

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081225\
 Data File : VN087509.D
 Acq On : 12 Aug 2025 13:19
 Operator : JC\MD
 Sample : Q2827-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-8

Quant Time: Aug 13 03:03:27 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)

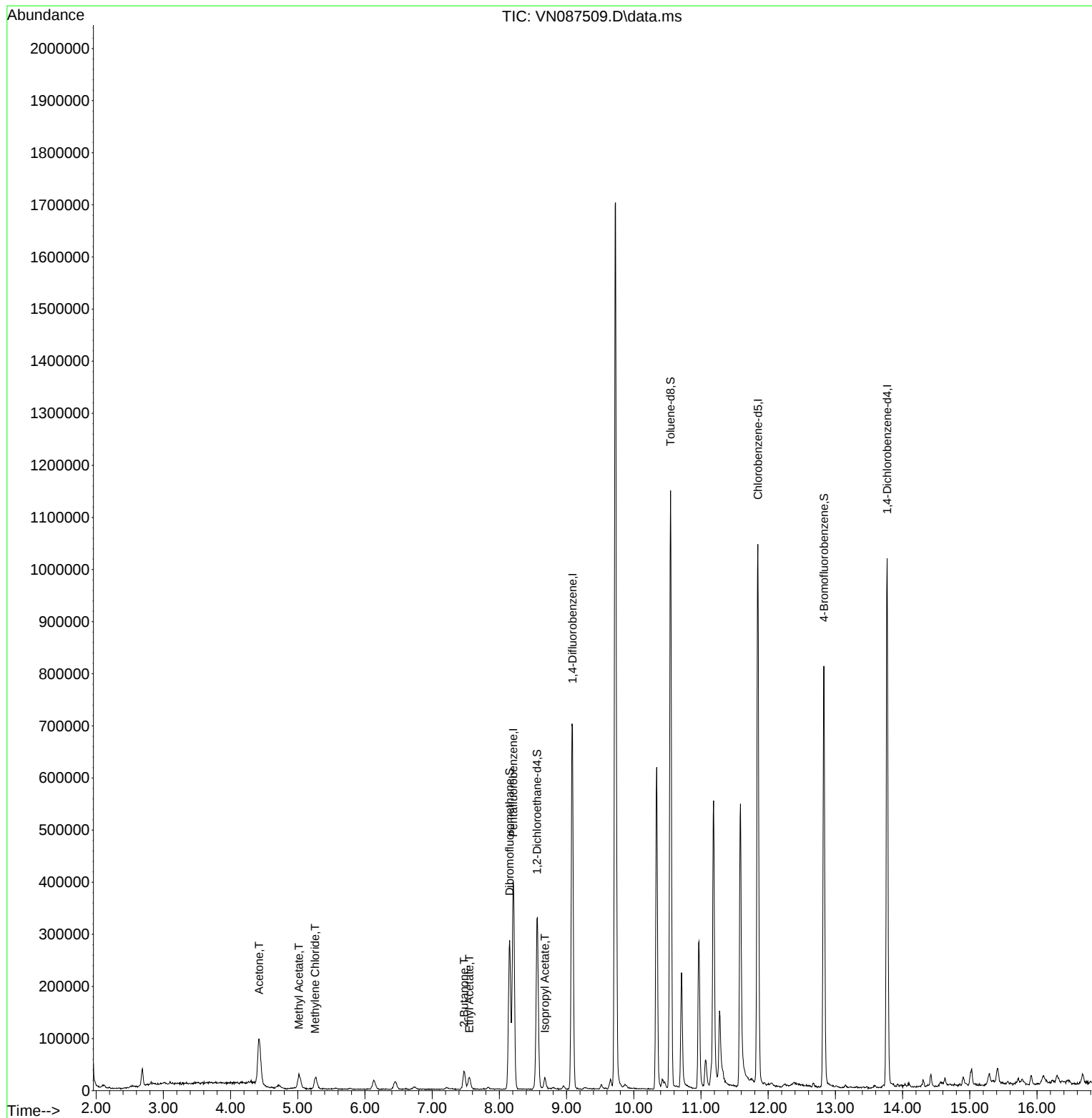
Internal Standards						
1) Pentafluorobenzene	8.206	168	263709	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.088	114	583631	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	548030	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	255262	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	282688	63.176	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 126.360%#	
35) Dibromofluoromethane	8.153	113	197889	49.154	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.300%	
50) Toluene-d8	10.547	98	751740	52.347	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.700%	
62) 4-Bromofluorobenzene	12.829	95	286397	53.980	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 107.960%	
Target Compounds						
					Qvalue	
16) Acetone	4.424	43	173020	82.469	ug/l	97
18) Methyl Acetate	5.018	43	61072	11.586	ug/l	95
20) Methylene Chloride	5.259	84	17212	4.267	ug/l	83
25) 2-Butanone	7.477	43	58344	17.998	ug/l	98
37) Ethyl Acetate	7.553	43	36300	4.725	ug/l #	95
43) Isopropyl Acetate	8.677	43	25633	2.150	ug/l #	91

