

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
 Data File : VN087548.D
 Acq On : 13 Aug 2025 20:02
 Operator : JC\MD
 Sample : Q2838-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-11

Quant Time: Aug 14 04:08:15 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)

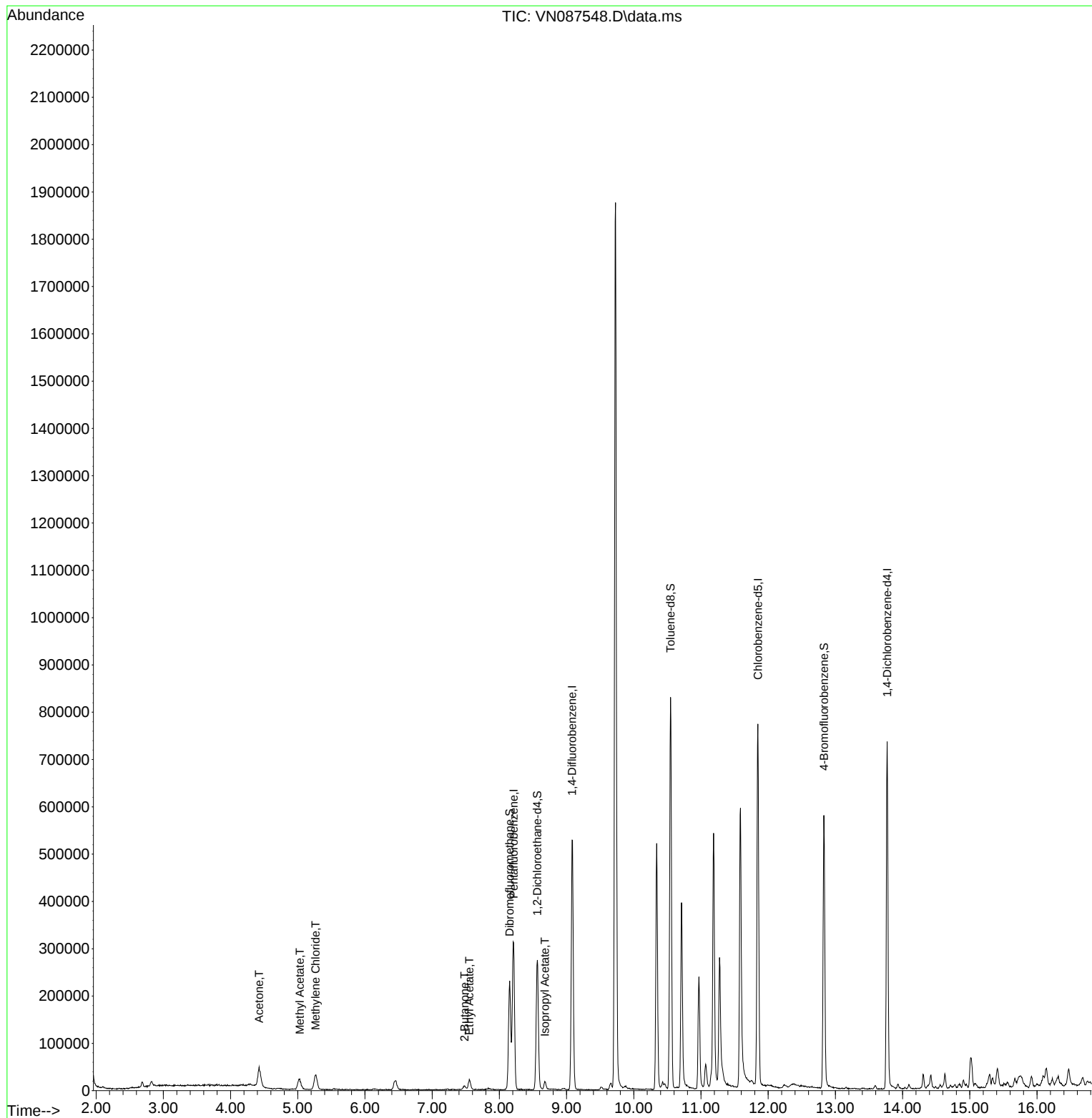
Internal Standards						
1) Pentafluorobenzene	8.212	168	210108	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.082	114	434746	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	407444	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	183460	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	236754	66.409	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 132.820%#		
35) Dibromofluoromethane	8.153	113	156353	52.137	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 104.280%		
50) Toluene-d8	10.547	98	549864	51.402	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 102.800%		
62) 4-Bromofluorobenzene	12.829	95	205059	51.885	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 103.780%		
Target Compounds						
						Qvalue
16) Acetone	4.424	43	74565	44.608	ug/l	95
18) Methyl Acetate	5.030	43	48119	11.458	ug/l	100
20) Methylene Chloride	5.265	84	23442	7.755	ug/l	88
25) 2-Butanone	7.483	43	13522	5.236	ug/l	# 74
37) Ethyl Acetate	7.553	43	33260	5.813	ug/l	99
43) Isopropyl Acetate	8.677	43	21462	2.416	ug/l	# 87

