

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071825\
 Data File : VN087362.D
 Acq On : 18 Jul 2025 13:37
 Operator : JC\MD
 Sample : Q2630-01DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 001 Willets Pt Blvd (June)DL

Quant Time: Jul 18 23:19:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:49:56 2025
 Response via : Initial Calibration

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

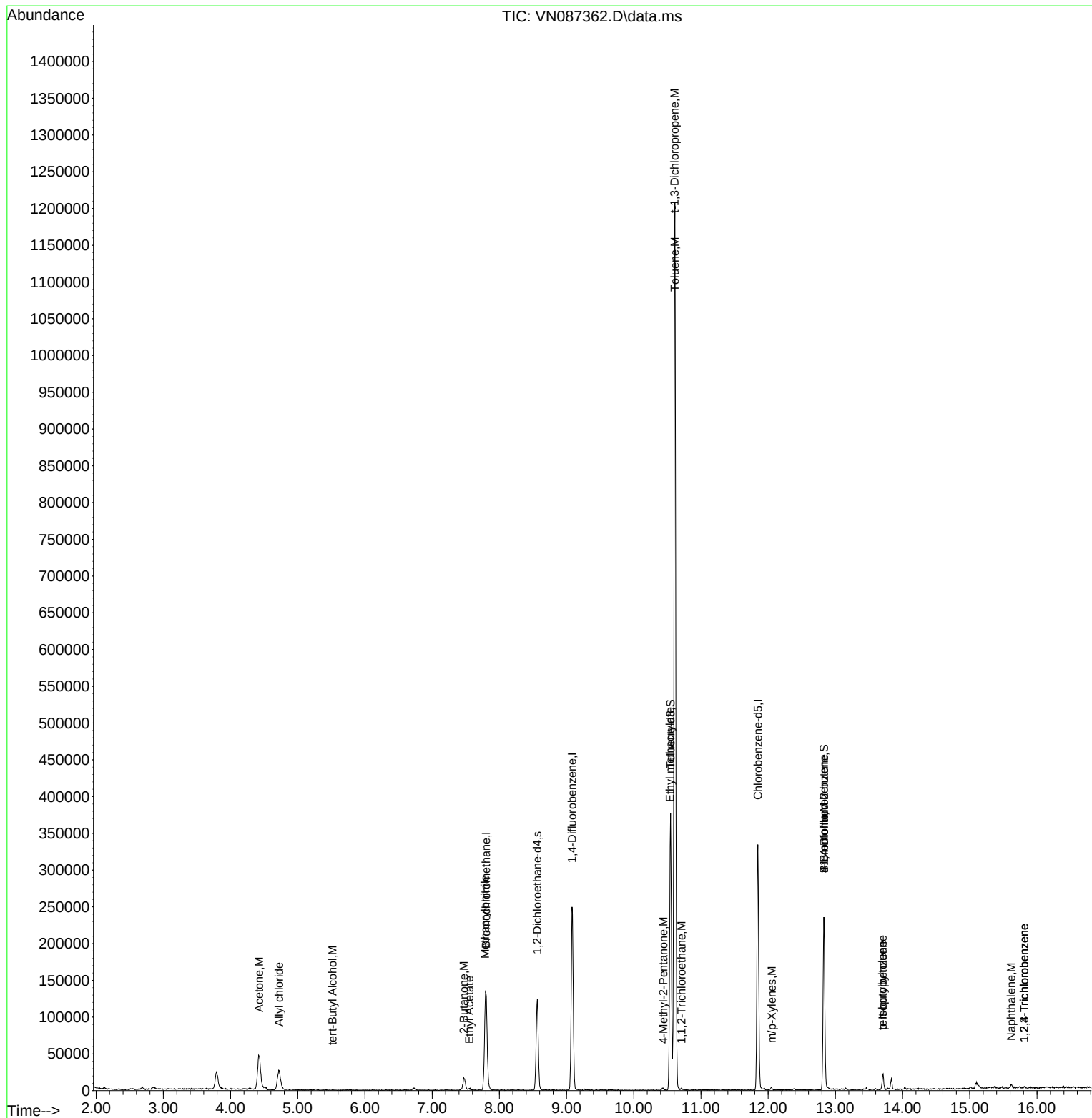
Internal Standards						
1) Bromochloromethane	7.800	128	44931	30.000	ug/l	-0.02
28) 1,4-Difluorobenzene	9.082	114	209359	30.000	ug/l	-0.02
57) Chlorobenzene-d5	11.847	117	189782	30.000	ug/l	-0.02
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	103193	30.482	ug/l	-0.02
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.600%
60) 4-Bromofluorobenzene	12.829	95	83982	28.677	ug/l	-0.02
Spiked Amount	30.000	Range	63 - 112	Recovery	=	95.600%
63) Toluene-d8	10.547	98	248466	29.159	ug/l	-0.02
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.200%
Target Compounds						
15) Acetone	4.424	58	28413	48.914	ug/l	88
17) Allyl chloride	4.724	41	3771	0.840	ug/l	89
23) tert-Butyl Alcohol	5.518	59	199	0.266	ug/l #	100
30) 2-Butanone	7.471	43	28597	12.992	ug/l #	94
35) Methacrylonitrile	7.788	41	1168	0.527	ug/l #	35
43) Ethyl Acetate	7.553	43	1837	0.462	ug/l #	83
48) t-1,3-Dichloropropene	10.606	75	6832	1.721	ug/l #	1
50) 1,1,2-Trichloroethane	10.712	97	722	0.288	ug/l #	15
51) Ethyl methacrylate	10.541	69	901	0.236	ug/l	90
56) Bromoform	12.829	173	1004	0.555	ug/l #	1
58) 4-Methyl-2-Pentanone	10.441	43	822	0.215	ug/l #	42
62) Toluene	10.612	91	907157	84.634	ug/l	98
67) m/p-Xylenes	12.053	106	1156	0.257	ug/l	93
77) t-1,4-Dichloro-2-butene	12.829	75	45330	30.821	ug/l #	13
79) tert-butylbenzene	13.706	119	11102	1.519	ug/l	62
82) p-Isopropyltoluene	13.706	119	11102	1.255	ug/l	95
89) 1,2,4-Trichlorobenzene	15.811	180	649	0.244	ug/l #	76
91) Naphthalene	15.617	128	4833	0.461	ug/l #	85
92) 1,2,3-Trichlorobenzene	15.811	180	649	0.244	ug/l	76

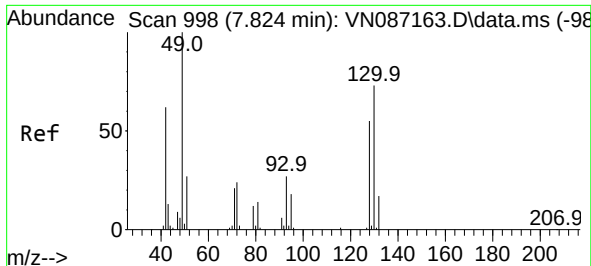
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071825\
Data File : VN087362.D
Acq On : 18 Jul 2025 13:37
Operator : JC\MD
Sample : Q2630-01DL 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
001 Willets Pt Blvd (June)DL

Quant Time: Jul 18 23:19:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:49:56 2025
Response via : Initial Calibration

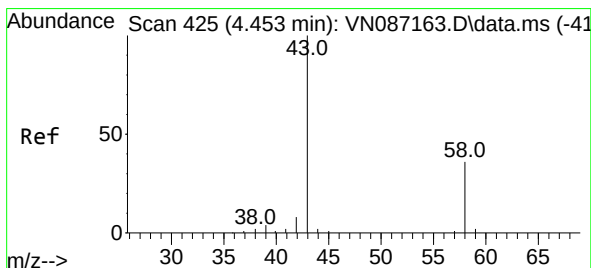
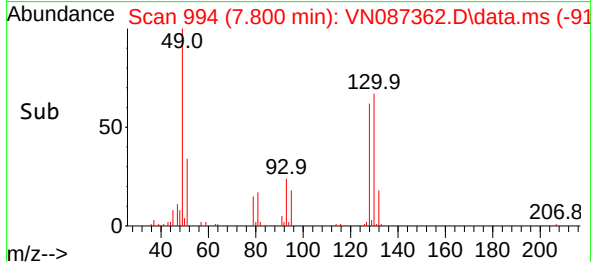
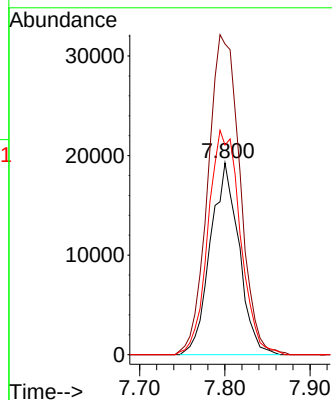
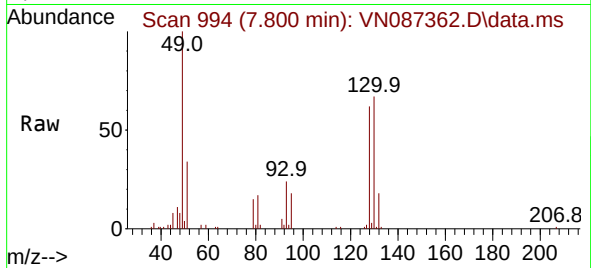




