

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
 Data File : VN087543.D
 Acq On : 13 Aug 2025 18:12
 Operator : JC\MD
 Sample : Q2832-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TG-S05

Quant Time: Aug 14 04:05:23 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)

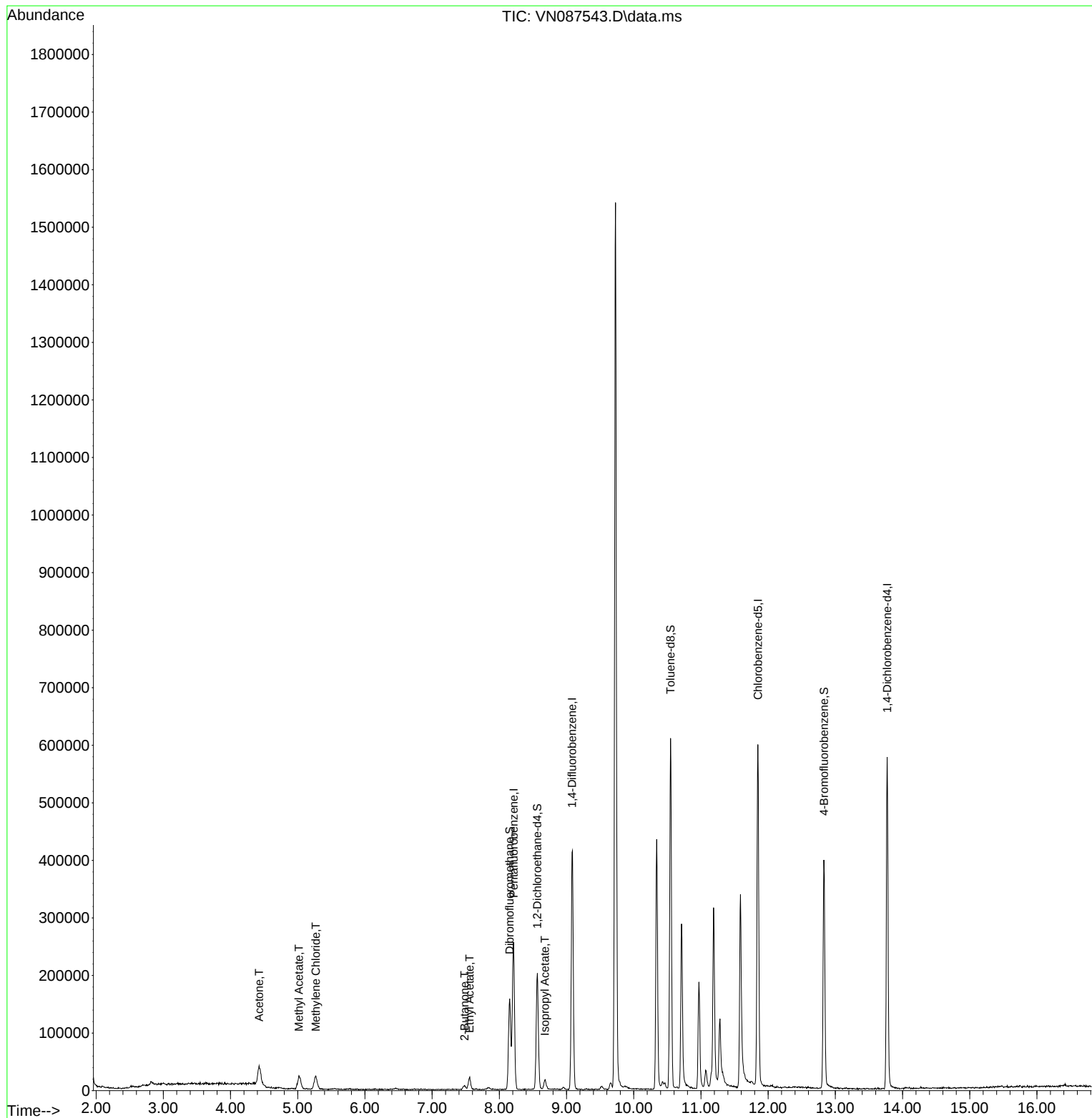
Internal Standards						
1) Pentafluorobenzene	8.212	168	170102	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	344303	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	313708	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	145236	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	165991	57.511	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 115.020%	
35) Dibromofluoromethane	8.153	113	112473	47.357	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 94.720%	
50) Toluene-d8	10.547	98	395365	46.668	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 93.340%	
62) 4-Bromofluorobenzene	12.829	95	141673	45.263	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 90.520%	
Target Compounds						
					Qvalue	
16) Acetone	4.424	43	62744	46.364	ug/l	99
18) Methyl Acetate	5.018	43	49596	14.587	ug/l	97
20) Methylene Chloride	5.271	84	16913	6.840	ug/l	# 81
25) 2-Butanone	7.483	43	11944	5.712	ug/l	# 75
37) Ethyl Acetate	7.559	43	32457	7.162	ug/l	97
43) Isopropyl Acetate	8.677	43	21114	3.001	ug/l	# 91

