

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081225\
 Data File : VN087510.D
 Acq On : 12 Aug 2025 13:41
 Operator : JC\MD
 Sample : Q2831-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-238

Quant Time: Aug 13 03:03:52 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)

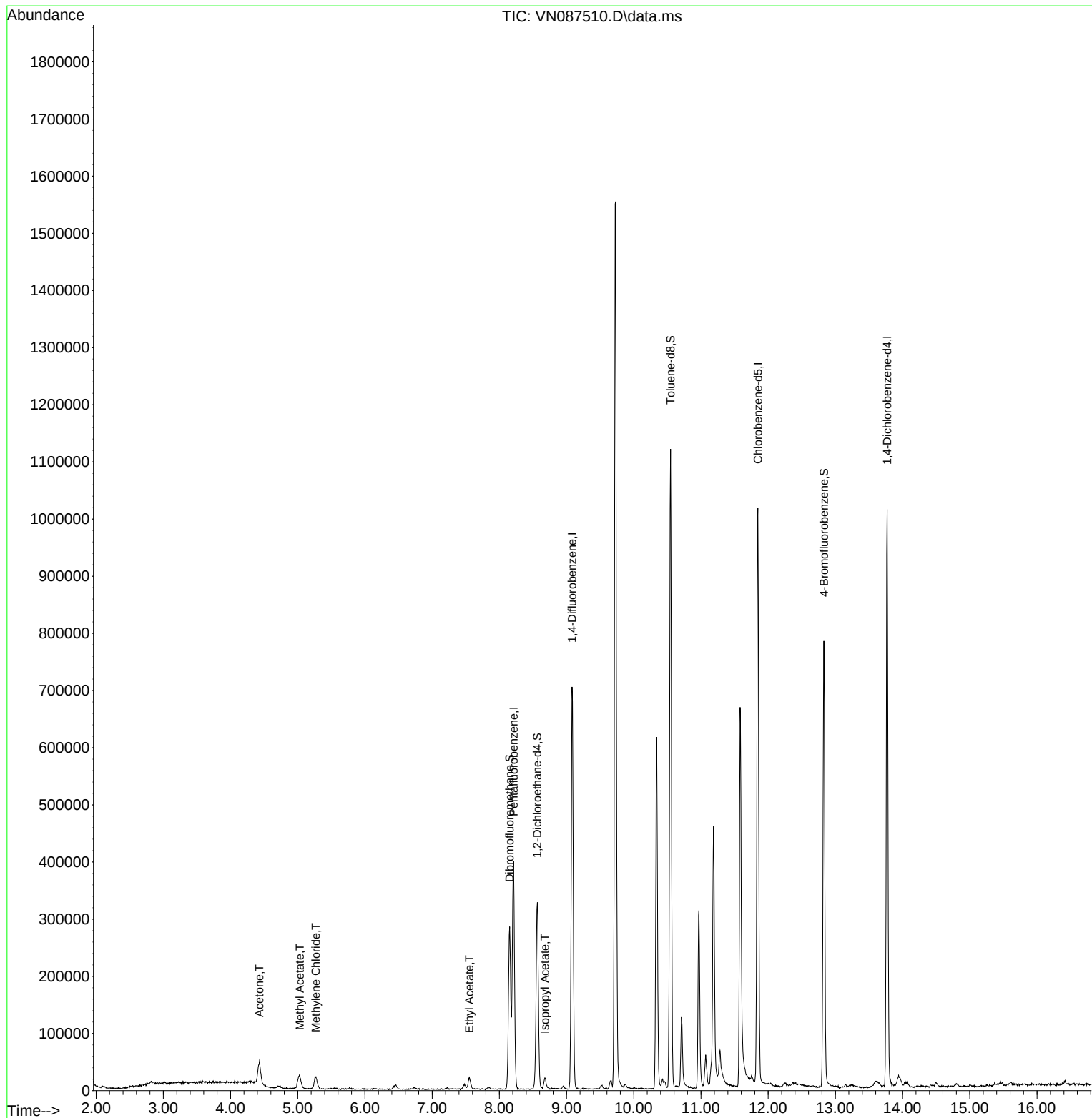
Internal Standards						
1) Pentafluorobenzene	8.212	168	262119	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	575320	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	548538	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	255246	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	277561	62.407	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 124.820%		
35) Dibromofluoromethane	8.153	113	202445	51.012	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 102.020%		
50) Toluene-d8	10.547	98	742049	52.418	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 104.840%		
62) 4-Bromofluorobenzene	12.829	95	281368	53.798	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 107.600%		
Target Compounds						
						Qvalue
16) Acetone	4.430	43	65213	31.272	ug/l	93
18) Methyl Acetate	5.030	43	55595	10.611	ug/l	100
20) Methylene Chloride	5.271	84	15919	3.926	ug/l	94
37) Ethyl Acetate	7.553	43	32199	4.252	ug/l	98
43) Isopropyl Acetate	8.677	43	24654	2.097	ug/l #	88

