

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
 Data File : VN087451.D
 Acq On : 05 Aug 2025 12:58
 Operator : JC\MD
 Sample : VN0805WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0805WBL01

Quant Time: Aug 06 02:11:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 06 02:01:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

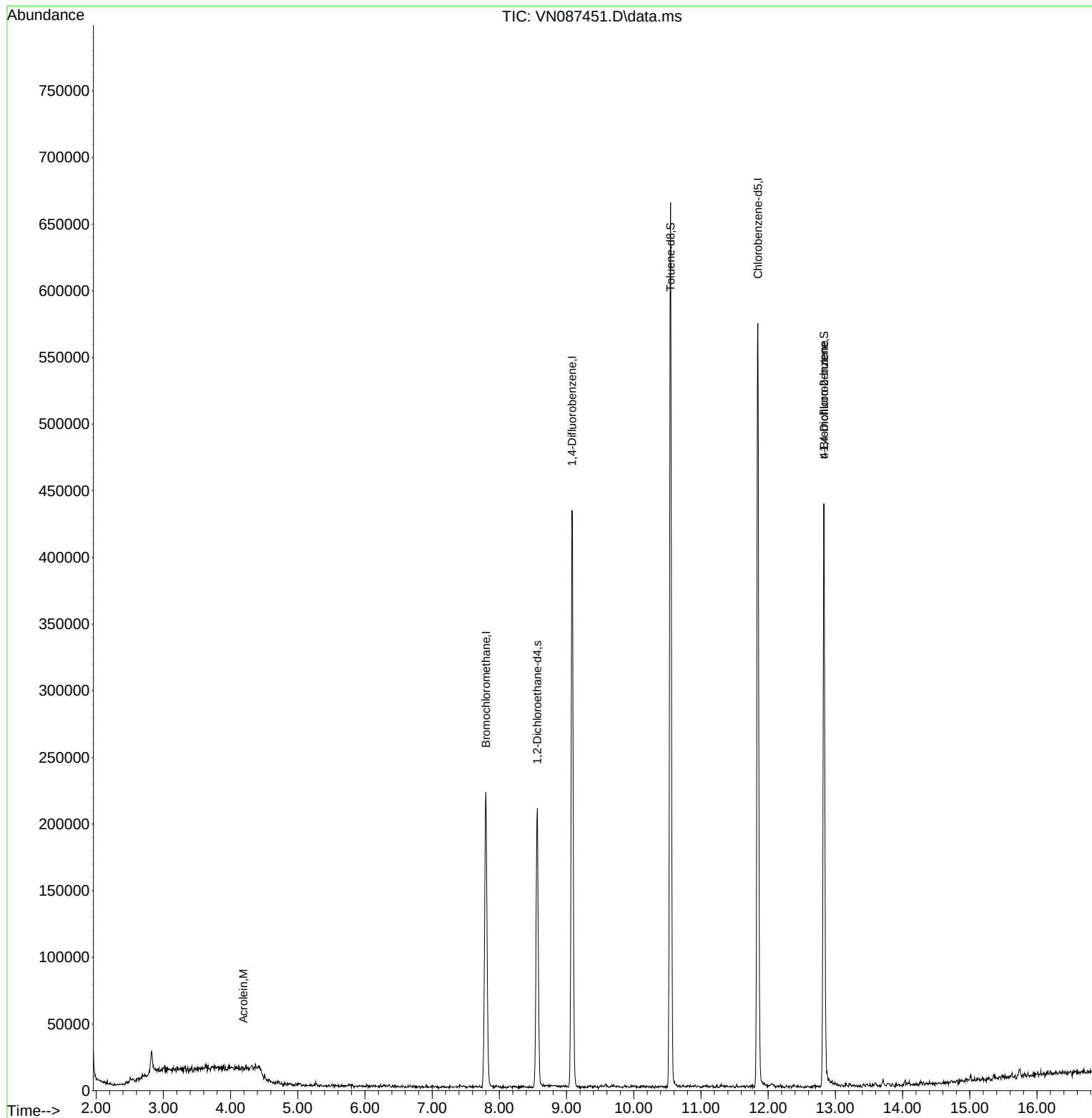
Internal Standards						
1) Bromochloromethane	7.800	128	70384	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	354106	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	314034	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	176744	27.225	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	90.767%#
60) 4-Bromofluorobenzene	12.829	95	151738	28.077	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.600%
63) Toluene-d8	10.547	98	431667	29.874	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.567%
Target Compounds						
13) Acrolein	4.189	56	825	0.759	ug/l	Qvalue 99
77) t-1,4-Dichloro-2-butene	12.829	75	91726	38.302	ug/l #	3