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 91
Delta R.T. -0.024 min
Lab File: VN087362.D
Acq: 18 Jul 2025 13:37

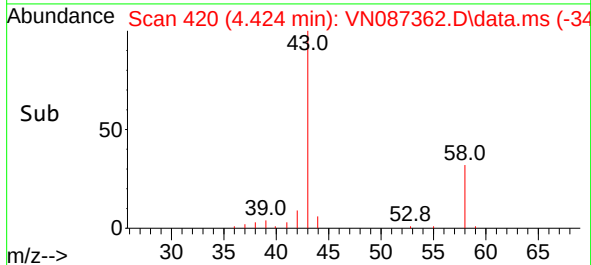
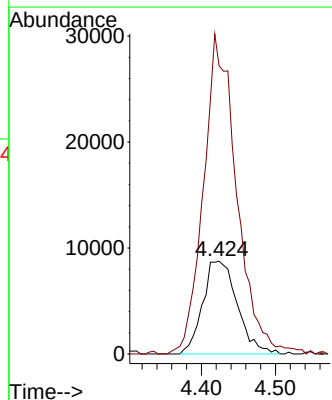
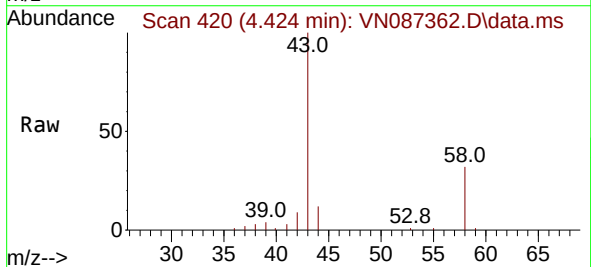
Instrument :
MSVOA_N
ClientSampleId :
001 Willets Pt Blvd (June)DL

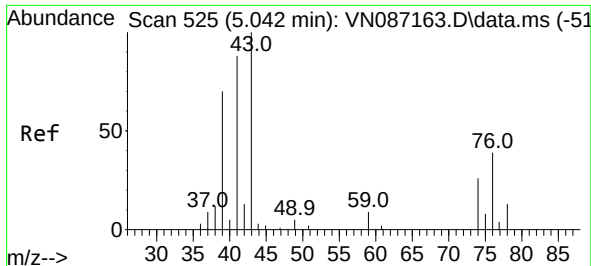
Tgt Ion:128 Resp: 44931
Ion Ratio Lower Upper
128 100
49 187.1 0.0 450.5
130 131.7 0.0 320.7



#15
Acetone
Concen: 48.914 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.029 min
Lab File: VN087362.D
Acq: 18 Jul 2025 13:37

Tgt Ion: 58 Resp: 28413
Ion Ratio Lower Upper
58 100
43 302.2 224.3 336.5





#17

Allyl chloride

Concen: 0.840 ug/l

RT: 4.724 min Scan# 41

Delta R.T. -0.318 min

Lab File: VN087362.D

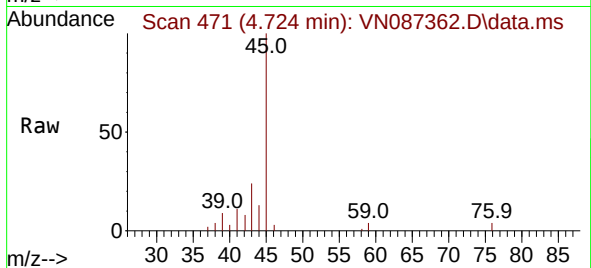
Acq: 18 Jul 2025 13:37

Instrument :

MSVOA_N

ClientSampleId :

001 Willets Pt Blvd (June)DL



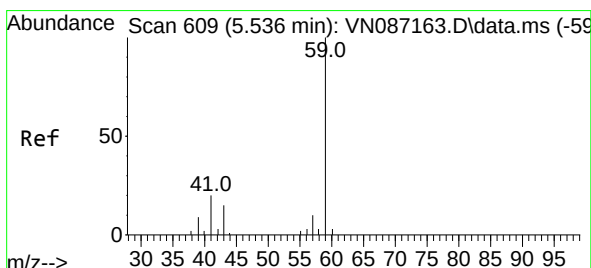
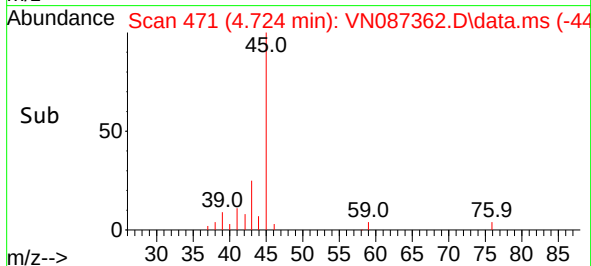
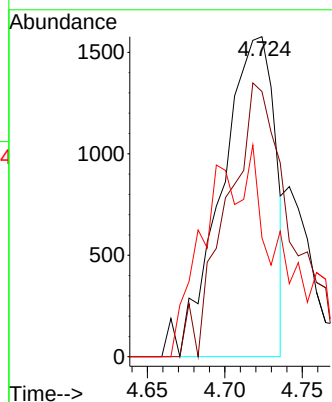
Tgt Ion: 41 Resp: 3771

Ion Ratio Lower Upper

41 100

39 71.0 36.0 108.0

76 21.0 19.5 58.5



#23

tert-Butyl Alcohol

Concen: 0.266 ug/l

RT: 5.518 min Scan# 606

Delta R.T. -0.018 min

Lab File: VN087362.D

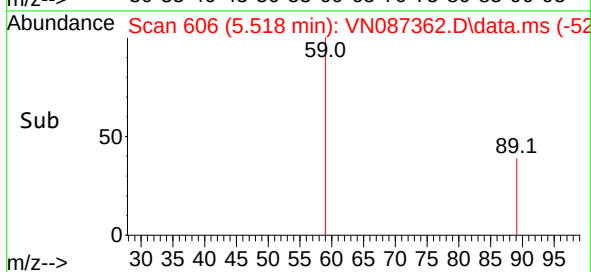
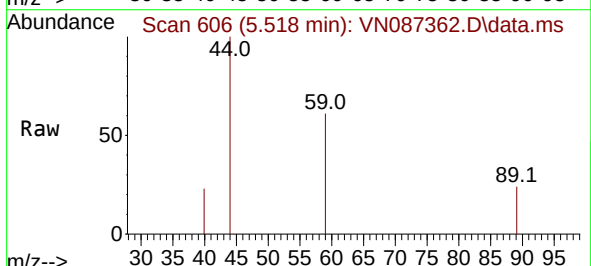
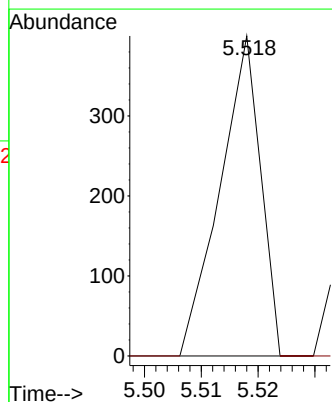
Acq: 18 Jul 2025 13:37

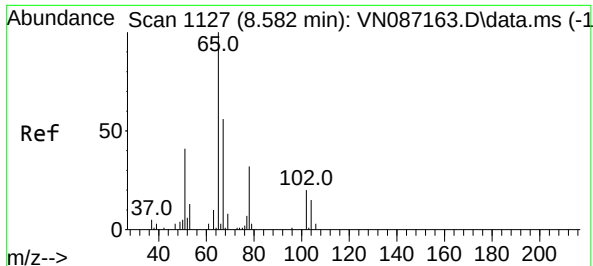
Tgt Ion: 59 Resp: 199

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0





#27

1,2-Dichloroethane-d4

Concen: 30.482 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. -0.018 min

Lab File: VN087362.D

Acq: 18 Jul 2025 13:37

Instrument :