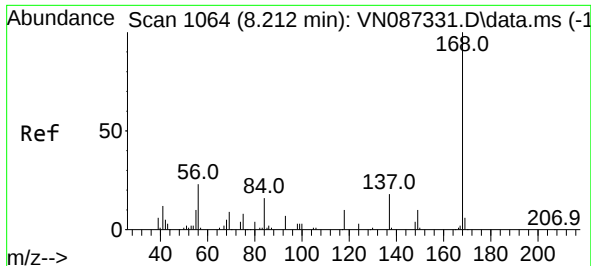
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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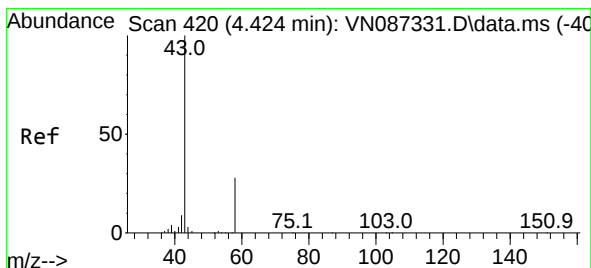
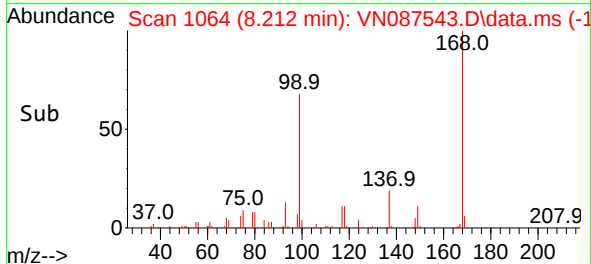
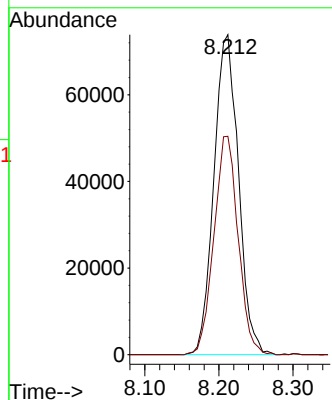
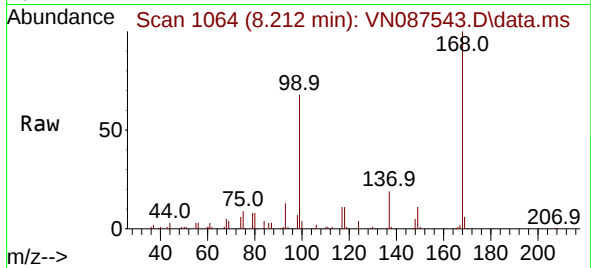




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VN087543.D
Acq: 13 Aug 2025 18:12

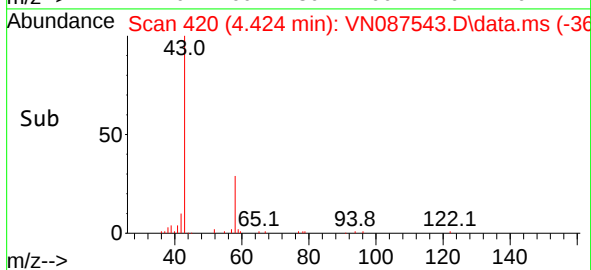
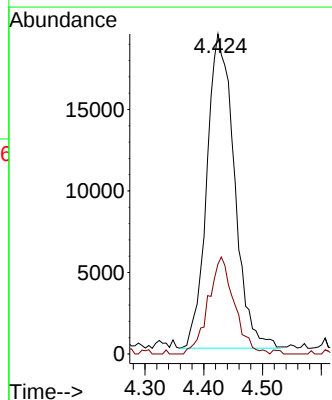
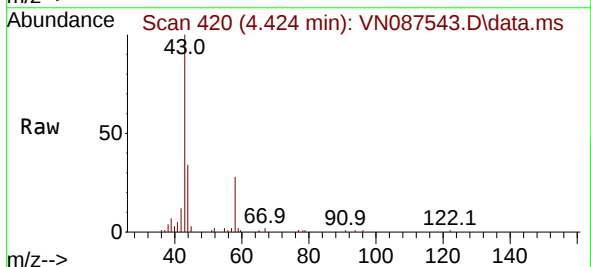
Instrument :
MSVOA_N
ClientSampleId :
TG-S05