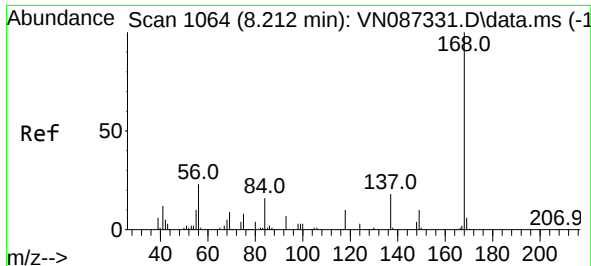
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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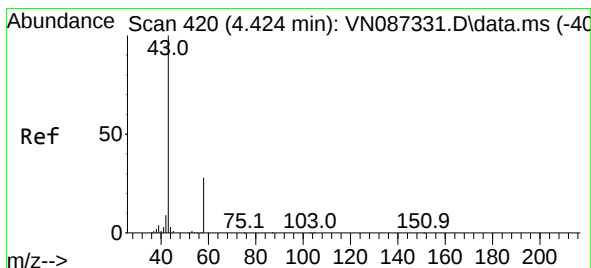
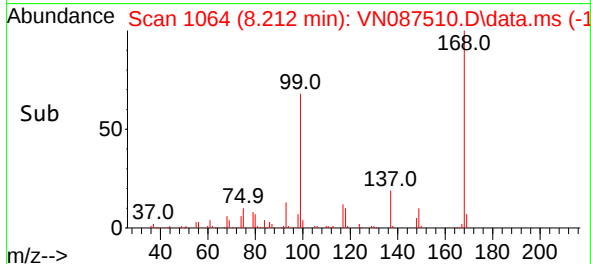
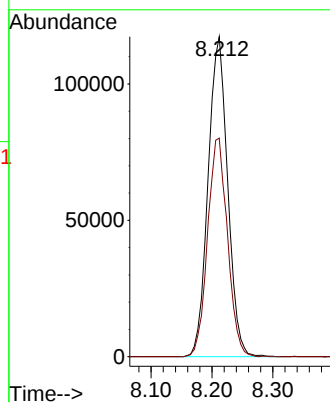
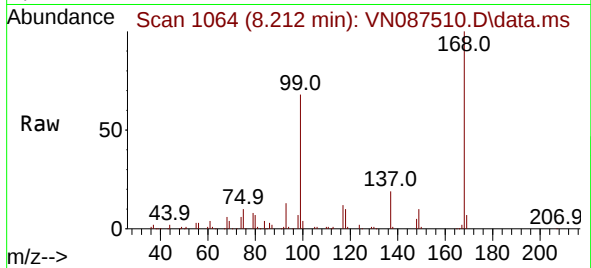




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VN087510.D
Acq: 12 Aug 2025 13:41

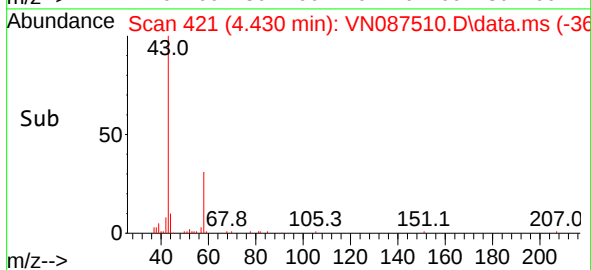
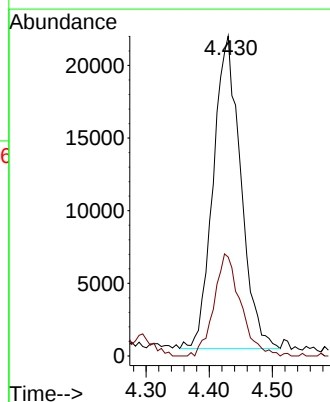
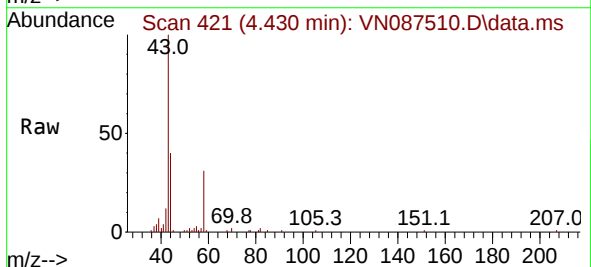
Instrument :
MSVOA_N
ClientSampleId :
VNJ-238

