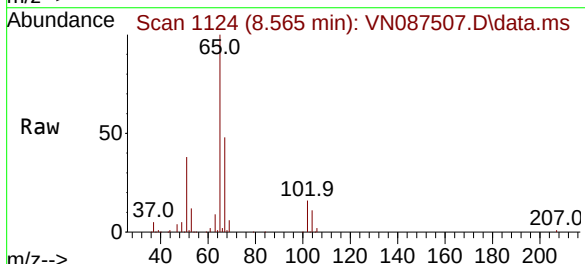
Instrument :
MSVOA_N
ClientSampleId :
PB169201TB

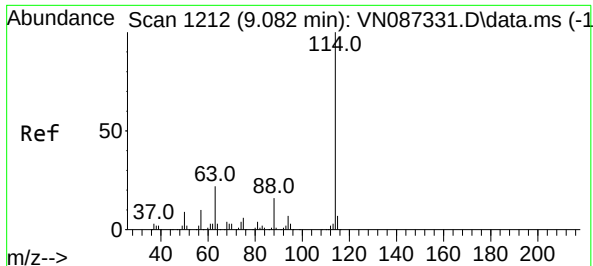
Tgt Ion: 43 Resp: 19020
Ion Ratio Lower Upper
43 100
72 33.8 19.6 29.4#



#33
1,2-Dichloroethane-d4
Concen: 60.985 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087507.D
Acq: 12 Aug 2025 12:37

Tgt Ion: 65 Resp: 286552
Ion Ratio Lower Upper
65 100
67 49.8 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087507.D

Acq: 12 Aug 2025 12:37

Instrument :

MSVOA_N

ClientSampleId :

PB169201TB

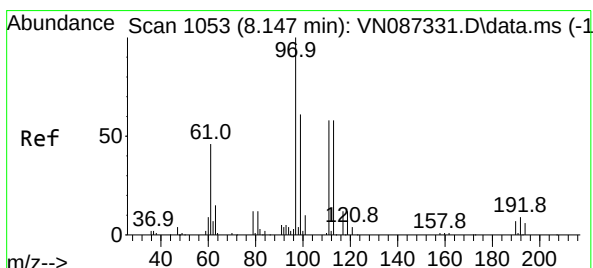
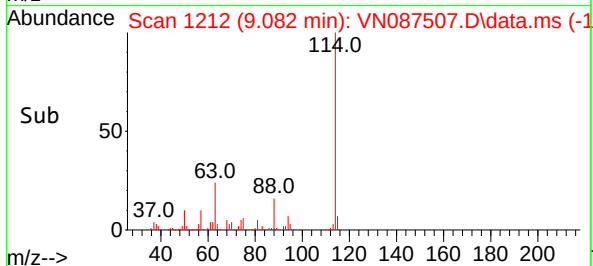
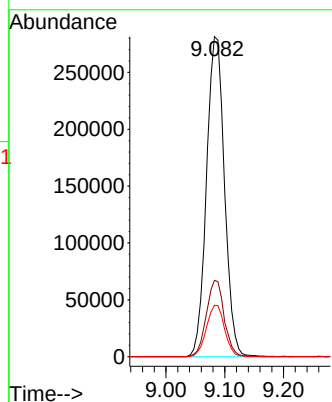
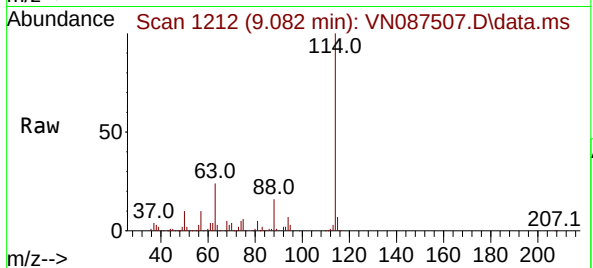
Tgt Ion:114 Resp: 597341