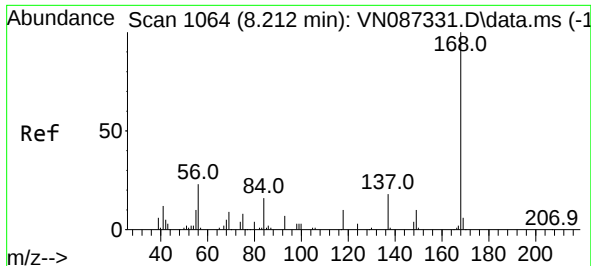
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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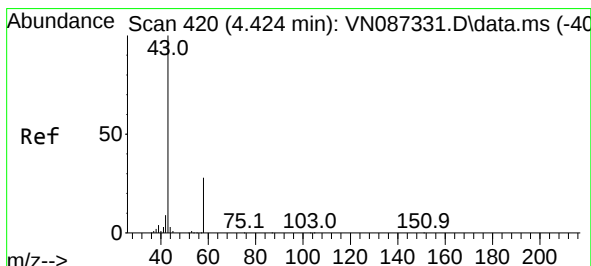
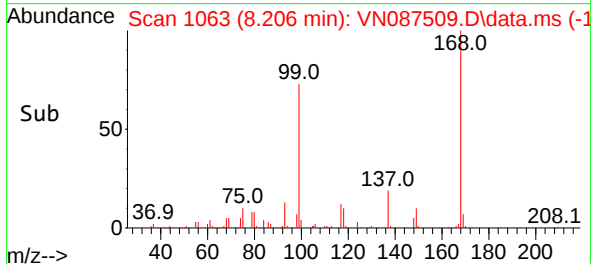
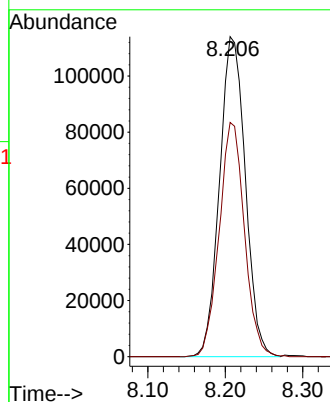
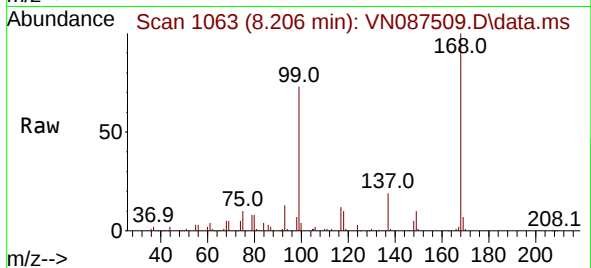




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087509.D
Acq: 12 Aug 2025 13:19

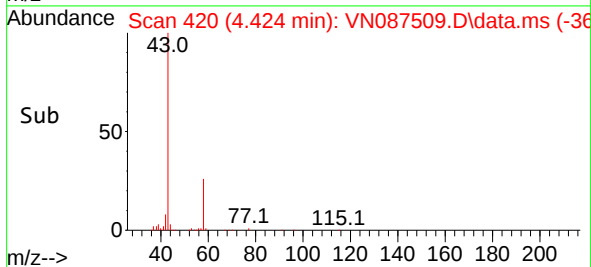
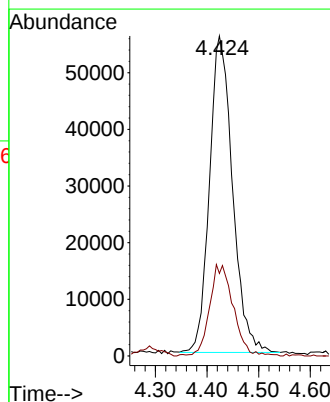
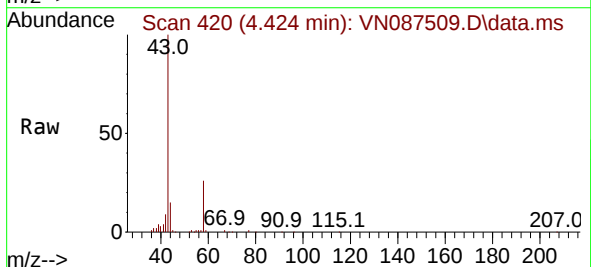
Instrument :
MSVOA_N
ClientSampleId :
TP-8