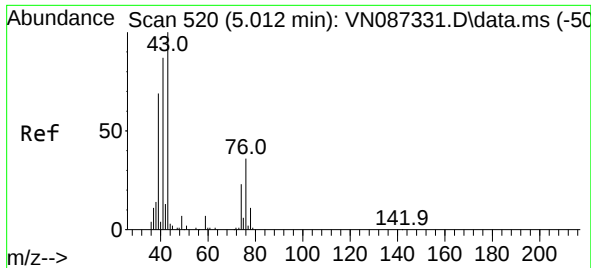
Tgt Ion:168 Resp: 262119
Ion Ratio Lower Upper
168 100
99 68.3 47.9 71.9



#16
Acetone
Concen: 31.272 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN087510.D
Acq: 12 Aug 2025 13:41

Tgt Ion: 43 Resp: 65213
Ion Ratio Lower Upper
43 100
58 31.7 22.3 33.5

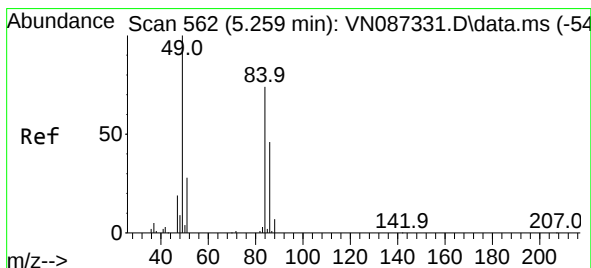
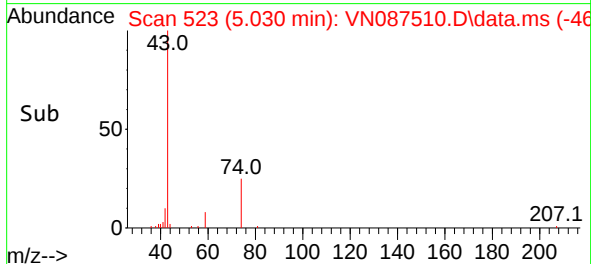
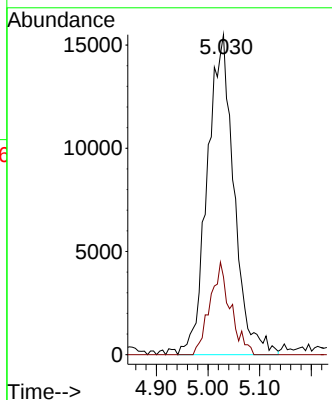
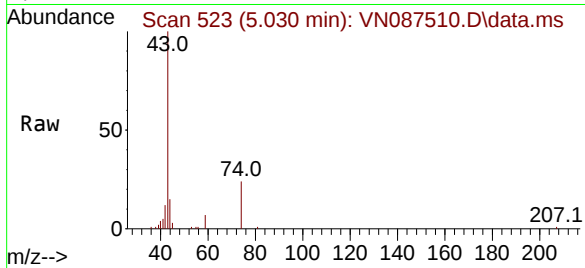




#18
Methyl Acetate
Concen: 10.611 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN087510.D
Acq: 12 Aug 2025 13:41

