

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092225\
 Data File : VN087916.D
 Acq On : 22 Sep 2025 13:04
 Operator : JC\MD
 Sample : Q3149-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 001 Willets Pt Blvd (Aug)

Quant Time: Sep 23 04:51:36 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)

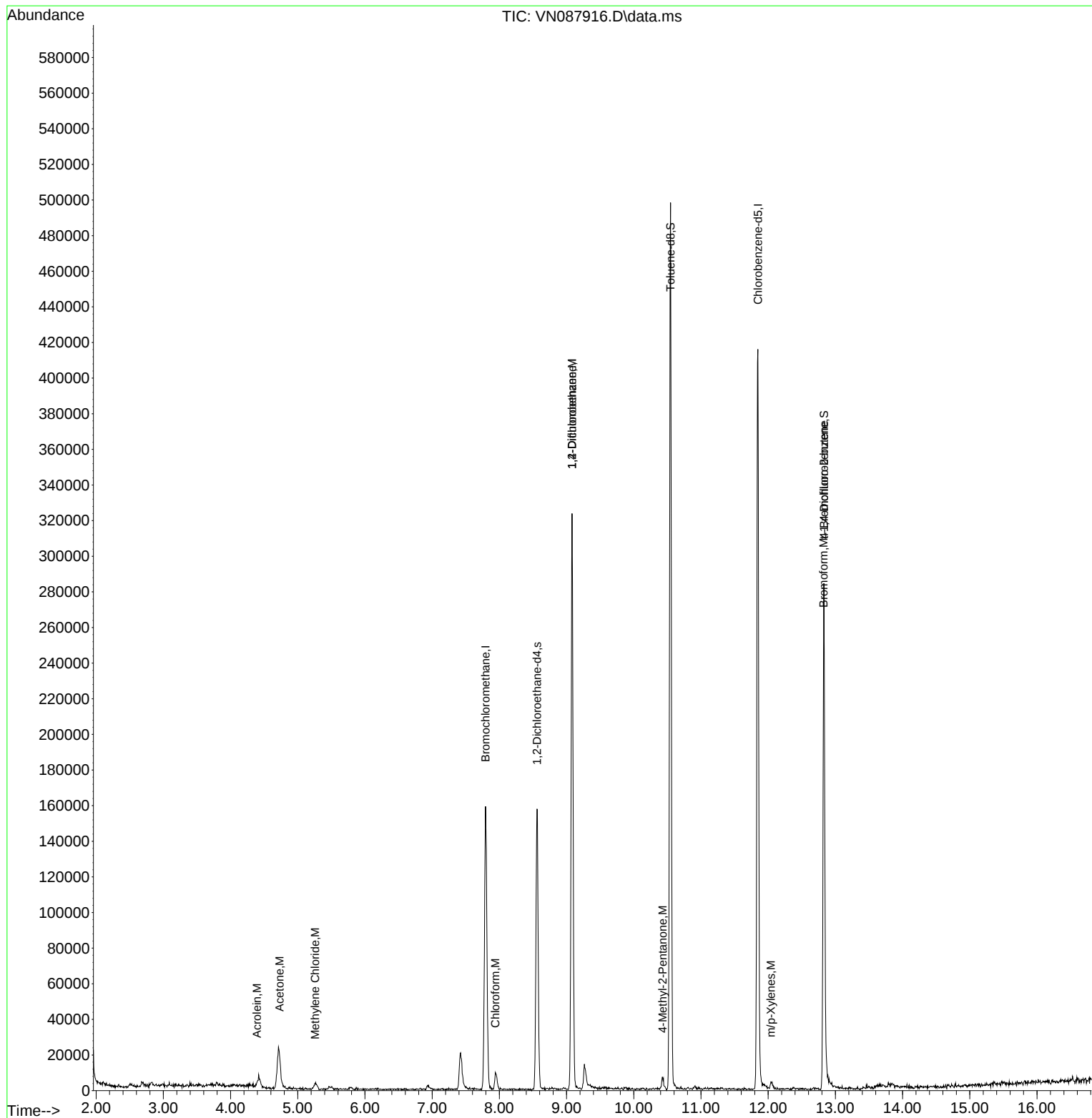
Internal Standards						
1) Bromochloromethane	7.794	128	55130	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	266240	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	244348	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	128385	27.262	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	90.867%#
60) 4-Bromofluorobenzene	12.829	95	95076	24.199	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	80.667%
63) Toluene-d8	10.547	98	328740	28.929	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.433%
Target Compounds						
					Qvalue	
13) Acrolein	4.394	56	203	0.222	ug/l #	52
15) Acetone	4.730	58	513	0.745	ug/l	94
18) Methylene Chloride	5.259	84	2456	0.651	ug/l #	50
25) Chloroform	7.941	83	8920	1.245	ug/l #	84
36) 1,2-Dichloroethane	9.082	62	10486	1.985	ug/l #	75
56) Bromoform	12.823	173	967	0.384	ug/l #	1
58) 4-Methyl-2-Pentanone	10.429	43	4980	0.862	ug/l #	90
67) m/p-Xylenes	12.041	106	1195	0.202	ug/l #	19
77) t-1,4-Dichloro-2-butene	12.829	75	54167	31.244	ug/l #	14

