

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081225\
 Data File : VN087508.D
 Acq On : 12 Aug 2025 12:58
 Operator : JC\MD
 Sample : Q2808-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-7

Quant Time: Aug 13 03:03:01 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)

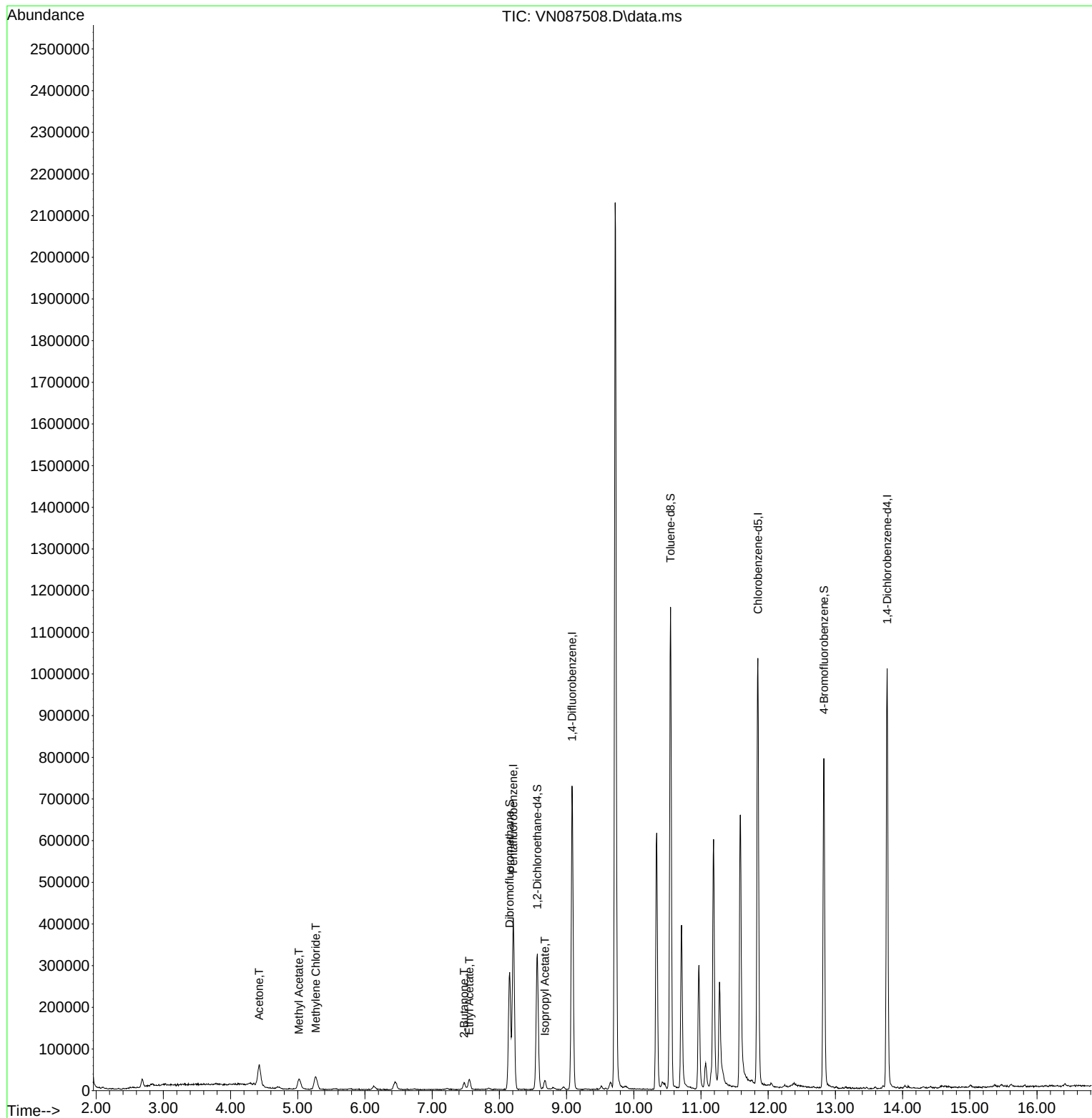
Internal Standards						
1) Pentafluorobenzene	8.206	168	261317	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.083	114	587831	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	552826	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	257487	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	278269	62.758	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 125.520%#		
35) Dibromofluoromethane	8.153	113	198600	48.978	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 97.960%		
50) Toluene-d8	10.547	98	753610	52.102	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 104.200%		
62) 4-Bromofluorobenzene	12.829	95	278465	52.110	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 104.220%		
Target Compounds						
						Qvalue
16) Acetone	4.424	43	92263	44.379	ug/l	98
18) Methyl Acetate	5.018	43	57876	11.081	ug/l	99
20) Methylene Chloride	5.271	84	24859	6.517	ug/l	95
25) 2-Butanone	7.477	43	24945	7.766	ug/l	93
37) Ethyl Acetate	7.553	43	38460	4.971	ug/l	98
43) Isopropyl Acetate	8.677	43	25212	2.099	ug/l #	89

