

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092225\
 Data File : VN087917.D
 Acq On : 22 Sep 2025 13:24
 Operator : JC\MD
 Sample : Q3149-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 002 35th Ave(Aug)

Quant Time: Sep 23 04:51:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 05 03:29:53 2025
 Response via : Initial Calibration

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

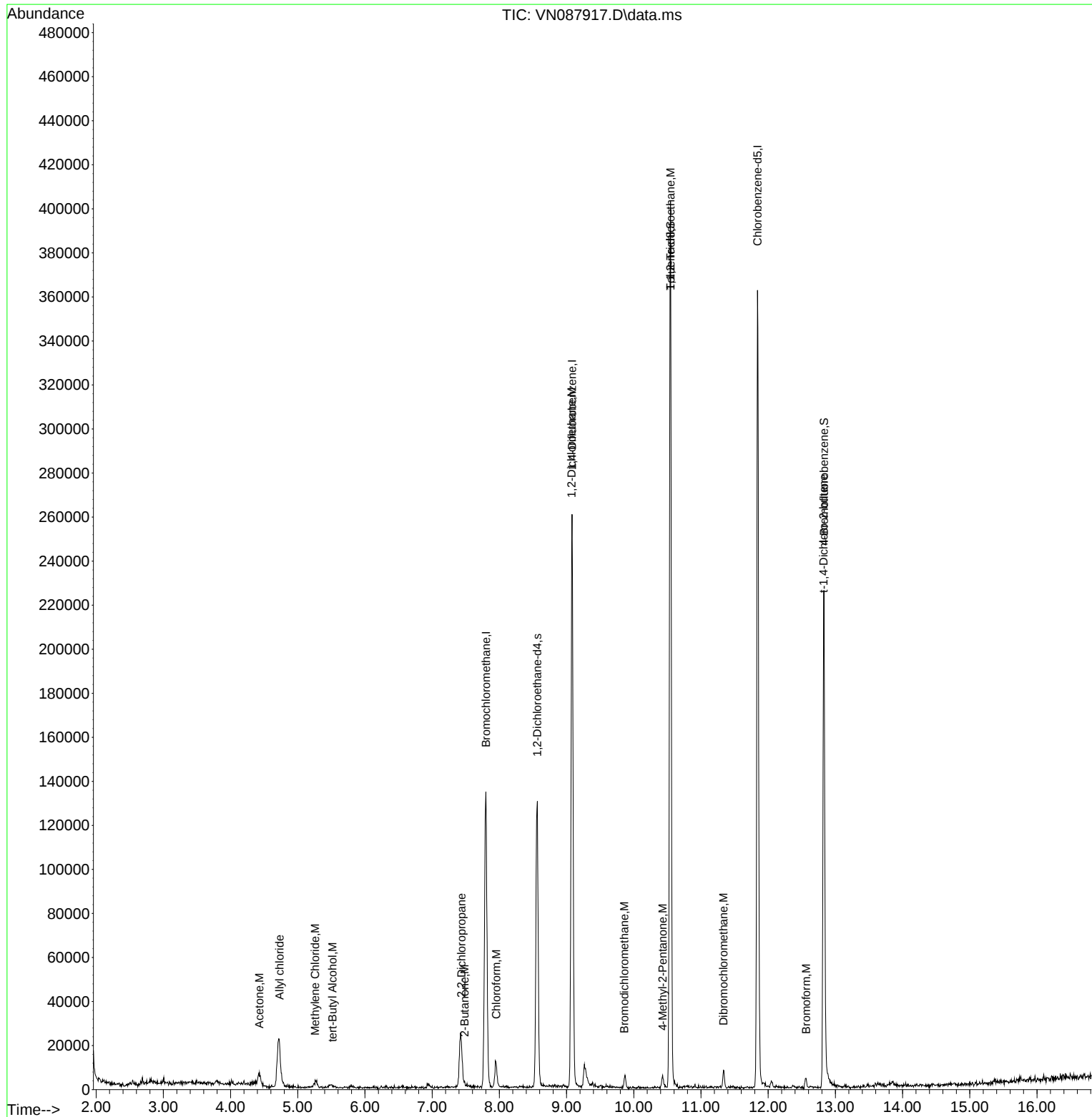
Internal Standards						
1) Bromochloromethane	7.800	128	48578	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	221731	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	205342	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	109820	26.465	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	88.200%#
60) 4-Bromofluorobenzene	12.829	95	82043	24.848	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	82.833%
63) Toluene-d8	10.547	98	278494	29.163	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.200%
Target Compounds						
					Qvalue	
15) Acetone	4.430	58	898	1.479	ug/l #	1
17) Allyl chloride	4.730	41	1411	0.295	ug/l	82
18) Methylene Chloride	5.259	84	1053	0.317	ug/l #	53
23) tert-Butyl Alcohol	5.518	59	418	0.608	ug/l #	100
25) Chloroform	7.953	83	10550	1.671	ug/l	91
30) 2-Butanone	7.483	43	1250	0.504	ug/l #	55
31) 2,2-Dichloropropane	7.436	77	1134	0.261	ug/l #	55
36) 1,2-Dichloroethane	9.077	62	8379	1.905	ug/l #	75
41) Bromodichloromethane	9.859	83	1951	0.430	ug/l #	68
50) 1,1,2-Trichloroethane	10.547	97	11074	3.862	ug/l #	1
53) Dibromochloromethane	11.335	129	4471	1.391	ug/l	91
56) Bromoform	12.565	173	2288	1.090	ug/l #	86
58) 4-Methyl-2-Pentanone	10.429	43	3475	0.716	ug/l #	83
77) t-1,4-Dichloro-2-butene	12.823	75	43600	29.926	ug/l #	15