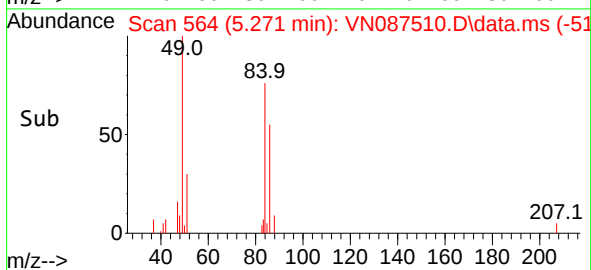
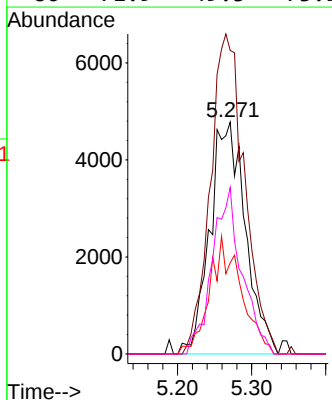
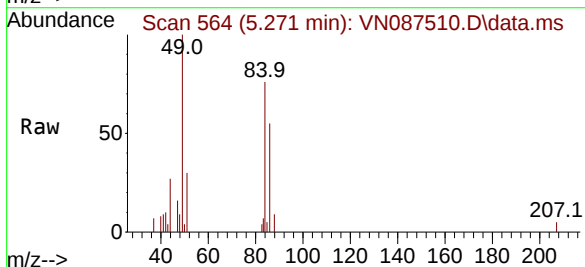
Instrument :
MSVOA_N
ClientSampleId :
VNJ-238

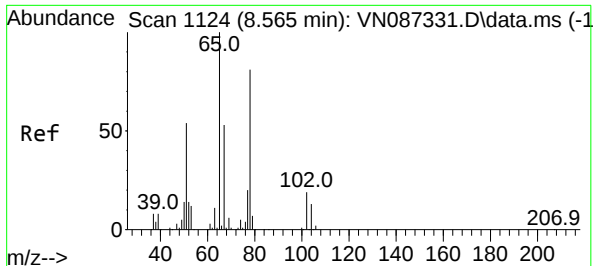
Tgt Ion: 43 Resp: 55595
Ion Ratio Lower Upper
43 100
74 22.3 17.8 26.6



#20
Methylene Chloride
Concen: 3.926 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.012 min
Lab File: VN087510.D
Acq: 12 Aug 2025 13:41

Tgt Ion: 84 Resp: 15919
Ion Ratio Lower Upper
84 100
49 130.9 107.5 161.3
51 39.4 30.2 45.2
86 71.9 49.3 73.9





#33

1,2-Dichloroethane-d4

Concen: 62.407 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.000 min

Lab File: VN087510.D

Acq: 12 Aug 2025 13:41

Instrument :

MSVOA_N

ClientSampleId :

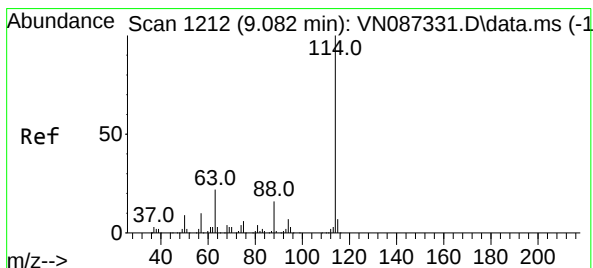
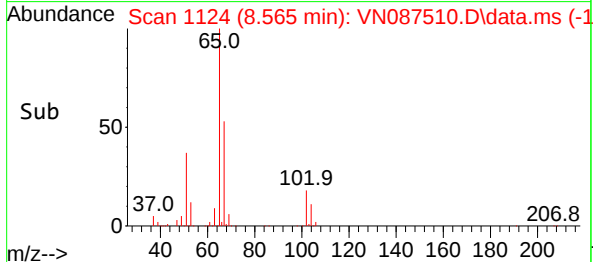
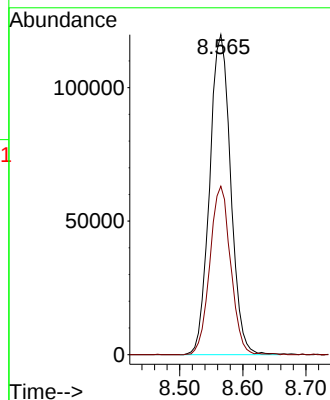
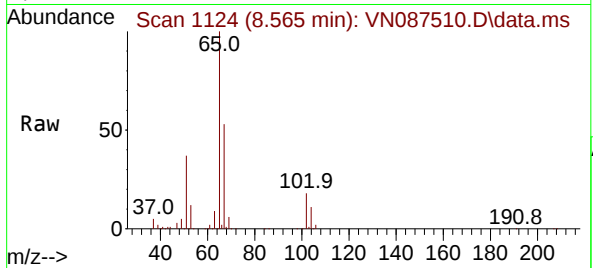
VNJ-238