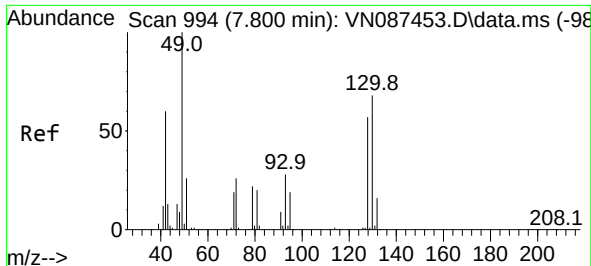
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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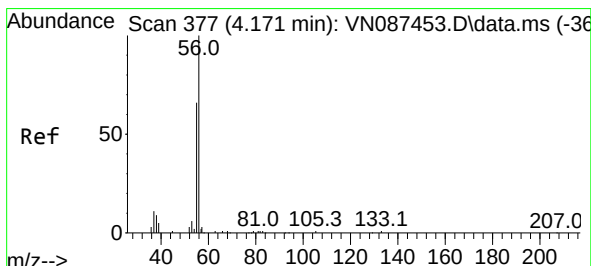
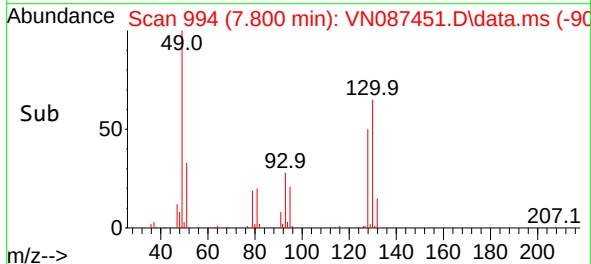
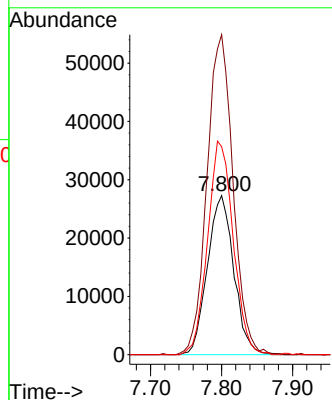
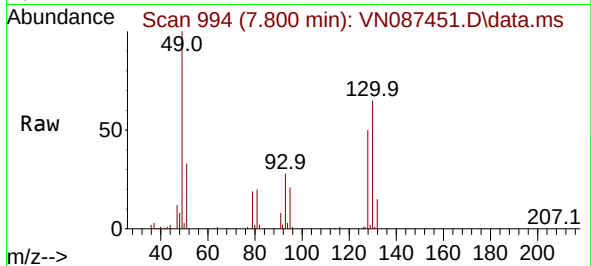




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 994
Delta R.T. 0.000 min
Lab File: VN087451.D
Acq: 05 Aug 2025 12:58

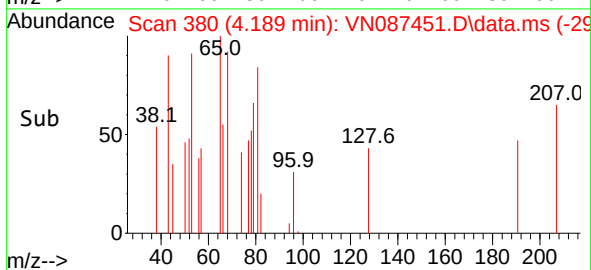
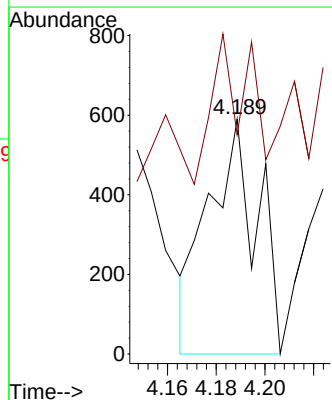
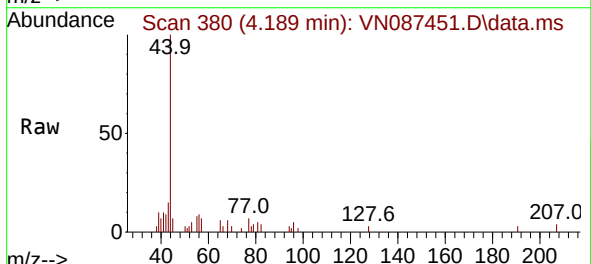
Instrument :
MSVOA_N
ClientSampleId :
VN0805WBL01