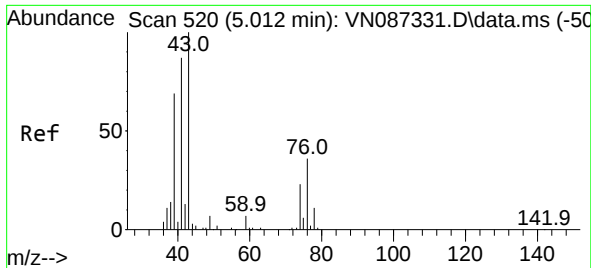
Tgt Ion:168 Resp: 170102
Ion Ratio Lower Upper
168 100
99 68.3 47.9 71.9



#16
Acetone
Concen: 46.364 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN087543.D
Acq: 13 Aug 2025 18:12

Tgt Ion: 43 Resp: 62744
Ion Ratio Lower Upper
43 100
58 28.6 22.3 33.5

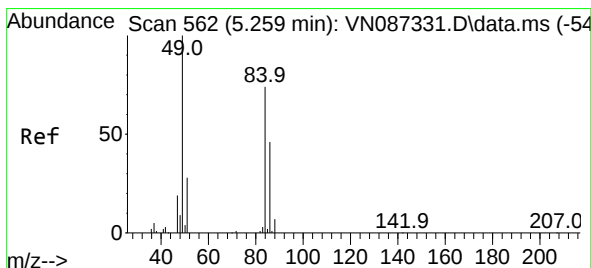
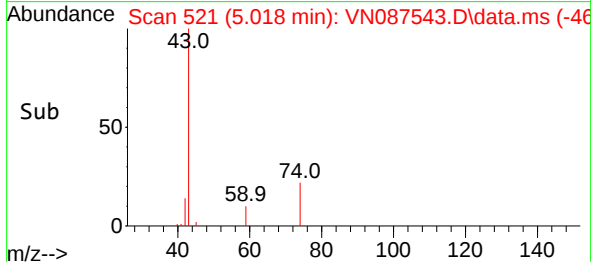
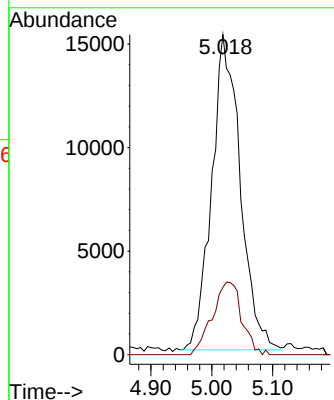
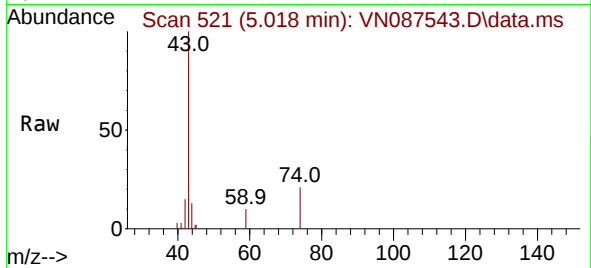




#18
Methyl Acetate
Concen: 14.587 ug/l
RT: 5.018 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN087543.D
Acq: 13 Aug 2025 18:12

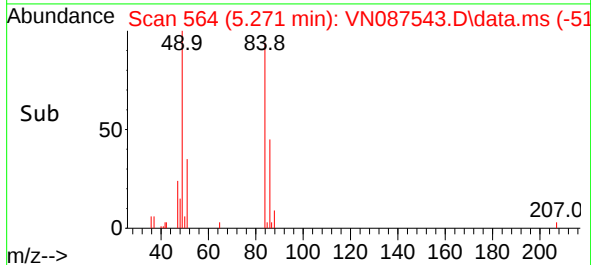
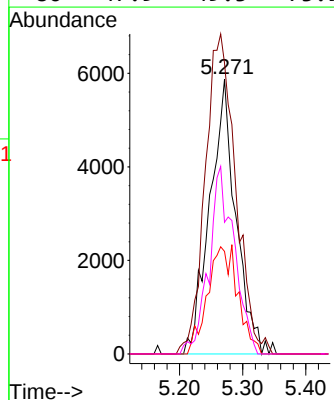
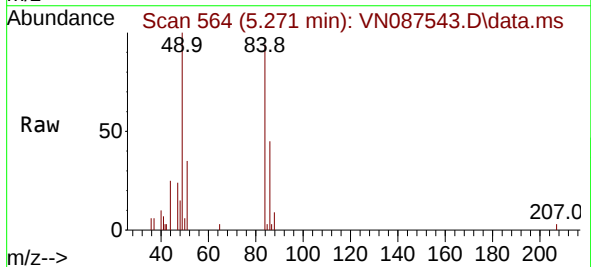
Instrument :
MSVOA_N
ClientSampleId :
TG-S05