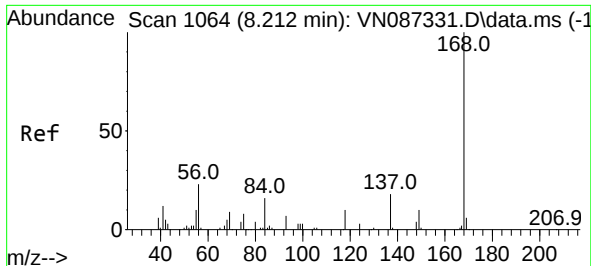
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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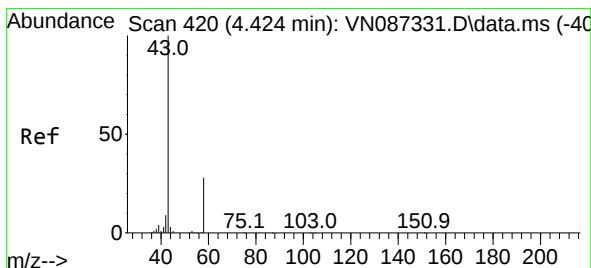
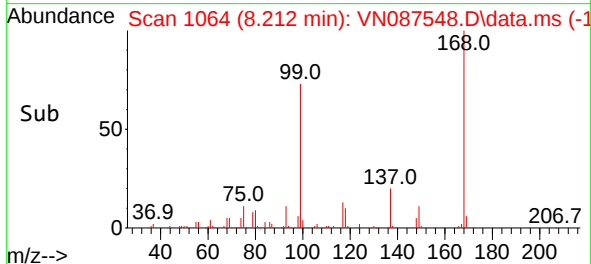
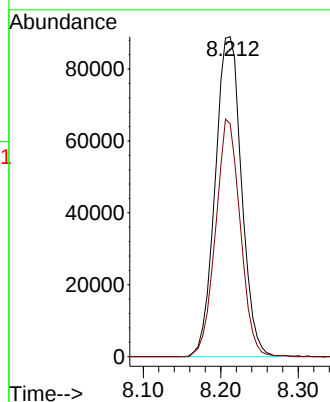
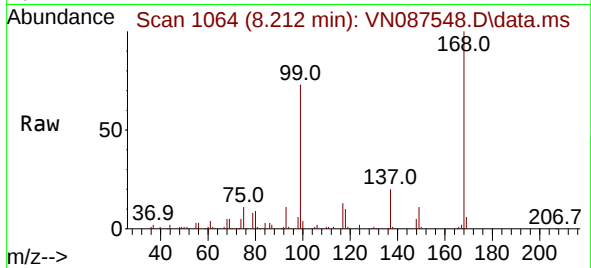




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087548.D
Acq: 13 Aug 2025 20:02

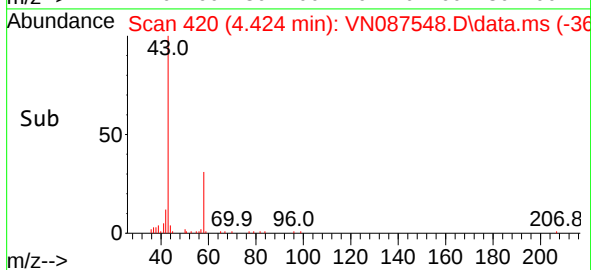
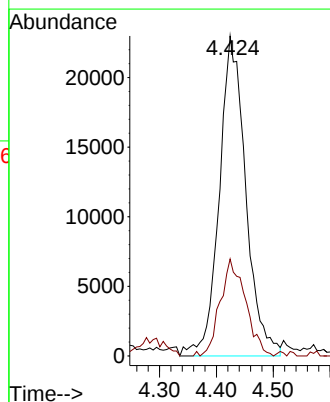
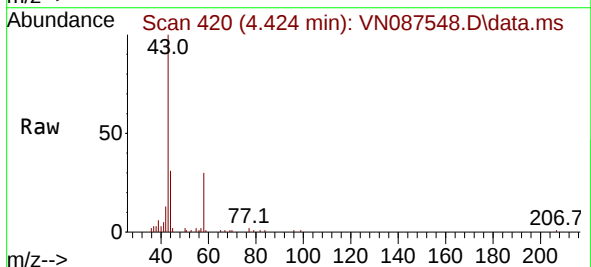
Instrument :
MSVOA_N
ClientSampleId :
TP-11