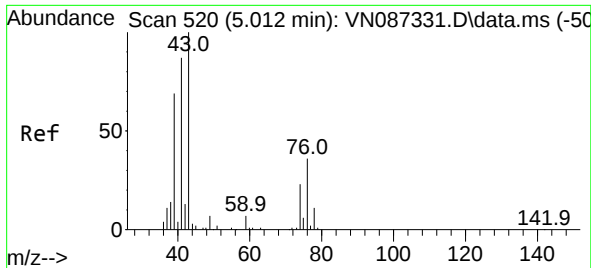
Tgt Ion:168 Resp: 263709
Ion Ratio Lower Upper
168 100
99 73.2 47.9 71.9#



#16
Acetone
Concen: 82.469 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN087509.D
Acq: 12 Aug 2025 13:19

Tgt Ion: 43 Resp: 173020
Ion Ratio Lower Upper
43 100
58 26.1 22.3 33.5

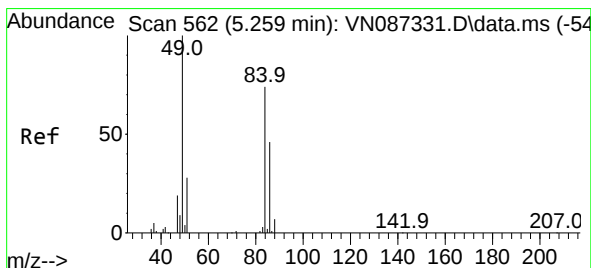
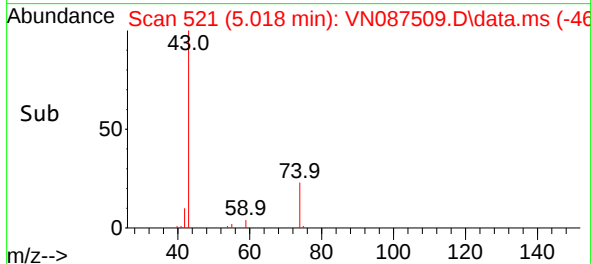
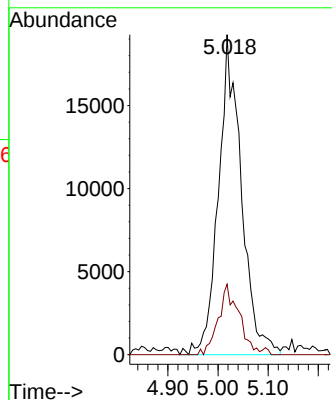
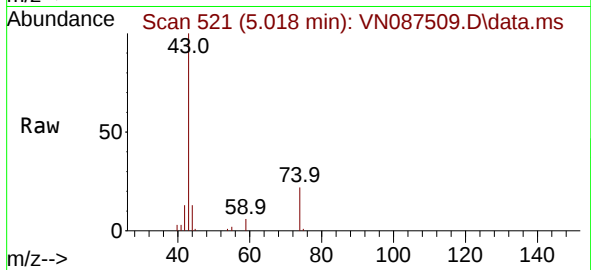




#18
Methyl Acetate
Concen: 11.586 ug/l
RT: 5.018 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN087509.D
Acq: 12 Aug 2025 13:19

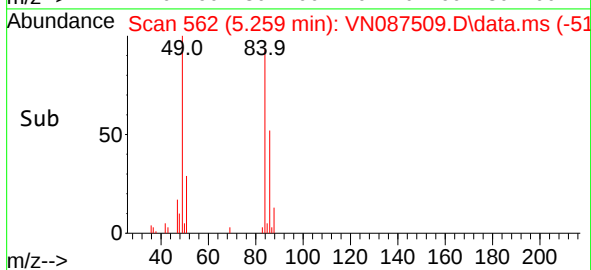
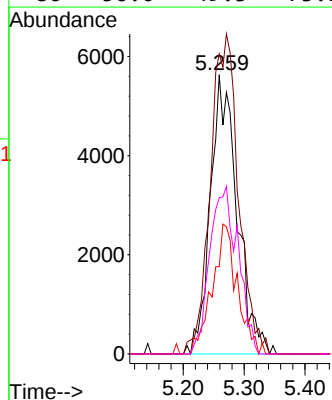
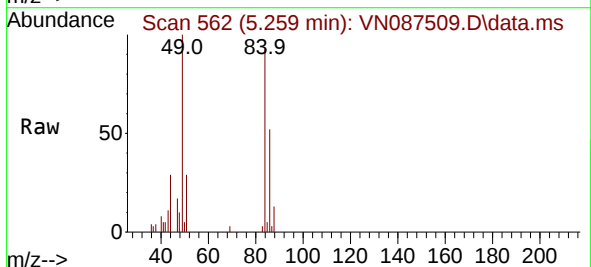
Instrument :
MSVOA_N
ClientSampleId :
TP-8