Tgt Ion: 65 Resp: 277561

Ion Ratio Lower Upper

65 100

67 52.0 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.001 min

Lab File: VN087510.D

Acq: 12 Aug 2025 13:41

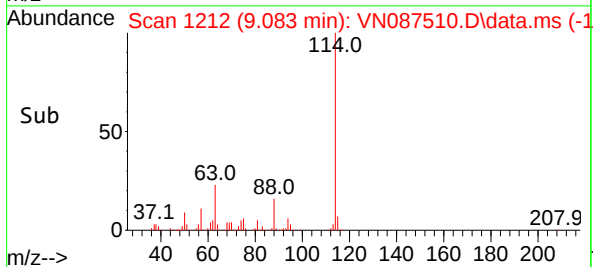
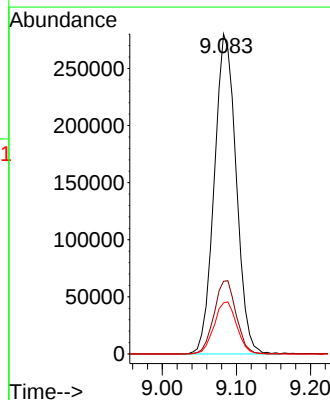
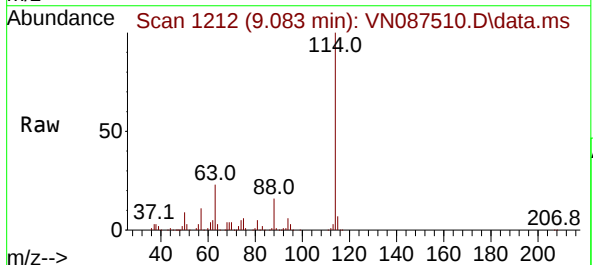
Tgt Ion: 114 Resp: 575320

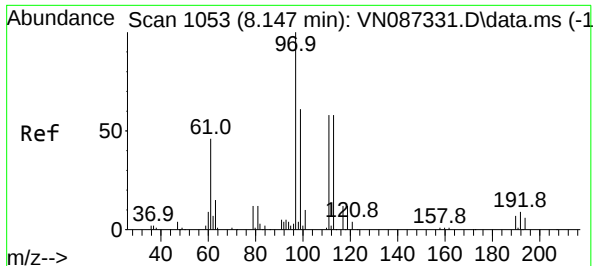
Ion Ratio Lower Upper

114 100

63 22.7 0.0 44.6

88 16.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.012 ug/l

RT: 8.153 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN087510.D

Acq: 12 Aug 2025 13:41

Instrument :

MSVOA_N

ClientSampleId :

VNJ-238

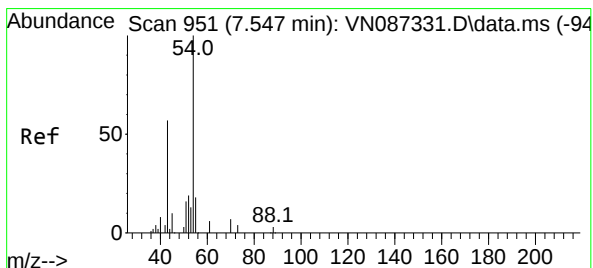
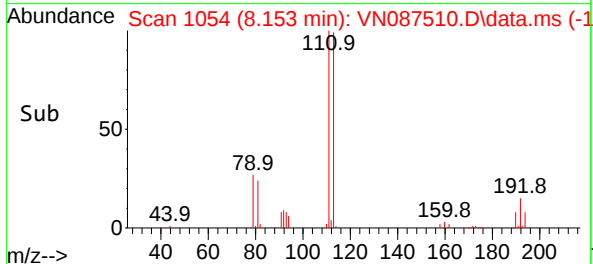
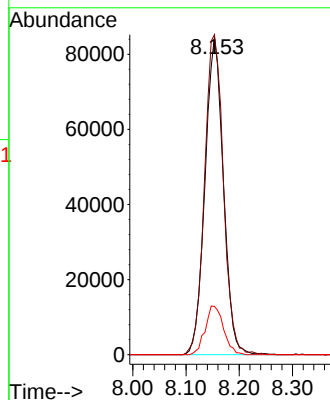
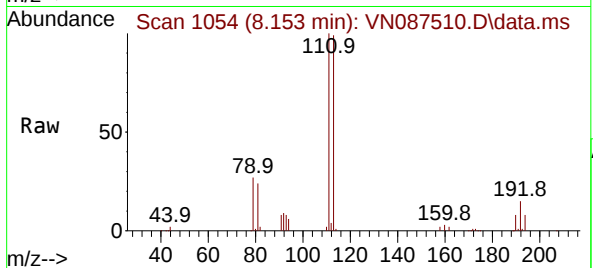
Tgt Ion:113 Resp: 202445