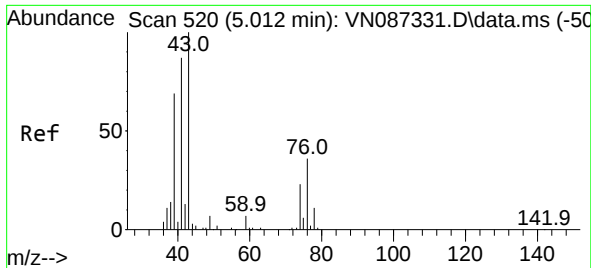
Tgt Ion:168 Resp: 210108
Ion Ratio Lower Upper
168 100
99 72.8 47.9 71.9#



#16
Acetone
Concen: 44.608 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN087548.D
Acq: 13 Aug 2025 20:02

Tgt Ion: 43 Resp: 74565
Ion Ratio Lower Upper
43 100
58 30.3 22.3 33.5

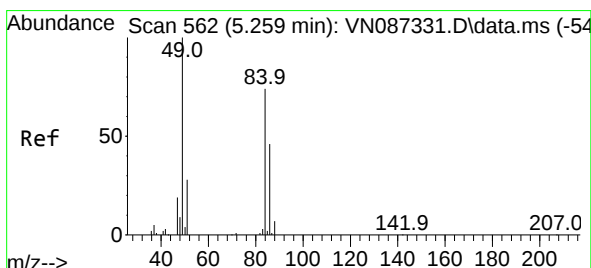
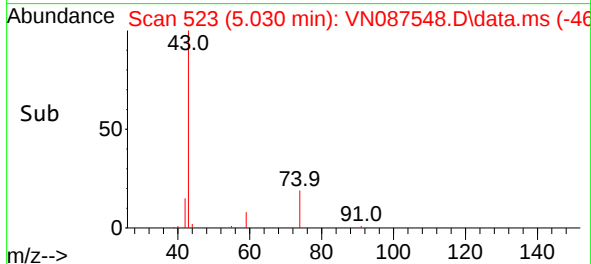
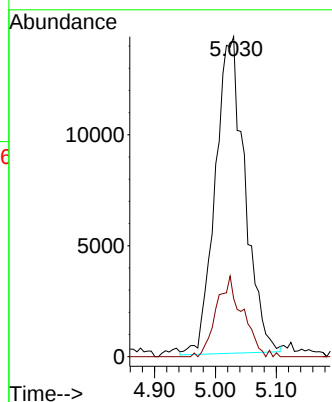
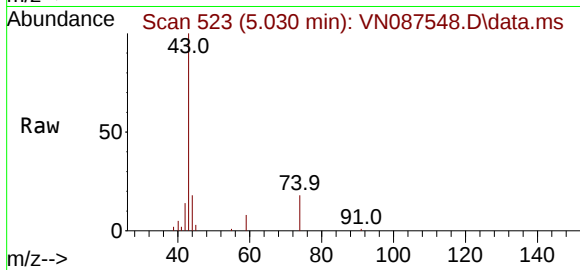




#18
Methyl Acetate
Concen: 11.458 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN087548.D
Acq: 13 Aug 2025 20:02

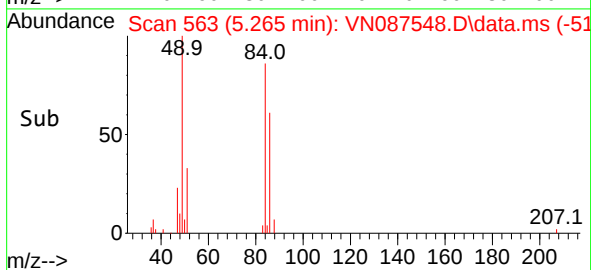
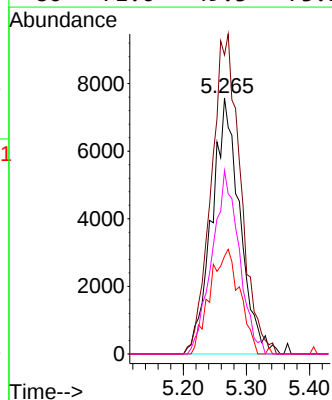
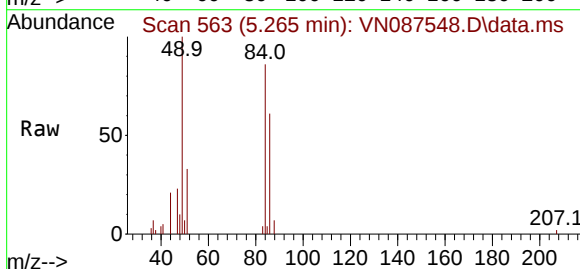
Instrument :
MSVOA_N
ClientSampleId :
TP-11