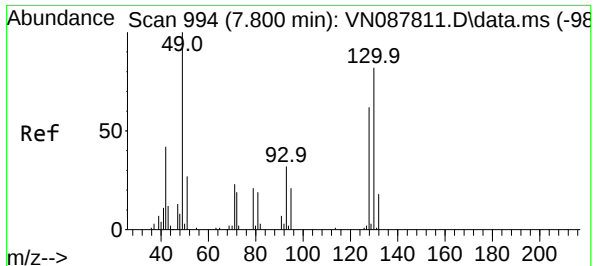
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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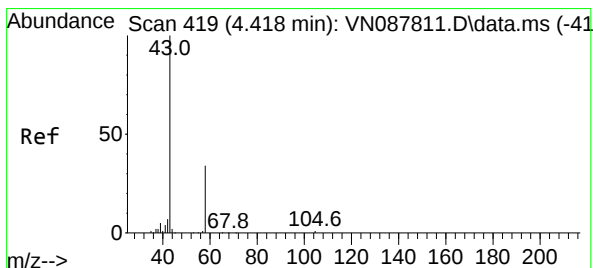
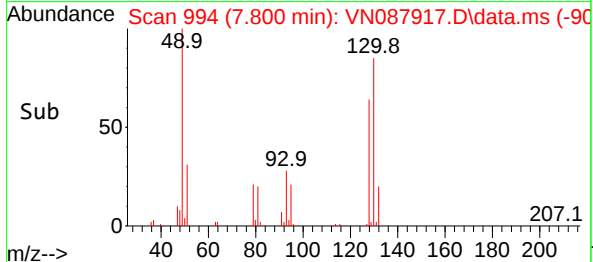
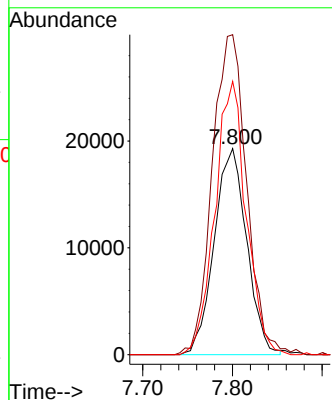
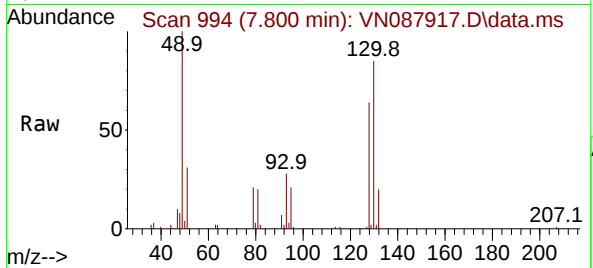




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 994
Delta R.T. 0.006 min
Lab File: VN087917.D
Acq: 22 Sep 2025 13:24

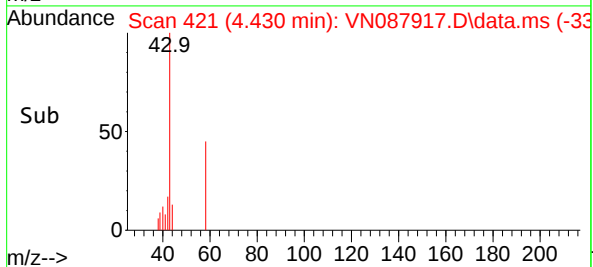
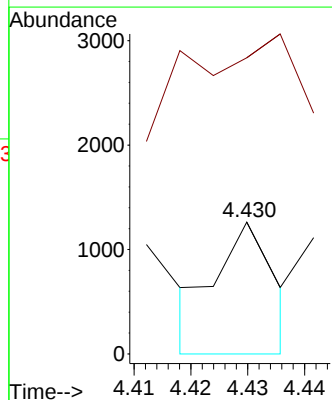
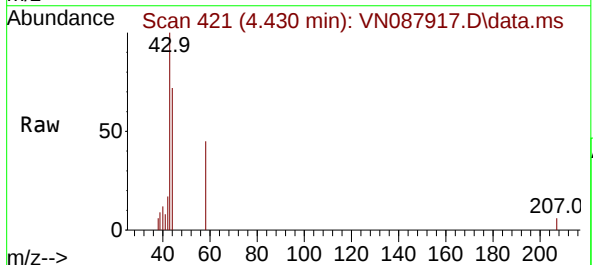
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave(Aug)

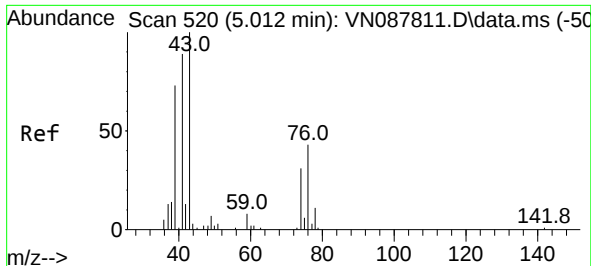
Tgt Ion:128 Resp: 48578
Ion Ratio Lower Upper
128 100
49 163.6 0.0 464.3
130 127.7 0.0 300.5



#15
Acetone
Concen: 1.479 ug/l
RT: 4.430 min Scan# 421
Delta R.T. -0.000 min
Lab File: VN087917.D
Acq: 22 Sep 2025 13:24

Tgt Ion: 58 Resp: 898
Ion Ratio Lower Upper
58 100
43 0.0 250.6 376.0#





#17

Allyl chloride

Concen: 0.295 ug/l

RT: 4.730 min Scan# 41

Delta R.T. -0.288 min

Lab File: VN087917.D

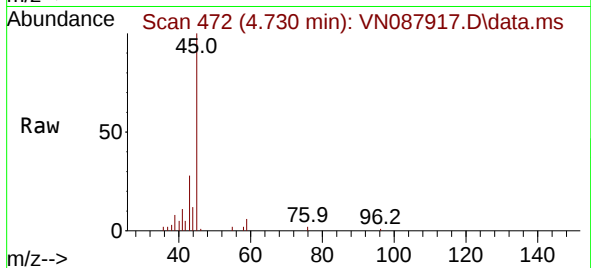
Acq: 22 Sep 2025 13:24

Instrument :

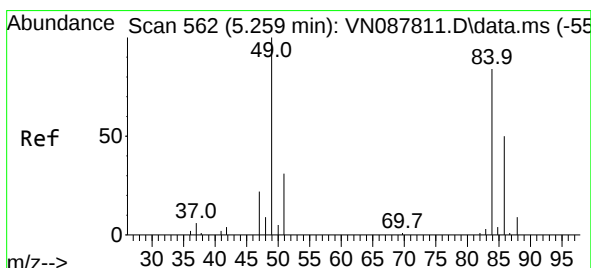
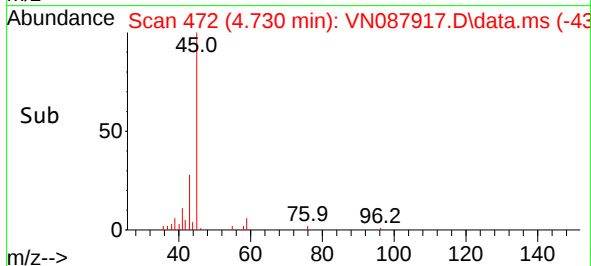
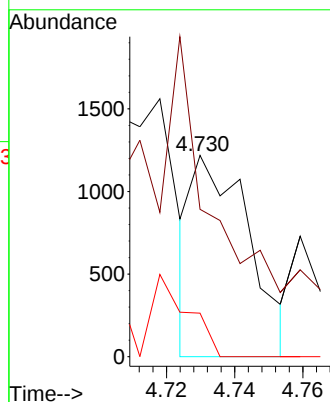
MSVOA_N