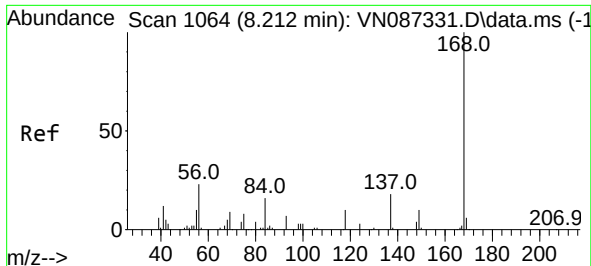
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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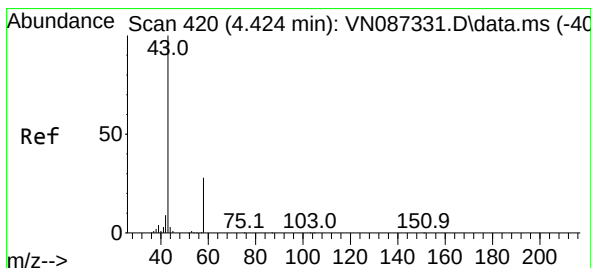
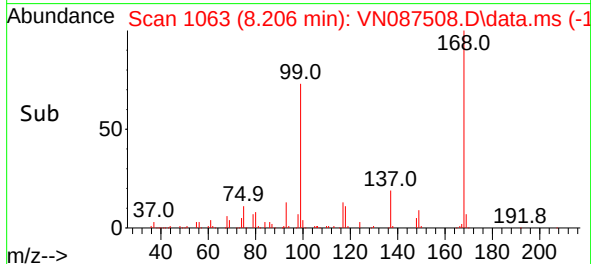
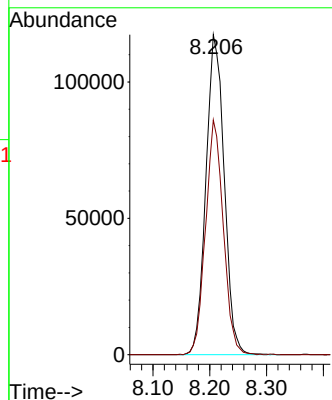
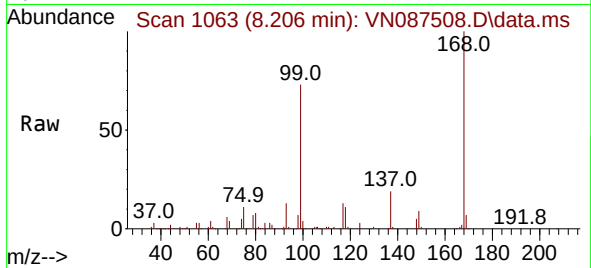




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087508.D
Acq: 12 Aug 2025 12:58

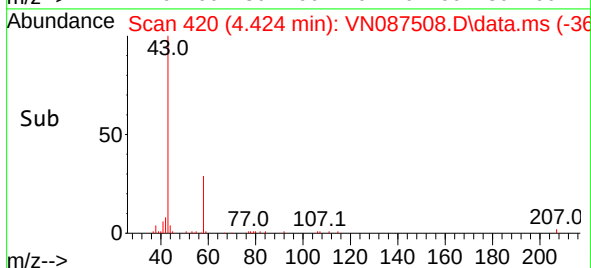
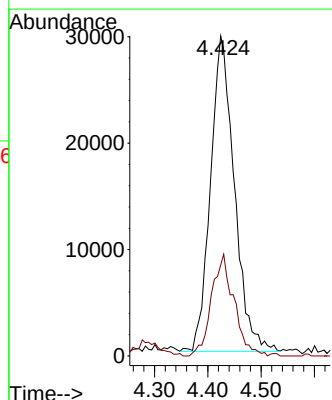
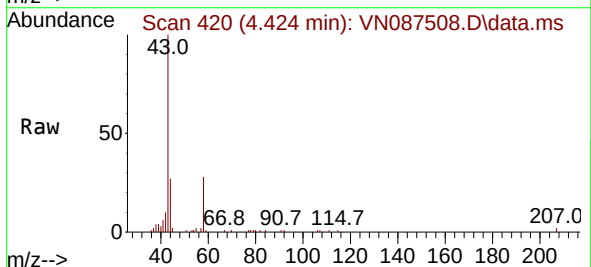
Instrument :
MSVOA_N
ClientSampleId :
TP-7