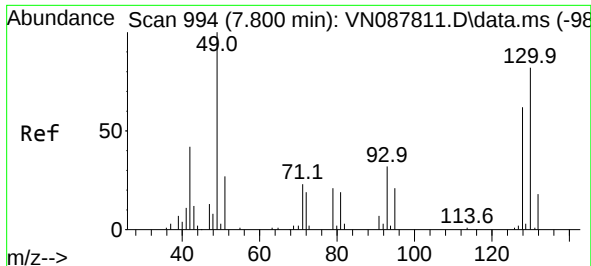
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092225\
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001 Willets Pt Blvd (Aug)

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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

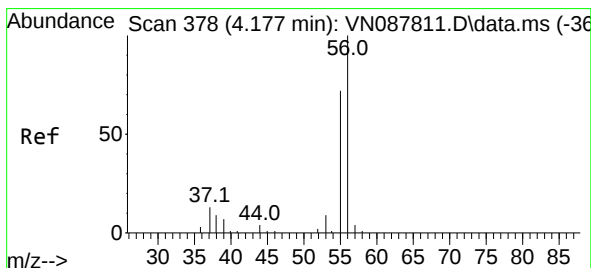
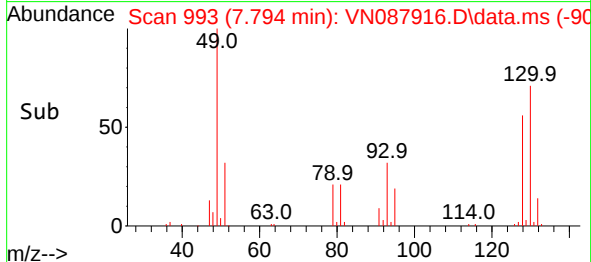
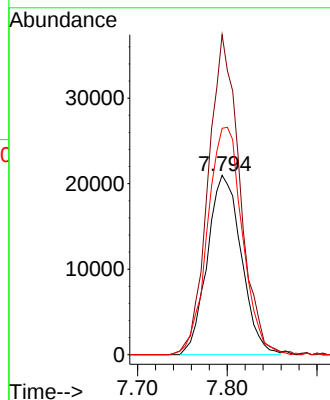
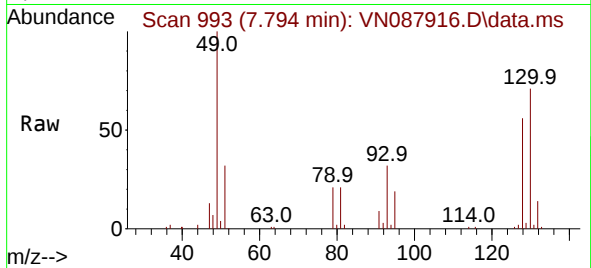




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 994
Delta R.T. 0.000 min
Lab File: VN087916.D
Acq: 22 Sep 2025 13:04

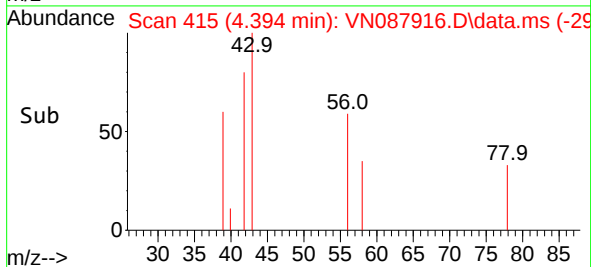
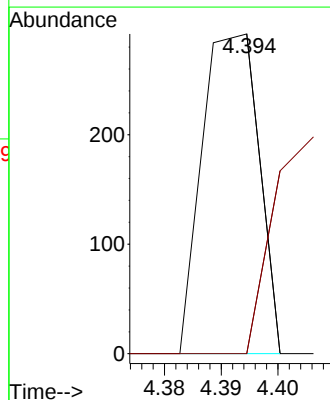
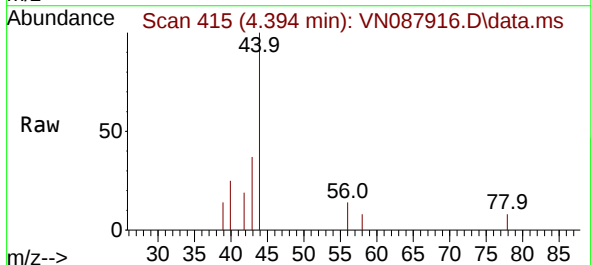
Instrument :
MSVOA_N
ClientSampleId :
001 Willets Pt Blvd (Aug)

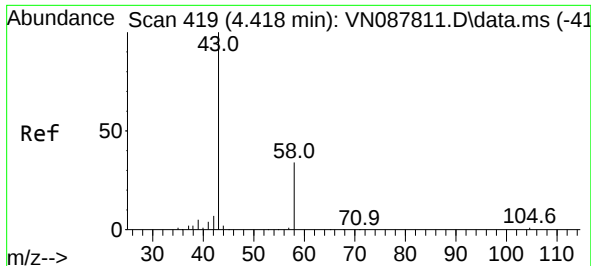
Tgt Ion:128 Resp: 55130
Ion Ratio Lower Upper
128 100
49 165.7 0.0 464.3
130 130.1 0.0 300.5