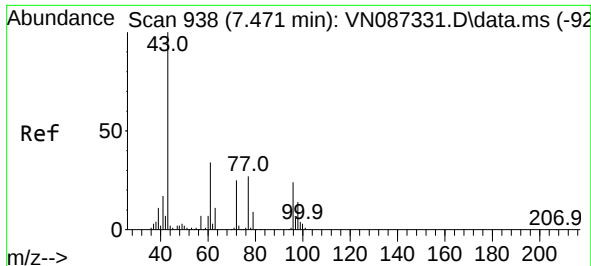
Tgt Ion: 43 Resp: 61072
Ion Ratio Lower Upper
43 100
74 19.8 17.8 26.6



#20
Methylene Chloride
Concen: 4.267 ug/l
RT: 5.259 min Scan# 562
Delta R.T. 0.000 min
Lab File: VN087509.D
Acq: 12 Aug 2025 13:19

Tgt Ion: 84 Resp: 17212
Ion Ratio Lower Upper
84 100
49 107.5 107.5 161.3
51 31.3 30.2 45.2
86 56.0 49.3 73.9

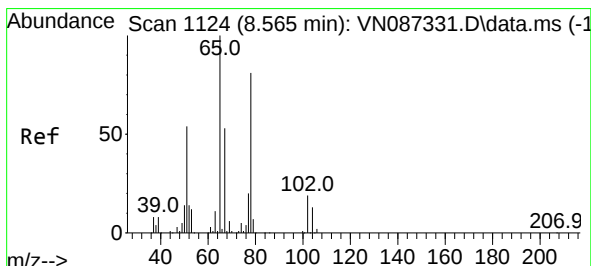
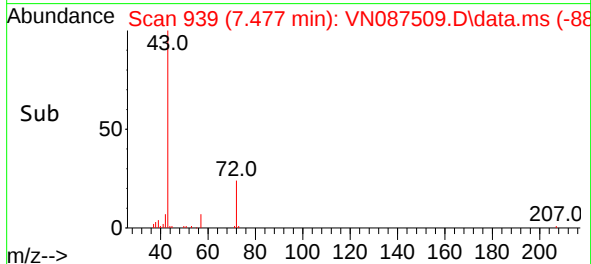
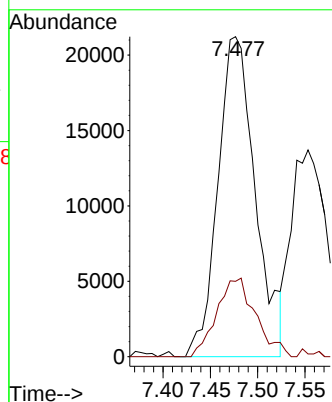
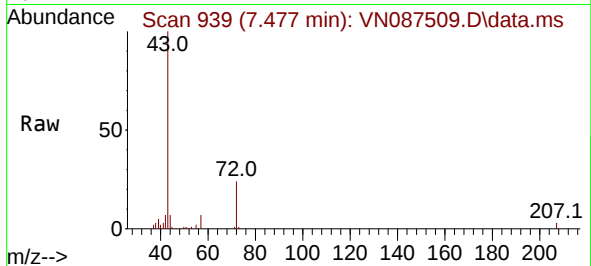




#25
2-Butanone
Concen: 17.998 ug/l
RT: 7.477 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN087509.D
Acq: 12 Aug 2025 13:19

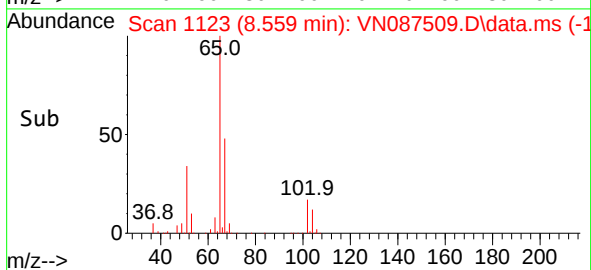
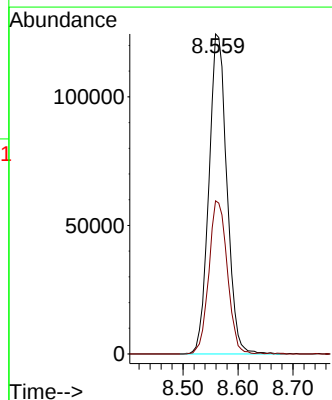
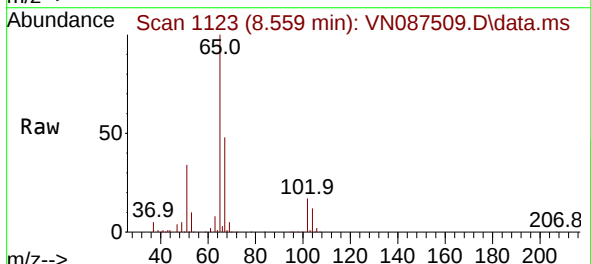
Instrument :
MSVOA_N
ClientSampleId :
TP-8

