

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
 Data File : VN087461.D
 Acq On : 05 Aug 2025 17:32
 Operator : JC\MD
 Sample : VN0805WBL02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0805WBL02

Quant Time: Aug 06 02:43:33 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)

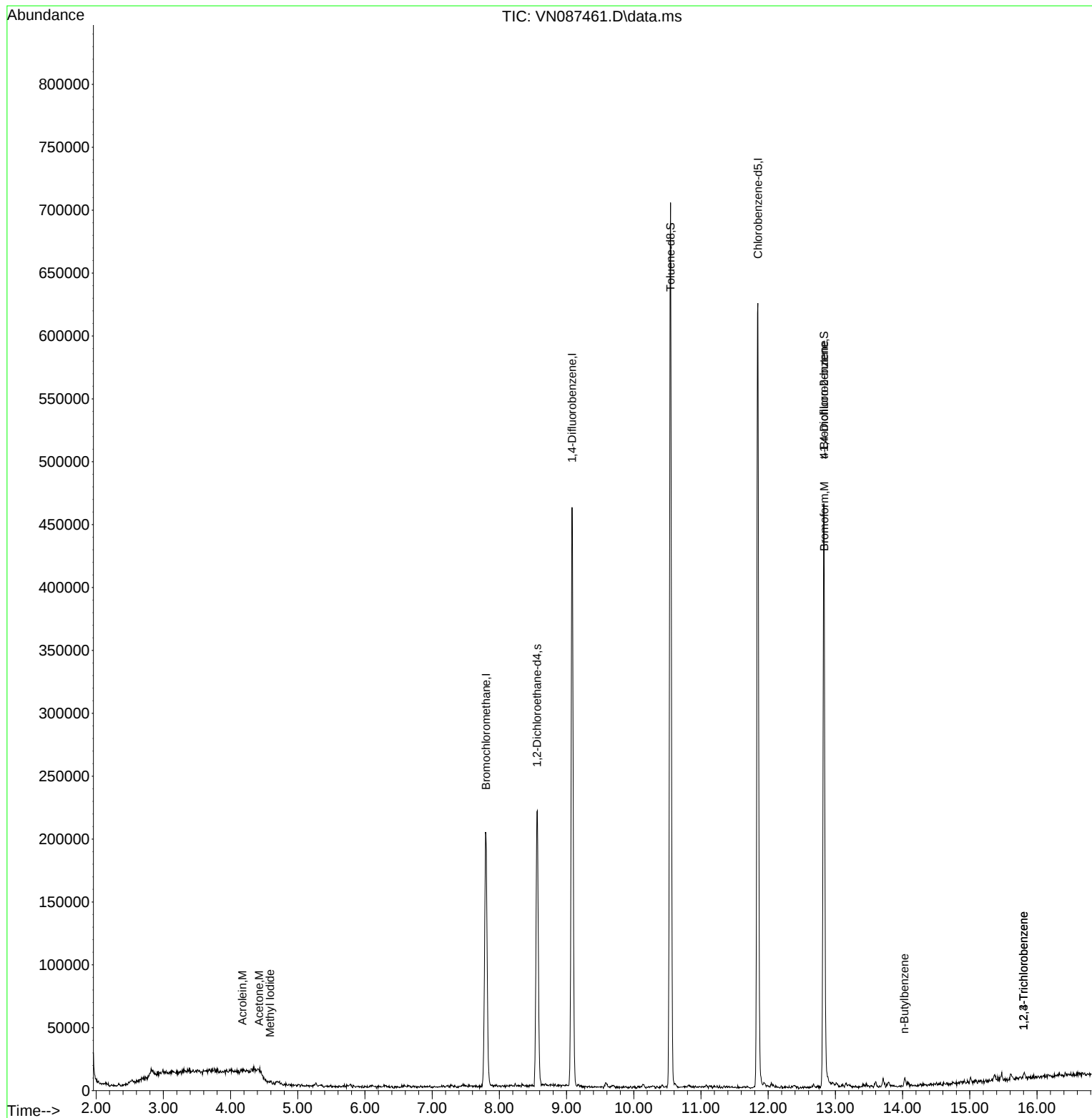
Internal Standards						
1) Bromochloromethane	7.800	128	68205	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	376206	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	334367	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	192416	30.586	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.967%
60) 4-Bromofluorobenzene	12.829	95	162550	28.249	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	94.167%
63) Toluene-d8	10.547	98	462100	30.036	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.133%
Target Compounds						
					Qvalue	
11) Methyl Iodide	4.589	142	790	0.269	ug/l #	39
13) Acrolein	4.177	56	729	0.692	ug/l	87
15) Acetone	4.424	58	355	0.413	ug/l #	1
56) Bromoform	12.835	173	1369	0.381	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.829	75	96353	37.787	ug/l #	3
85) n-Butylbenzene	14.029	91	3944	0.219	ug/l	92
89) 1,2,4-Trichlorobenzene	15.800	180	1330	0.250	ug/l #	85
92) 1,2,3-Trichlorobenzene	15.800	180	1330	0.250	ug/l	85