MSVOA_N

ClientSampleId :

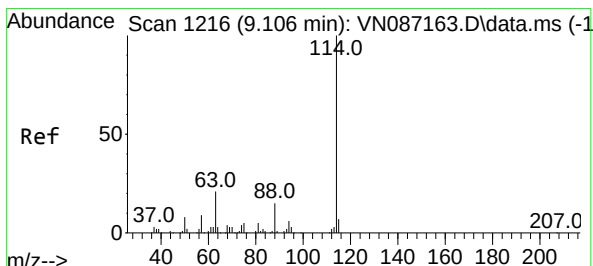
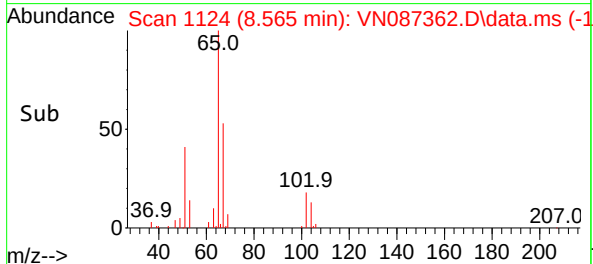
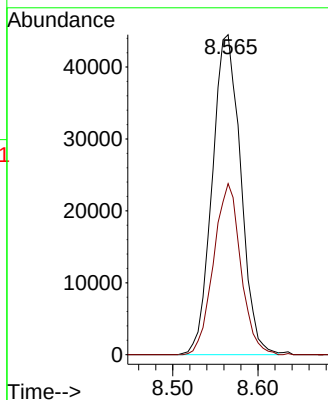
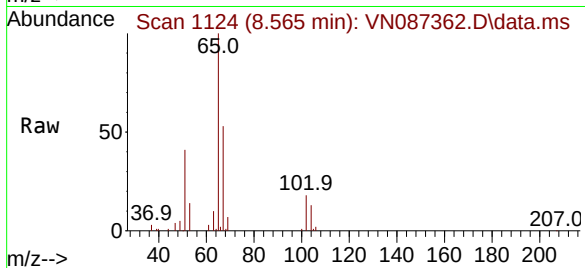
001 Willets Pt Blvd (June)DL

Tgt Ion: 65 Resp: 103193

Ion Ratio Lower Upper

65 100

67 51.2 41.9 62.9



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.024 min

Lab File: VN087362.D

Acq: 18 Jul 2025 13:37

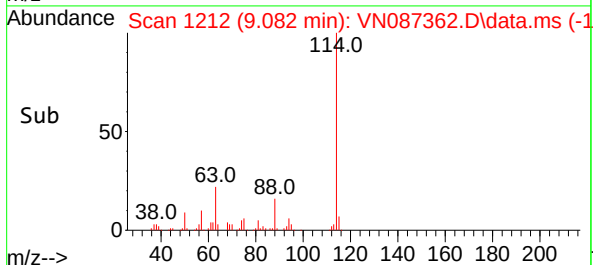
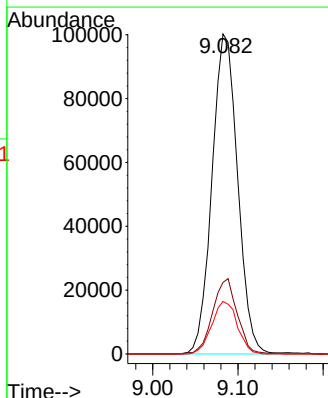
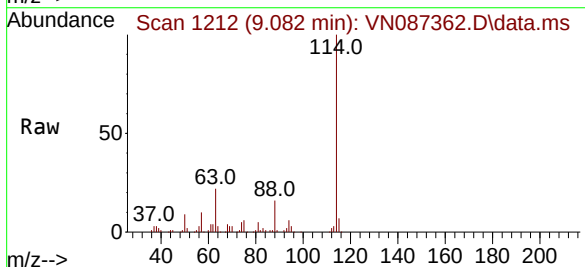
Tgt Ion: 114 Resp: 209359

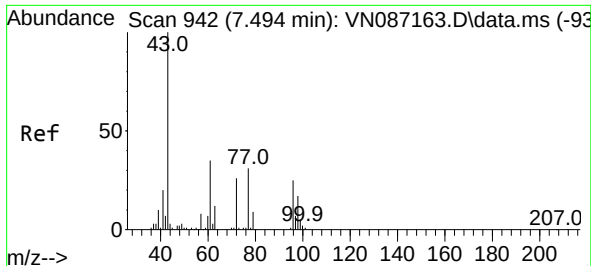
Ion Ratio Lower Upper

114 100

63 22.5 17.0 25.4

88 16.3 12.6 19.0

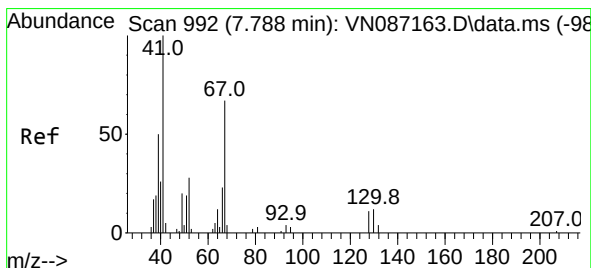
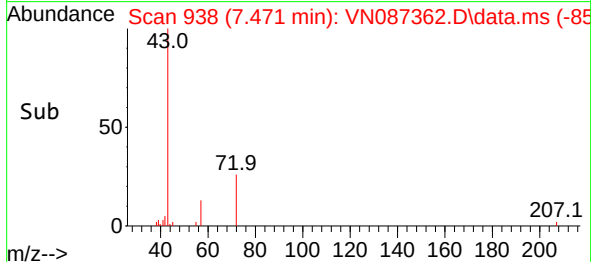
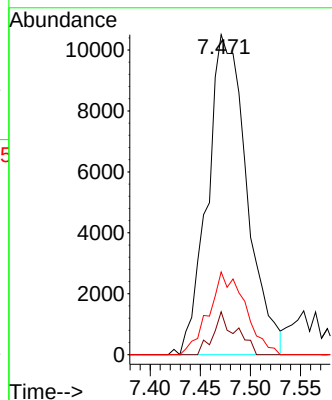
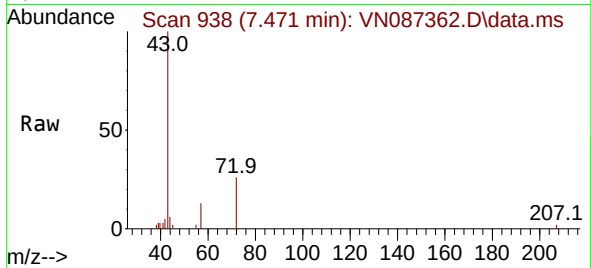




#30
2-Butanone
Concen: 12.992 ug/l
RT: 7.471 min Scan# 91
Delta R.T. -0.024 min
Lab File: VN087362.D
Acq: 18 Jul 2025 13:37

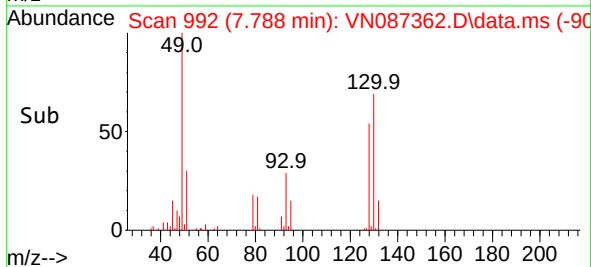
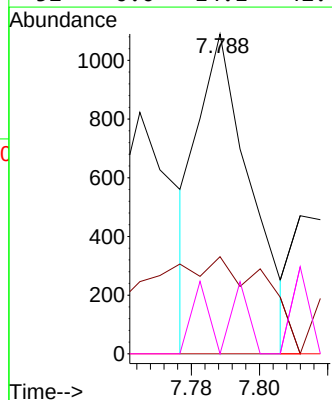
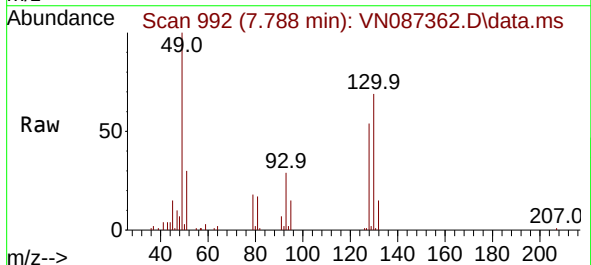
Instrument :
MSVOA_N
ClientSampleId :
001 Willets Pt Blvd (June)DL