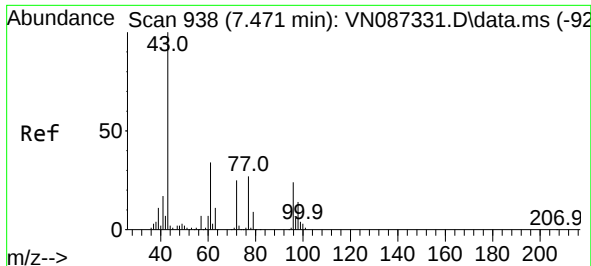
Tgt Ion: 43 Resp: 48119
Ion Ratio Lower Upper
43 100
74 22.3 17.8 26.6



#20
Methylene Chloride
Concen: 7.755 ug/l
RT: 5.265 min Scan# 563
Delta R.T. 0.006 min
Lab File: VN087548.D
Acq: 13 Aug 2025 20:02

Tgt Ion: 84 Resp: 23442
Ion Ratio Lower Upper
84 100
49 116.8 107.5 161.3
51 38.2 30.2 45.2
86 71.6 49.3 73.9

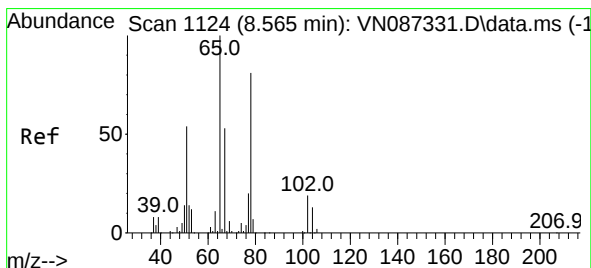
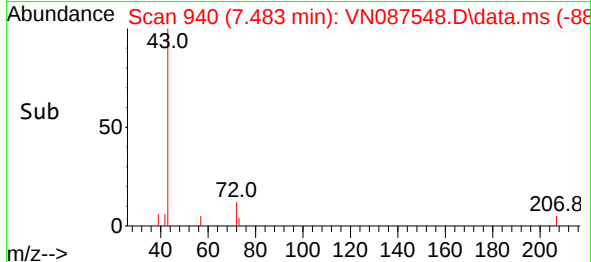
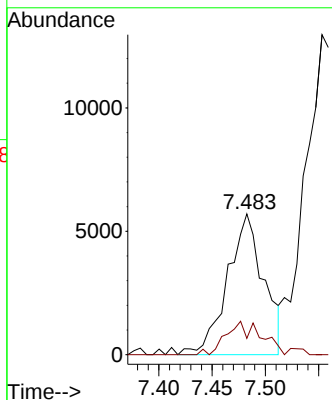
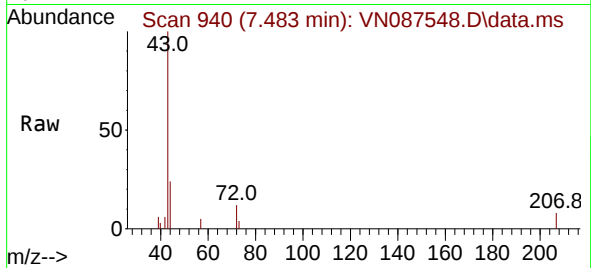




#25
2-Butanone
Concen: 5.236 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN087548.D
Acq: 13 Aug 2025 20:02

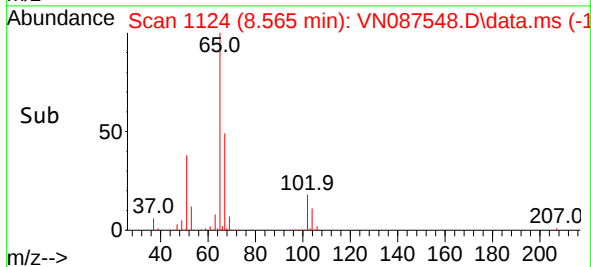
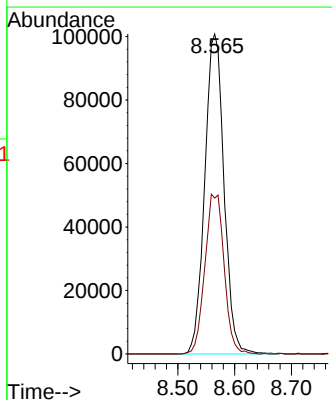
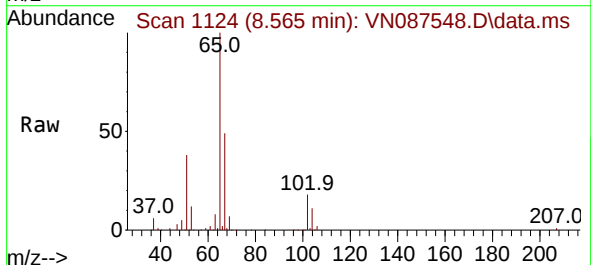
Instrument :
MSVOA_N
ClientSampleId :
TP-11