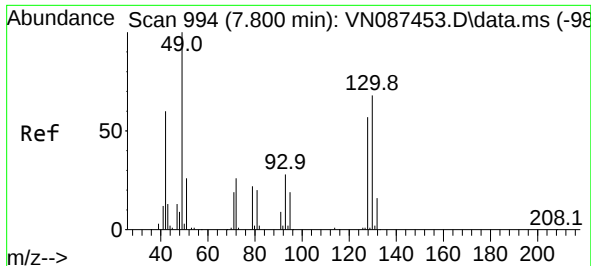
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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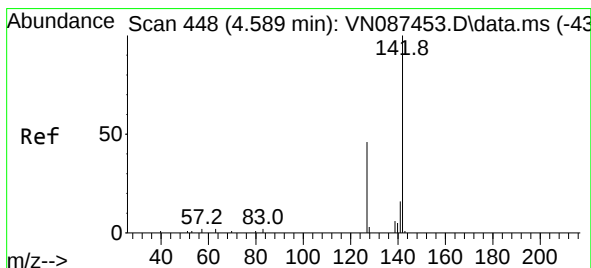
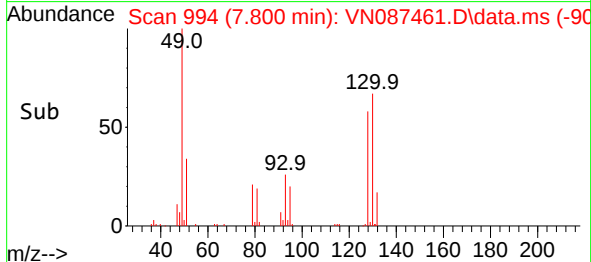
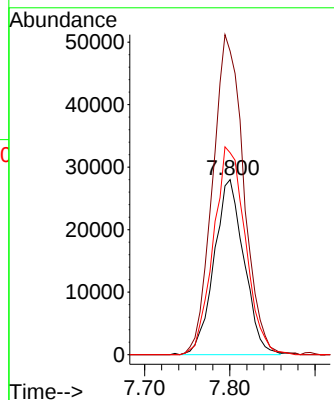
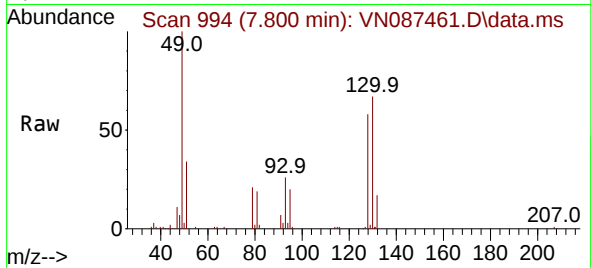




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 994
Delta R.T. 0.000 min
Lab File: VN087461.D
Acq: 05 Aug 2025 17:32

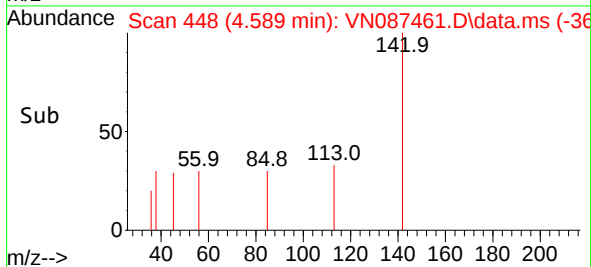
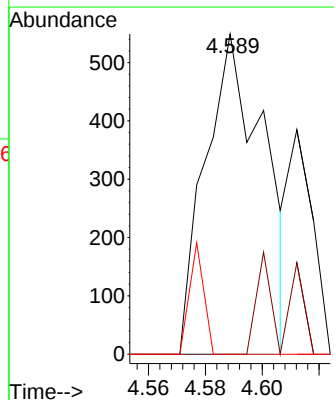
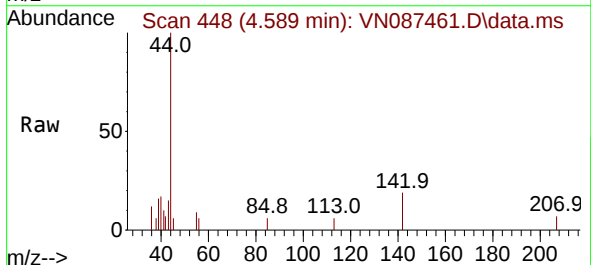
Instrument :
MSVOA_N
ClientSampleId :
VN0805WBL02

