

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120525\
 Data File : VN088467.D
 Acq On : 05 Dec 2025 10:59
 Operator : JC\MD
 Sample : Q3760-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Dec 05 23:38:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 14 00:49:21 2025
 Response via : Initial Calibration

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

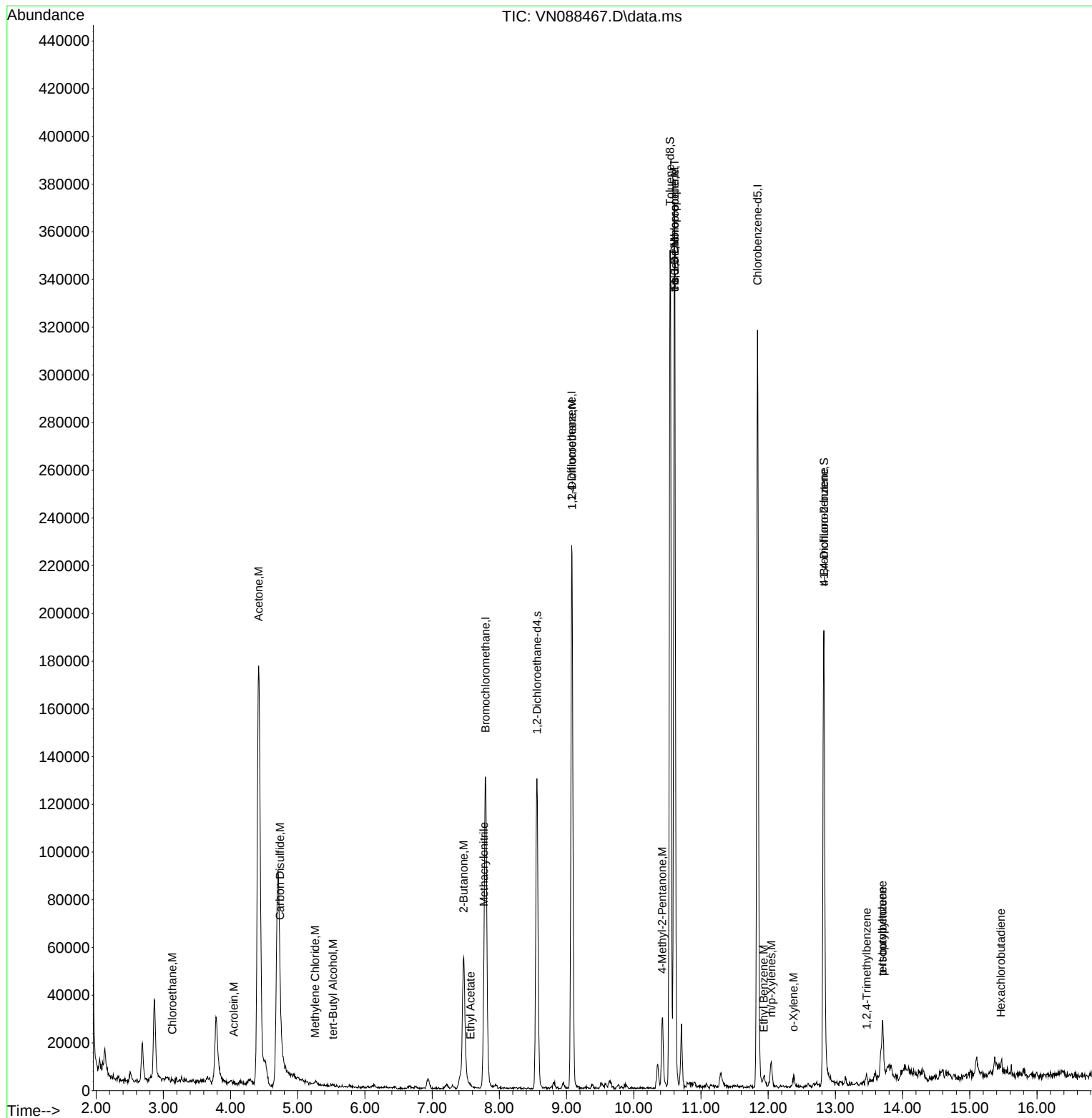
Internal Standards						
1) Bromochloromethane	7.794	128	39477	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.076	114	181676	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	165639	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	113370	31.439	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 104.800%			
60) 4-Bromofluorobenzene	12.829	95	71876	25.670	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 85.567%			
63) Toluene-d8	10.541	98	236619	30.173	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.567%			
Target Compounds						
					Qvalue	
6) Chloroethane	3.136	64	507	0.271	ug/l #	44
13) Acrolein	4.047	56	180	0.349	ug/l	92
15) Acetone	4.418	58	102370	219.978	ug/l	91
16) Carbon Disulfide	4.735	76	33362	4.557	ug/l	97
18) Methylene Chloride	5.259	84	816	0.302	ug/l #	41
23) tert-Butyl Alcohol	5.524	59	746	1.275	ug/l #	100
30) 2-Butanone	7.471	43	96965	49.450	ug/l #	95
35) Methacrylonitrile	7.771	41	4782	2.338	ug/l #	45
36) 1,2-Dichloroethane	9.082	62	8119	2.302	ug/l #	76
43) Ethyl Acetate	7.571	43	1081	0.274	ug/l #	68
48) t-1,3-Dichloropropene	10.606	75	2202	0.609	ug/l #	1
49) cis-1,3-Dichloropropene	10.606	75	2202	0.585	ug/l #	1
58) 4-Methyl-2-Pentanone	10.423	43	23369	6.238	ug/l	95
62) Toluene	10.606	91	266923	28.081	ug/l	98
66) Ethyl Benzene	11.935	91	3141	0.300	ug/l #	85
67) m/p-Xylenes	12.047	106	3035	0.775	ug/l	87
68) o-Xylene	12.376	106	987	0.267	ug/l	72
77) t-1,4-Dichloro-2-butene	12.829	75	42587	40.348	ug/l #	10
79) tert-butylbenzene	13.700	119	11419	1.622	ug/l	64
80) 1,2,4-Trimethylbenzene	13.464	105	2426	0.297	ug/l	85
82) p-Isopropyltoluene	13.700	119	11419	1.346	ug/l	95
90) Hexachlorobutadiene	15.464	225	500	0.566	ug/l #	27