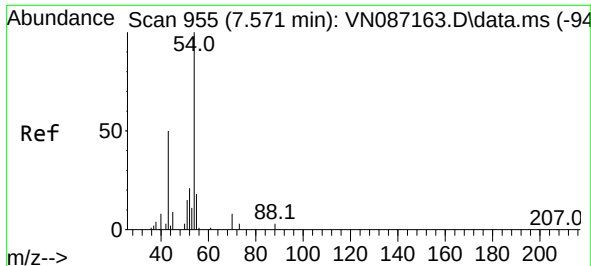
Tgt Ion: 43 Resp: 28597
Ion Ratio Lower Upper
43 100
57 5.5 6.3 9.5#
72 24.1 21.8 32.6



#35
Methacrylonitrile
Concen: 0.527 ug/l
RT: 7.788 min Scan# 992
Delta R.T. 0.000 min
Lab File: VN087362.D
Acq: 18 Jul 2025 13:37

Tgt Ion: 41 Resp: 1168
Ion Ratio Lower Upper
41 100
39 16.4 24.4 73.2#
67 0.0 33.3 99.8#
52 0.0 14.1 42.4#

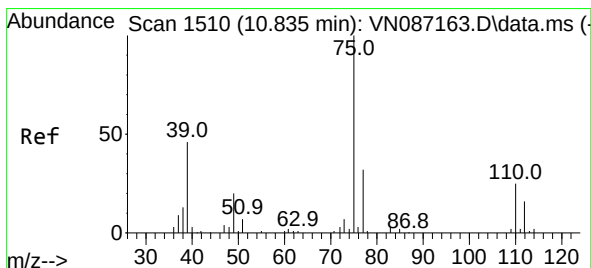
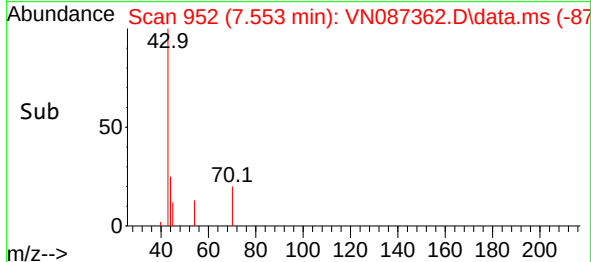
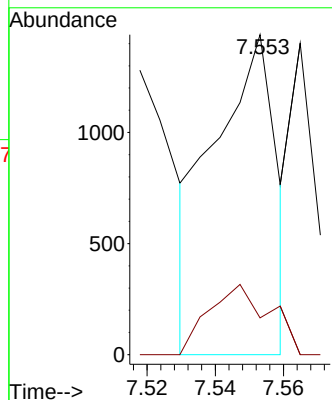
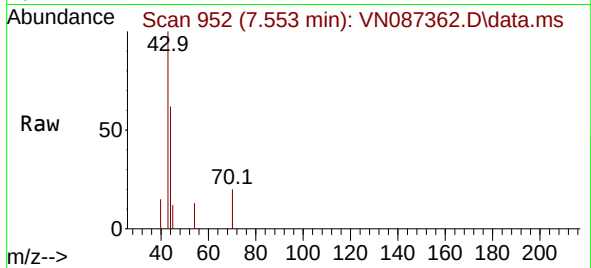




#43
Ethyl Acetate
Concen: 0.462 ug/l
RT: 7.553 min Scan# 91
Delta R.T. -0.018 min
Lab File: VN087362.D
Acq: 18 Jul 2025 13:37

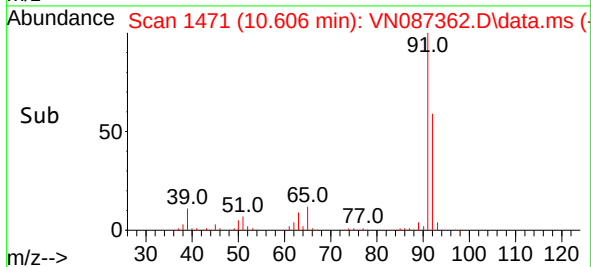
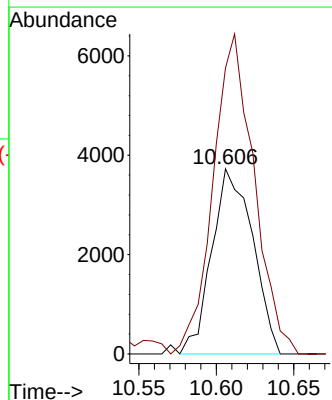
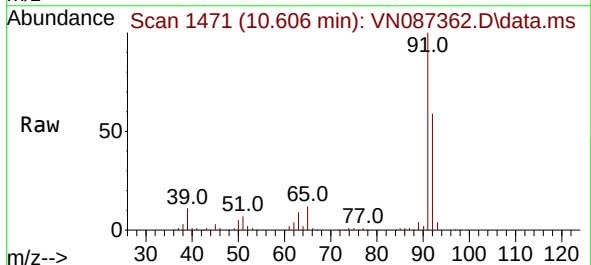
Instrument :
MSVOA_N
ClientSampleId :
001 Willets Pt Blvd (June)DL

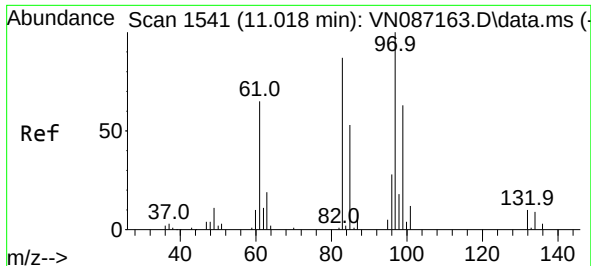
Tgt Ion: 43 Resp: 1837
Ion Ratio Lower Upper
43 100
45 21.3 11.5 17.3#



#48
t-1,3-Dichloropropene
Concen: 1.721 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.229 min
Lab File: VN087362.D
Acq: 18 Jul 2025 13:37

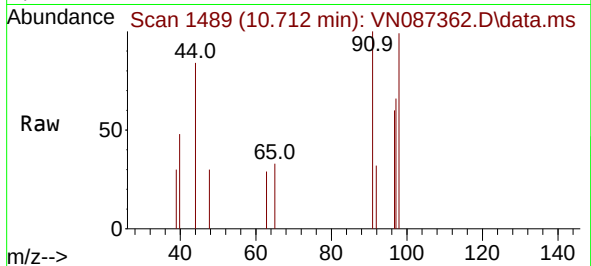
Tgt Ion: 75 Resp: 6832
Ion Ratio Lower Upper
75 100
77 149.9 25.4 38.0#



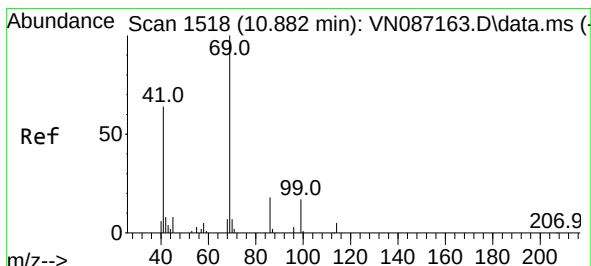
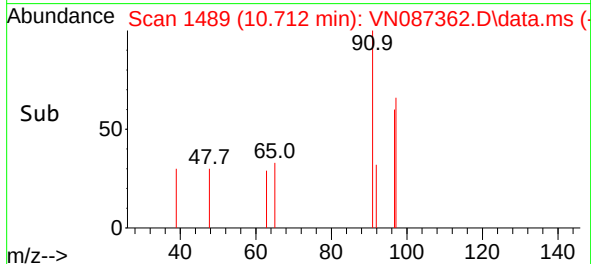
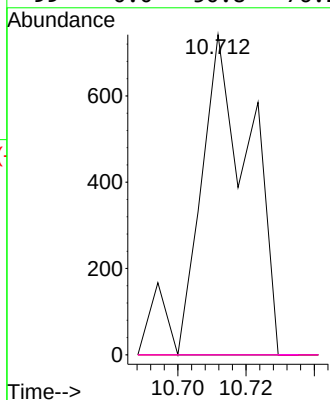