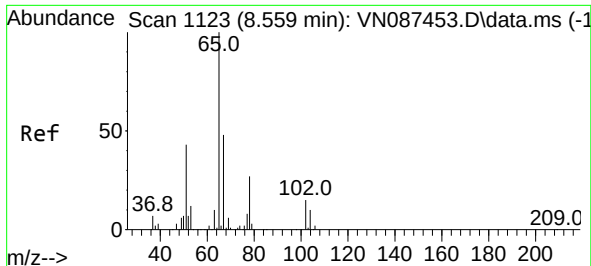
Tgt Ion:128 Resp: 70384
Ion Ratio Lower Upper
128 100
49 198.9 0.0 494.8
130 130.8 0.0 321.5



#13
Acrolein
Concen: 0.759 ug/l
RT: 4.189 min Scan# 380
Delta R.T. 0.018 min
Lab File: VN087451.D
Acq: 05 Aug 2025 12:58

Tgt Ion: 56 Resp: 825
Ion Ratio Lower Upper
56 100
55 72.1 57.4 86.0





#27

1,2-Dichloroethane-d4

Concen: 27.225 ug/l

RT: 8.565 min Scan# 1123

Delta R.T. 0.006 min

Lab File: VN087451.D

Acq: 05 Aug 2025 12:58

Instrument :

MSVOA_N

ClientSampleId :

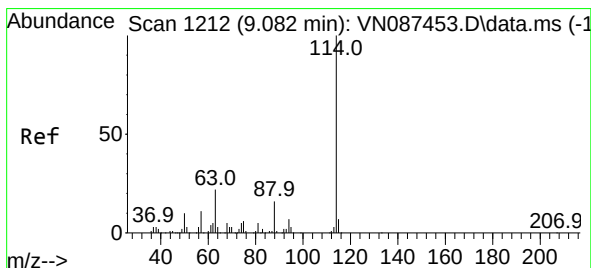
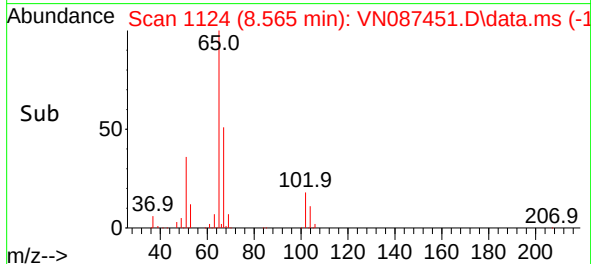
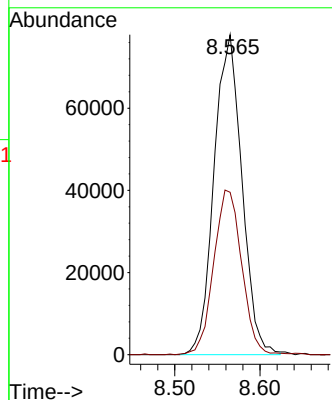
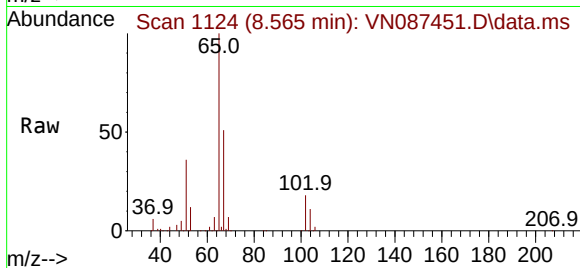
VN0805WBL01