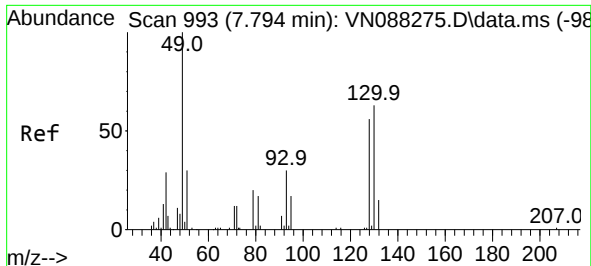
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Quant Time: Dec 05 23:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 2025
Response via : Initial Calibration

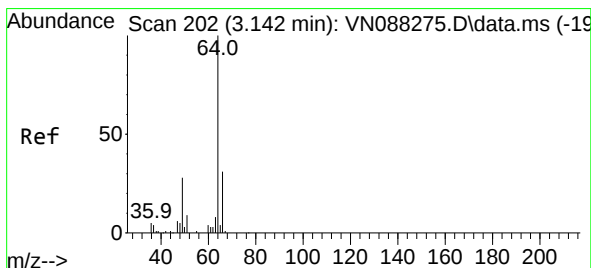
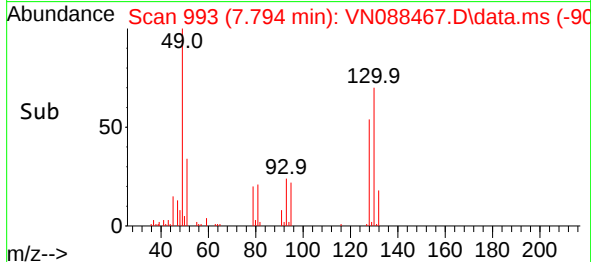
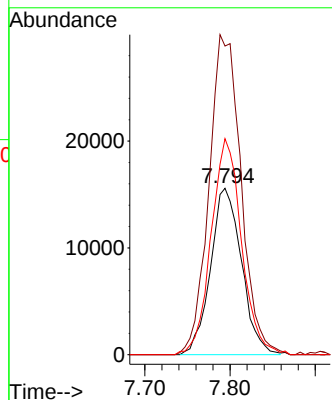
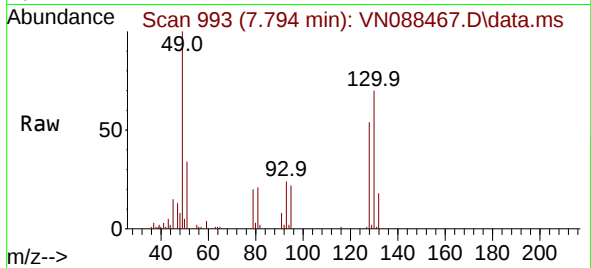