#50
1,1,2-Trichloroethane
Concen: 0.288 ug/l
RT: 10.712 min Scan# 1460
Delta R.T. -0.306 min
Lab File: VN087362.D
Acq: 18 Jul 2025 13:37

Instrument :
MSVOA_N
ClientSampleId :
001 Willets Pt Blvd (June)DL

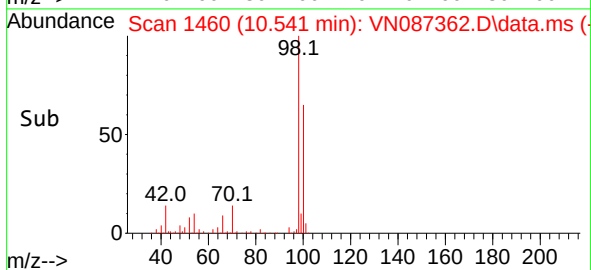
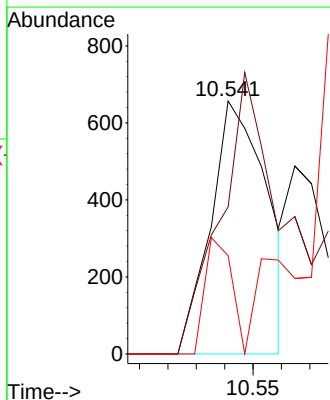
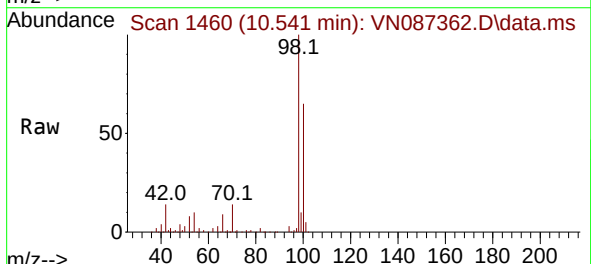


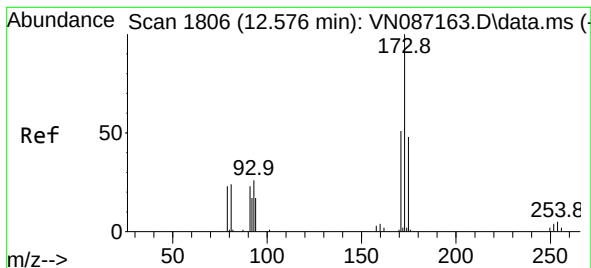
Tgt Ion: 97	Resp:	722	
Ion	Ratio	Lower	Upper
97	100		
83	0.0	69.6	104.4#
85	0.0	42.0	63.0#
99	0.0	50.8	76.2#



#51
Ethyl methacrylate
Concen: 0.236 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.341 min
Lab File: VN087362.D
Acq: 18 Jul 2025 13:37

Tgt Ion: 69	Resp: 901
Ion Ratio	Lower Upper
69 100	
41 58.1	31.8 95.3
39 38.8	15.3 45.8





#56

Bromoform

Concen: 0.555 ug/l

RT: 12.829 min Scan# 1806

Delta R.T. 0.253 min

Lab File: VN087362.D

Acq: 18 Jul 2025 13:37

Instrument :

MSVOA_N

ClientSampleId :

001 Willets Pt Blvd (June)DL

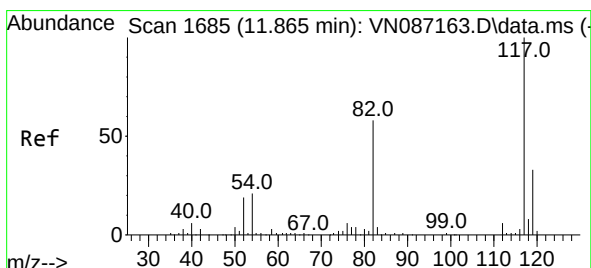
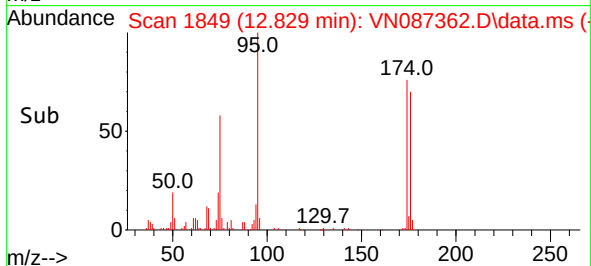
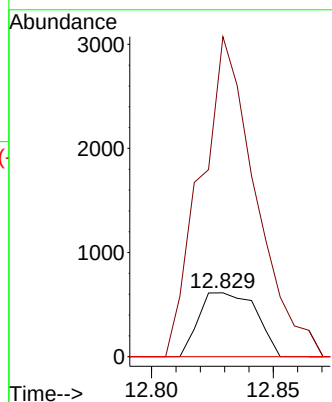
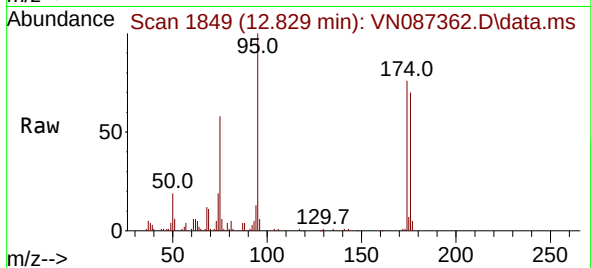
Tgt Ion:173 Resp: 1004

Ion Ratio Lower Upper

173 100

175 481.6 38.7 58.1#

254 0.0 4.2 6.4#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.847 min Scan# 1682

Delta R.T. -0.018 min

Lab File: VN087362.D

Acq: 18 Jul 2025 13:37

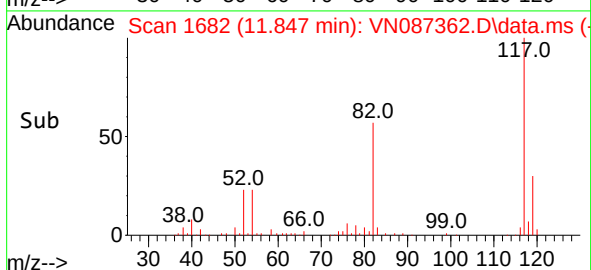
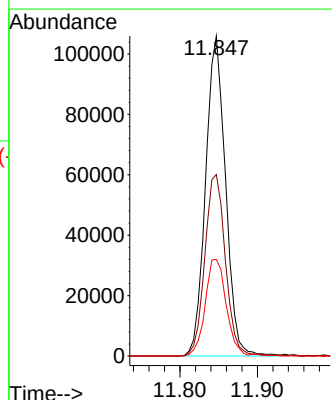
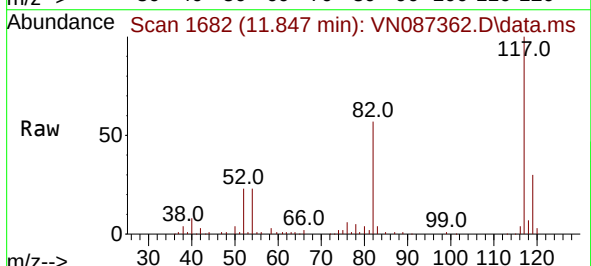
Tgt Ion:117 Resp: 189782