#13
Acrolein
Concen: 0.222 ug/l
RT: 4.394 min Scan# 415
Delta R.T. 0.217 min
Lab File: VN087916.D
Acq: 22 Sep 2025 13:04

Tgt Ion: 56 Resp: 203
Ion Ratio Lower Upper
56 100
55 63.5 28.6 42.8#





#15

Acetone

Concen: 0.745 ug/l

RT: 4.730 min Scan# 41

Delta R.T. 0.300 min

Lab File: VN087916.D

Acq: 22 Sep 2025 13:04

Instrument :

MSVOA_N

ClientSampleId :

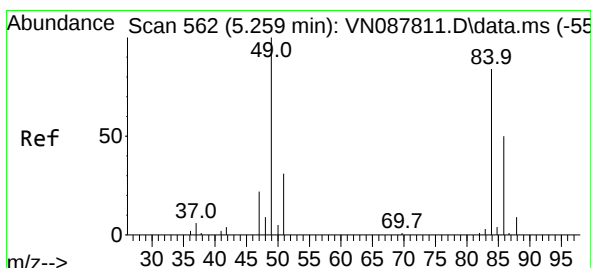
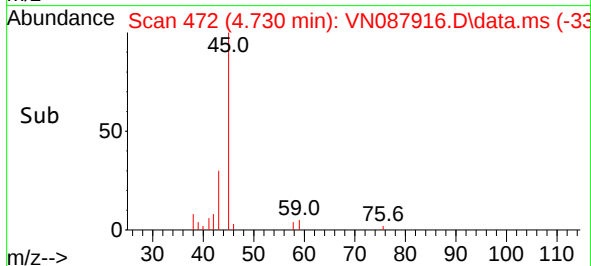
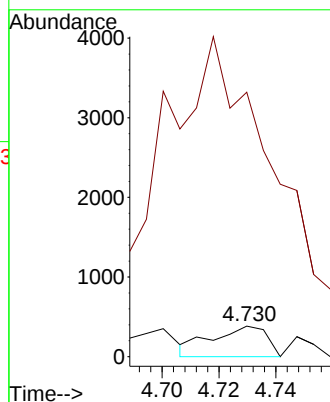
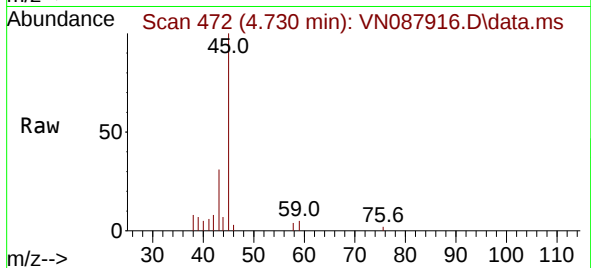
001 Willets Pt Blvd (Aug)

Tgt Ion: 58 Resp: 513

Ion Ratio Lower Upper

58 100

43 301.0 250.6 376.0



#18

Methylene Chloride

Concen: 0.651 ug/l

RT: 5.259 min Scan# 562

Delta R.T. -0.006 min

Lab File: VN087916.D

Acq: 22 Sep 2025 13:04

Tgt Ion: 84 Resp: 2456

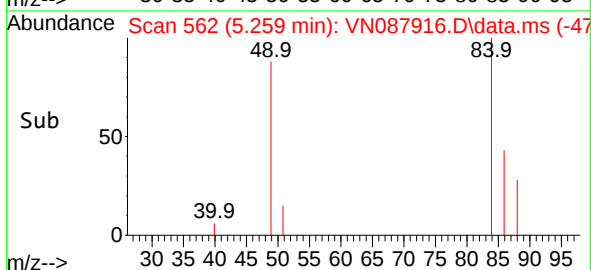
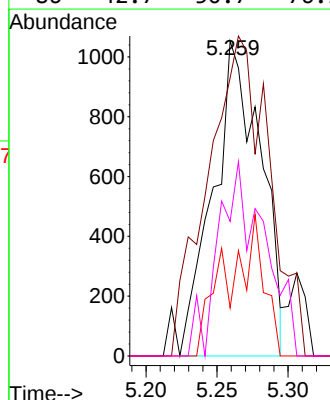
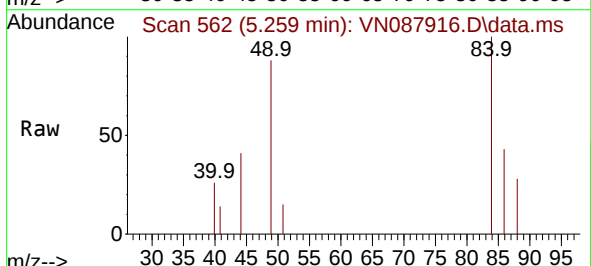
Ion Ratio Lower Upper