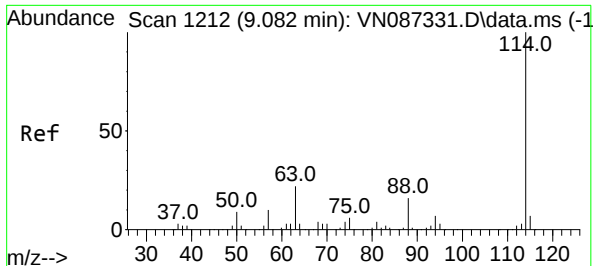
Tgt Ion: 43 Resp: 58344
Ion Ratio Lower Upper
43 100
72 23.6 19.6 29.4



#33
1,2-Dichloroethane-d4
Concen: 63.176 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.006 min
Lab File: VN087509.D
Acq: 12 Aug 2025 13:19

Tgt Ion: 65 Resp: 282688
Ion Ratio Lower Upper
65 100
67 49.0 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.088 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN087509.D

Acq: 12 Aug 2025 13:19

Instrument :

MSVOA_N

ClientSampleId :

TP-8

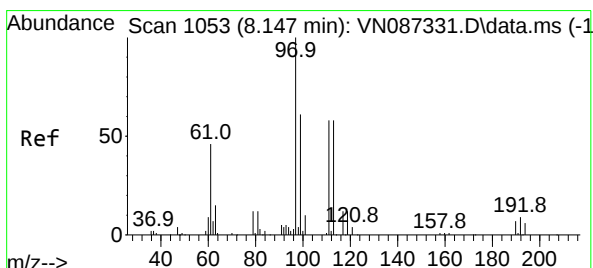
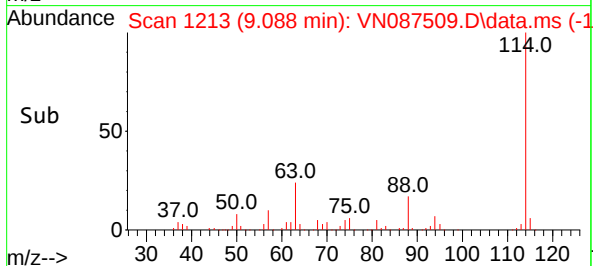
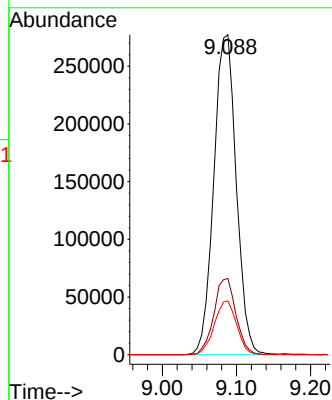
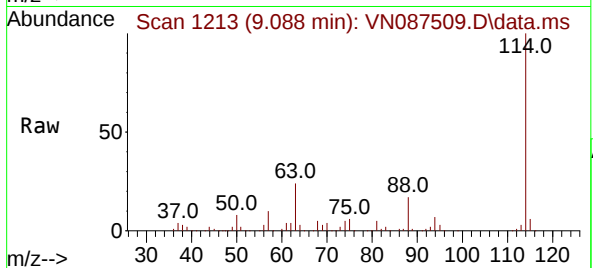
Tgt Ion:114 Resp: 583631