ClientSampleId :

002 35th Ave(Aug)



Tgt Ion:	41	Resp:	1411
Ion	Ratio	Lower	Upper
41	100		
39	55.9	36.7	110.1
76	29.3	18.3	54.8



#18

Methylene Chloride

Concen: 0.317 ug/l

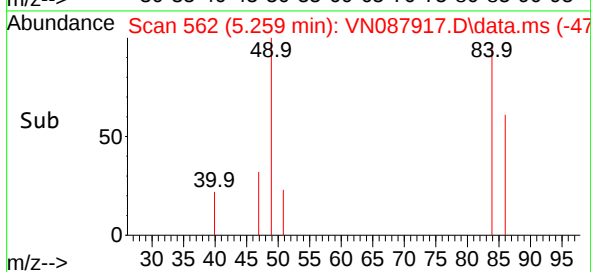
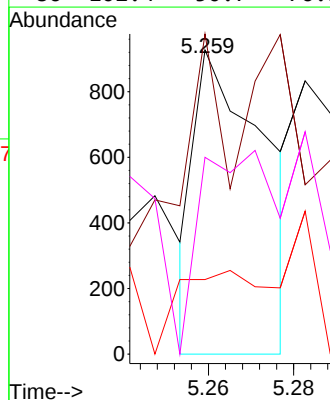
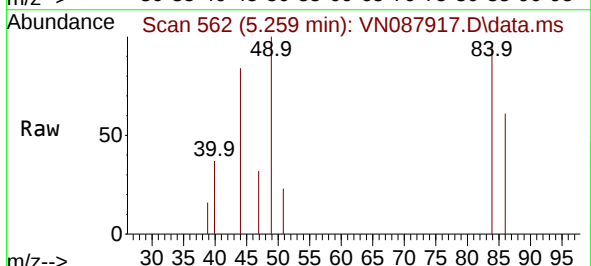
RT: 5.259 min Scan# 562

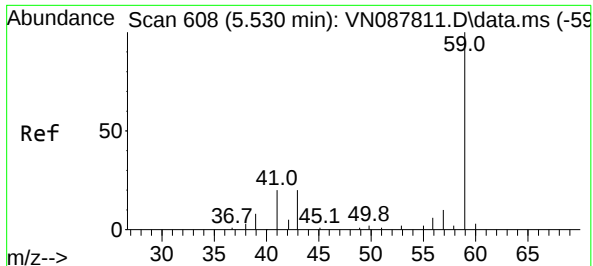
Delta R.T. -0.006 min

Lab File: VN087917.D

Acq: 22 Sep 2025 13:24

Tgt Ion:	84	Resp:	1053
Ion	Ratio	Lower	Upper
84	100		
49	89.4	114.1	171.1#
51	4.3	30.2	45.4#
86	102.4	50.7	76.1#

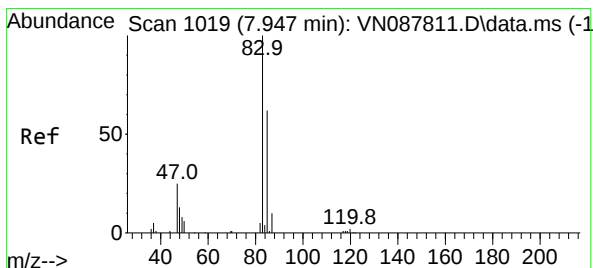
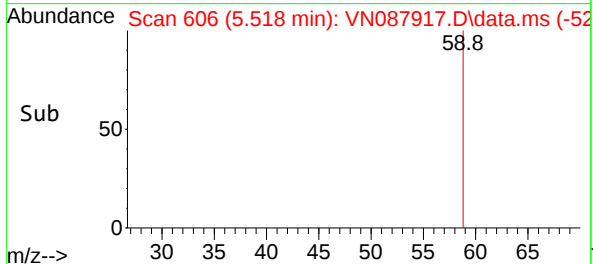
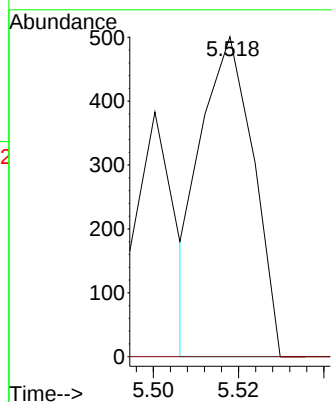
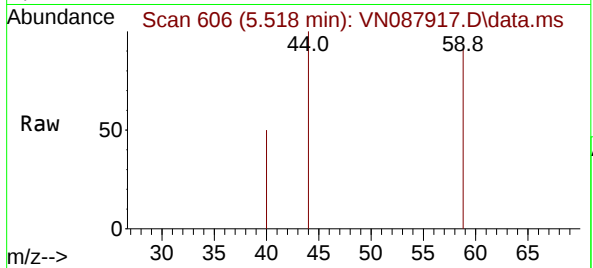




#23
tert-Butyl Alcohol
Concen: 0.608 ug/l
RT: 5.518 min Scan# 608
Delta R.T. -0.012 min
Lab File: VN087917.D
Acq: 22 Sep 2025 13:24

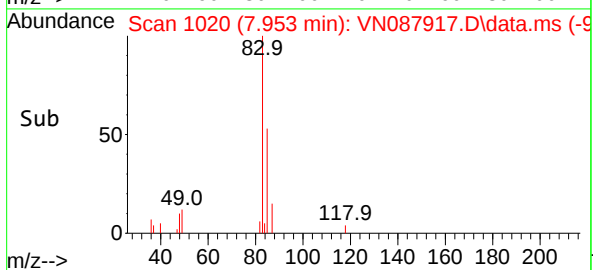
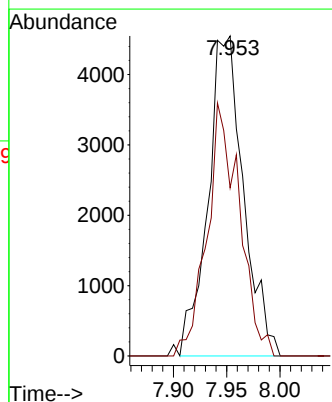
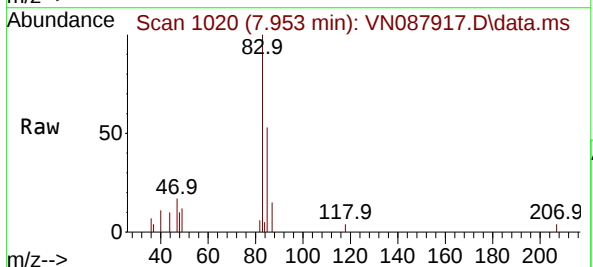
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave(Aug)