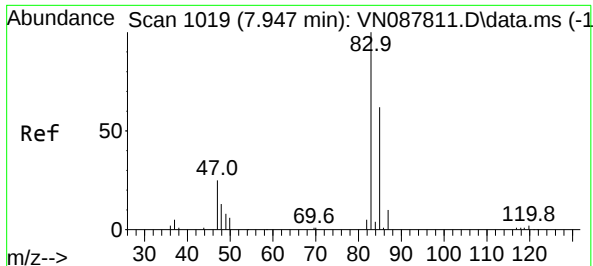
84 100

49 64.4 114.1 171.1#

51 15.3 30.2 45.4#

86 42.7 50.7 76.1#





#25

Chloroform

Concen: 1.245 ug/l

RT: 7.941 min Scan# 1019

Delta R.T. -0.012 min

Lab File: VN087916.D

Acq: 22 Sep 2025 13:04

Instrument :

MSVOA_N

ClientSampleId :

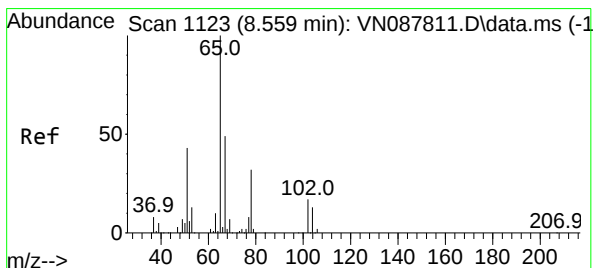
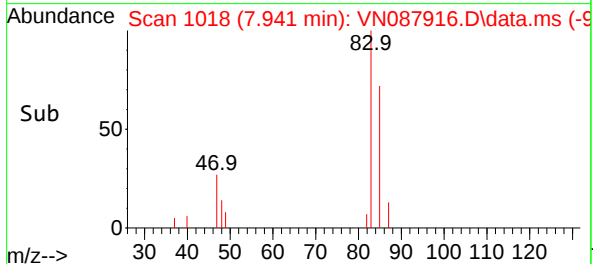
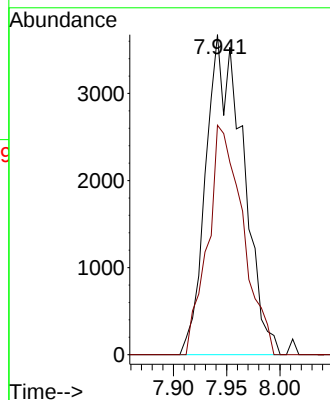
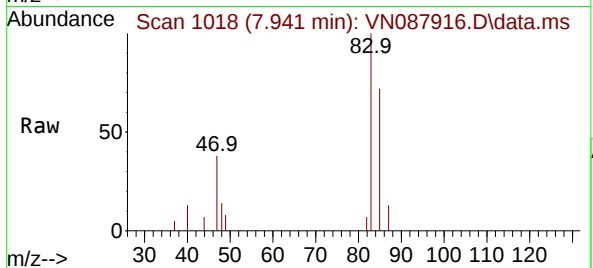
001 Willets Pt Blvd (Aug)

Tgt Ion: 83 Resp: 8920

Ion Ratio Lower Upper

83 100

85 71.7 47.7 71.5#



#27

1,2-Dichloroethane-d4

Concen: 27.262 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN087916.D

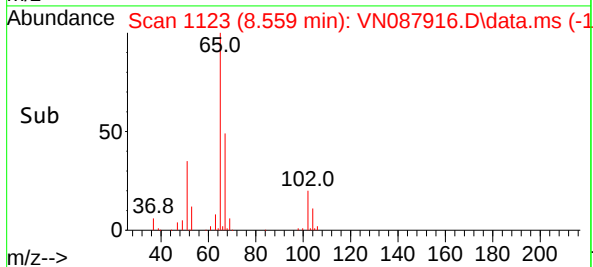
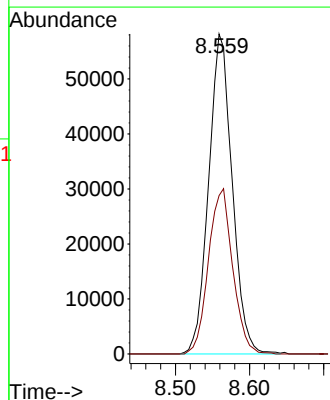
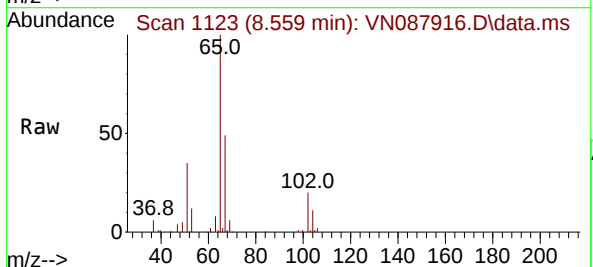
Acq: 22 Sep 2025 13:04