Ion Ratio Lower Upper

114 100

63 23.8 0.0 44.6

88 16.8 0.0 32.8



#35

Dibromofluoromethane

Concen: 49.154 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087509.D

Acq: 12 Aug 2025 13:19

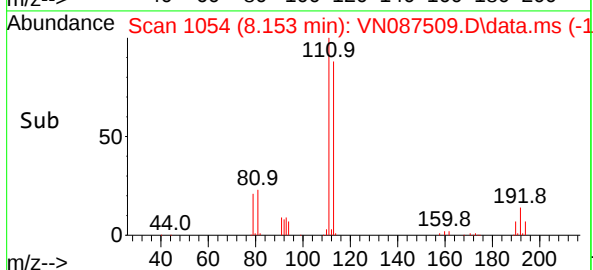
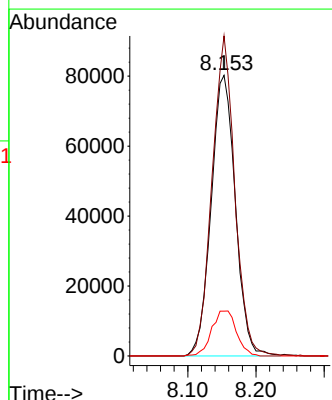
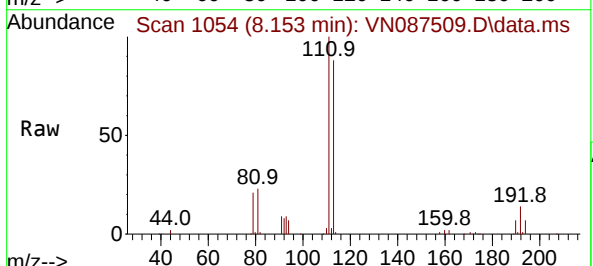
Tgt Ion:113 Resp: 197889

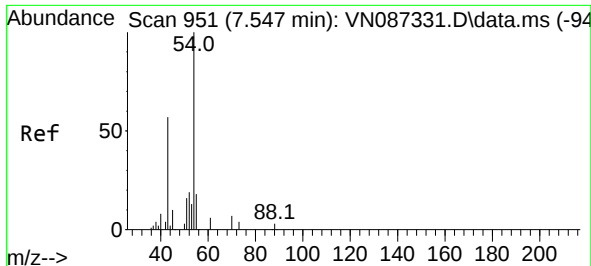
Ion Ratio Lower Upper

113 100

111 107.1 82.5 123.7

192 16.5 13.7 20.5

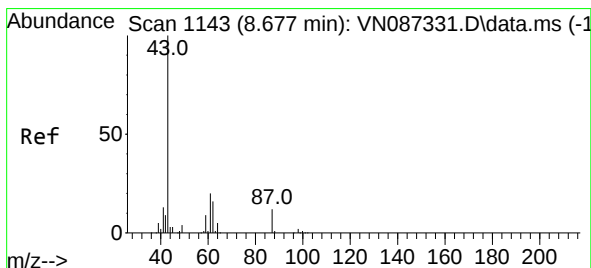
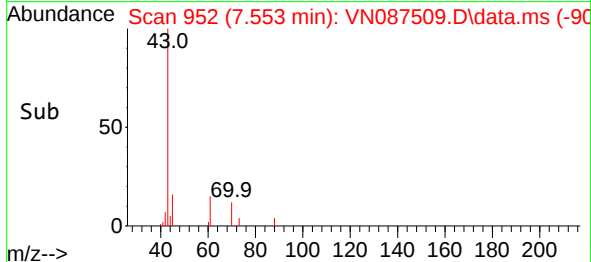
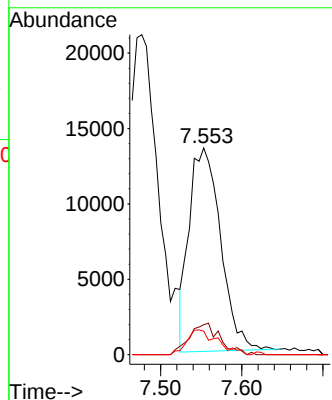
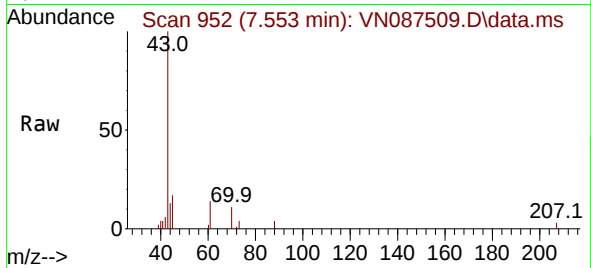




#37
Ethyl Acetate
Concen: 4.725 ug/l
RT: 7.553 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN087509.D
Acq: 12 Aug 2025 13:19