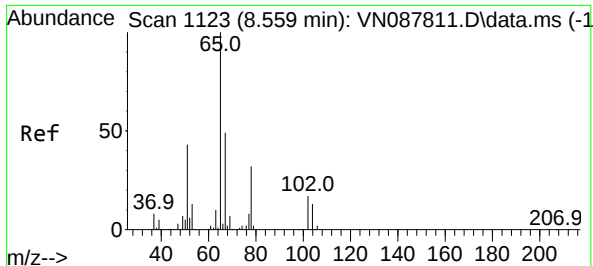
Tgt Ion: 59 Resp: 418
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#25
Chloroform
Concen: 1.671 ug/l
RT: 7.953 min Scan# 1020
Delta R.T. -0.000 min
Lab File: VN087917.D
Acq: 22 Sep 2025 13:24

Tgt Ion: 83 Resp: 10550
Ion Ratio Lower Upper
83 100
85 52.5 47.7 71.5

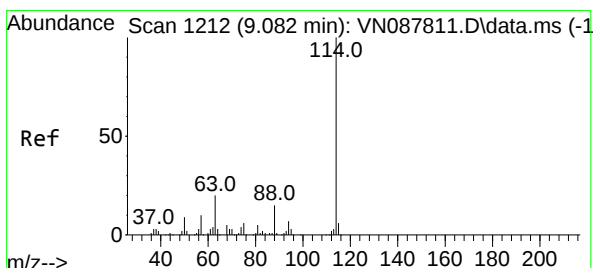
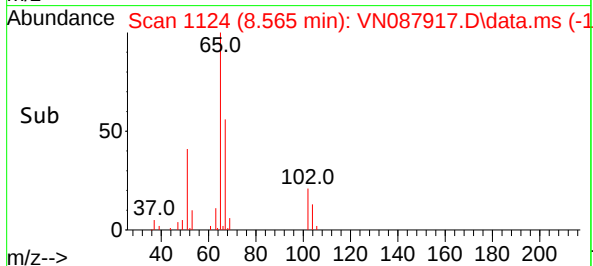
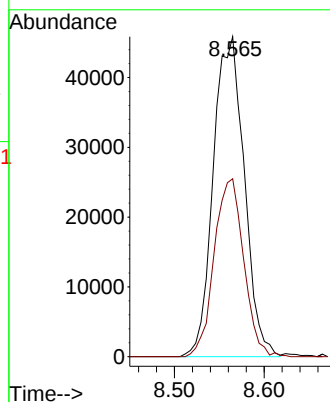
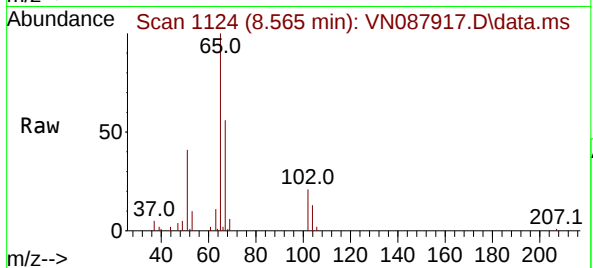




#27
1,2-Dichloroethane-d4
Concen: 26.465 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087917.D
Acq: 22 Sep 2025 13:24

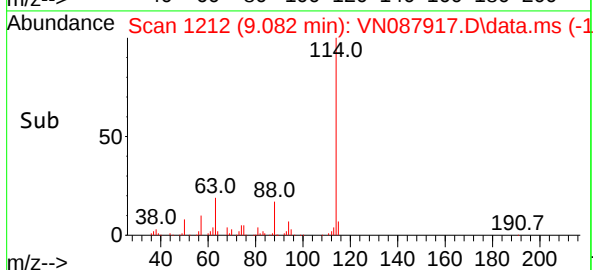
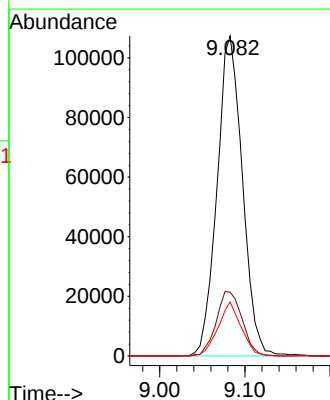
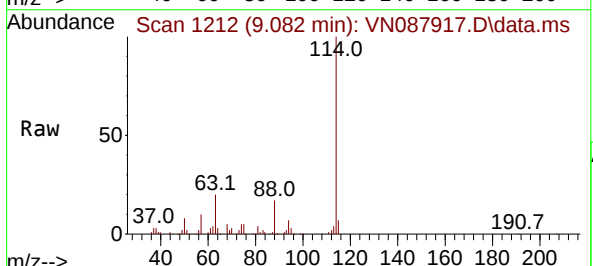
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave(Aug)

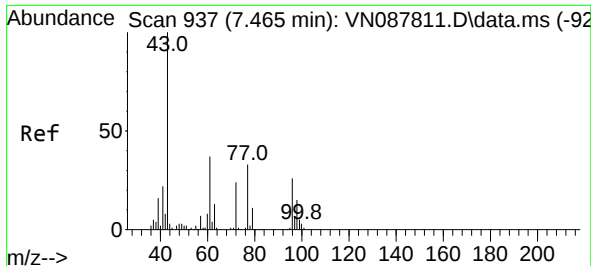
Tgt Ion: 65 Resp: 109820
Ion Ratio Lower Upper
65 100
67 52.8 39.6 59.4



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN087917.D
Acq: 22 Sep 2025 13:24

Tgt Ion: 114 Resp: 221731
Ion Ratio Lower Upper
114 100
63 20.6 18.3 27.5
88 15.3 12.4 18.6