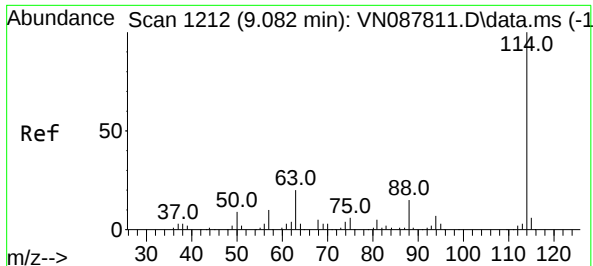
Tgt Ion: 65 Resp: 128385

Ion Ratio Lower Upper

65 100

67 53.2 39.6 59.4

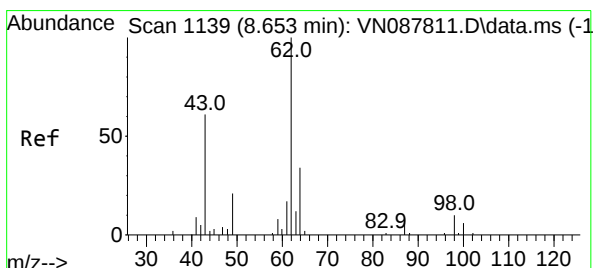
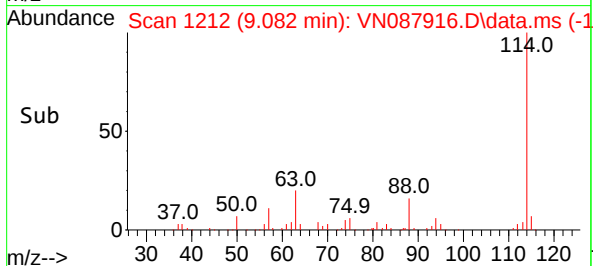
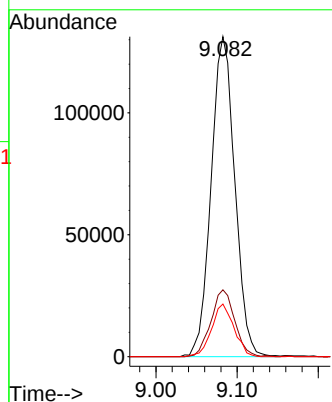
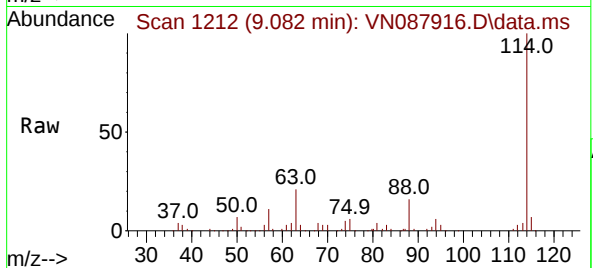




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.082 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087916.D
Acq: 22 Sep 2025 13:04

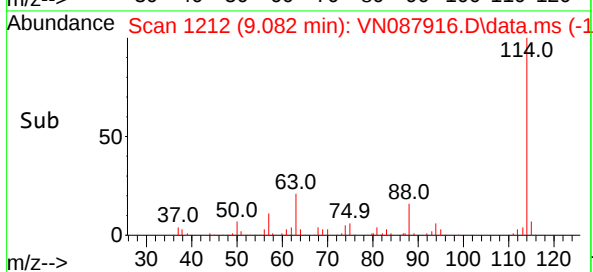
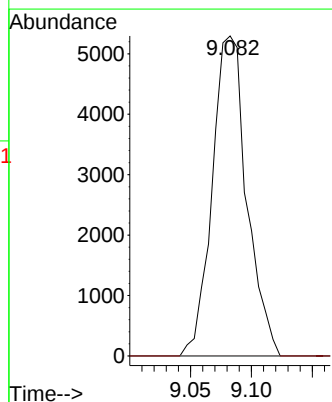
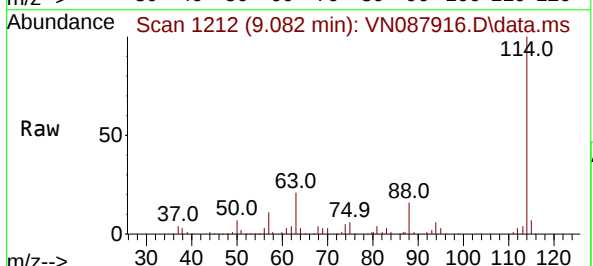
Instrument :
MSVOA_N
ClientSampleId :
001 Willets Pt Blvd (Aug)

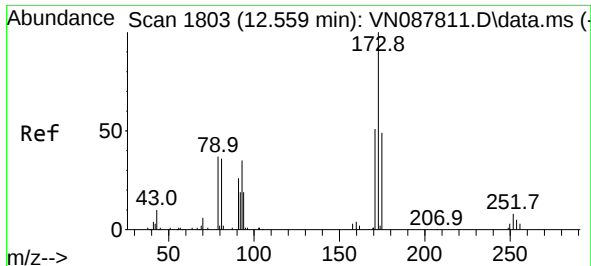
Tgt Ion:114 Resp: 266240
Ion Ratio Lower Upper
114 100
63 20.9 18.3 27.5
88 15.6 12.4 18.6



#36
1,2-Dichloroethane
Concen: 1.985 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. 0.429 min
Lab File: VN087916.D
Acq: 22 Sep 2025 13:04