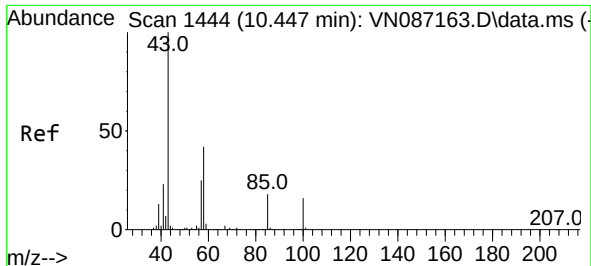
Ion Ratio Lower Upper

117 100

82 58.5 45.4 68.2

119 31.7 26.2 39.4

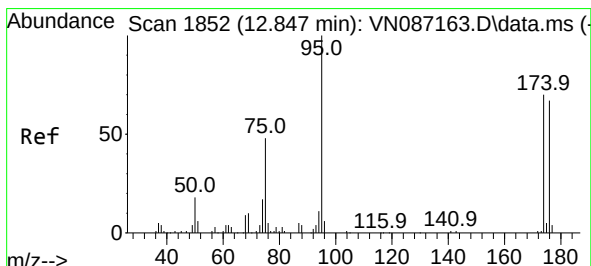
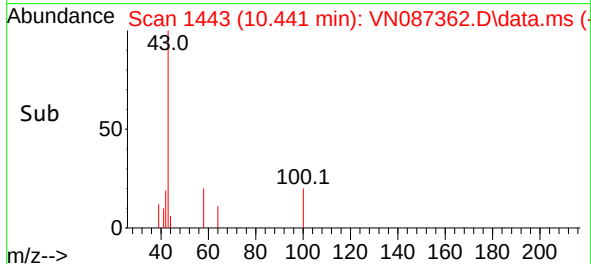
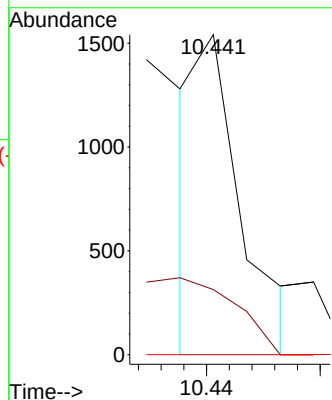
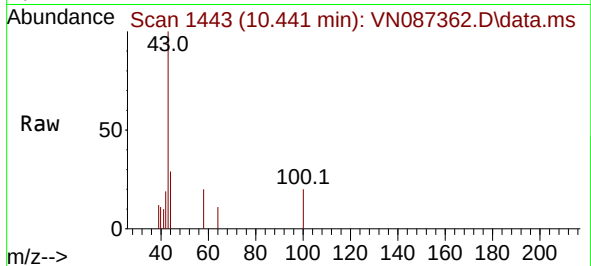




#58
4-Methyl-2-Pentanone
Concen: 0.215 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN087362.D
Acq: 18 Jul 2025 13:37

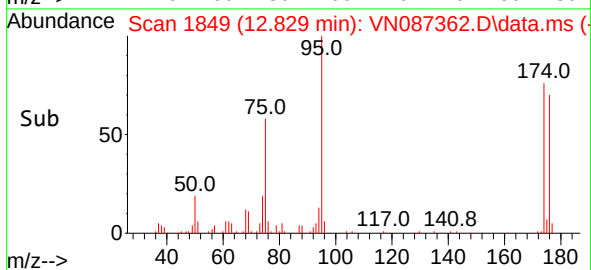
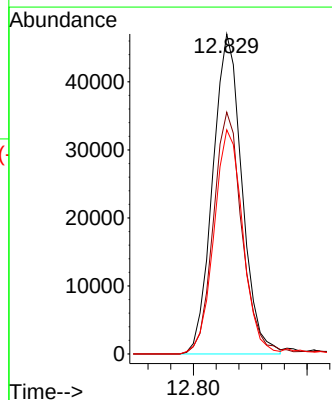
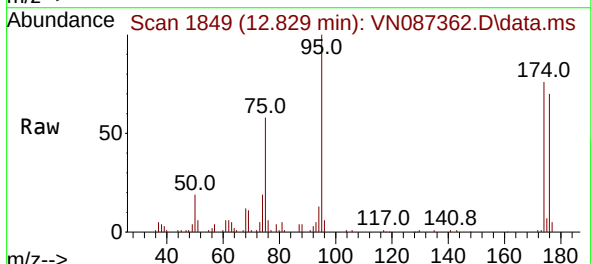
Instrument :
MSVOA_N
ClientSampleId :
001 Willets Pt Blvd (June)DL

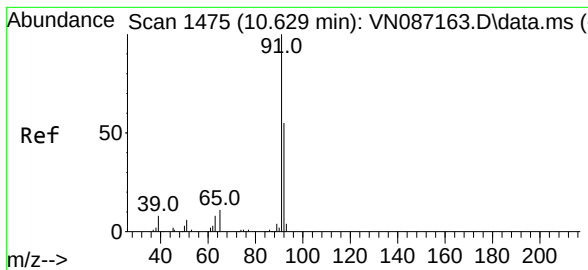
Tgt Ion: 43 Resp: 822
Ion Ratio Lower Upper
43 100
58 0.0 32.6 49.0#
85 0.0 14.6 22.0#



#60
4-Bromofluorobenzene
Concen: 28.677 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.018 min
Lab File: VN087362.D
Acq: 18 Jul 2025 13:37

Tgt Ion: 95 Resp: 83982
Ion Ratio Lower Upper
95 100
174 74.5 54.5 81.7
176 69.4 51.9 77.9





#62

Toluene

Concen: 84.634 ug/l

RT: 10.612 min Scan# 1472

Delta R.T. -0.018 min

Lab File: VN087362.D

Acq: 18 Jul 2025 13:37

Instrument :

MSVOA_N

ClientSampleId :

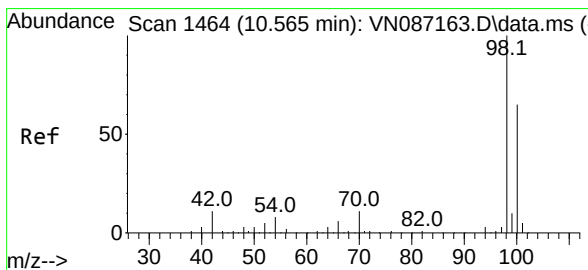
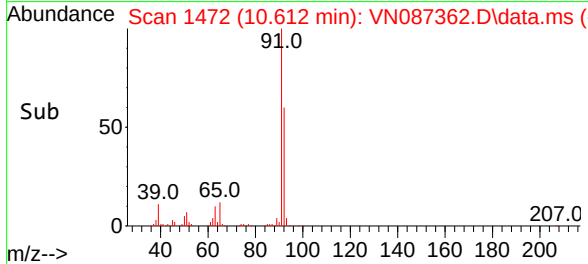
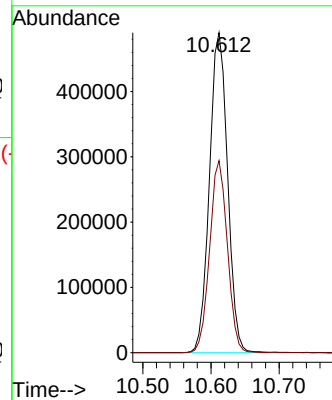
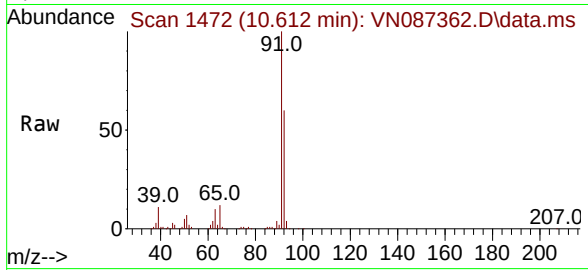
001 Willets Pt Blvd (June)DL

Tgt Ion: 91 Resp: 907157

Ion Ratio Lower Upper

91 100

92 58.6 45.8 68.8



#63

Toluene-d8

Concen: 29.159 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. -0.018 min

Lab File: VN087362.D

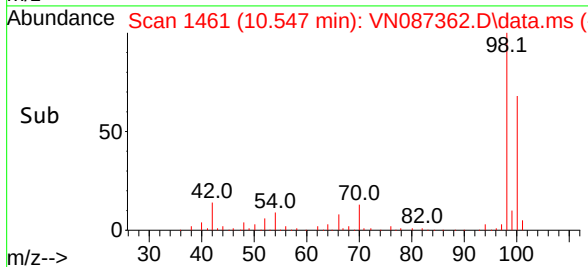
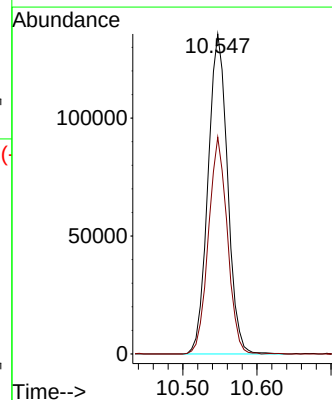
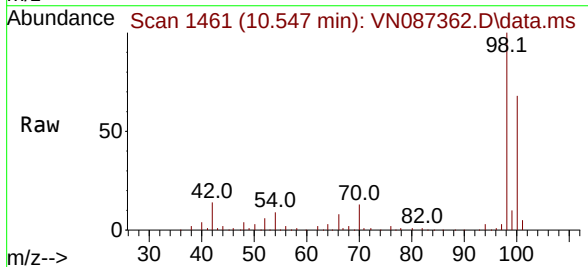
Acq: 18 Jul 2025 13:37