Ion Ratio Lower Upper

114 100

63 23.8 0.0 44.6

88 16.1 0.0 32.8



#35

Dibromofluoromethane

Concen: 49.436 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087507.D

Acq: 12 Aug 2025 12:37

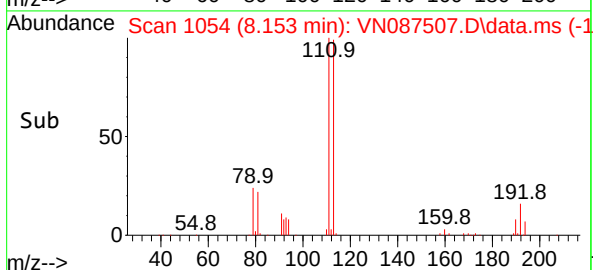
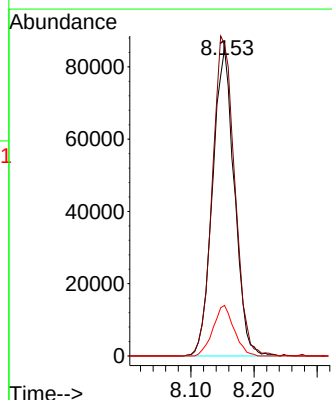
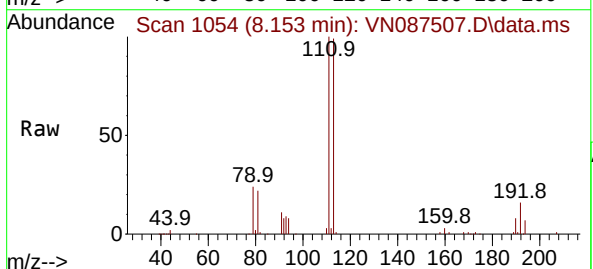
Tgt Ion:113 Resp: 203698

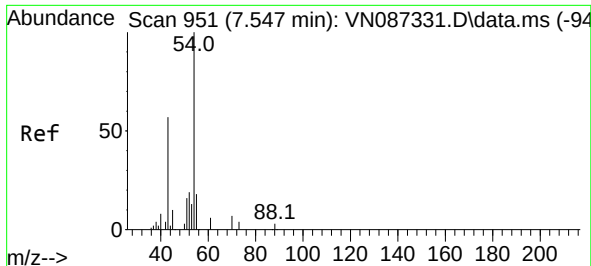
Ion Ratio Lower Upper

113 100

111 106.5 82.5 123.7

192 15.9 13.7 20.5

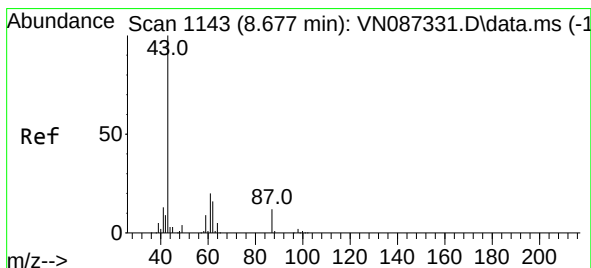
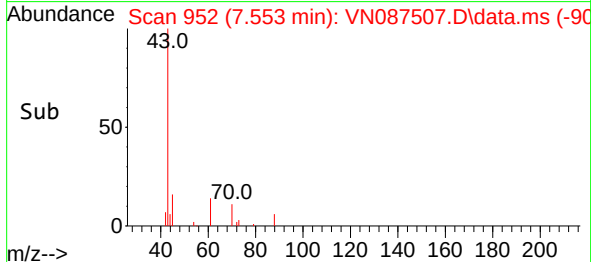
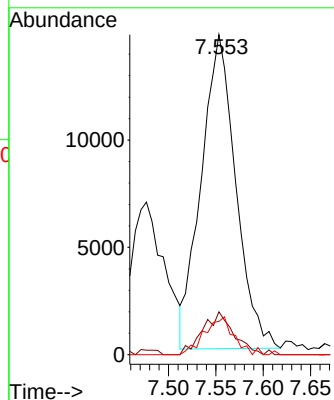
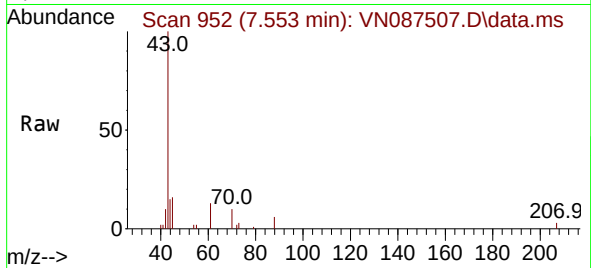




#37
Ethyl Acetate
Concen: 4.728 ug/l
RT: 7.553 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN087507.D
Acq: 12 Aug 2025 12:37