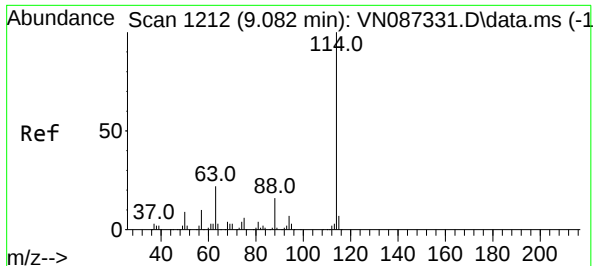
Tgt Ion: 43 Resp: 13522
Ion Ratio Lower Upper
43 100
72 11.5 19.6 29.4#



#33
1,2-Dichloroethane-d4
Concen: 66.409 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087548.D
Acq: 13 Aug 2025 20:02

Tgt Ion: 65 Resp: 236754
Ion Ratio Lower Upper
65 100
67 50.0 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: VN087548.D

Acq: 13 Aug 2025 20:02

Instrument :

MSVOA_N

ClientSampleId :

TP-11

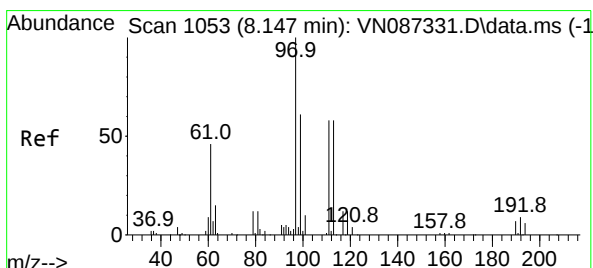
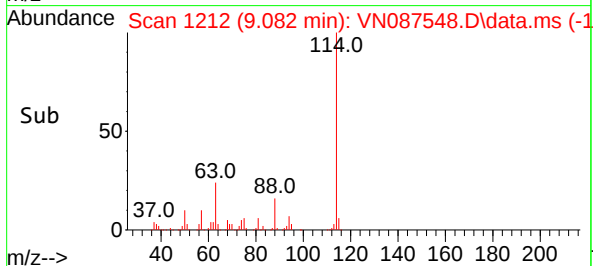
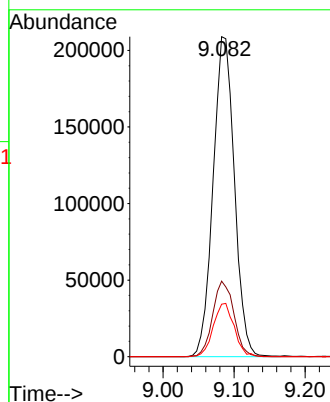
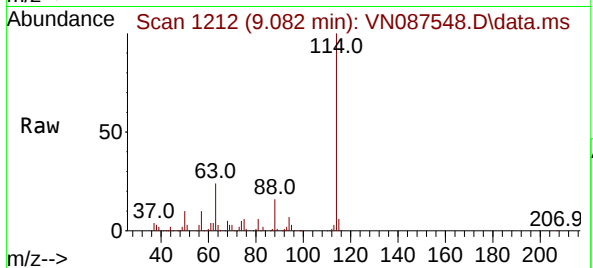
Tgt Ion:114 Resp: 434746