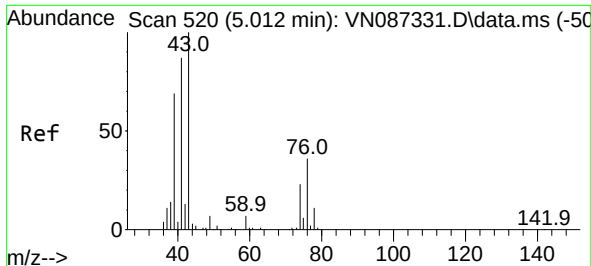
Tgt Ion:168 Resp: 261317
Ion Ratio Lower Upper
168 100
99 73.4 47.9 71.9#



#16
Acetone
Concen: 44.379 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN087508.D
Acq: 12 Aug 2025 12:58

Tgt Ion: 43 Resp: 92263
Ion Ratio Lower Upper
43 100
58 28.8 22.3 33.5

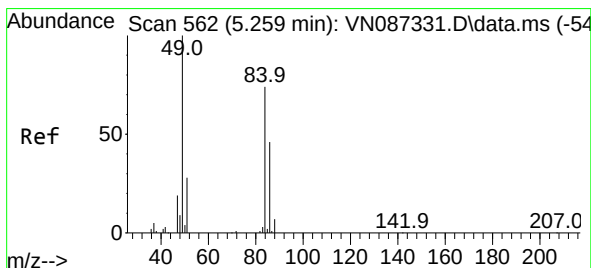
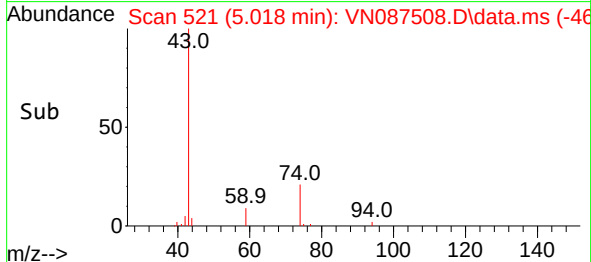
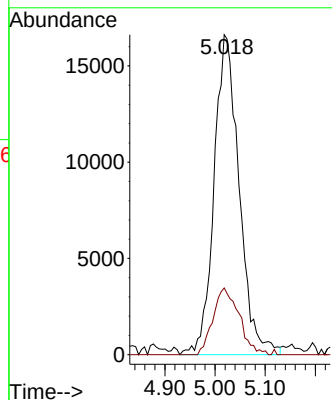
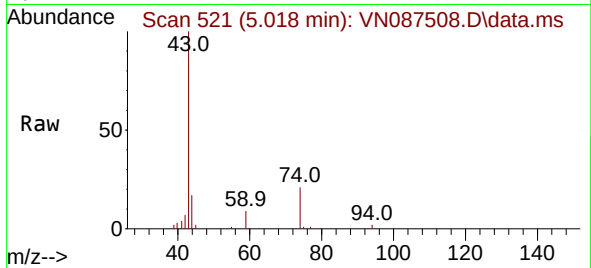




#18
Methyl Acetate
Concen: 11.081 ug/l
RT: 5.018 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN087508.D
Acq: 12 Aug 2025 12:58

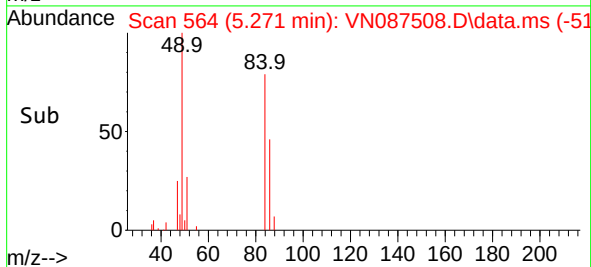
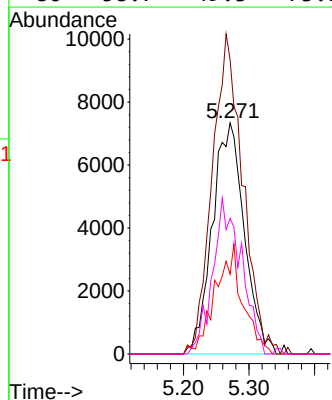
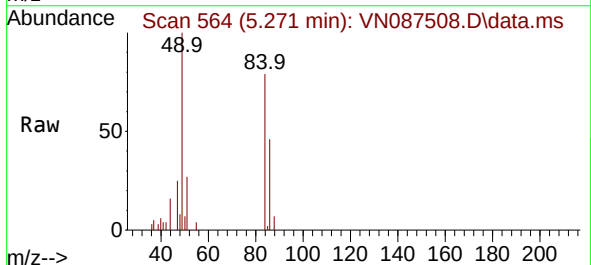
Instrument :
MSVOA_N
ClientSampleId :
TP-7