Tgt Ion: 65 Resp: 176744

Ion Ratio Lower Upper

65 100

67 51.6 40.8 61.2



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN087451.D

Acq: 05 Aug 2025 12:58

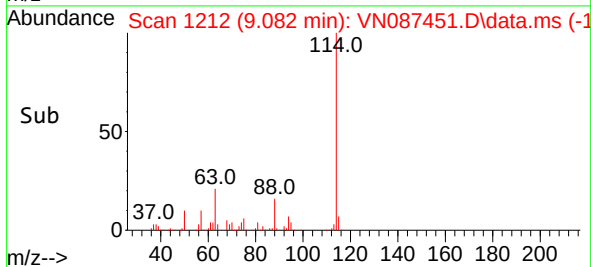
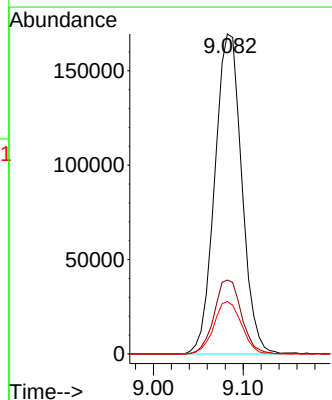
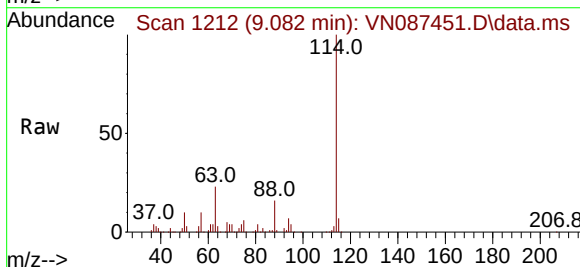
Tgt Ion: 114 Resp: 354106

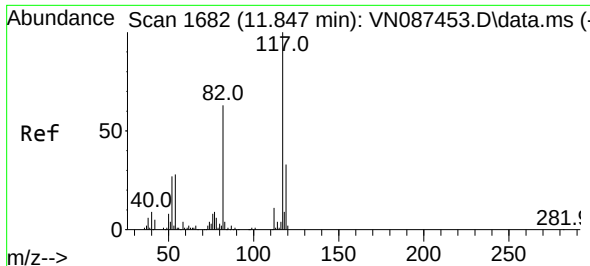
Ion Ratio Lower Upper

114 100

63 23.4 18.9 28.3

88 16.8 13.1 19.7

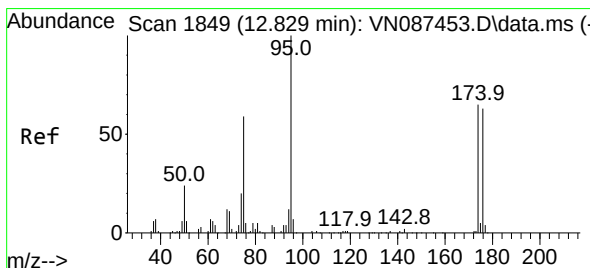
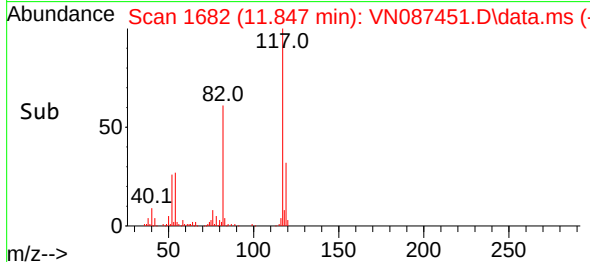
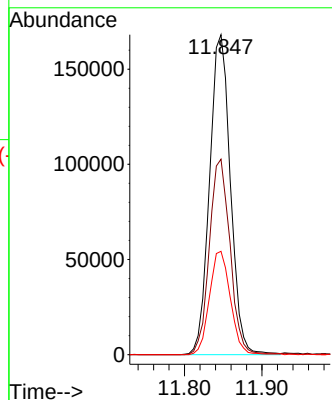
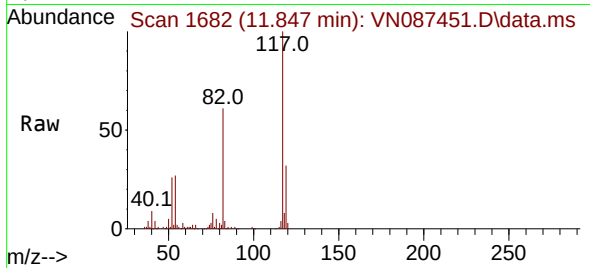




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087451.D
Acq: 05 Aug 2025 12:58