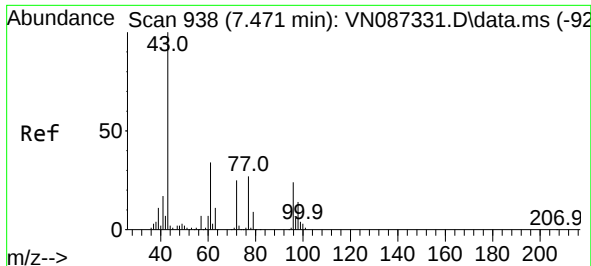
Tgt Ion: 43 Resp: 49596
Ion Ratio Lower Upper
43 100
74 23.7 17.8 26.6



#20
Methylene Chloride
Concen: 6.840 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.012 min
Lab File: VN087543.D
Acq: 13 Aug 2025 18:12

Tgt Ion: 84 Resp: 16913
Ion Ratio Lower Upper
84 100
49 105.9 107.5 161.3#
51 37.3 30.2 45.2
86 47.9 49.3 73.9#

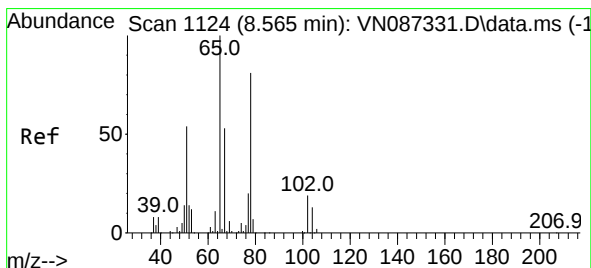
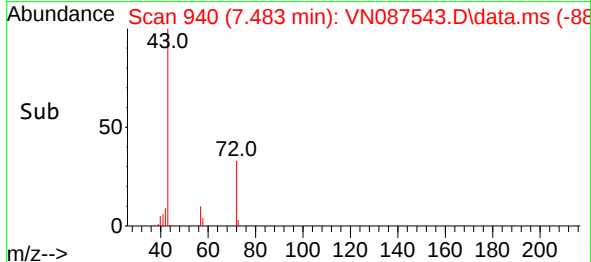
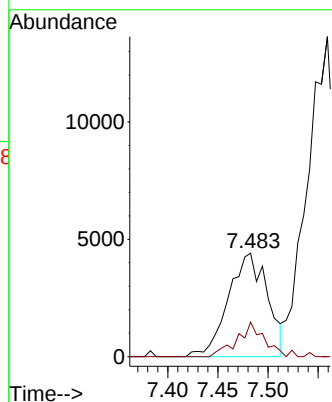
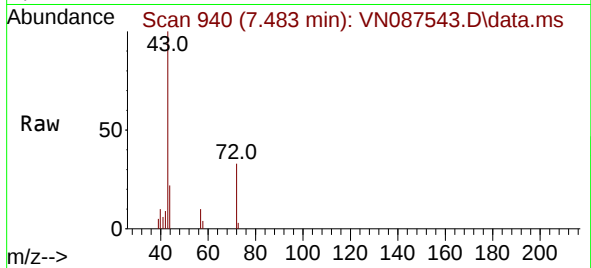




#25
2-Butanone
Concen: 5.712 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN087543.D
Acq: 13 Aug 2025 18:12

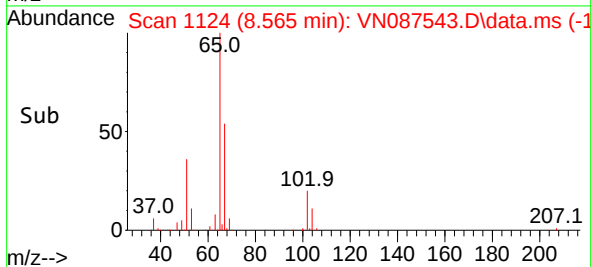
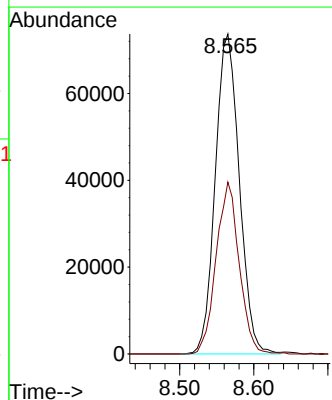
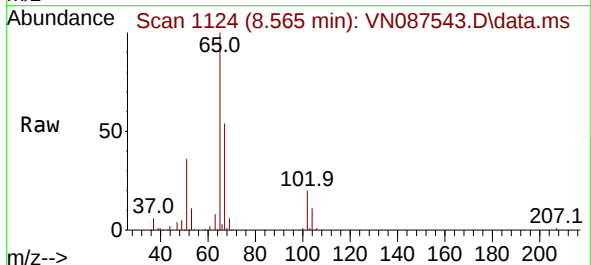
Instrument :
MSVOA_N
ClientSampleId :
TG-S05