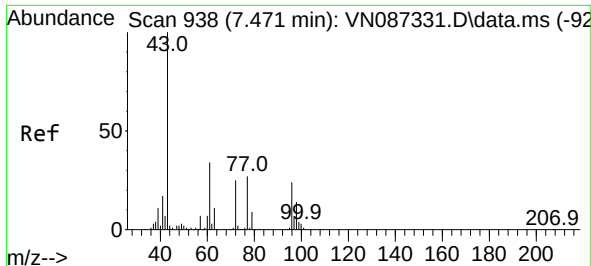
Tgt Ion: 43 Resp: 57876
Ion Ratio Lower Upper
43 100
74 21.6 17.8 26.6



#20
Methylene Chloride
Concen: 6.517 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.012 min
Lab File: VN087508.D
Acq: 12 Aug 2025 12:58

Tgt Ion: 84 Resp: 24859
Ion Ratio Lower Upper
84 100
49 127.4 107.5 161.3
51 34.6 30.2 45.2
86 58.7 49.3 73.9

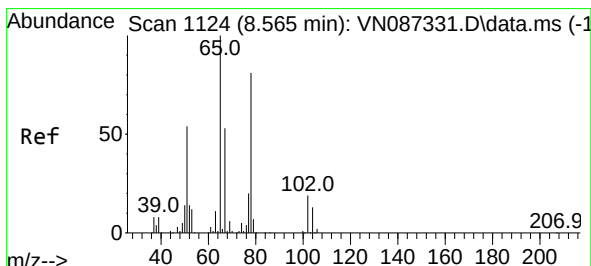
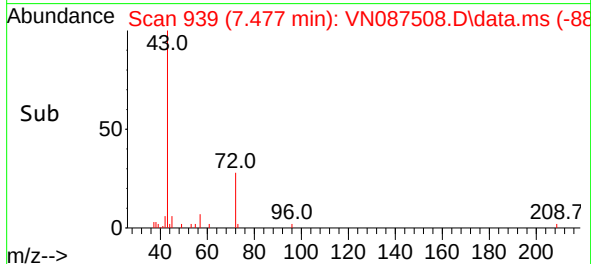
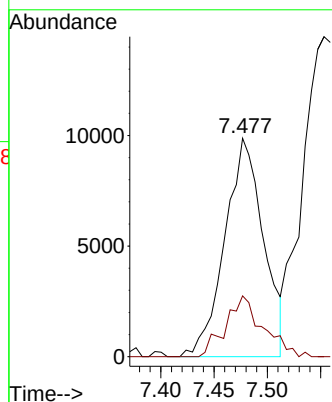
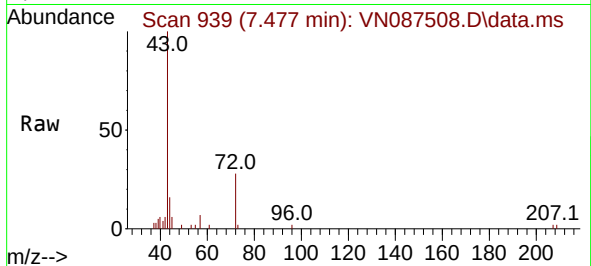




#25
2-Butanone
Concen: 7.766 ug/l
RT: 7.477 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN087508.D
Acq: 12 Aug 2025 12:58

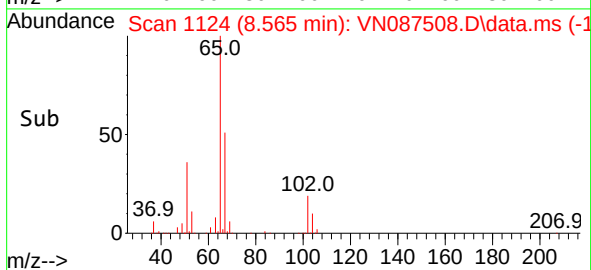
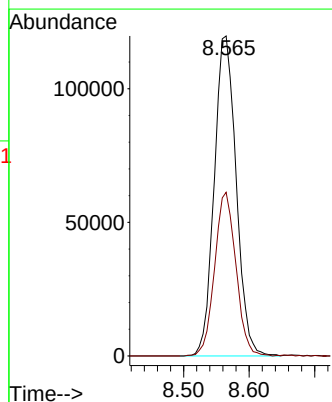
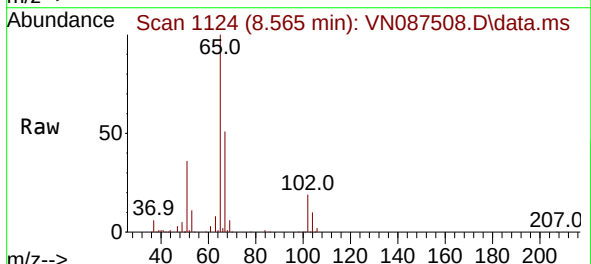
Instrument :
MSVOA_N
ClientSampleId :
TP-7