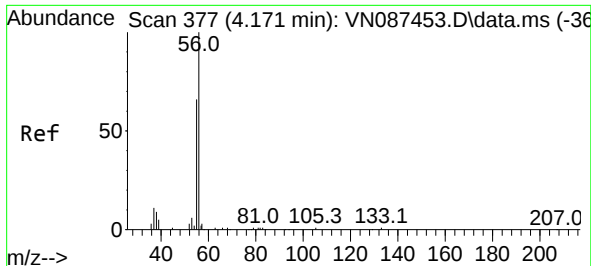
Tgt Ion:128 Resp: 68205
Ion Ratio Lower Upper
128 100
49 189.8 0.0 494.8
130 127.1 0.0 321.5



#11
Methyl Iodide
Concen: 0.269 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.000 min
Lab File: VN087461.D
Acq: 05 Aug 2025 17:32

Tgt Ion:142 Resp: 790
Ion Ratio Lower Upper
142 100
127 0.0 22.9 68.7#
141 0.0 7.7 23.1#

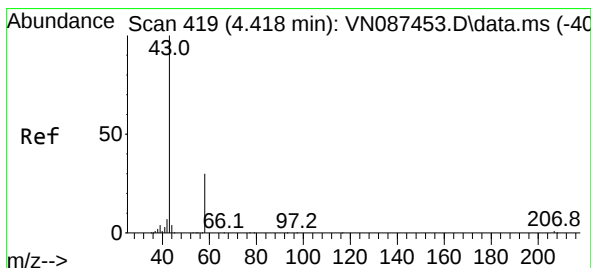
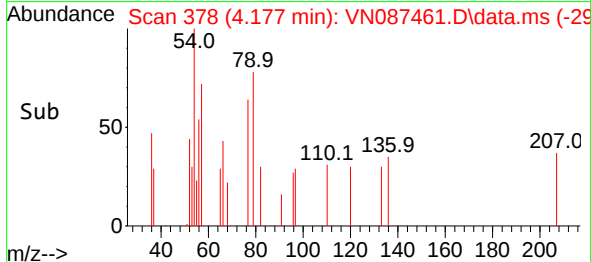
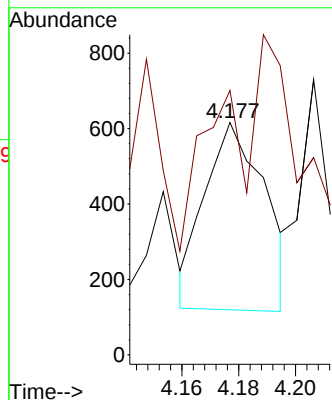
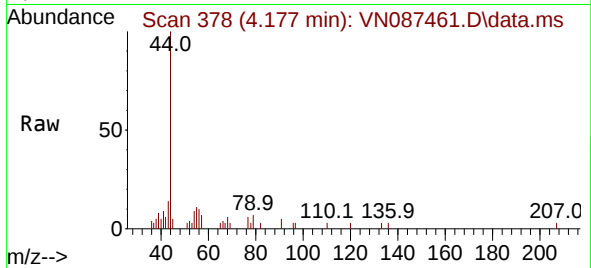




#13
Acrolein
Concen: 0.692 ug/l
RT: 4.177 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN087461.D
Acq: 05 Aug 2025 17:32

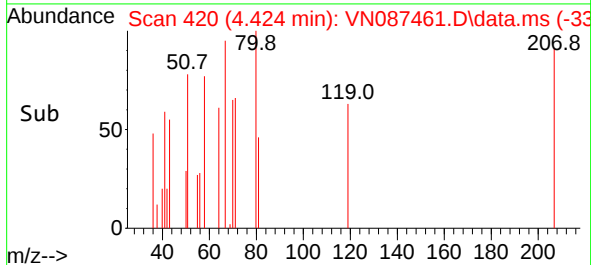
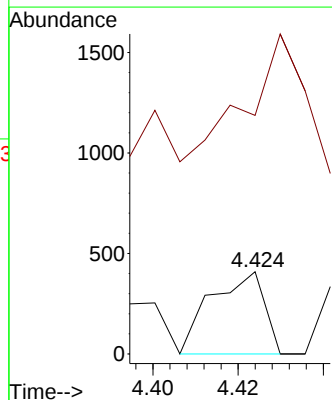
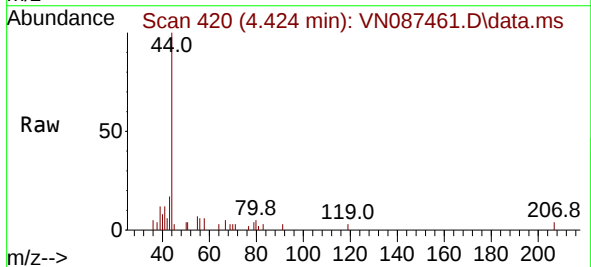
Instrument :
MSVOA_N
ClientSampleId :
VN0805WBL02