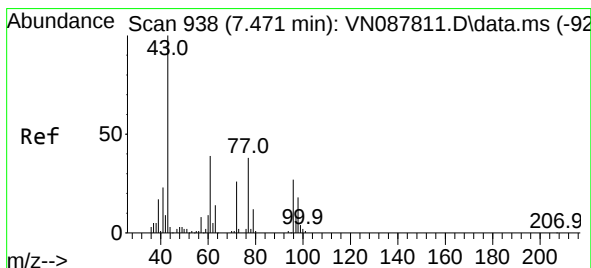
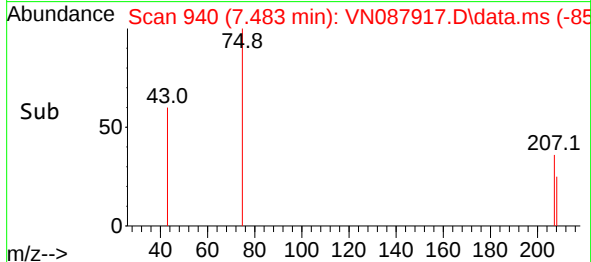
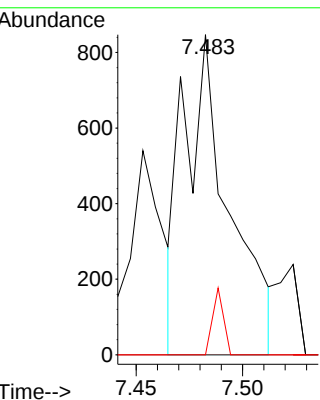
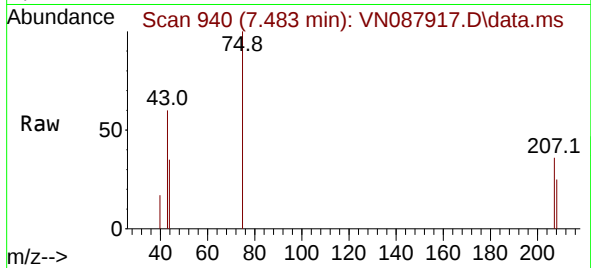




#30
2-Butanone
Concen: 0.504 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN087917.D
Acq: 22 Sep 2025 13:24

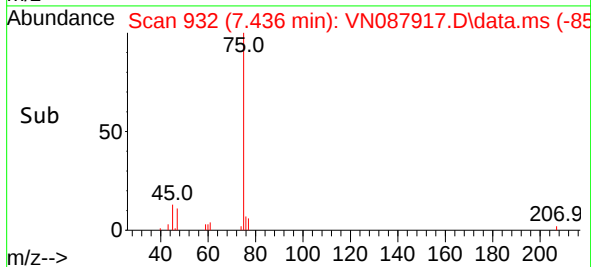
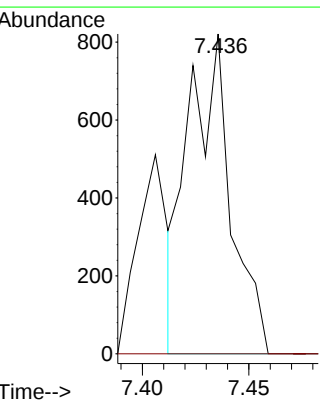
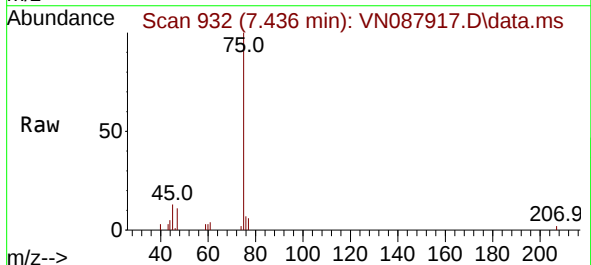
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave(Aug)

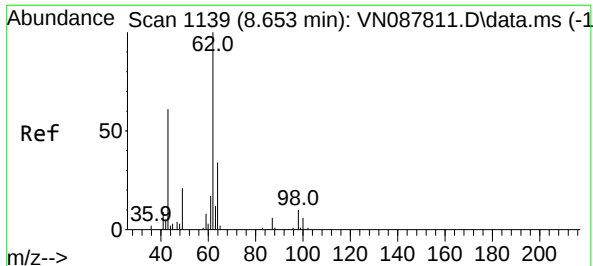
Tgt Ion: 43 Resp: 1250
Ion Ratio Lower Upper
43 100
57 0.0 6.3 9.5#
72 0.0 21.4 32.2#



#31
2,2-Dichloropropane
Concen: 0.261 ug/l
RT: 7.436 min Scan# 932
Delta R.T. -0.035 min
Lab File: VN087917.D
Acq: 22 Sep 2025 13:24

Tgt Ion: 77 Resp: 1134
Ion Ratio Lower Upper
77 100
97 0.0 17.1 25.7#





#36

1,2-Dichloroethane

Concen: 1.905 ug/l

RT: 9.077 min Scan# 1139

Delta R.T. 0.423 min

Lab File: VN087917.D

Acq: 22 Sep 2025 13:24

Instrument :

MSVOA_N

ClientSampleId :

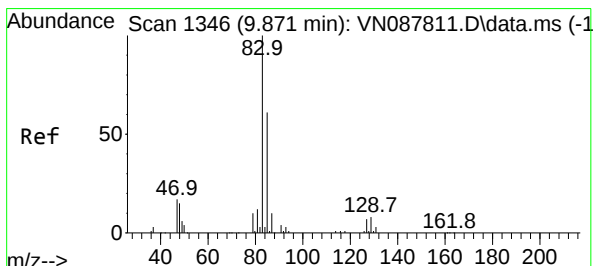
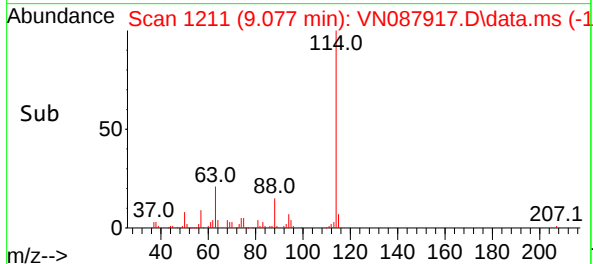
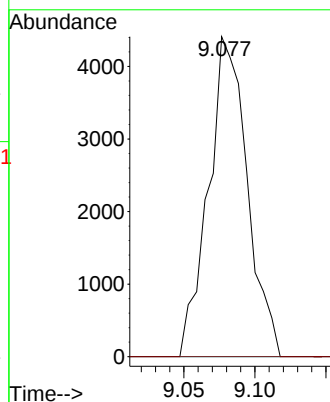
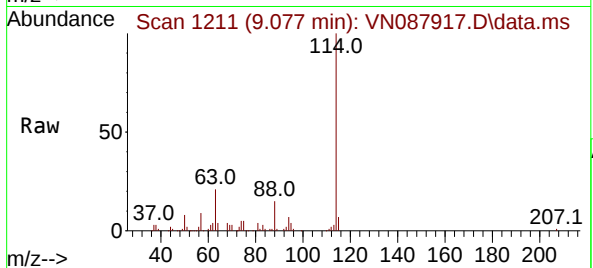
002 35th Ave(Aug)