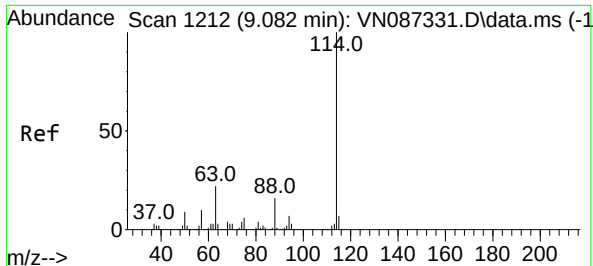
Tgt Ion: 43 Resp: 24945
Ion Ratio Lower Upper
43 100
72 27.8 19.6 29.4



#33
1,2-Dichloroethane-d4
Concen: 62.758 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087508.D
Acq: 12 Aug 2025 12:58

Tgt Ion: 65 Resp: 278269
Ion Ratio Lower Upper
65 100
67 49.6 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1

Delta R.T. 0.001 min

Lab File: VN087508.D

Acq: 12 Aug 2025 12:58

Instrument :

MSVOA_N

ClientSampleId :

TP-7

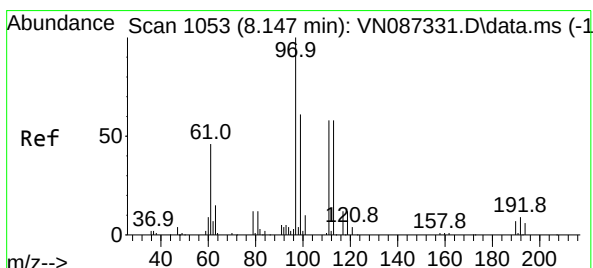
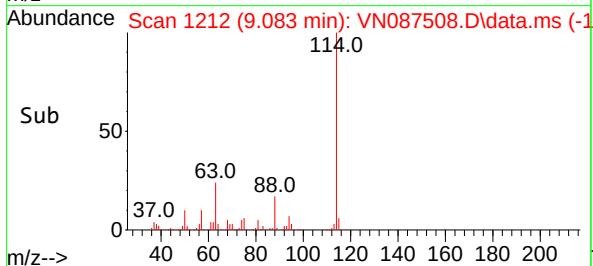
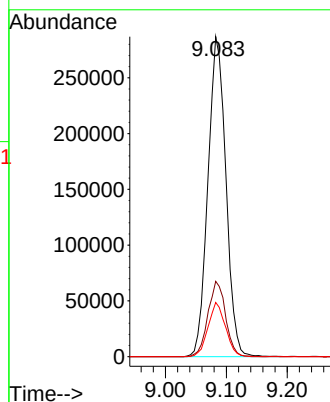
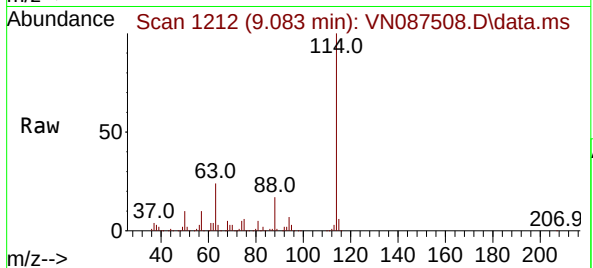
Tgt Ion:114 Resp: 587831