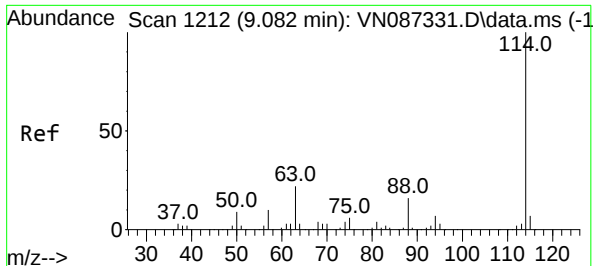
Tgt Ion: 43 Resp: 11944
Ion Ratio Lower Upper
43 100
72 36.8 19.6 29.4#



#33
1,2-Dichloroethane-d4
Concen: 57.511 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087543.D
Acq: 13 Aug 2025 18:12

Tgt Ion: 65 Resp: 165991
Ion Ratio Lower Upper
65 100
67 51.6 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 11

Delta R.T. 0.001 min

Lab File: VN087543.D

Acq: 13 Aug 2025 18:12

Instrument :

MSVOA_N

ClientSampleId :

TG-S05

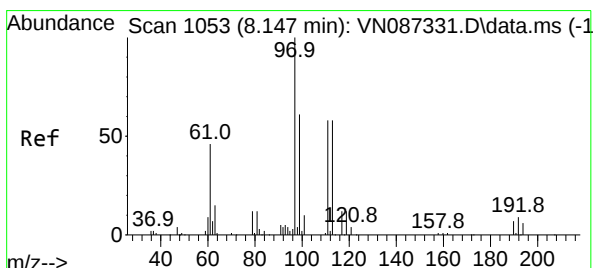
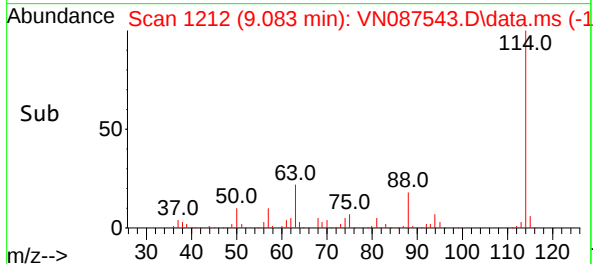
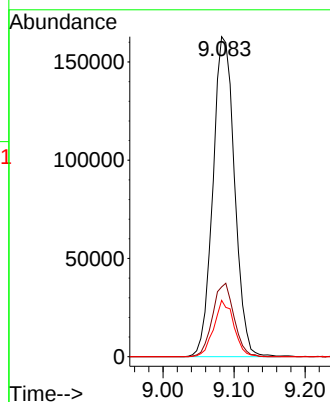
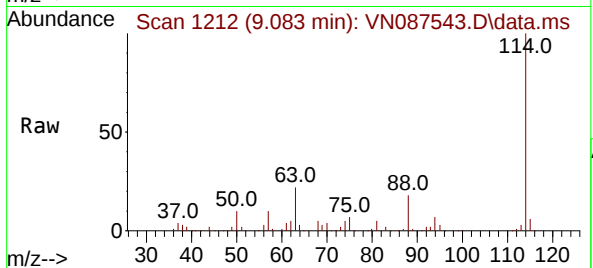
Tgt Ion:114 Resp: 344303