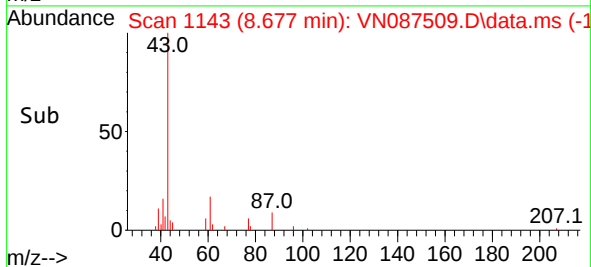
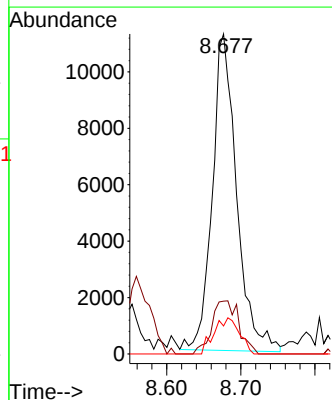
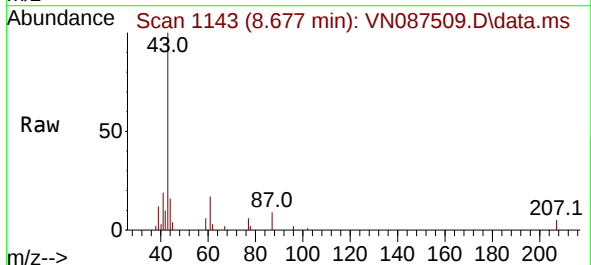
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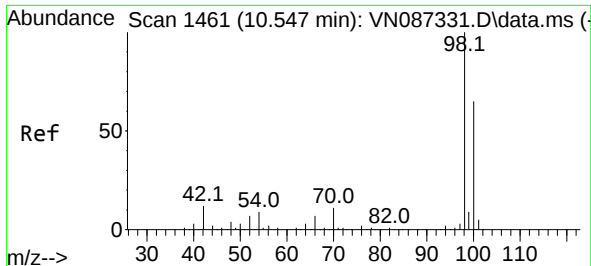
Tgt Ion: 43 Resp: 36300
Ion Ratio Lower Upper
43 100
61 15.1 10.9 16.3
70 11.9 7.4 11.0#



#43
Isopropyl Acetate
Concen: 2.150 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN087509.D
Acq: 12 Aug 2025 13:19

Tgt Ion: 43 Resp: 25633
Ion Ratio Lower Upper
43 100
61 18.6 19.8 29.8#
87 11.9 9.8 14.6

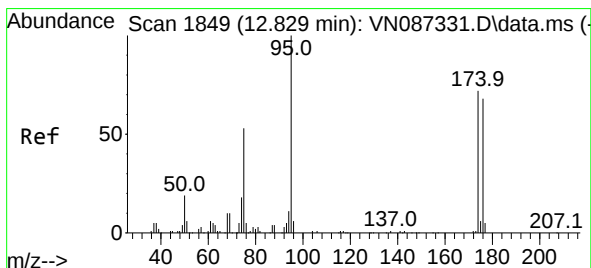
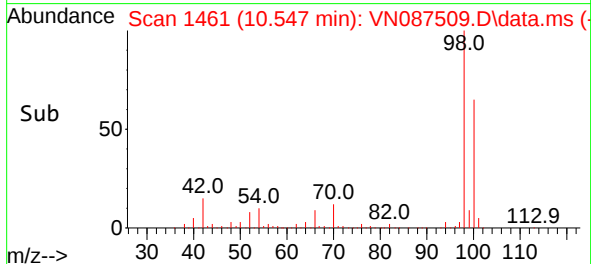
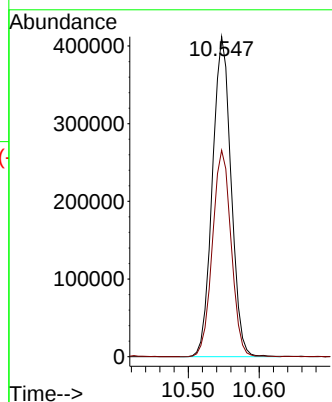
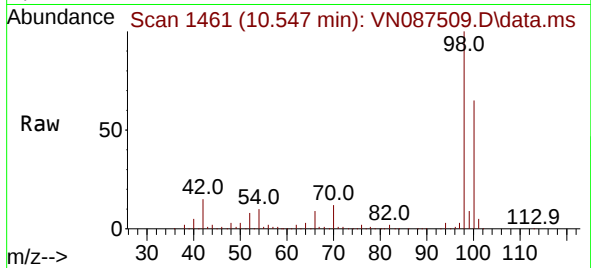




#50
Toluene-d8
Concen: 52.347 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087509.D
Acq: 12 Aug 2025 13:19