Ion Ratio Lower Upper

113 100

111 103.2 82.5 123.7

192 15.3 13.7 20.5



#37

Ethyl Acetate

Concen: 4.252 ug/l

RT: 7.553 min Scan# 952

Delta R.T. 0.006 min

Lab File: VN087510.D

Acq: 12 Aug 2025 13:41

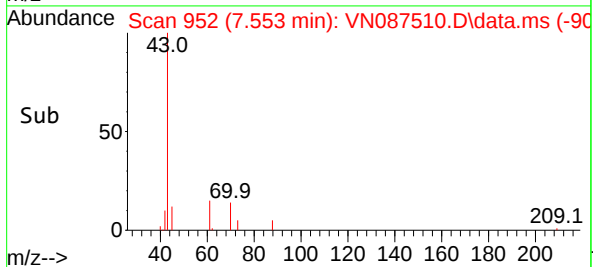
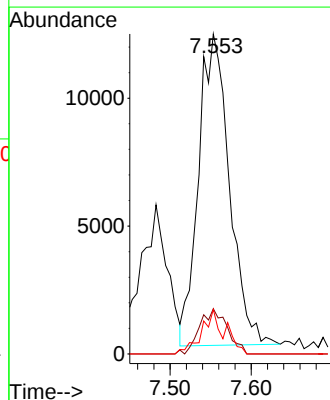
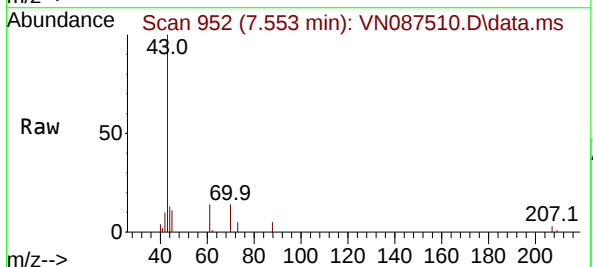
Tgt Ion: 43 Resp: 32199

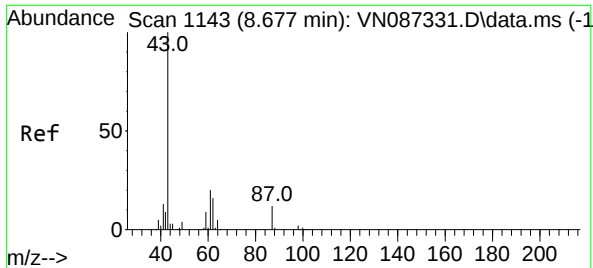
Ion Ratio Lower Upper

43 100

61 13.0 10.9 16.3

70 8.0 7.4 11.0

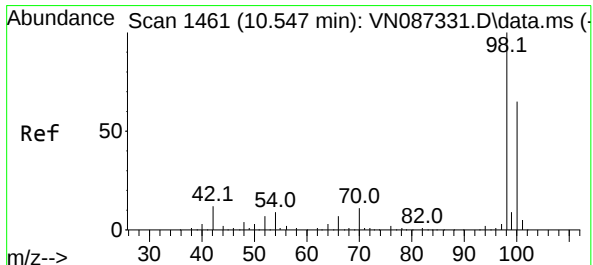
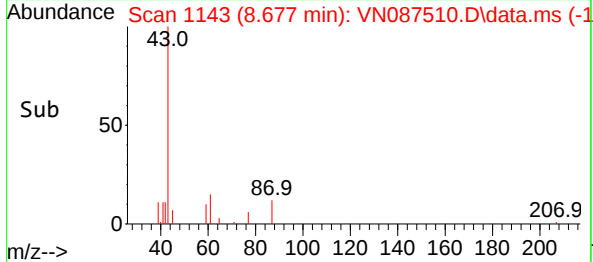
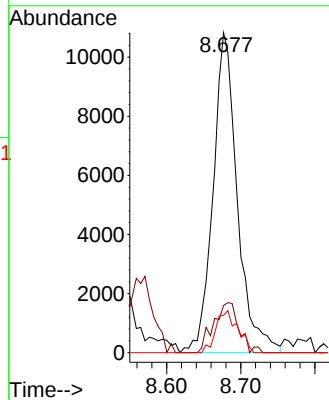
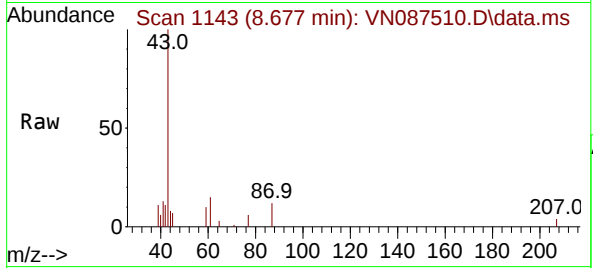