Ion Ratio Lower Upper

114 100

63 21.8 0.0 44.6

88 17.6 0.0 32.8



#35

Dibromofluoromethane

Concen: 47.357 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087543.D

Acq: 13 Aug 2025 18:12

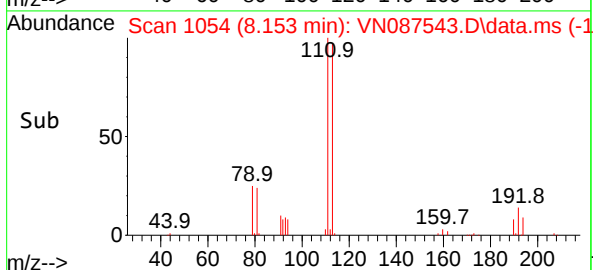
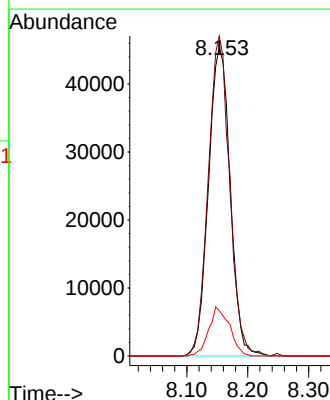
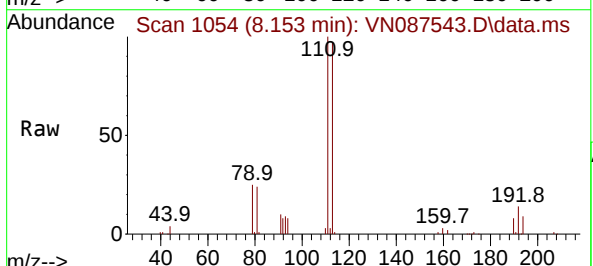
Tgt Ion:113 Resp: 112473

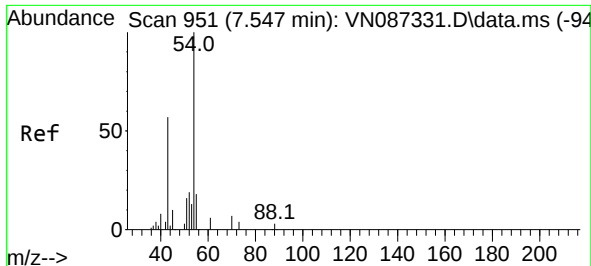
Ion Ratio Lower Upper

113 100

111 102.1 82.5 123.7

192 15.2 13.7 20.5





#37

Ethyl Acetate

Concen: 7.162 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN087543.D

Acq: 13 Aug 2025 18:12

Instrument :

MSVOA_N

ClientSampleId :

TG-S05

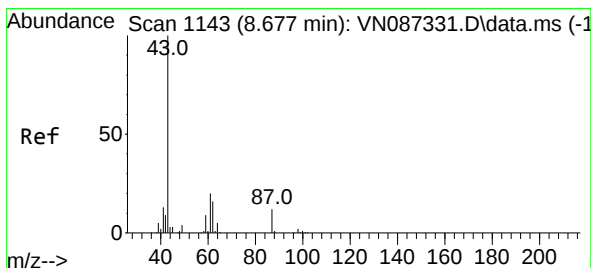
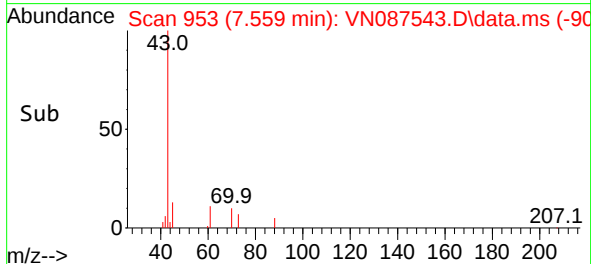
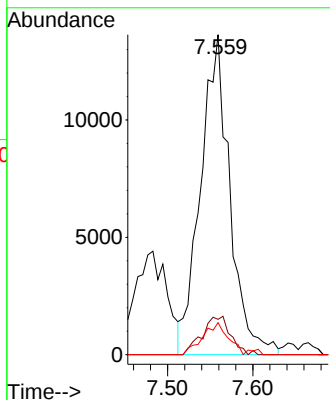
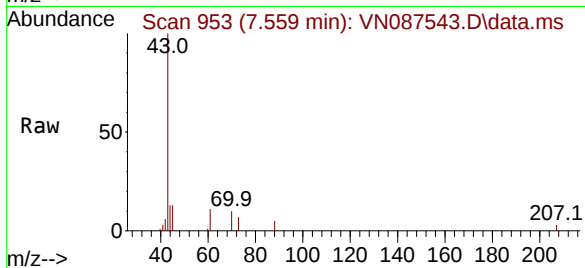
Tgt Ion: 43 Resp: 32457