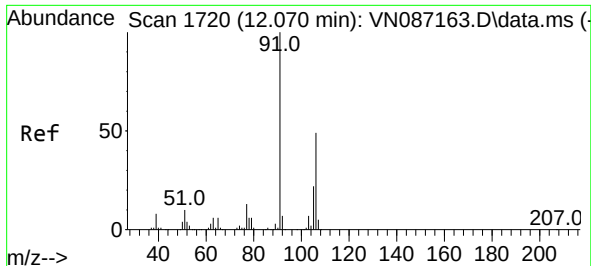
Tgt Ion: 98 Resp: 248466

Ion Ratio Lower Upper

98 100

100 65.4 52.5 78.7

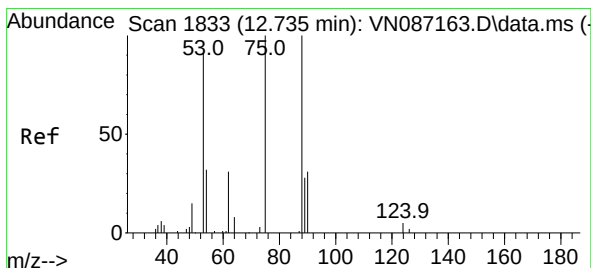
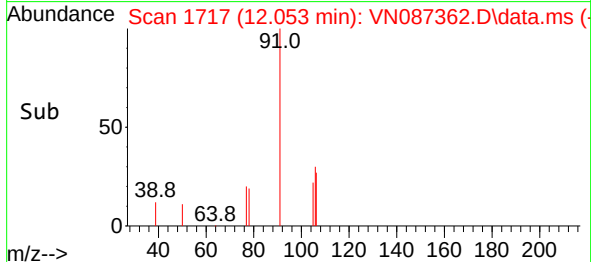
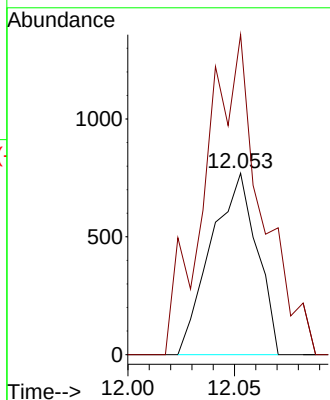
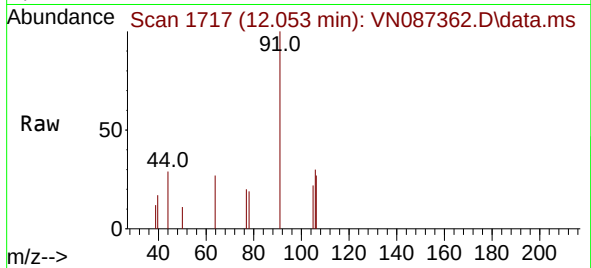




#67
m/p-Xylenes
Concen: 0.257 ug/l
RT: 12.053 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN087362.D
Acq: 18 Jul 2025 13:37

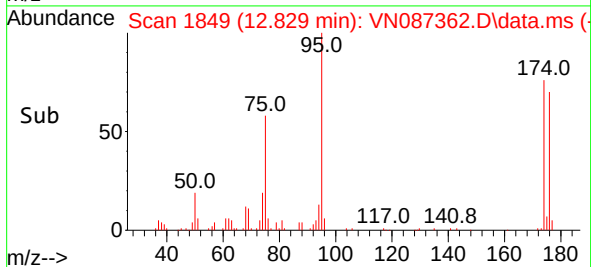
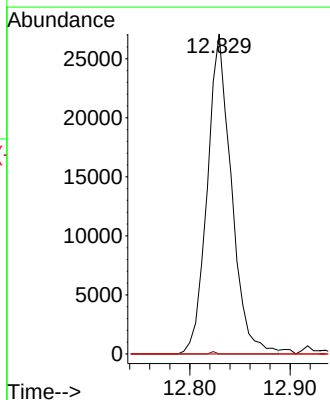
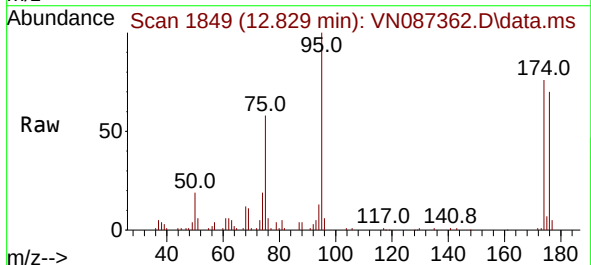
Instrument :
MSVOA_N
ClientSampleId :
001 Willets Pt Blvd (June)DL

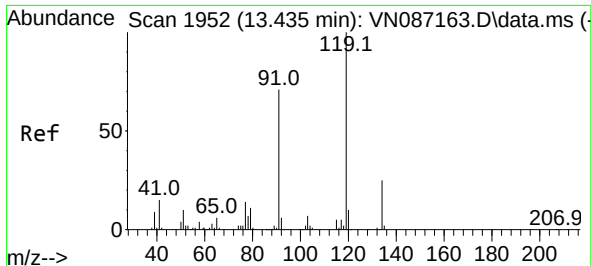
Tgt Ion:106 Resp: 1156
Ion Ratio Lower Upper
106 100
91 192.8 163.0 244.4



#77
t-1,4-Dichloro-2-butene
Concen: 30.821 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.094 min
Lab File: VN087362.D
Acq: 18 Jul 2025 13:37

Tgt Ion: 75 Resp: 45330
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.6#
89 0.0 22.3 66.9#

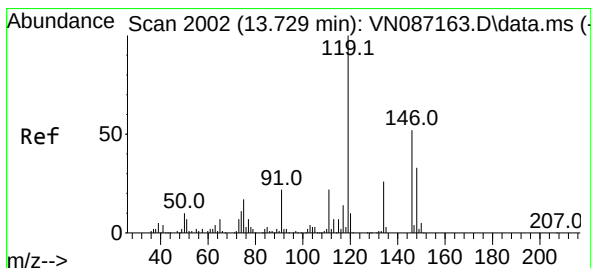
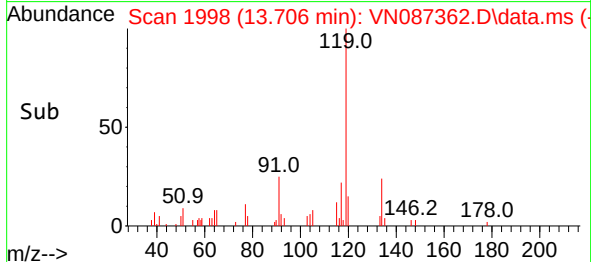
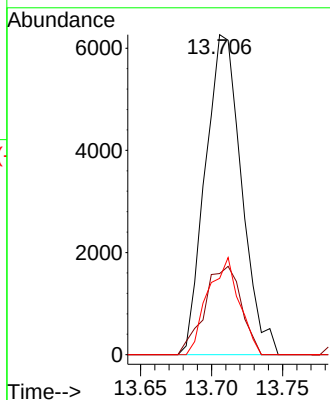
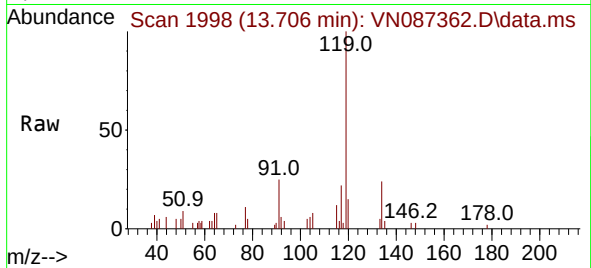




#79
tert-butylbenzene
Concen: 1.519 ug/l
RT: 13.706 min Scan# 1998
Delta R.T. 0.271 min
Lab File: VN087362.D
Acq: 18 Jul 2025 13:37