#43
Isopropyl Acetate
Concen: 2.097 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN087510.D
Acq: 12 Aug 2025 13:41

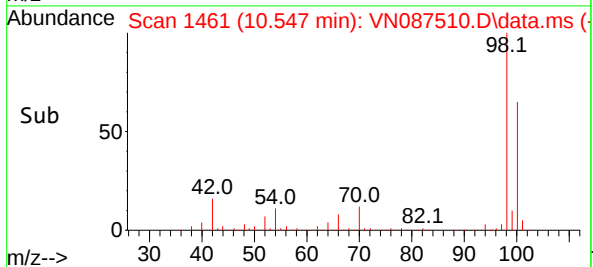
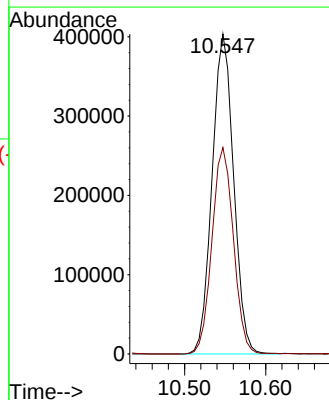
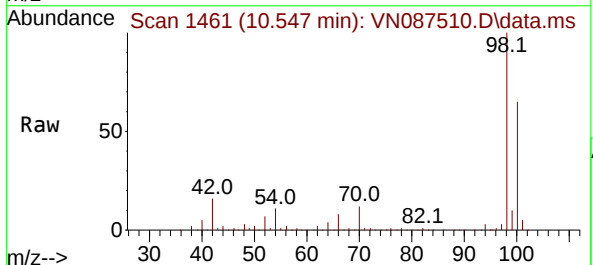
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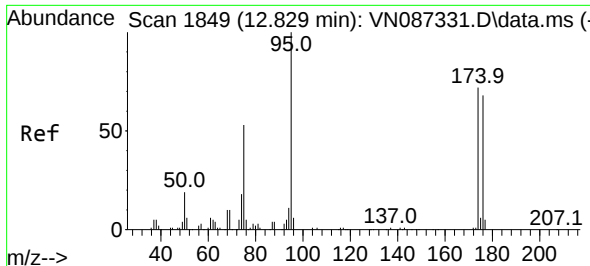
Tgt Ion: 43 Resp: 24654
Ion Ratio Lower Upper
43 100
61 16.3 19.8 29.8#
87 11.8 9.8 14.6



#50
Toluene-d8
Concen: 52.418 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087510.D
Acq: 12 Aug 2025 13:41

Tgt Ion: 98 Resp: 742049
Ion Ratio Lower Upper
98 100
100 64.5 52.1 78.1

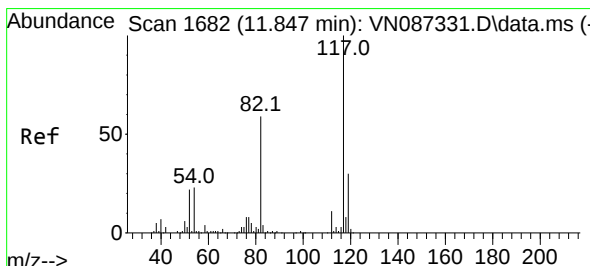
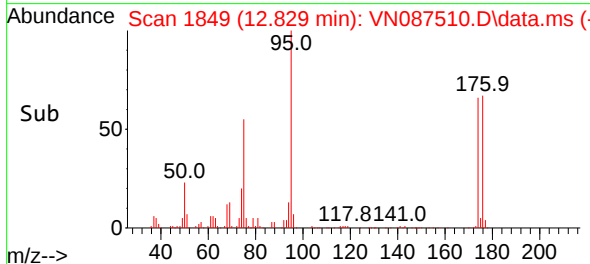
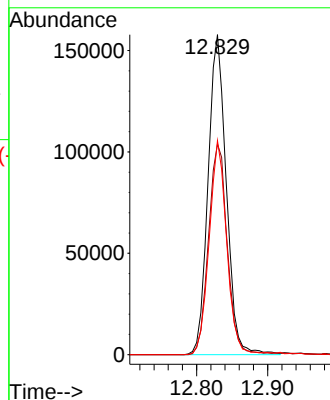
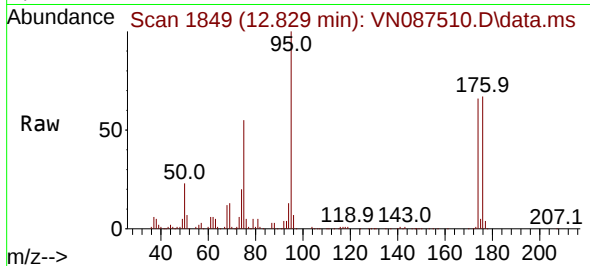