Ion Ratio Lower Upper

43 100

61 11.7 10.9 16.3

70 8.8 7.4 11.0



#43

Isopropyl Acetate

Concen: 3.001 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. -0.000 min

Lab File: VN087543.D

Acq: 13 Aug 2025 18:12

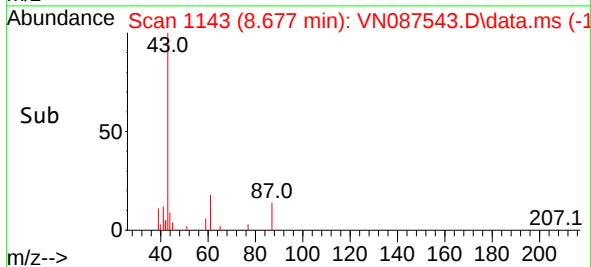
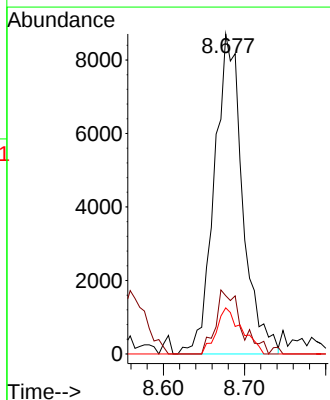
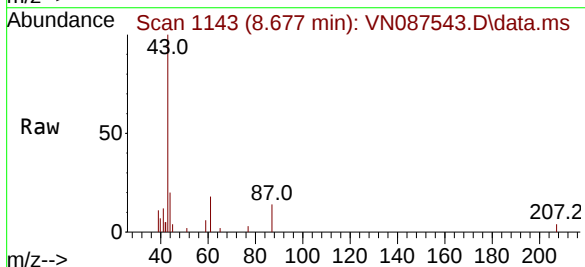
Tgt Ion: 43 Resp: 21114

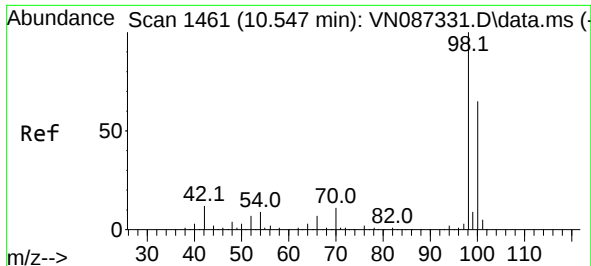
Ion Ratio Lower Upper

43 100

61 18.5 19.8 29.8#

87 12.9 9.8 14.6

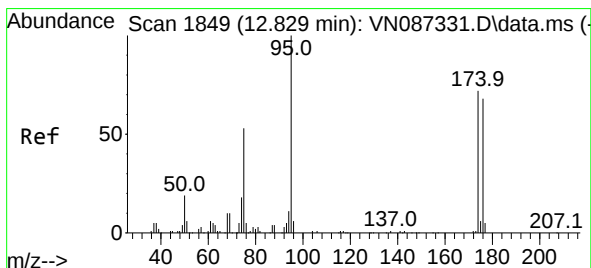
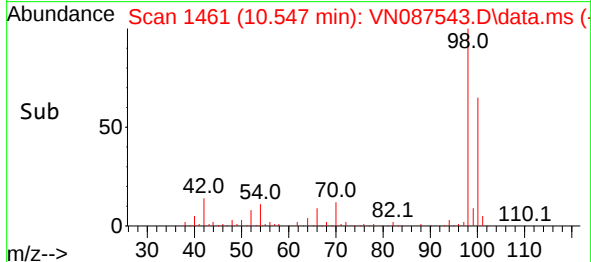
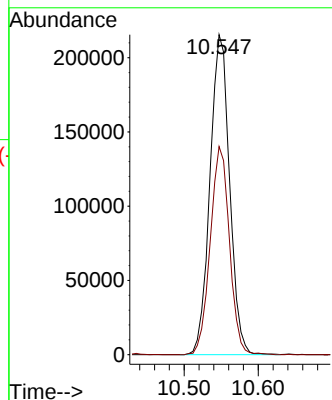
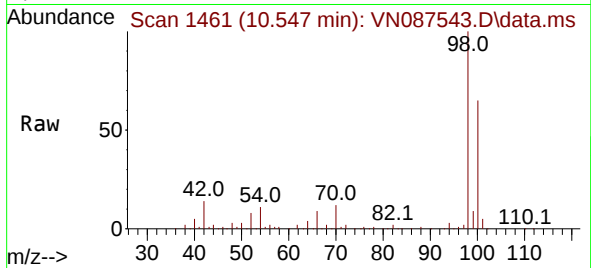




#50
Toluene-d8
Concen: 46.668 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087543.D
Acq: 13 Aug 2025 18:12