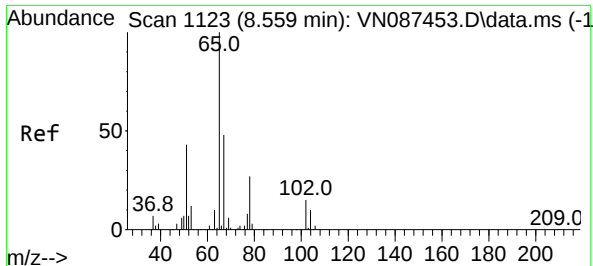
Tgt Ion: 56 Resp: 729
Ion Ratio Lower Upper
56 100
55 61.2 57.4 86.0



#15
Acetone
Concen: 0.413 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN087461.D
Acq: 05 Aug 2025 17:32

Tgt Ion: 58 Resp: 355
Ion Ratio Lower Upper
58 100
43 56.5 268.9 403.3#





#27

1,2-Dichloroethane-d4

Concen: 30.586 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN087461.D

Acq: 05 Aug 2025 17:32

Instrument :

MSVOA_N

ClientSampleId :

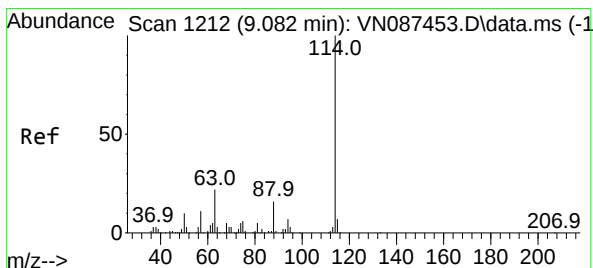
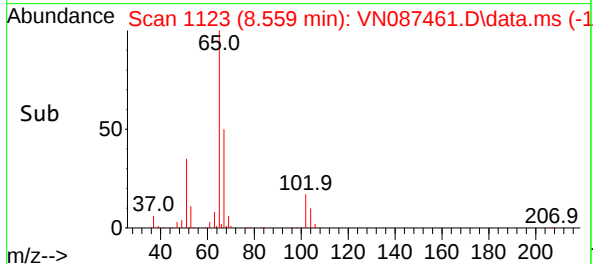
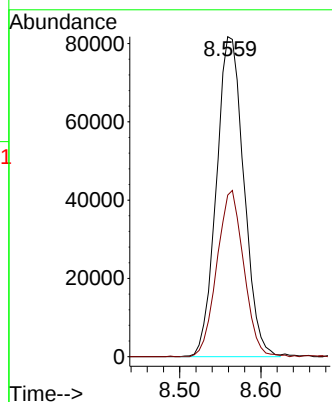
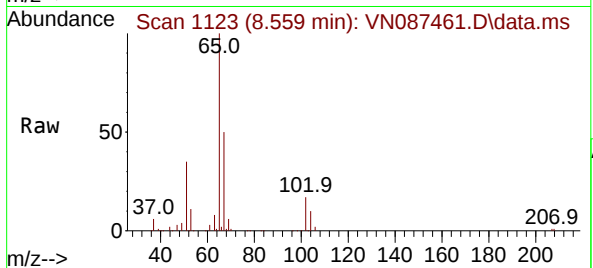
VN0805WBL02

Tgt Ion: 65 Resp: 192416

Ion Ratio Lower Upper

65 100

67 50.8 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: VN087461.D

Acq: 05 Aug 2025 17:32

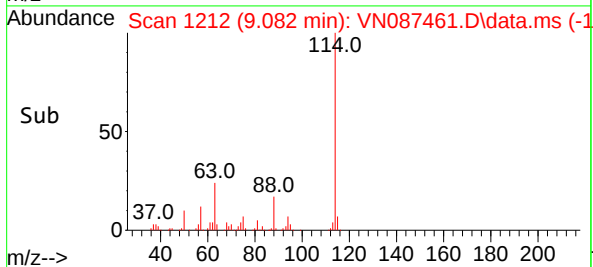
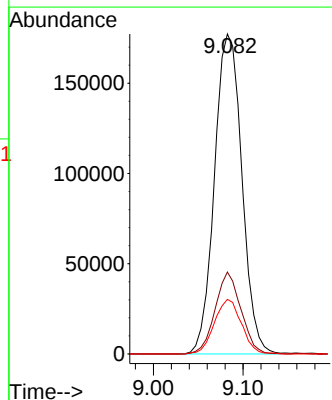
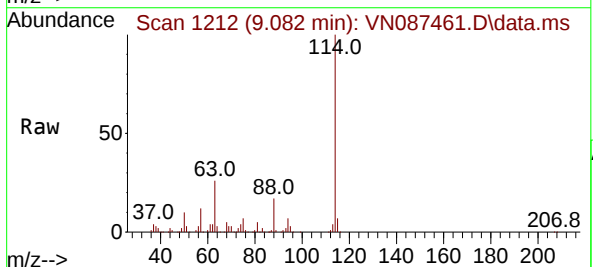
Tgt Ion: 114 Resp: 376206