#62
4-Bromofluorobenzene
Concen: 53.798 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087510.D
Acq: 12 Aug 2025 13:41

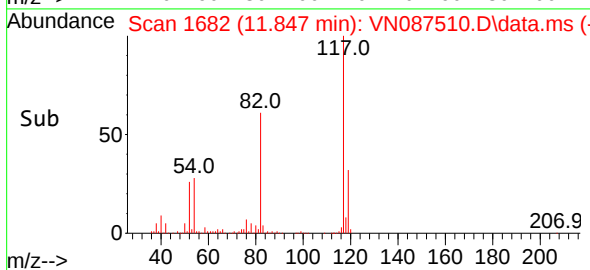
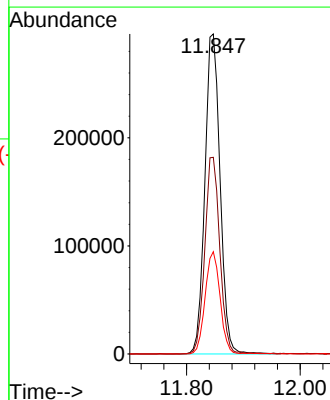
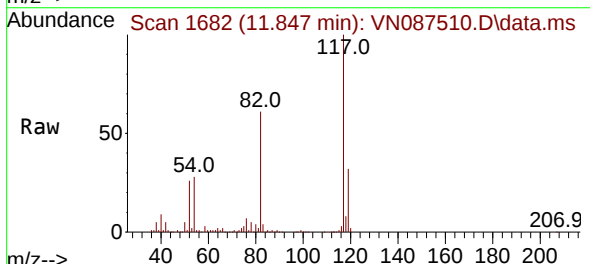
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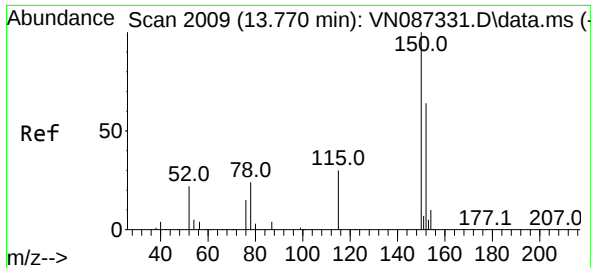
Tgt Ion: 95 Resp: 281368
Ion Ratio Lower Upper
95 100
174 67.6 0.0 149.4
176 64.0 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN087510.D
Acq: 12 Aug 2025 13:41

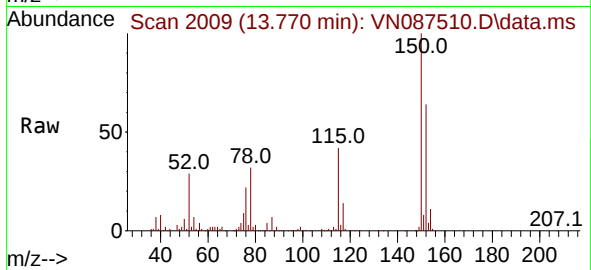
Tgt Ion: 117 Resp: 548538
Ion Ratio Lower Upper
117 100
82 61.5 47.4 71.2
119 32.0 23.8 35.8





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN087510.D
 Acq: 12 Aug 2025 13:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-238



Tgt Ion:152 Resp: 255246
 Ion Ratio Lower Upper
 152 100
 115 65.6 31.1 93.5
 150 157.6 0.0 349.0