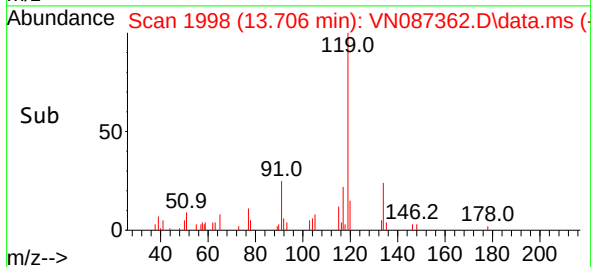
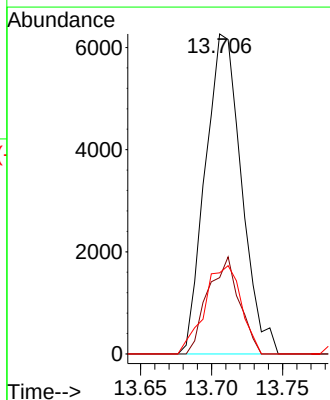
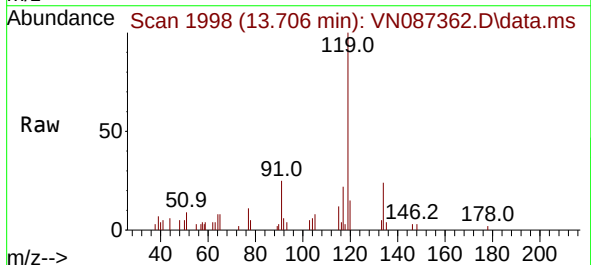
Instrument :
MSVOA_N
ClientSampleId :
001 Willets Pt Blvd (June)DL

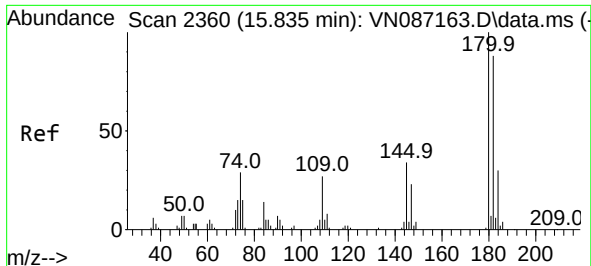
Tgt Ion:	119	Resp:	11102
Ion Ratio	Lower	Upper	
119	100		
91	28.0	0.0	137.0
134	26.4	0.0	49.4



#82
p-Isopropyltoluene
Concen: 1.255 ug/l
RT: 13.706 min Scan# 1998
Delta R.T. -0.024 min
Lab File: VN087362.D
Acq: 18 Jul 2025 13:37

Tgt Ion:	119	Resp:	11102
Ion Ratio	Lower	Upper	
119	100		
134	26.4	0.0	51.2
91	28.0	0.0	46.4

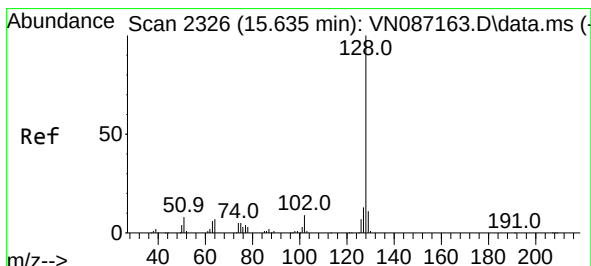
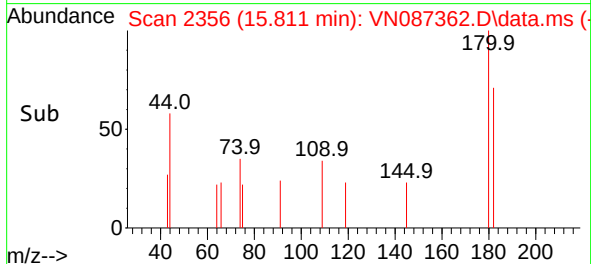
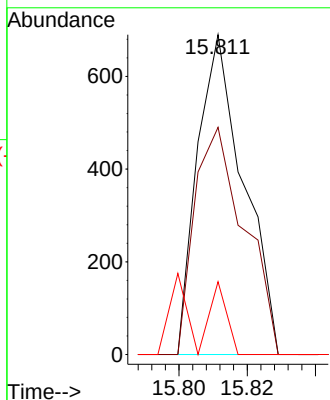
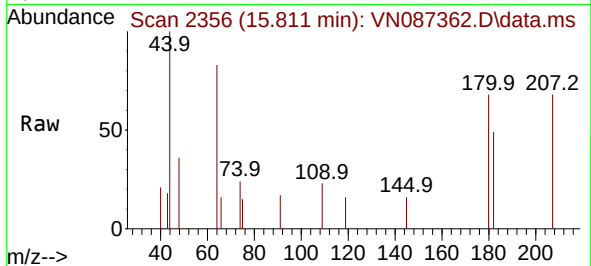




#89
1,2,4-Trichlorobenzene
Concen: 0.244 ug/l
RT: 15.811 min Scan# 21
Delta R.T. -0.024 min
Lab File: VN087362.D
Acq: 18 Jul 2025 13:37

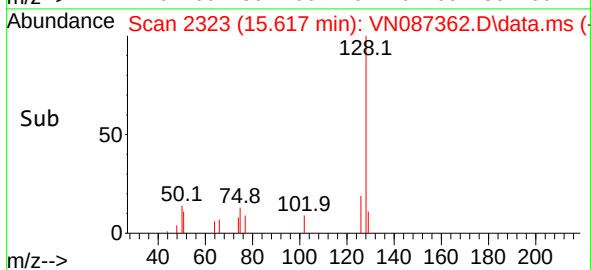
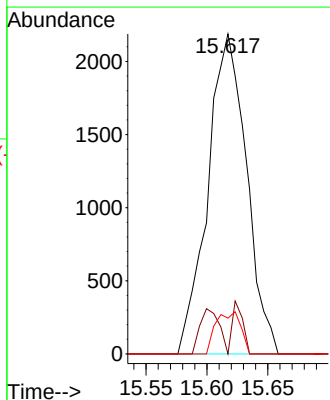
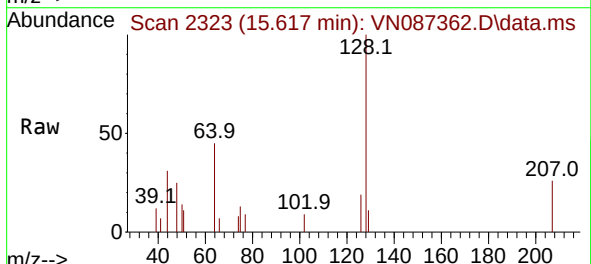
Instrument :
MSVOA_N
ClientSampleId :
001 Willets Pt Blvd (June)DL

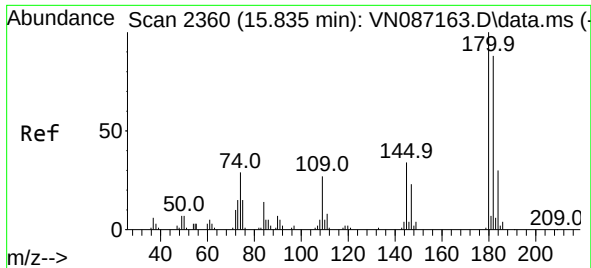
Tgt Ion:180 Resp: 649
Ion Ratio Lower Upper
180 100
182 76.6 74.2 111.2
145 9.6 27.6 41.4#



#91
Naphthalene
Concen: 0.461 ug/l
RT: 15.617 min Scan# 2323
Delta R.T. -0.018 min
Lab File: VN087362.D
Acq: 18 Jul 2025 13:37

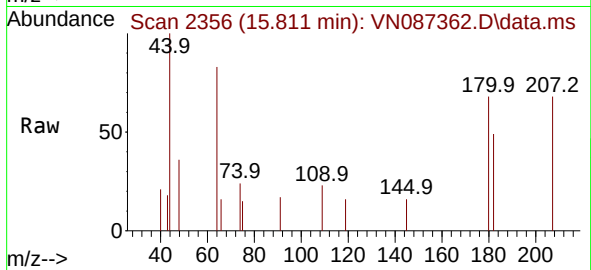
Tgt Ion:128 Resp: 4833
Ion Ratio Lower Upper
128 100
127 4.4 10.6 15.8#
129 8.4 8.8 13.2#





#92
 1,2,3-Trichlorobenzene
 Concen: 0.244 ug/l
 RT: 15.811 min Scan# 21
 Delta R.T. -0.024 min
 Lab File: VN087362.D
 Acq: 18 Jul 2025 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 001 Willets Pt Blvd (June)DL



Tgt Ion:	180	Resp:	649
Ion	Ratio	Lower	Upper
180	100		
182	76.6	0.0	185.4
145	9.6	0.0	69.0