Tgt Ion: 62 Resp: 8379

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#



#41

Bromodichloromethane

Concen: 0.430 ug/l

RT: 9.859 min Scan# 1344

Delta R.T. -0.012 min

Lab File: VN087917.D

Acq: 22 Sep 2025 13:24

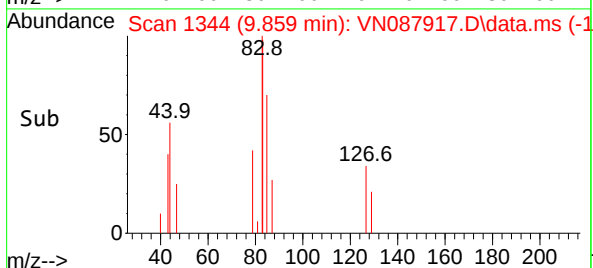
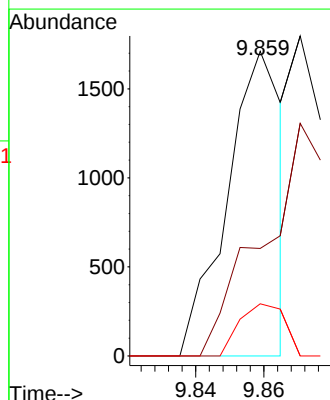
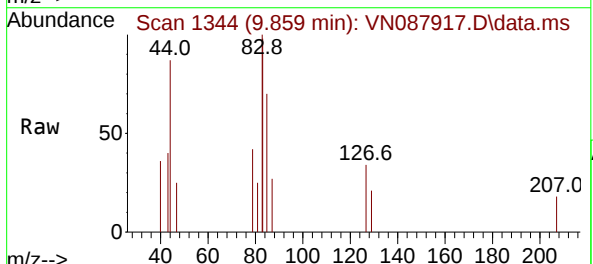
Tgt Ion: 83 Resp: 1951

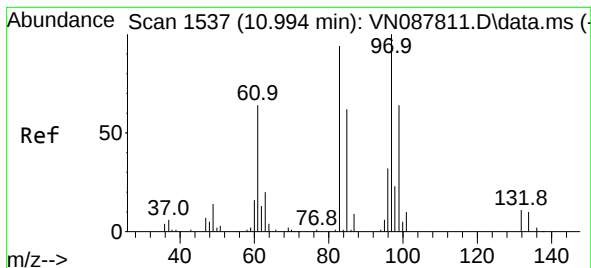
Ion Ratio Lower Upper

83 100

85 35.3 47.3 70.9#

127 17.1 5.2 7.8#

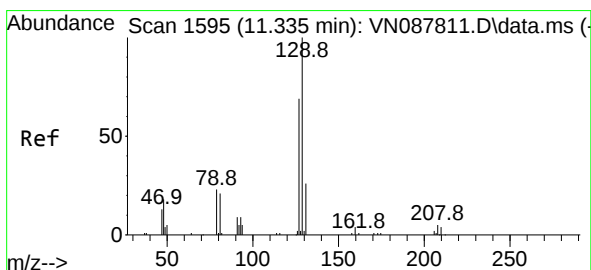
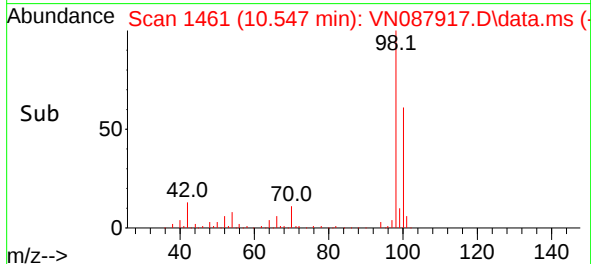
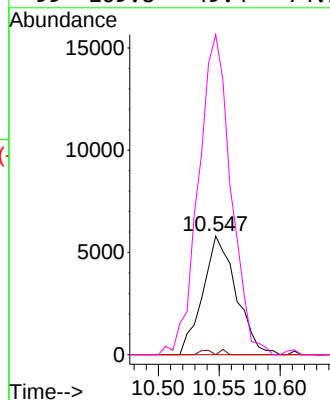
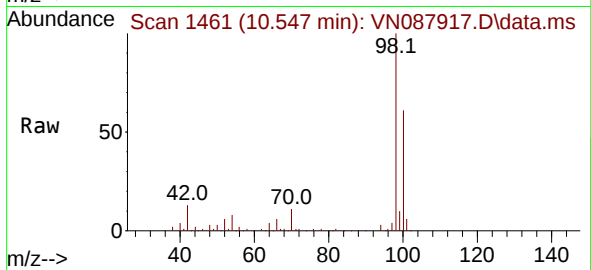




#50
1,1,2-Trichloroethane
Concen: 3.862 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.447 min
Lab File: VN087917.D
Acq: 22 Sep 2025 13:24

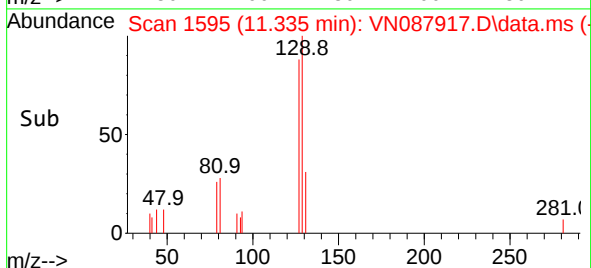
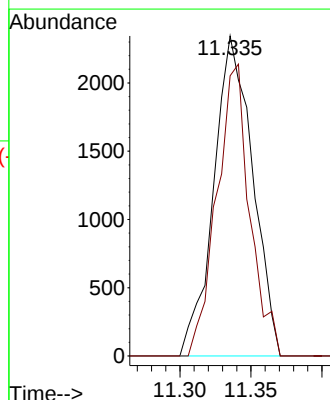
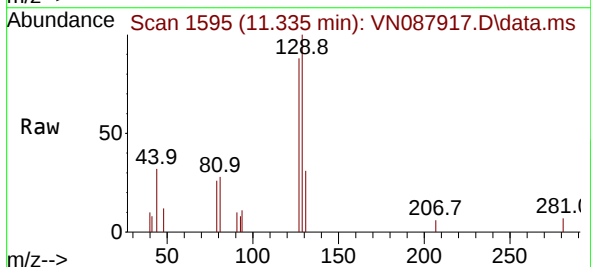
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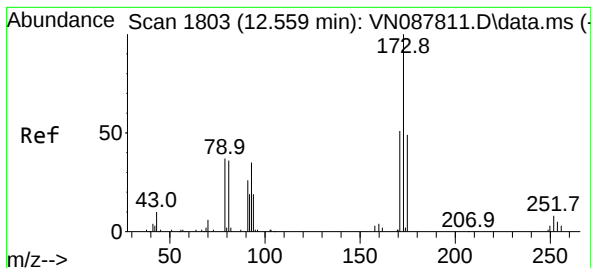
Tgt Ion: 97 Resp: 11074
Ion Ratio Lower Upper
97 100
83 0.0 70.5 105.7#
85 0.0 46.3 69.5#
99 269.8 49.4 74.2#