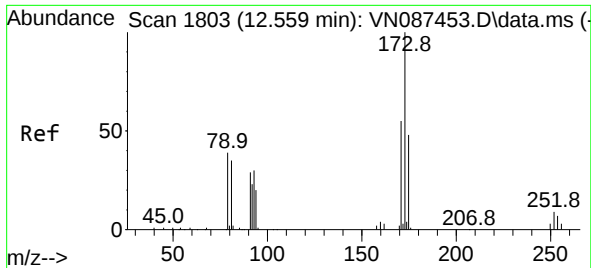
Ion Ratio Lower Upper

114 100

63 24.0 18.9 28.3

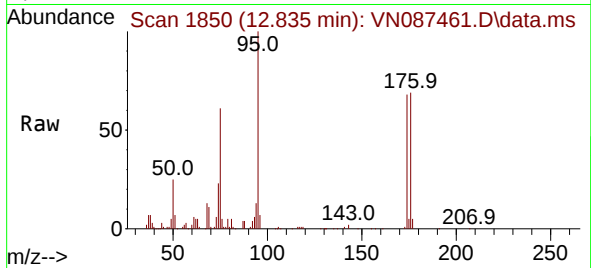
88 16.7 13.1 19.7



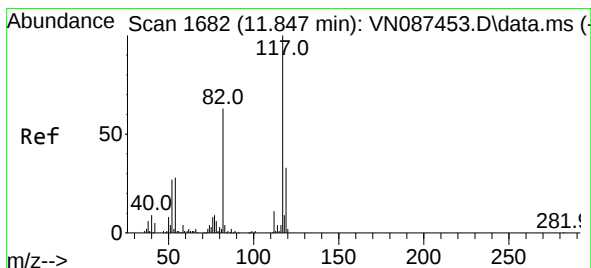
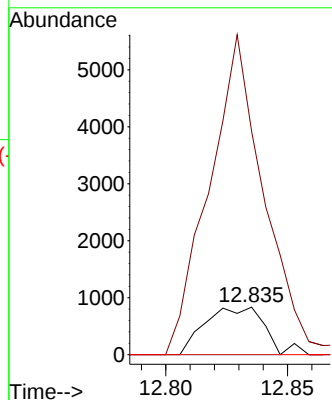
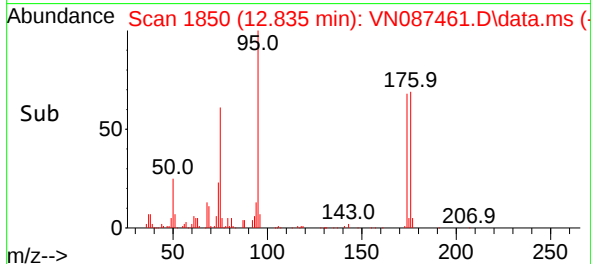


#56
Bromoform
Concen: 0.381 ug/l
RT: 12.835 min Scan# 1803
Delta R.T. 0.277 min
Lab File: VN087461.D
Acq: 05 Aug 2025 17:32

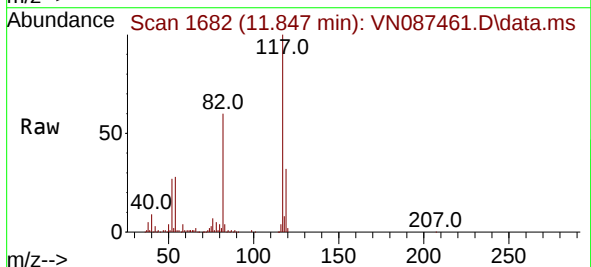
Instrument :
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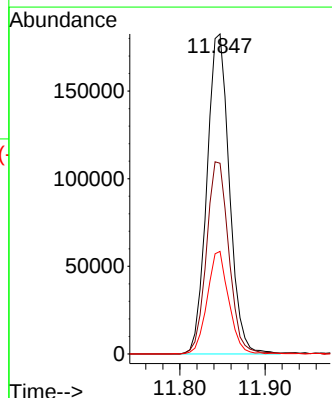
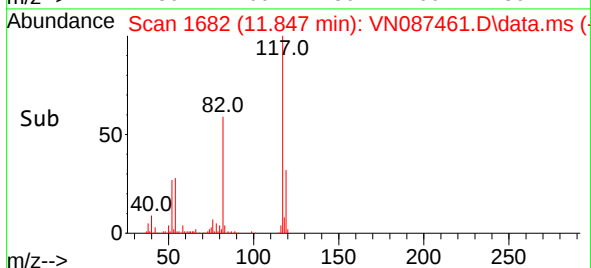
Tgt Ion:173 Resp: 1369
Ion Ratio Lower Upper
173 100
175 638.5 38.8 58.2#
254 0.0 3.9 5.9#