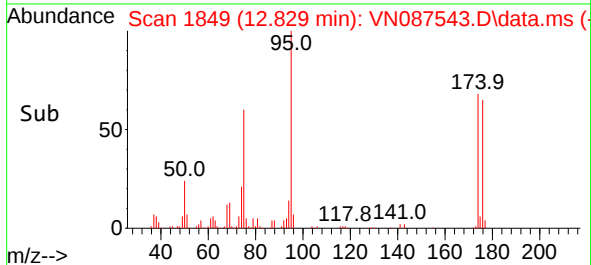
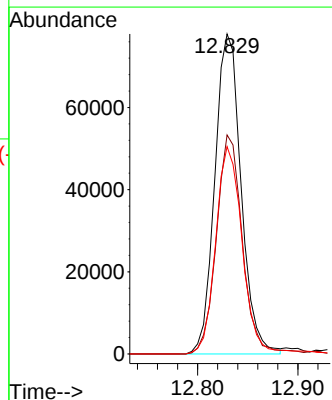
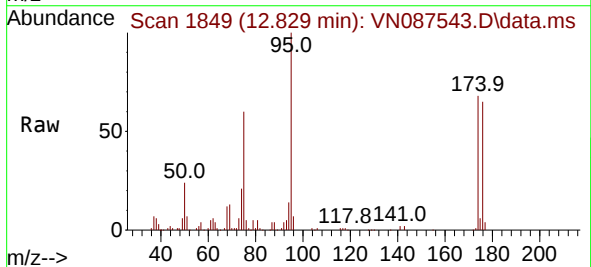
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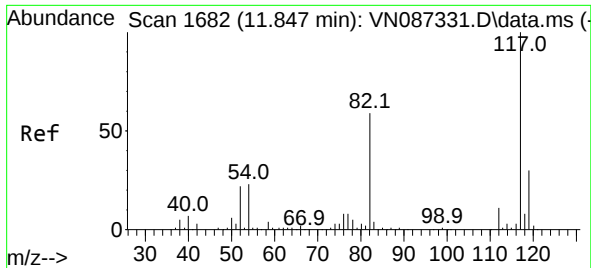
Tgt Ion: 98 Resp: 395365
Ion Ratio Lower Upper
98 100
100 63.7 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 45.263 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087543.D
Acq: 13 Aug 2025 18:12

Tgt Ion: 95 Resp: 141673
Ion Ratio Lower Upper
95 100
174 67.6 0.0 149.4
176 66.0 0.0 141.2

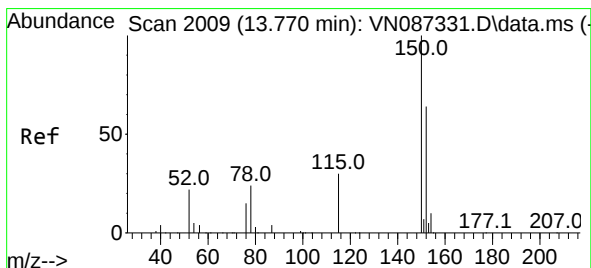
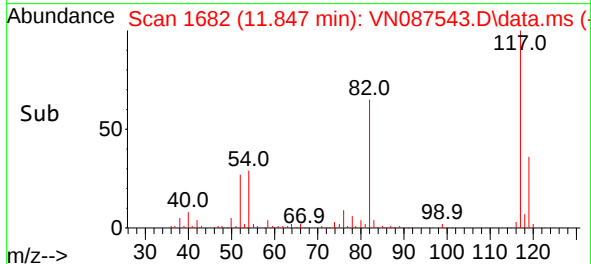
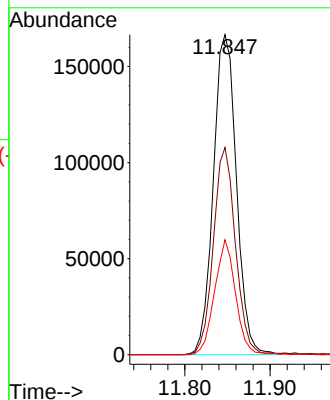
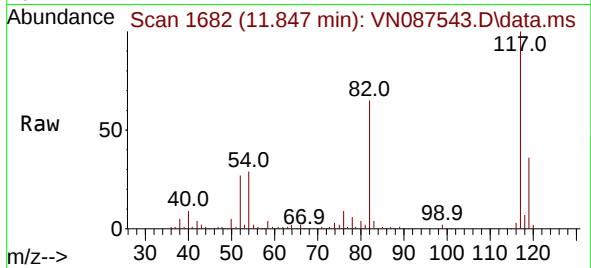




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087543.D
Acq: 13 Aug 2025 18:12

Instrument :
MSVOA_N
ClientSampleId :
TG-S05

Tgt Ion:117 Resp: 313708
Ion Ratio Lower Upper
117 100
82 64.7 47.4 71.2
119 35.9 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: VN087543.D
Acq: 13 Aug 2025 18:12

Tgt Ion:152 Resp: 145236
Ion Ratio Lower Upper
152 100
115 65.1 31.1 93.5
150 158.6 0.0 349.0