Ion Ratio Lower Upper

114 100

63 23.5 0.0 44.6

88 17.0 0.0 32.8



#35

Dibromofluoromethane

Concen: 48.978 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087508.D

Acq: 12 Aug 2025 12:58

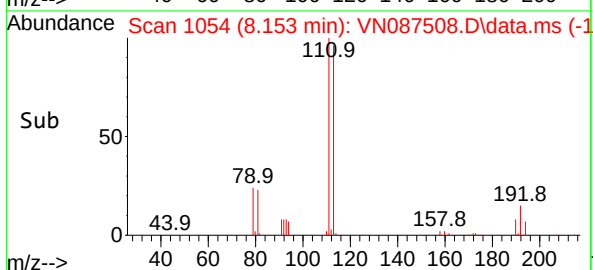
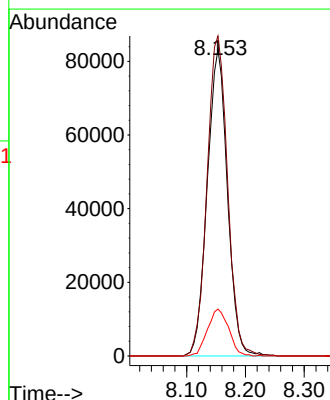
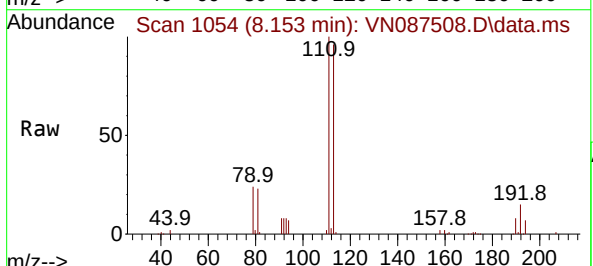
Tgt Ion:113 Resp: 198600

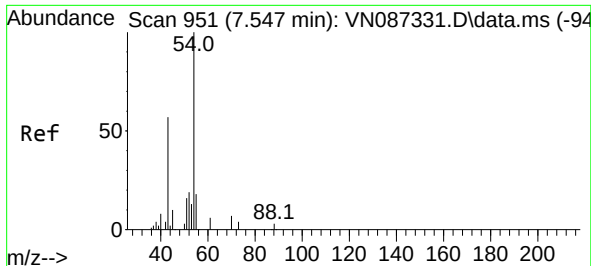
Ion Ratio Lower Upper

113 100

111 106.0 82.5 123.7

192 16.0 13.7 20.5

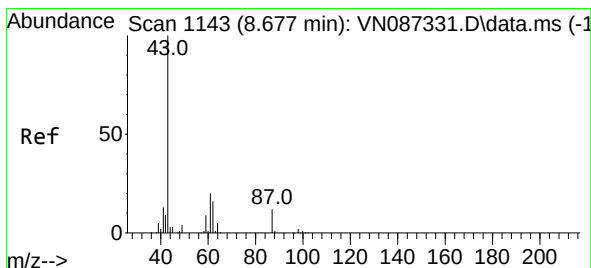
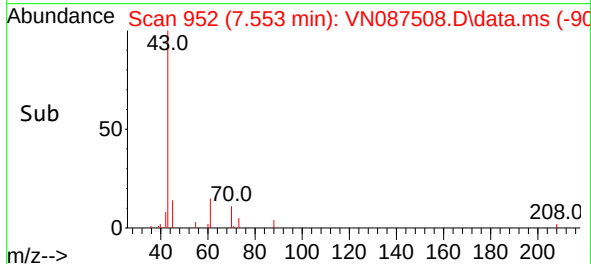
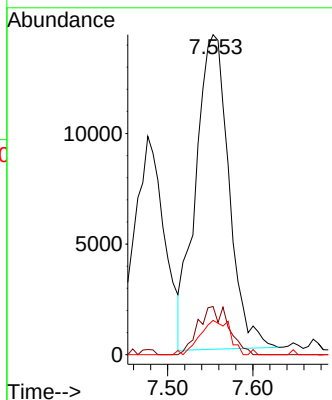
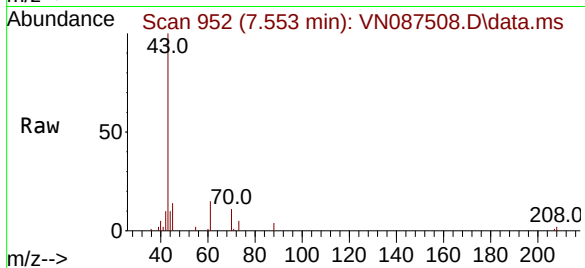




#37
Ethyl Acetate
Concen: 4.971 ug/l
RT: 7.553 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN087508.D
Acq: 12 Aug 2025 12:58