#53
Dibromochloromethane
Concen: 1.391 ug/l
RT: 11.335 min Scan# 1595
Delta R.T. -0.000 min
Lab File: VN087917.D
Acq: 22 Sep 2025 13:24

Tgt Ion:129 Resp: 4471
Ion Ratio Lower Upper
129 100
127 77.3 42.6 128.0





#56

Bromoform

Concen: 1.090 ug/l

RT: 12.565 min Scan# 1804

Delta R.T. 0.006 min

Lab File: VN087917.D

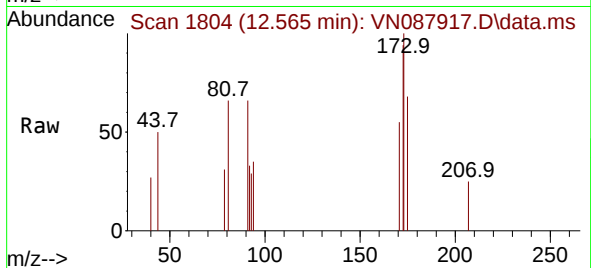
Acq: 22 Sep 2025 13:24

Instrument :

MSVOA_N

ClientSampleId :

002 35th Ave(Aug)



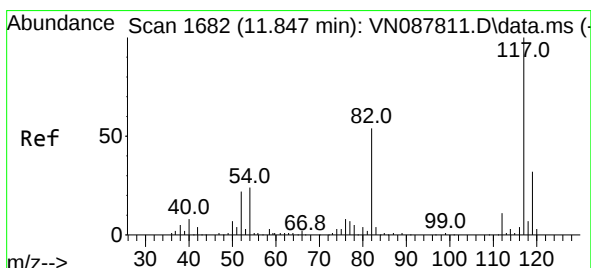
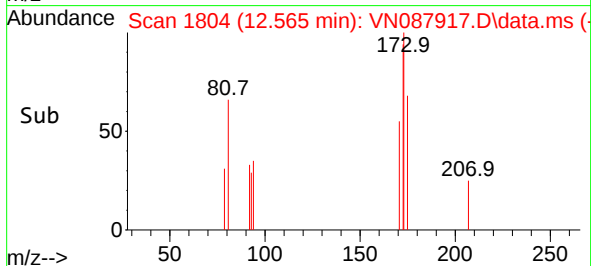
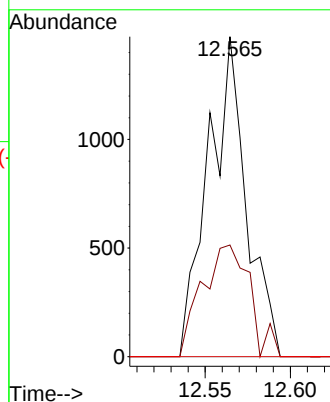
Tgt Ion:173 Resp: 2288

Ion Ratio Lower Upper

173 100

175 41.3 39.8 59.6

254 0.0 6.2 9.4#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.841 min Scan# 1681

Delta R.T. -0.000 min

Lab File: VN087917.D

Acq: 22 Sep 2025 13:24

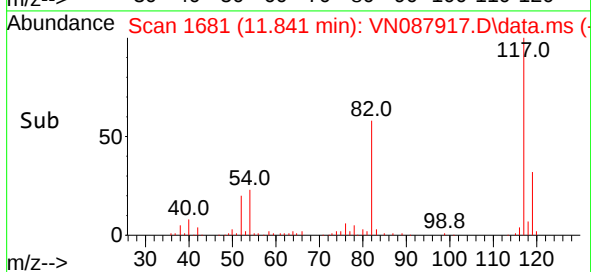
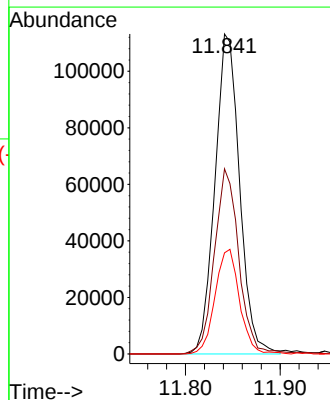
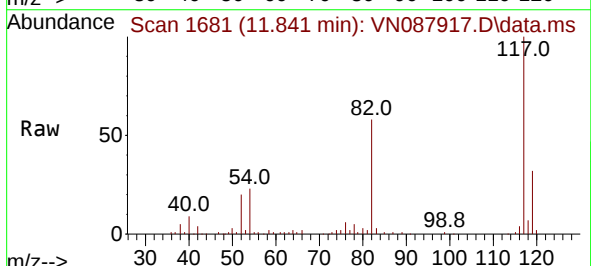
Tgt Ion:117 Resp: 205342