Ion Ratio Lower Upper

114 100

63 23.6 0.0 44.6

88 16.4 0.0 32.8



#35

Dibromofluoromethane

Concen: 52.137 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087548.D

Acq: 13 Aug 2025 20:02

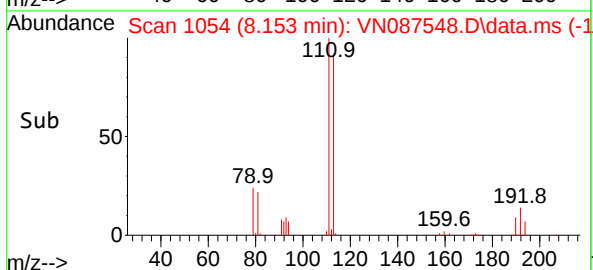
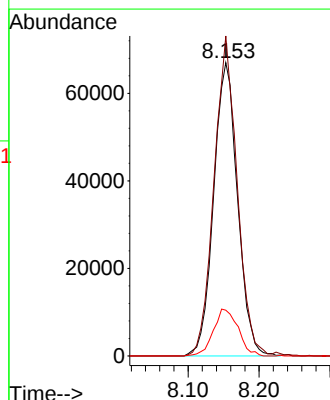
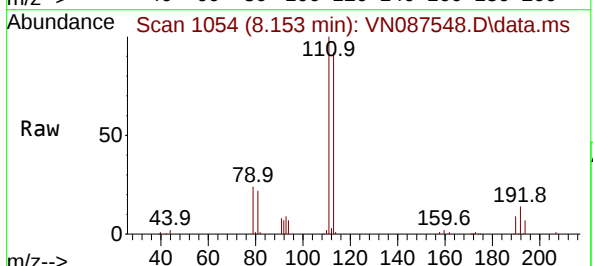
Tgt Ion:113 Resp: 156353

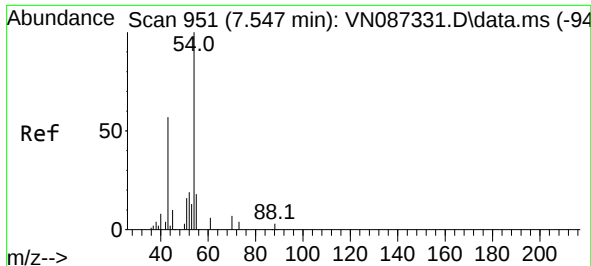
Ion Ratio Lower Upper

113 100

111 105.4 82.5 123.7

192 16.6 13.7 20.5





#37

Ethyl Acetate

Concen: 5.813 ug/l

RT: 7.553 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN087548.D

Acq: 13 Aug 2025 20:02

Instrument :

MSVOA_N

ClientSampleId :

TP-11

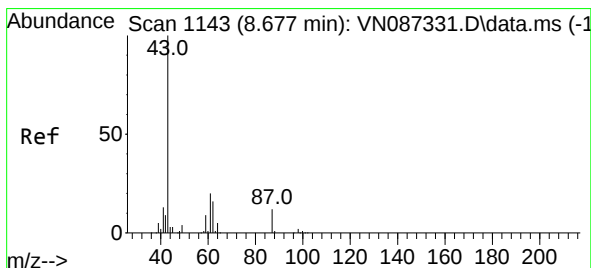
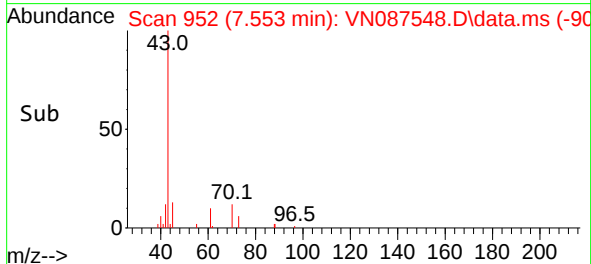
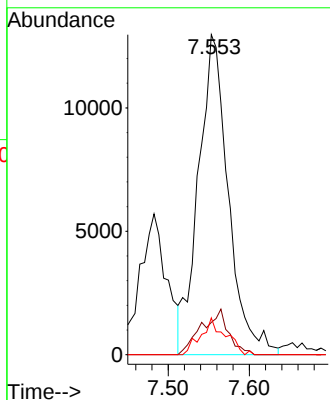
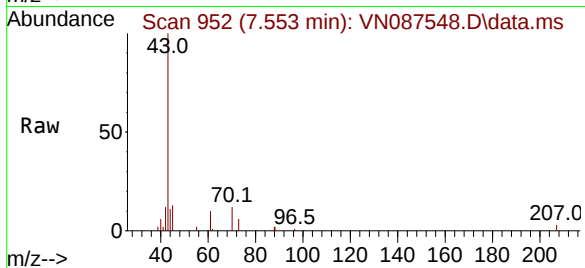
Tgt Ion: 43 Resp: 33260