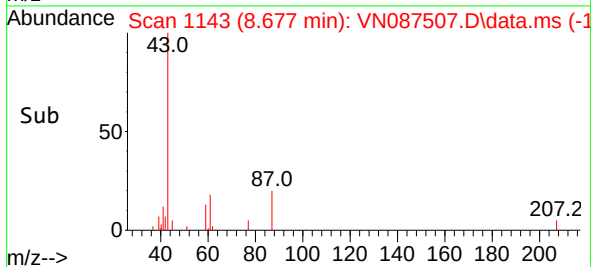
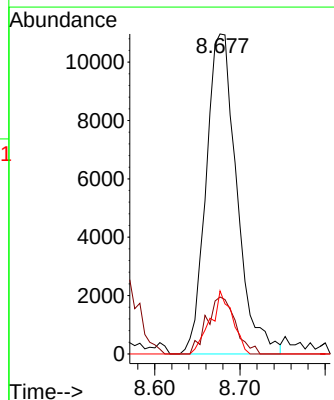
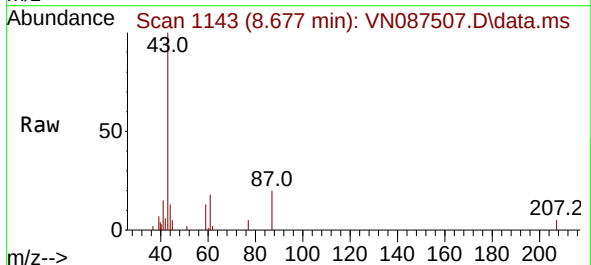
Instrument :
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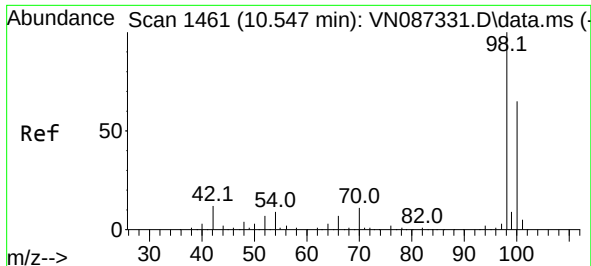
Tgt Ion: 43 Resp: 37175
Ion Ratio Lower Upper
43 100
61 12.1 10.9 16.3
70 10.2 7.4 11.0



#43
Isopropyl Acetate
Concen: 2.250 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN087507.D
Acq: 12 Aug 2025 12:37

Tgt Ion: 43 Resp: 27464
Ion Ratio Lower Upper
43 100
61 16.5 19.8 29.8#
87 14.1 9.8 14.6

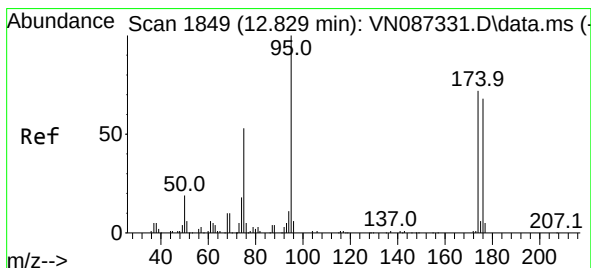
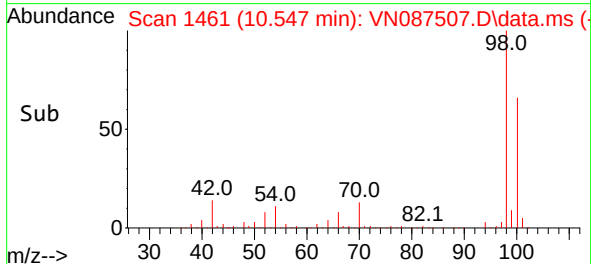
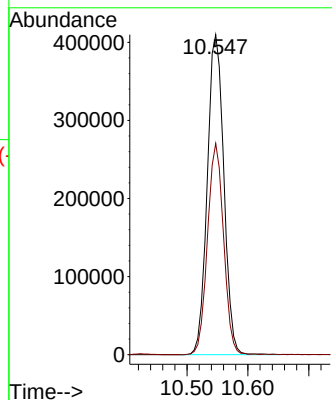
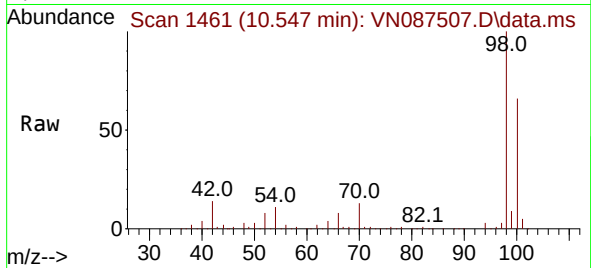




#50
Toluene-d8
Concen: 52.447 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087507.D
Acq: 12 Aug 2025 12:37