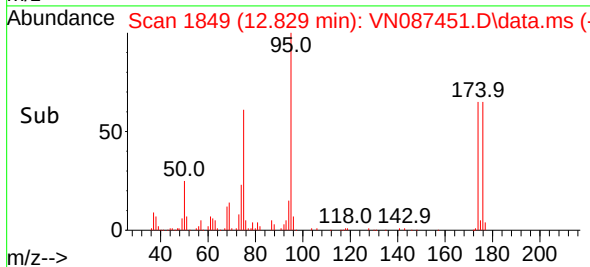
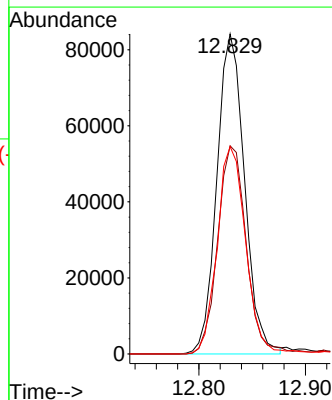
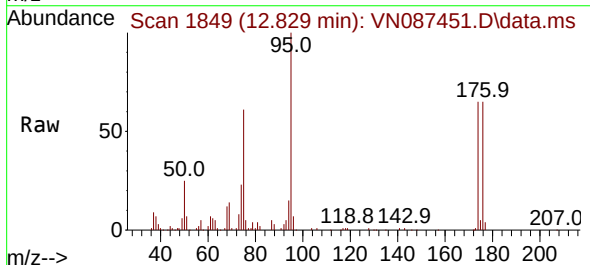
Instrument :
MSVOA_N
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VN0805WBL01

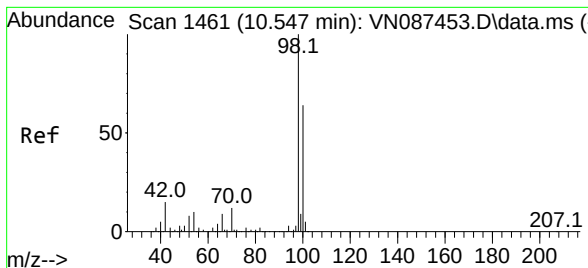
Tgt Ion:117 Resp: 314034
Ion Ratio Lower Upper
117 100
82 60.6 49.2 73.8
119 32.4 25.7 38.5



#60
4-Bromofluorobenzene
Concen: 28.077 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN087451.D
Acq: 05 Aug 2025 12:58

Tgt Ion: 95 Resp: 151738
Ion Ratio Lower Upper
95 100
174 67.1 52.3 78.5
176 67.0 49.8 74.8

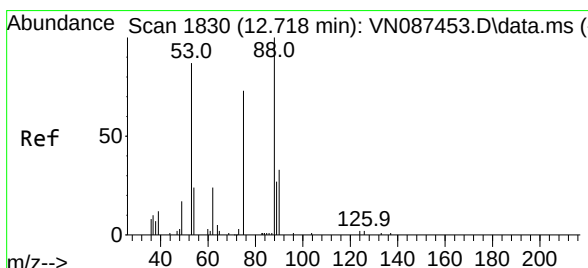
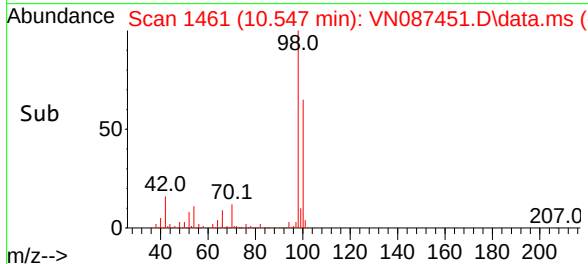
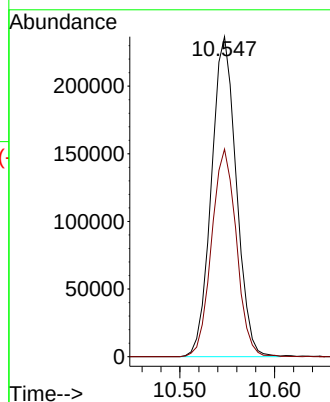
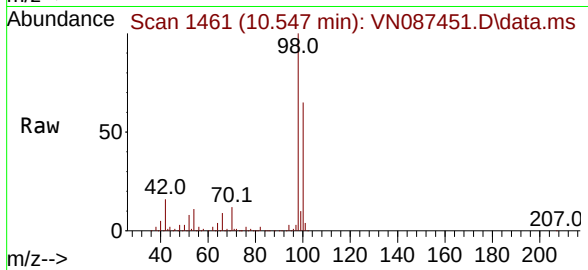




#63
Toluene-d8
Concen: 29.874 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087451.D
Acq: 05 Aug 2025 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN0805WBL01

Tgt Ion: 98 Resp: 431667
Ion Ratio Lower Upper
98 100
100 64.5 50.5 75.7



#77
t-1,4-Dichloro-2-butene
Concen: 38.302 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087451.D
Acq: 05 Aug 2025 12:58

Tgt Ion: 75 Resp: 91726
Ion Ratio Lower Upper
75 100
53 0.0 59.0 176.8#
89 0.0 22.1 66.5#