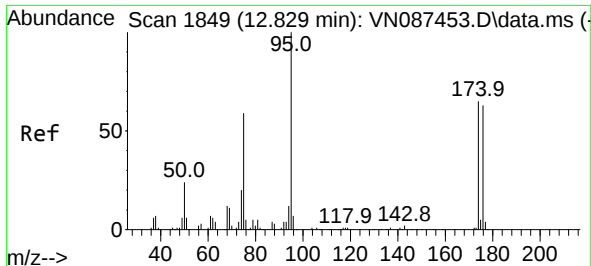


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN087461.D
Acq: 05 Aug 2025 17:32



Tgt Ion:117 Resp: 334367
Ion Ratio Lower Upper
117 100
82 60.0 49.2 73.8
119 30.7 25.7 38.5

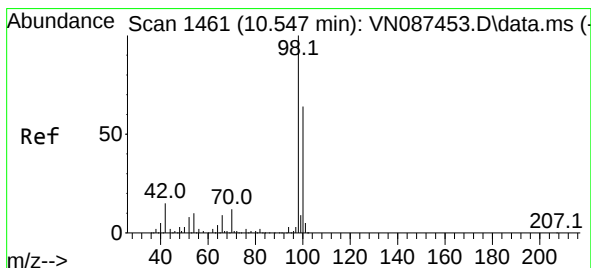
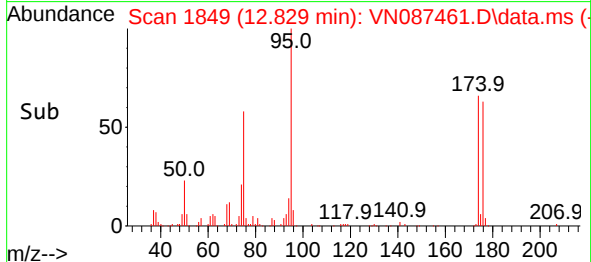
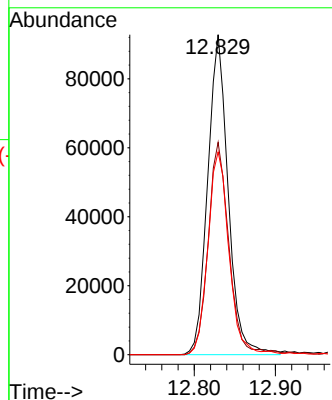
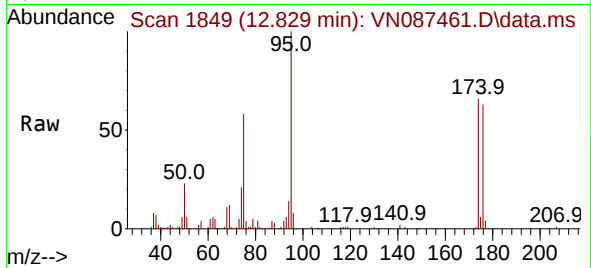




#60
4-Bromofluorobenzene
Concen: 28.249 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087461.D
Acq: 05 Aug 2025 17:32