Tgt Ion: 62 Resp: 10486
Ion Ratio Lower Upper
62 100
98 0.0 7.2 10.8#

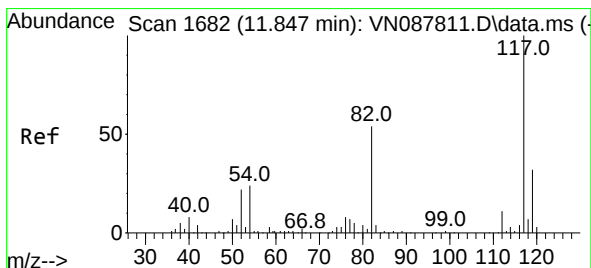
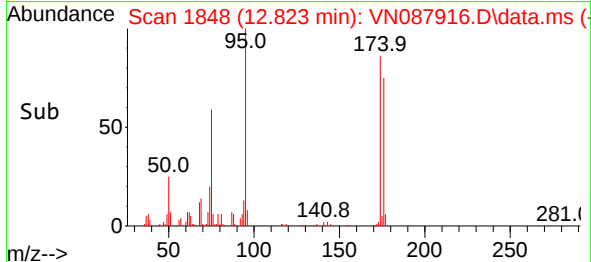
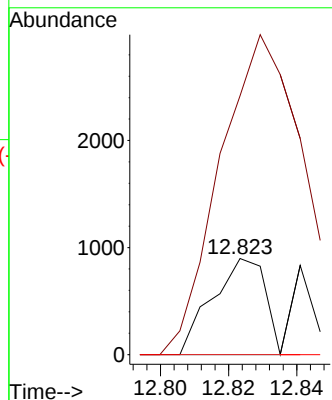
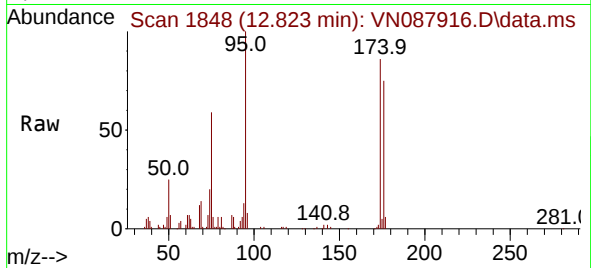




#56
Bromoform
Concen: 0.384 ug/l
RT: 12.823 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN087916.D
Acq: 22 Sep 2025 13:04

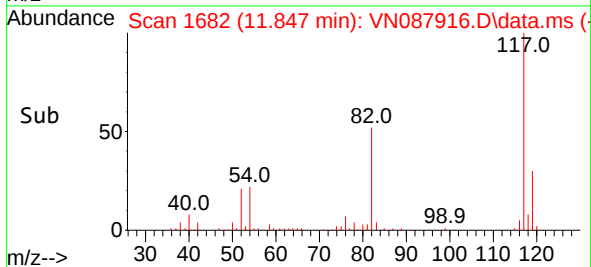
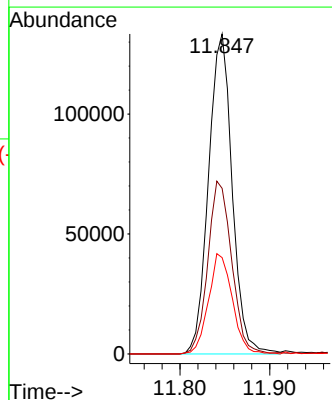
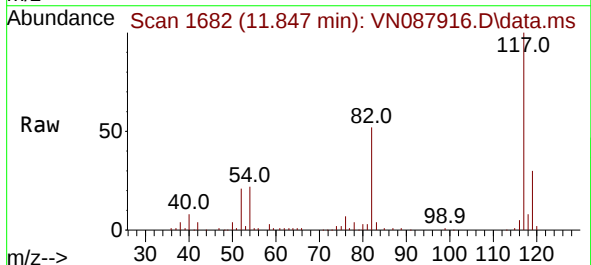
Instrument :
MSVOA_N
ClientSampleId :
001 Willets Pt Blvd (Aug)

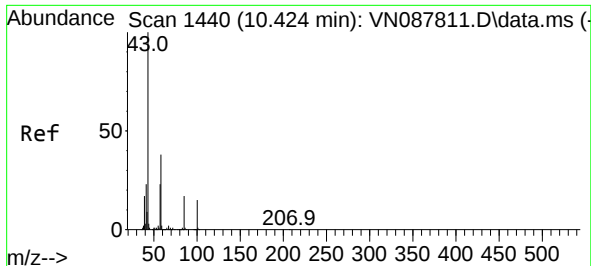
Tgt Ion:173 Resp: 967
Ion Ratio Lower Upper
173 100
175 568.7 39.8 59.6#
254 0.0 6.2 9.4#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087916.D
Acq: 22 Sep 2025 13:04

Tgt Ion:117 Resp: 244348
Ion Ratio Lower Upper
117 100
82 54.6 45.9 68.9
119 31.5 25.3 37.9





#58

4-Methyl-2-Pentanone

Concen: 0.862 ug/l

RT: 10.429 min Scan# 1440

Delta R.T. 0.006 min

Lab File: VN087916.D

Acq: 22 Sep 2025 13:04

Instrument :

MSVOA_N

ClientSampleId :