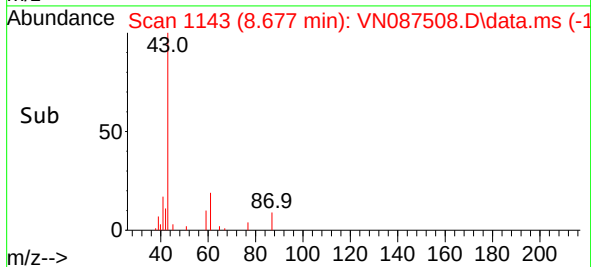
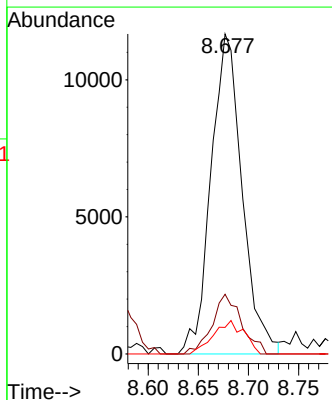
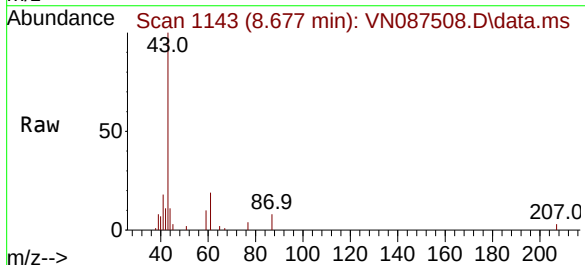
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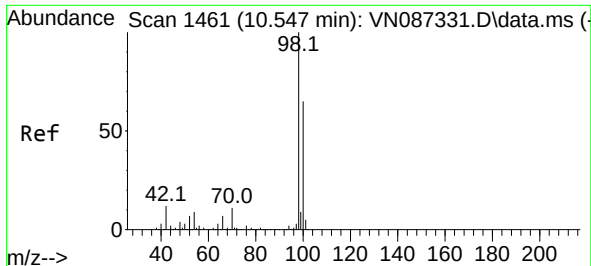
Tgt Ion:	43	Resp:	38460
Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.9	16.3
70	9.8	7.4	11.0



#43
Isopropyl Acetate
Concen: 2.099 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN087508.D
Acq: 12 Aug 2025 12:58

Tgt Ion:	43	Resp:	25212
Ion	Ratio	Lower	Upper
43	100		
61	17.7	19.8	29.8#
87	10.2	9.8	14.6

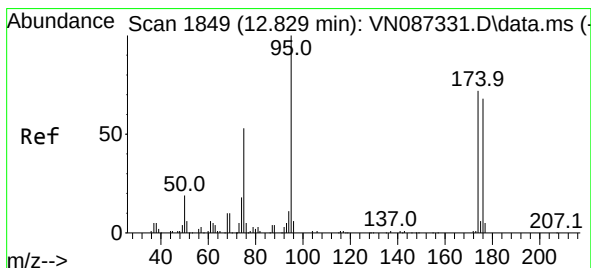
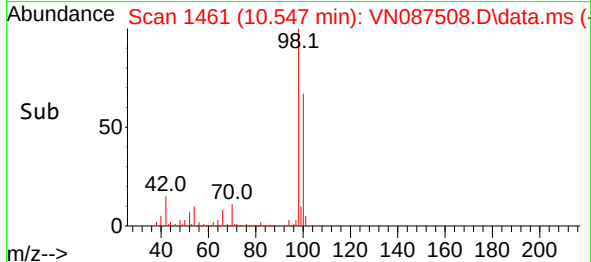
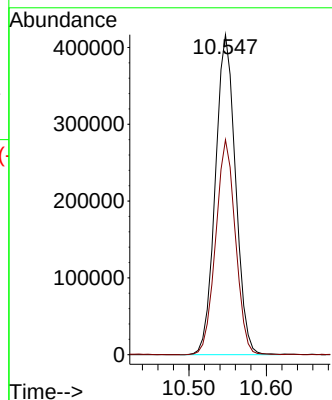
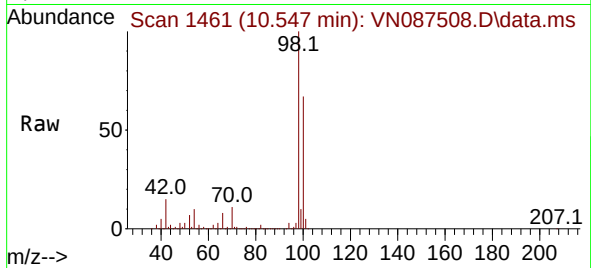




#50
Toluene-d8
Concen: 52.102 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087508.D
Acq: 12 Aug 2025 12:58