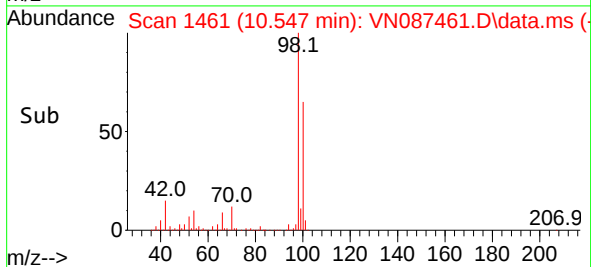
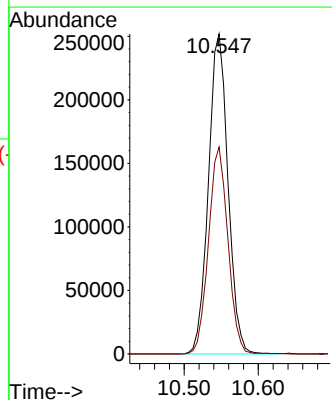
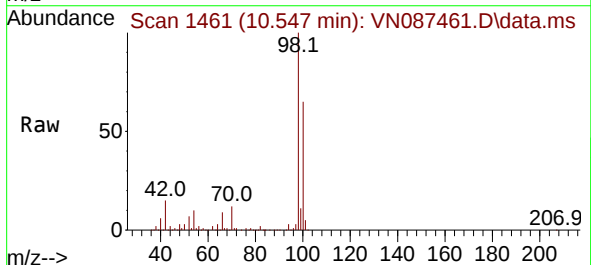
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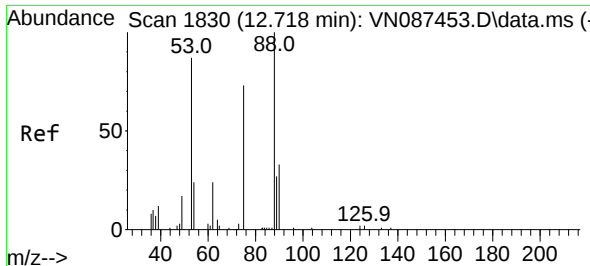
Tgt Ion: 95 Resp: 162550
Ion Ratio Lower Upper
95 100
174 66.0 52.3 78.5
176 64.4 49.8 74.8



#63
Toluene-d8
Concen: 30.036 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087461.D
Acq: 05 Aug 2025 17:32

Tgt Ion: 98 Resp: 462100
Ion Ratio Lower Upper
98 100
100 64.1 50.5 75.7

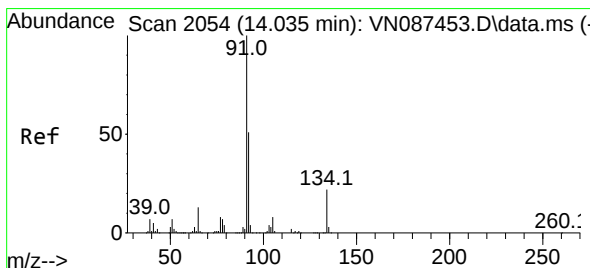
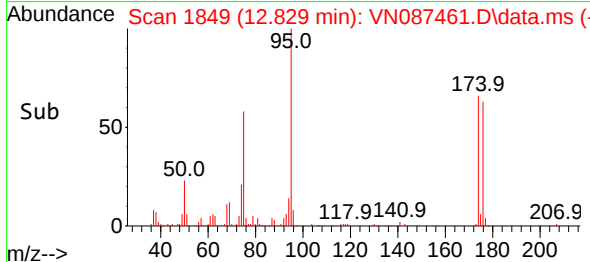
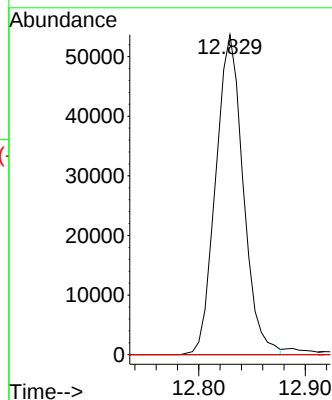
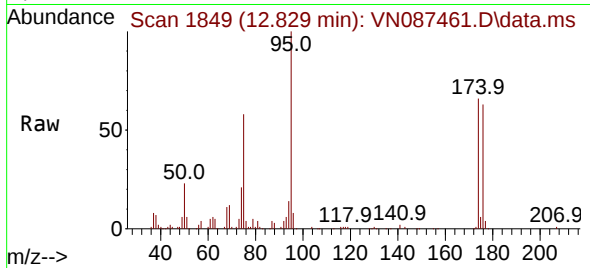




#77
t-1,4-Dichloro-2-butene
Concen: 37.787 ug/l
RT: 12.829 min Scan# 1830
Delta R.T. 0.112 min
Lab File: VN087461.D
Acq: 05 Aug 2025 17:32