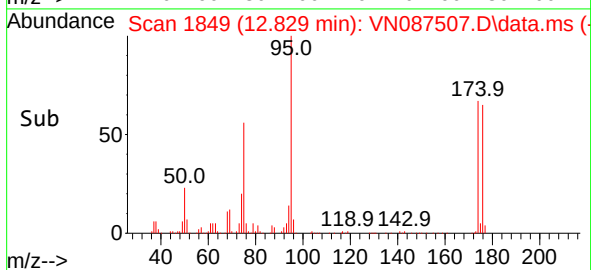
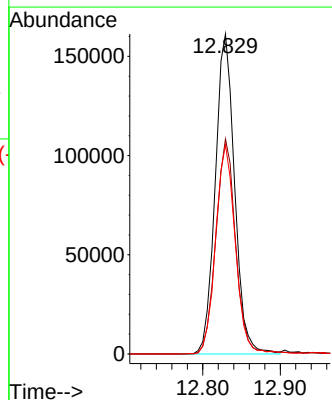
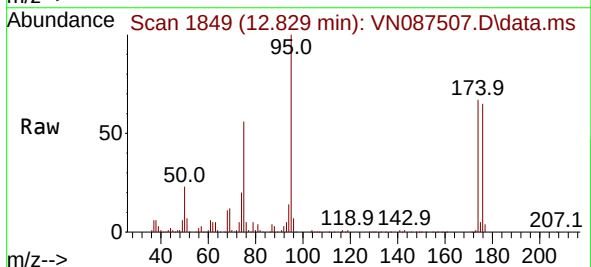
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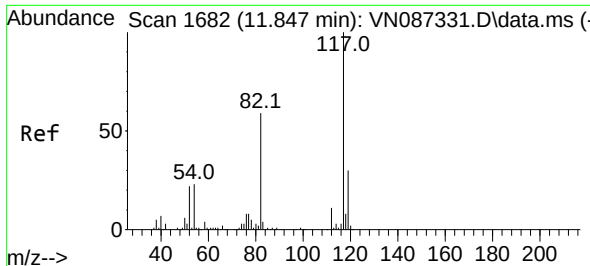
Tgt Ion: 98 Resp: 770879
Ion Ratio Lower Upper
98 100
100 64.2 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 51.547 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087507.D
Acq: 12 Aug 2025 12:37

Tgt Ion: 95 Resp: 279913
Ion Ratio Lower Upper
95 100
174 68.3 0.0 149.4
176 66.7 0.0 141.2

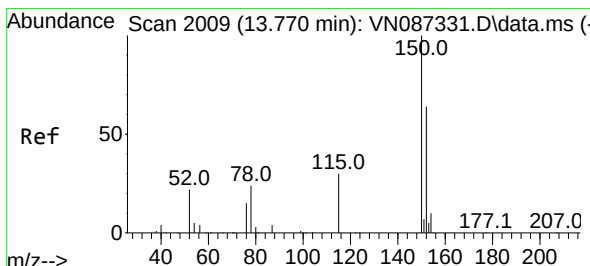
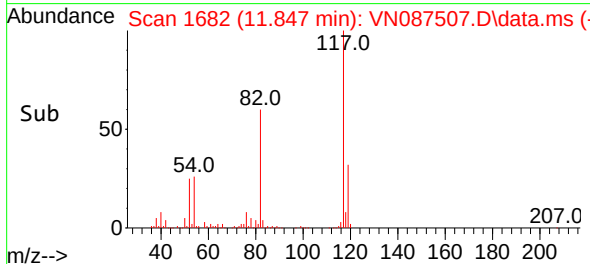
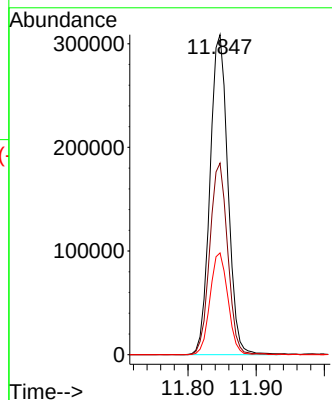
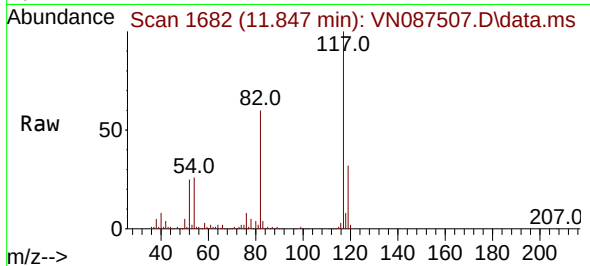




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN087507.D
Acq: 12 Aug 2025 12:37

Instrument :
MSVOA_N
ClientSampleId :
PB169201TB

Tgt Ion:117 Resp: 564783
Ion Ratio Lower Upper
117 100
82 59.9 47.4 71.2
119 31.8 23.8 35.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087507.D
Acq: 12 Aug 2025 12:37

Tgt Ion:152 Resp: 256677
Ion Ratio Lower Upper
152 100
115 64.3 31.1 93.5
150 158.1 0.0 349.0