Ion Ratio Lower Upper

43 100

61 12.8 10.9 16.3

70 9.4 7.4 11.0



#43

Isopropyl Acetate

Concen: 2.416 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. -0.000 min

Lab File: VN087548.D

Acq: 13 Aug 2025 20:02

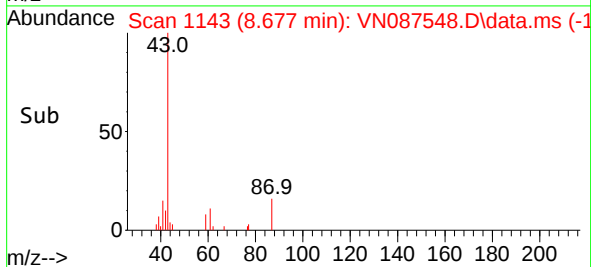
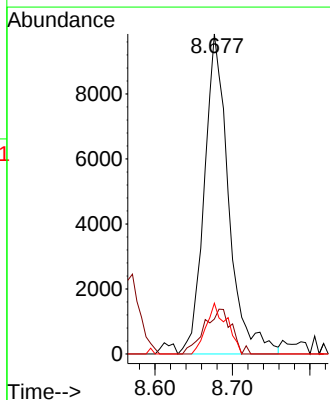
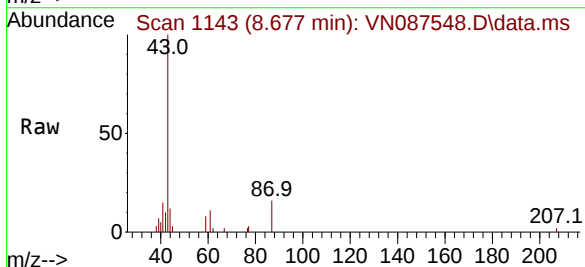
Tgt Ion: 43 Resp: 21462

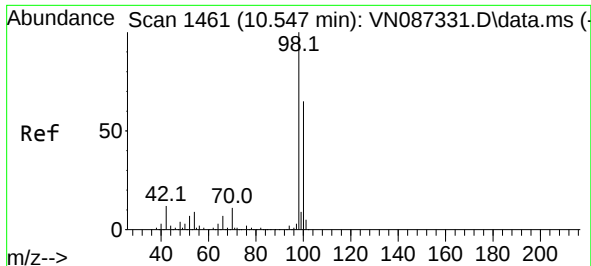
Ion Ratio Lower Upper

43 100

61 15.8 19.8 29.8#

87 13.5 9.8 14.6

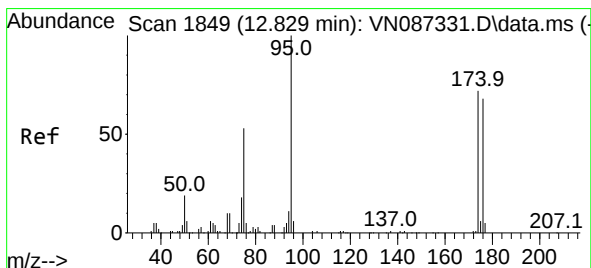
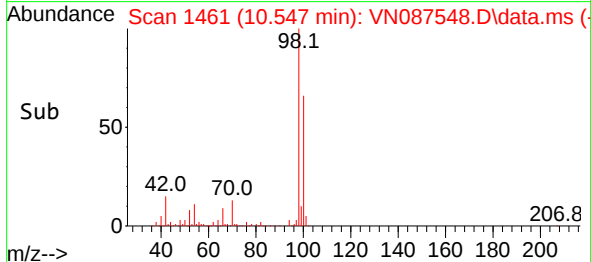
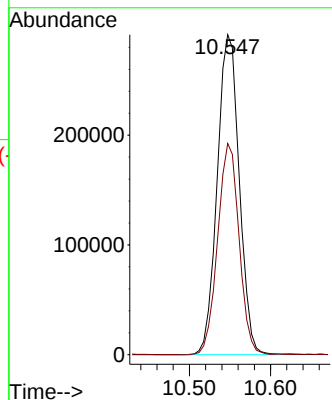
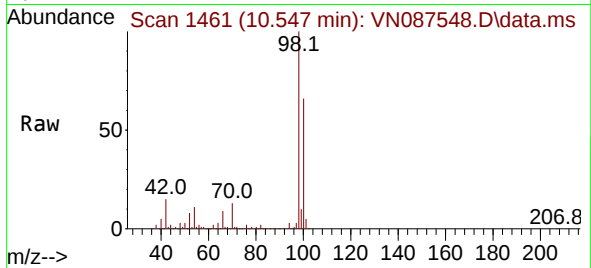




#50
Toluene-d8
Concen: 51.402 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087548.D
Acq: 13 Aug 2025 20:02