001 Willets Pt Blvd (Aug)

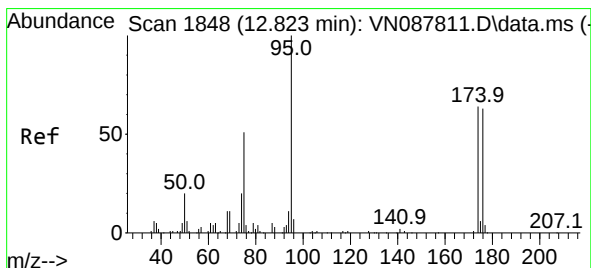
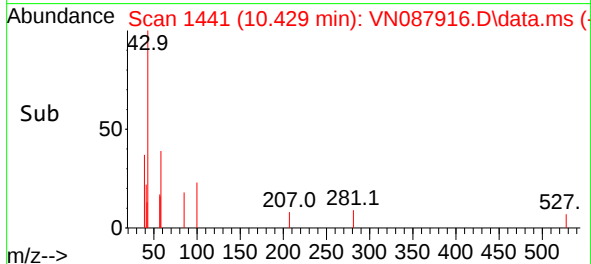
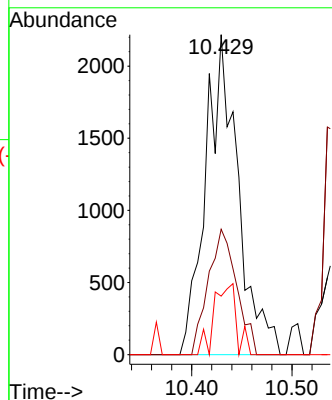
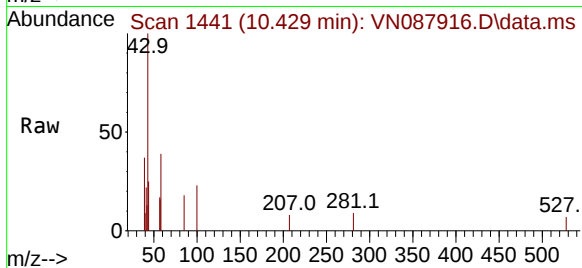
Tgt Ion: 43 Resp: 4980

Ion Ratio Lower Upper

43 100

58 34.4 29.6 44.4

85 6.0 13.0 19.4#



#60

4-Bromofluorobenzene

Concen: 24.199 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. -0.000 min

Lab File: VN087916.D

Acq: 22 Sep 2025 13:04

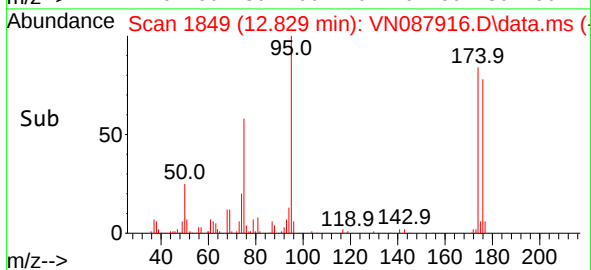
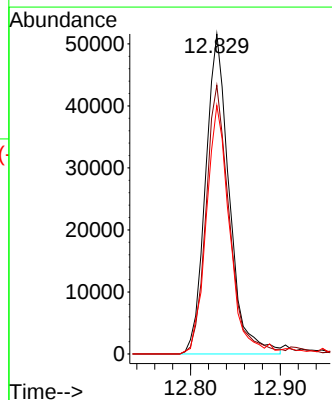
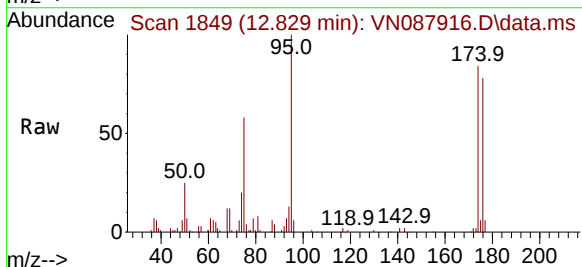
Tgt Ion: 95 Resp: 95076