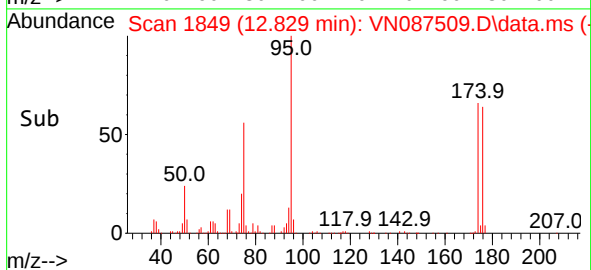
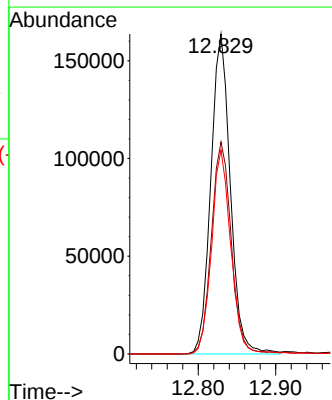
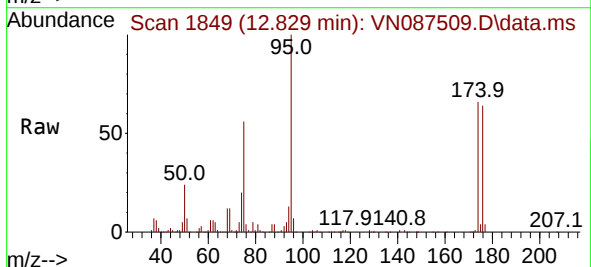
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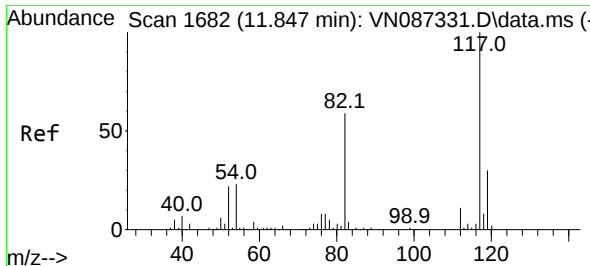
Tgt Ion: 98 Resp: 751740
Ion Ratio Lower Upper
98 100
100 64.5 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 53.980 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087509.D
Acq: 12 Aug 2025 13:19

Tgt Ion: 95 Resp: 286397
Ion Ratio Lower Upper
95 100
174 67.9 0.0 149.4
176 63.0 0.0 141.2

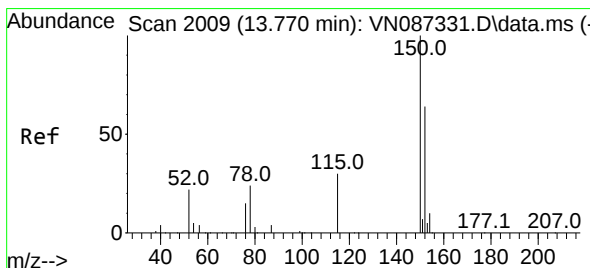
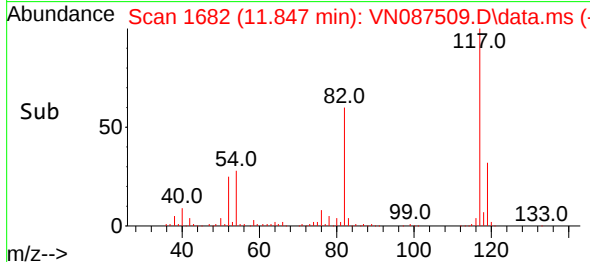
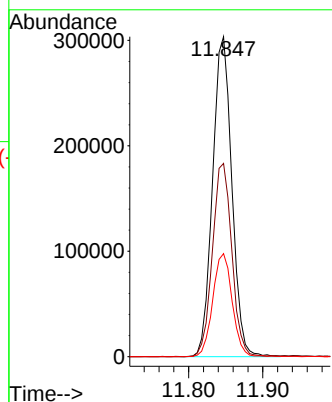
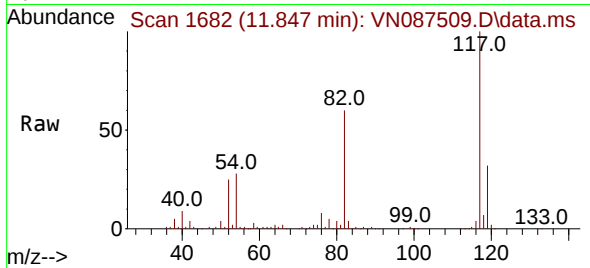




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087509.D
Acq: 12 Aug 2025 13:19

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion:117 Resp: 548030
Ion Ratio Lower Upper
117 100
82 60.4 47.4 71.2
119 32.2 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: VN087509.D
Acq: 12 Aug 2025 13:19

Tgt Ion:152 Resp: 255262
Ion Ratio Lower Upper
152 100
115 66.5 31.1 93.5
150 159.4 0.0 349.0