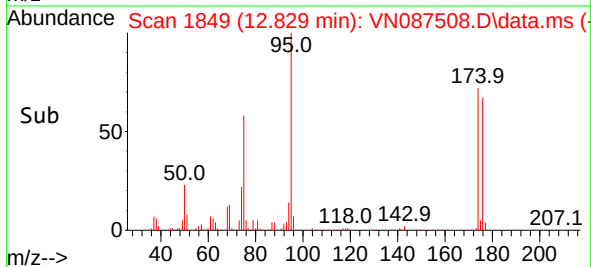
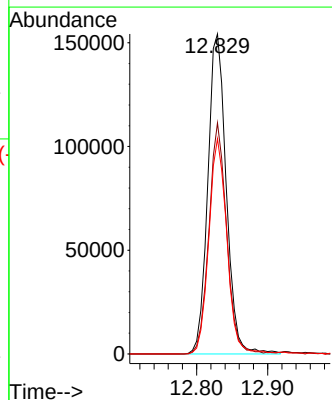
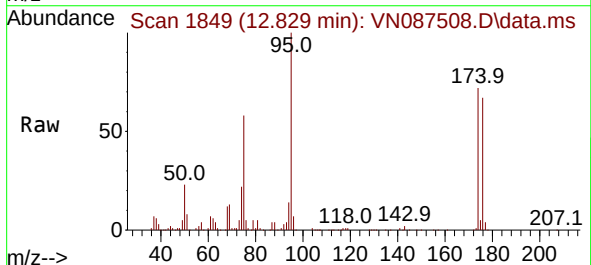
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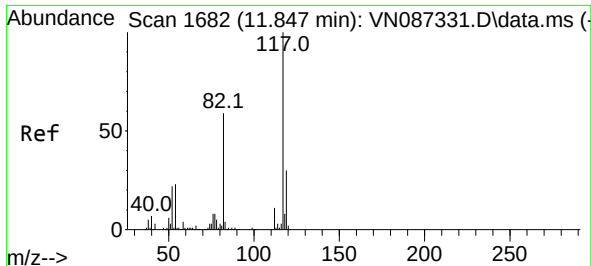
Tgt Ion: 98 Resp: 753610
Ion Ratio Lower Upper
98 100
100 65.8 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 52.110 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087508.D
Acq: 12 Aug 2025 12:58

Tgt Ion: 95 Resp: 278465
Ion Ratio Lower Upper
95 100
174 69.4 0.0 149.4
176 65.7 0.0 141.2

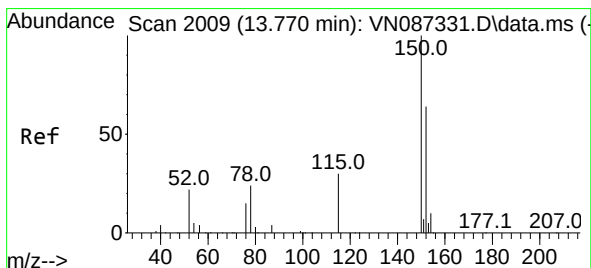
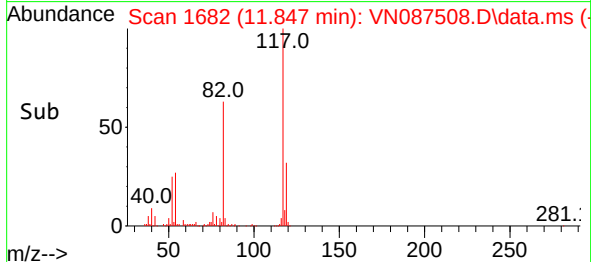
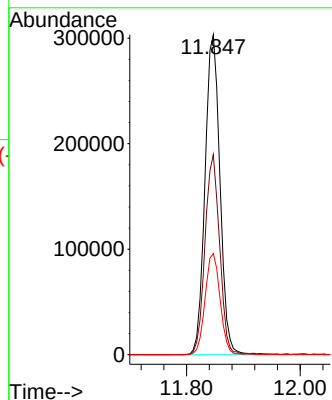
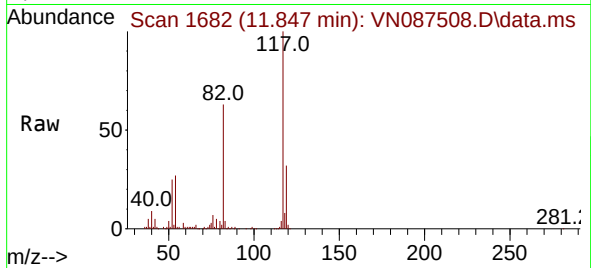




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087508.D
Acq: 12 Aug 2025 12:58

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion:117 Resp: 552826
Ion Ratio Lower Upper
117 100
82 62.5 47.4 71.2
119 31.6 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: VN087508.D
Acq: 12 Aug 2025 12:58

Tgt Ion:152 Resp: 257487
Ion Ratio Lower Upper
152 100
115 64.5 31.1 93.5
150 157.7 0.0 349.0