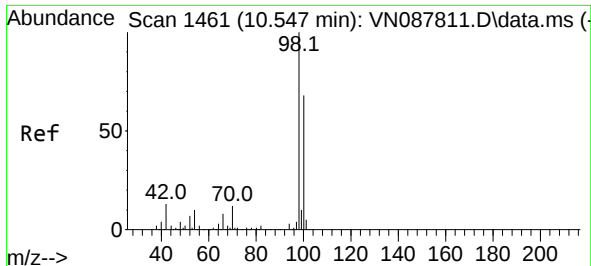
Ion Ratio Lower Upper

95 100

174 82.9 55.4 83.0

176 75.5 51.5 77.3

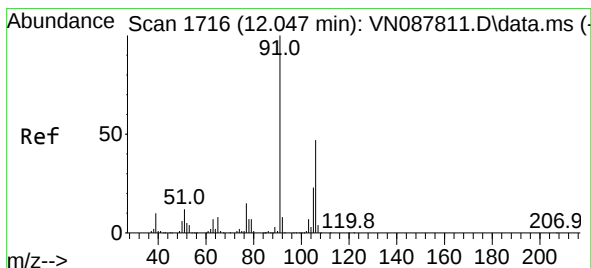
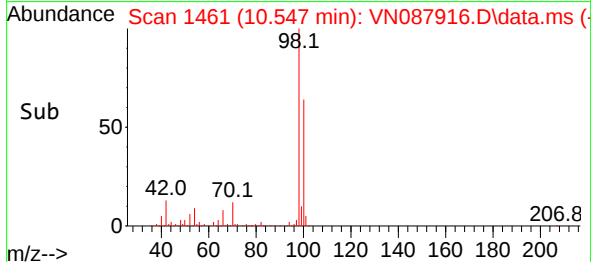
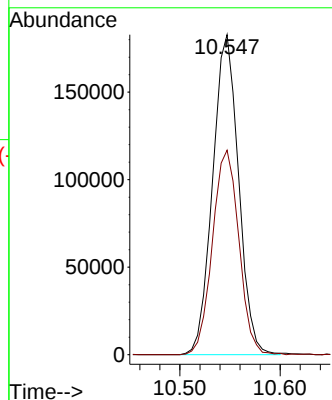
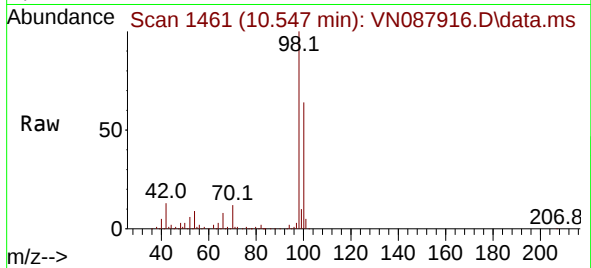




#63
Toluene-d8
Concen: 28.929 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087916.D
Acq: 22 Sep 2025 13:04

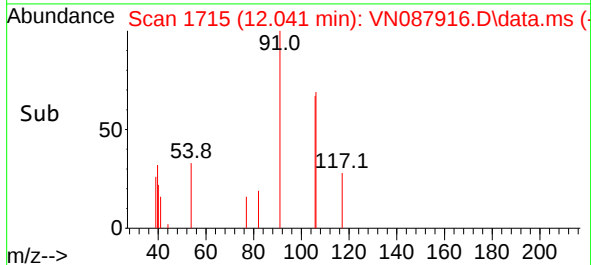
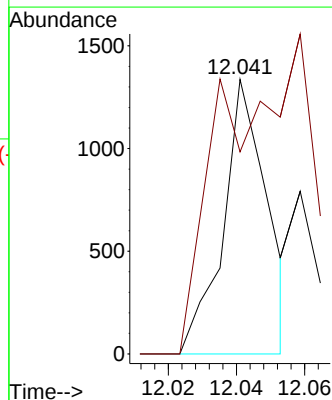
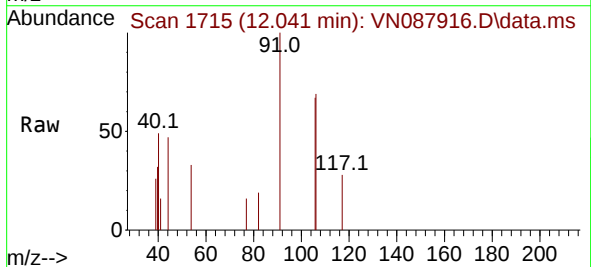
Instrument :
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001 Willets Pt Blvd (Aug)

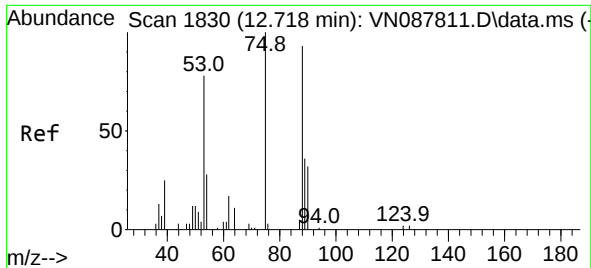
Tgt Ion: 98 Resp: 328740
Ion Ratio Lower Upper
98 100
100 65.1 50.6 76.0



#67
m/p-Xylenes
Concen: 0.202 ug/l
RT: 12.041 min Scan# 1715
Delta R.T. -0.006 min
Lab File: VN087916.D
Acq: 22 Sep 2025 13:04

Tgt Ion: 106 Resp: 1195
Ion Ratio Lower Upper
106 100
91 88.3 174.3 261.5#





#77

t-1,4-Dichloro-2-butene

Concen: 31.244 ug/l

RT: 12.829 min Scan# 11

Delta R.T. 0.112 min

Lab File: VN087916.D

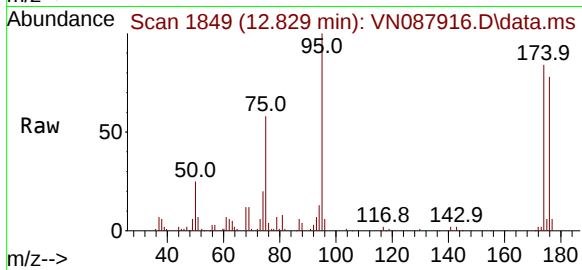
Acq: 22 Sep 2025 13:04

Instrument :

MSVOA_N

ClientSampleId :

001 Willets Pt Blvd (Aug)



Tgt Ion: 75 Resp: 54167

Ion Ratio Lower Upper

75 100

53 0.5 45.3 135.9#

89 0.0 18.8 56.3#