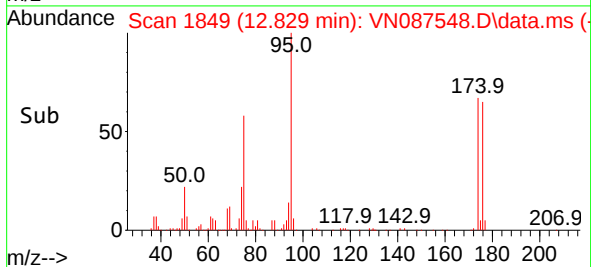
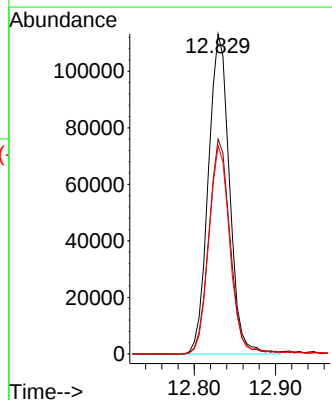
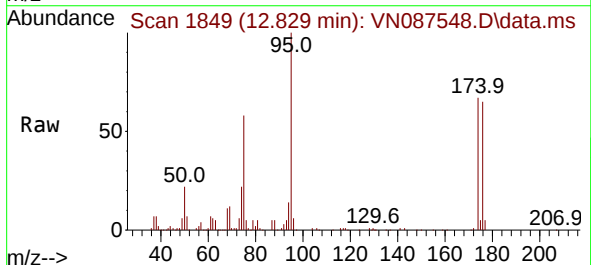
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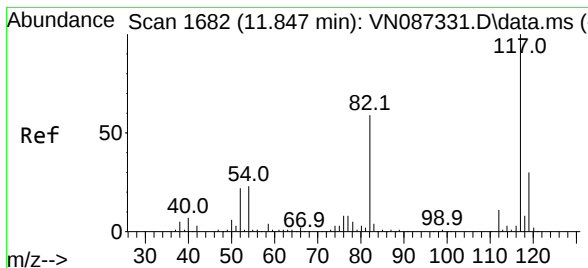
Tgt Ion: 98 Resp: 549864
Ion Ratio Lower Upper
98 100
100 64.3 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 51.885 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087548.D
Acq: 13 Aug 2025 20:02

Tgt Ion: 95 Resp: 205059
Ion Ratio Lower Upper
95 100
174 67.3 0.0 149.4
176 64.9 0.0 141.2

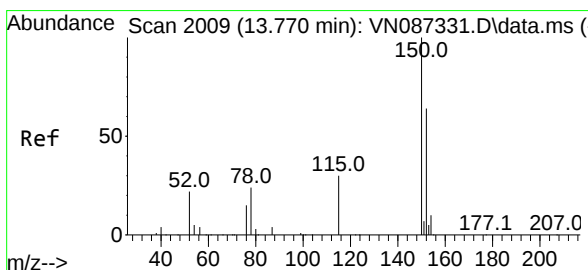
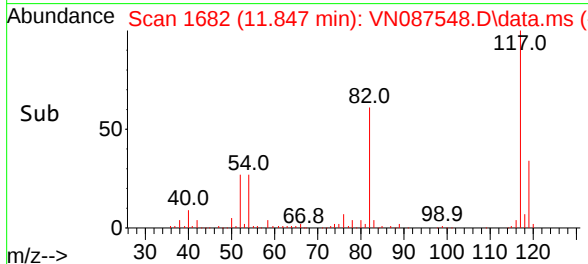
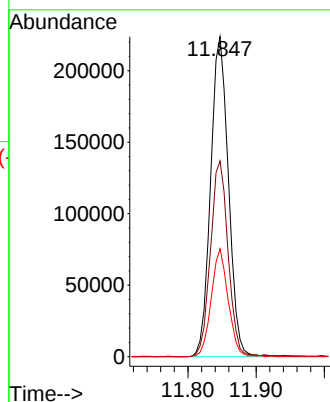
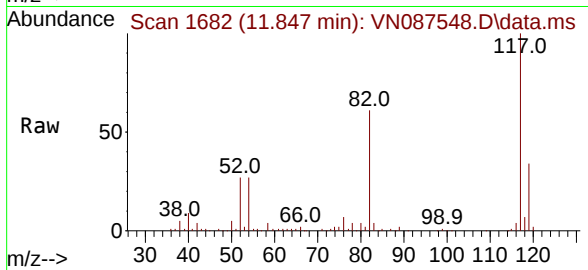




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN087548.D
Acq: 13 Aug 2025 20:02

Instrument :
MSVOA_N
ClientSampleId :
TP-11

Tgt Ion:117 Resp: 407444
Ion Ratio Lower Upper
117 100
82 61.2 47.4 71.2
119 33.7 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: VN087548.D
Acq: 13 Aug 2025 20:02

Tgt Ion:152 Resp: 183460
Ion Ratio Lower Upper
152 100
115 65.4 31.1 93.5
150 158.8 0.0 349.0