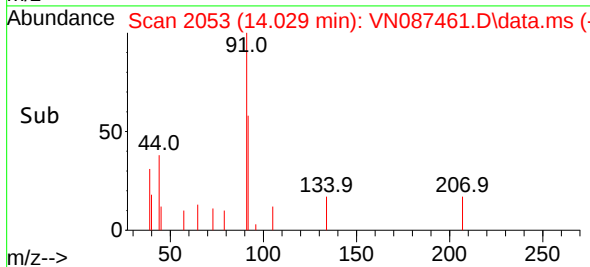
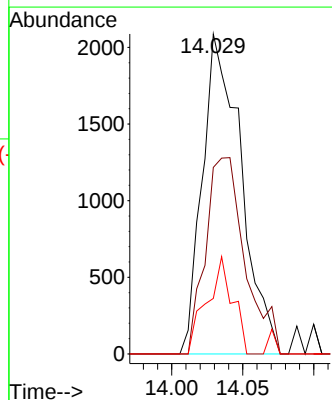
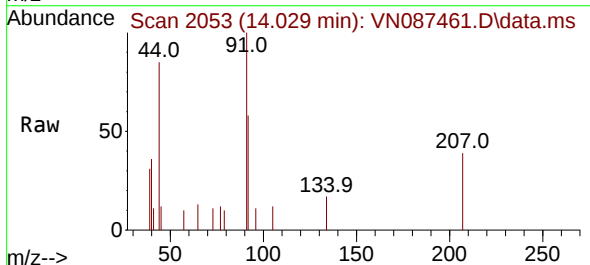
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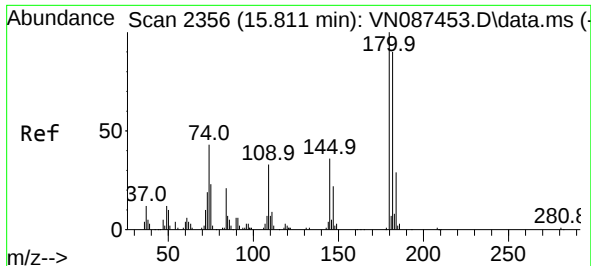
Tgt Ion: 75 Resp: 96353
Ion Ratio Lower Upper
75 100
53 0.0 59.0 176.8#
89 0.0 22.1 66.5#



#85
n-Butylbenzene
Concen: 0.219 ug/l
RT: 14.029 min Scan# 2053
Delta R.T. -0.006 min
Lab File: VN087461.D
Acq: 05 Aug 2025 17:32

Tgt Ion: 91 Resp: 3944
Ion Ratio Lower Upper
91 100
92 60.1 0.0 106.6
134 20.3 0.0 44.4

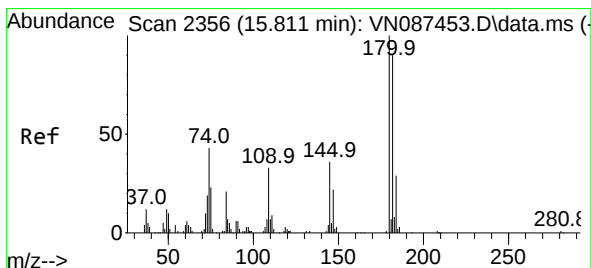
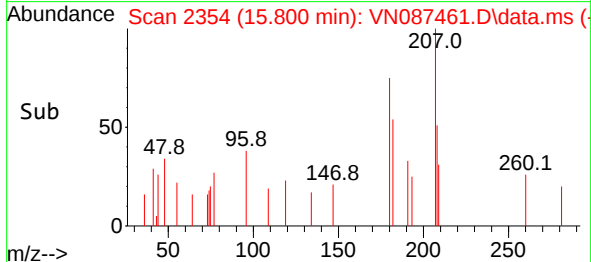
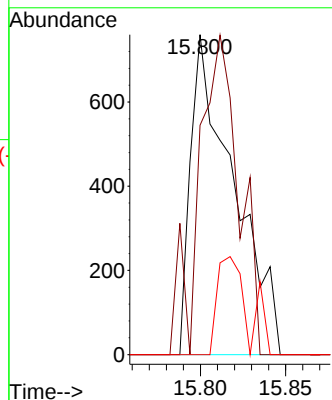
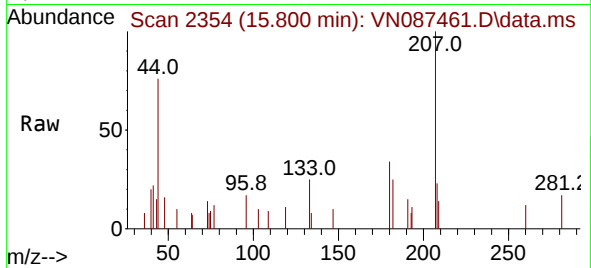




#89
 1,2,4-Trichlorobenzene
 Concen: 0.250 ug/l
 RT: 15.800 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: VN087461.D
 Acq: 05 Aug 2025 17:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0805WBL02

Tgt Ion:180 Resp: 1330
 Ion Ratio Lower Upper
 180 100
 182 85.1 75.0 112.4
 145 17.1 28.6 43.0#



#92
 1,2,3-Trichlorobenzene
 Concen: 0.250 ug/l
 RT: 15.800 min Scan# 2354
 Delta R.T. -0.012 min
 Lab File: VN087461.D
 Acq: 05 Aug 2025 17:32

Tgt Ion:180 Resp: 1330
 Ion Ratio Lower Upper
 180 100
 182 85.1 0.0 187.4
 145 17.1 0.0 71.6