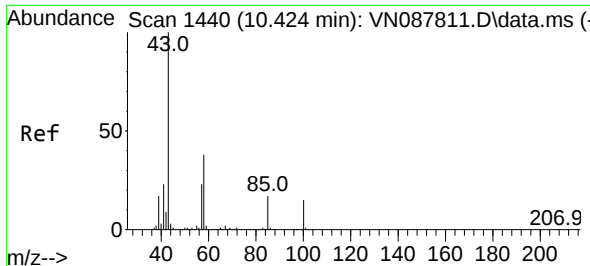
Ion Ratio Lower Upper

117 100

82 57.2 45.9 68.9

119 32.0 25.3 37.9

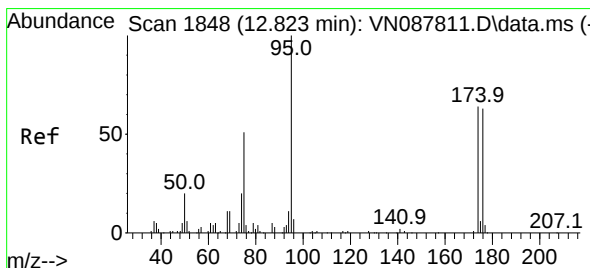
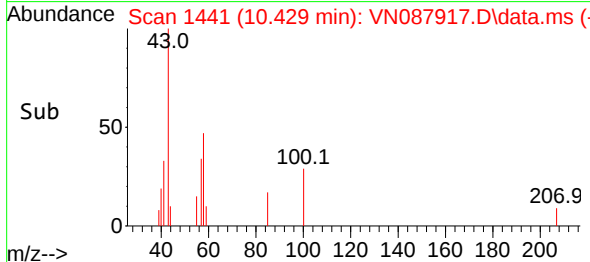
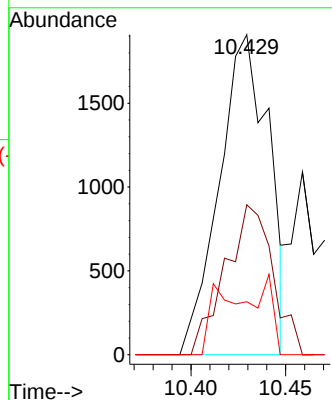
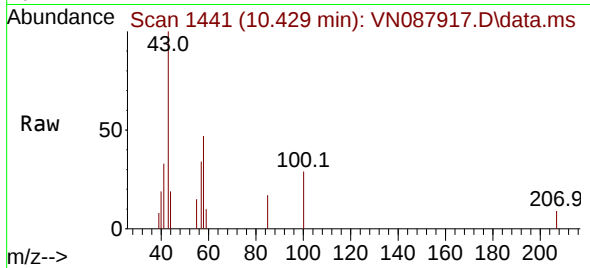




#58
4-Methyl-2-Pentanone
Concen: 0.716 ug/l
RT: 10.429 min Scan# 1441
Delta R.T. 0.006 min
Lab File: VN087917.D
Acq: 22 Sep 2025 13:24

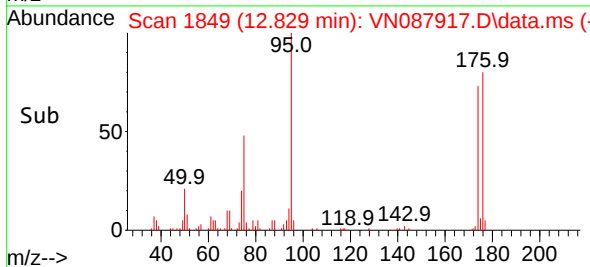
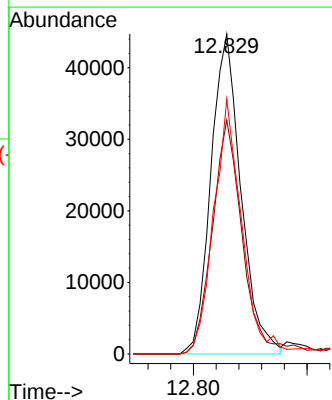
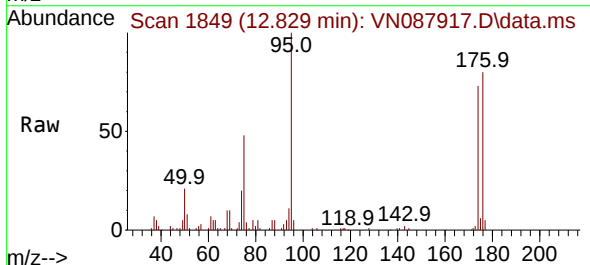
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave(Aug)

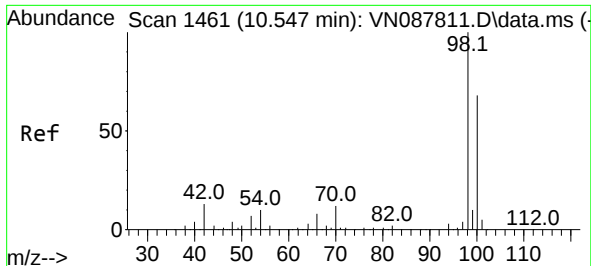
Tgt Ion: 43 Resp: 3475
Ion Ratio Lower Upper
43 100
58 44.8 29.6 44.4#
85 4.9 13.0 19.4#



#60
4-Bromofluorobenzene
Concen: 24.848 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN087917.D
Acq: 22 Sep 2025 13:24

Tgt Ion: 95 Resp: 82043
Ion Ratio Lower Upper
95 100
174 71.1 55.4 83.0
176 72.2 51.5 77.3

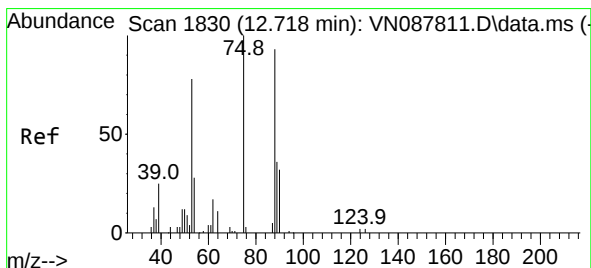
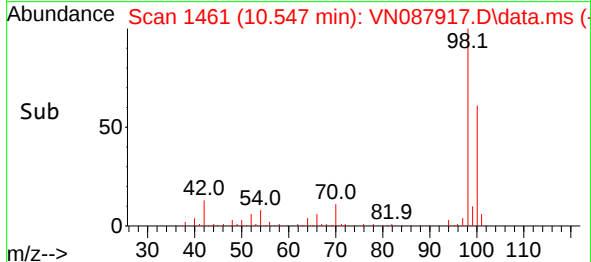
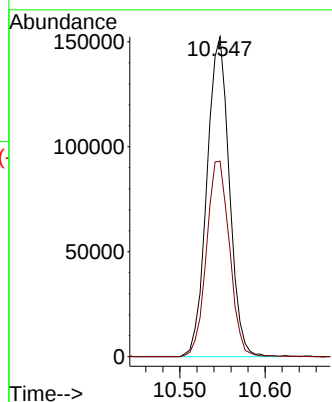
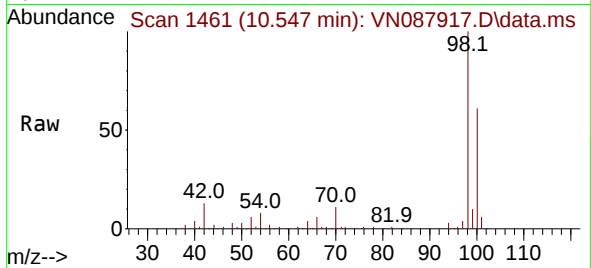




#63
Toluene-d8
Concen: 29.163 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087917.D
Acq: 22 Sep 2025 13:24

Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave(Aug)

Tgt Ion: 98 Resp: 278494
Ion Ratio Lower Upper
98 100
100 62.7 50.6 76.0



#77
t-1,4-Dichloro-2-butene
Concen: 29.926 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. 0.106 min
Lab File: VN087917.D
Acq: 22 Sep 2025 13:24

Tgt Ion: 75 Resp: 43600
Ion Ratio Lower Upper
75 100
53 1.8 45.3 135.9#
89 0.0 18.8 56.3#