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 993
Delta R.T. 0.000 min
Lab File: VN088467.D
Acq: 05 Dec 2025 10:59

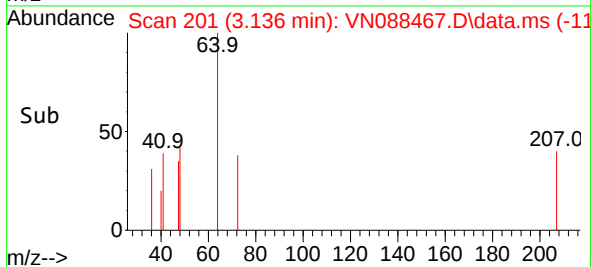
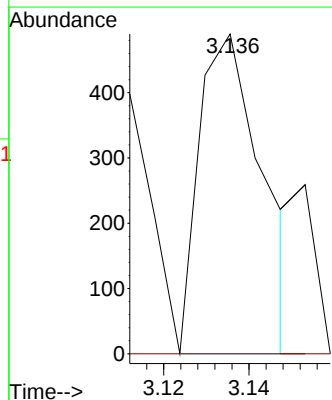
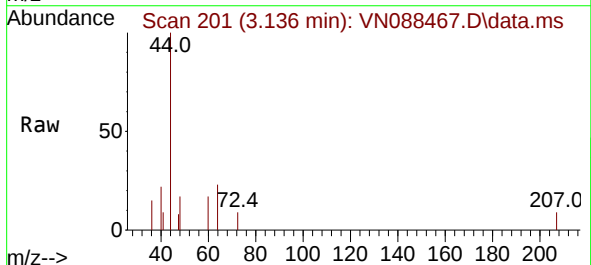
Instrument :
MSVOA_N
ClientSampleId :
001 Willets Pt Blvd (Dec)

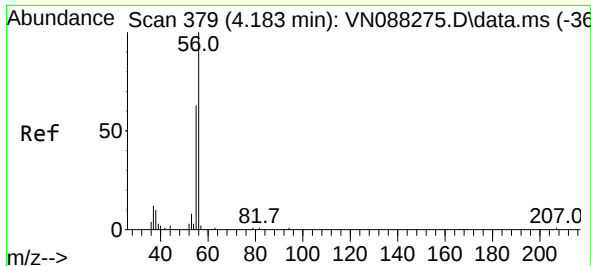
Tgt Ion:128 Resp: 39477
Ion Ratio Lower Upper
128 100
49 198.6 0.0 501.2
130 127.3 0.0 320.2



#6
Chloroethane
Concen: 0.271 ug/l
RT: 3.136 min Scan# 201
Delta R.T. -0.006 min
Lab File: VN088467.D
Acq: 05 Dec 2025 10:59

Tgt Ion: 64 Resp: 507
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

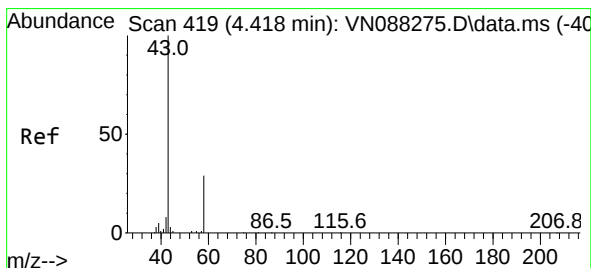
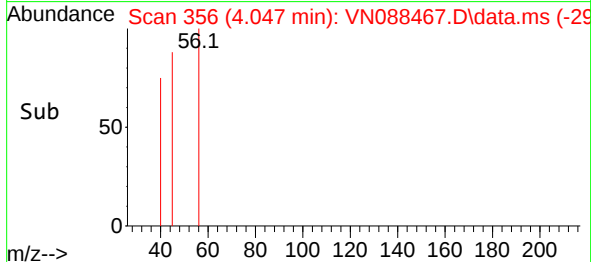
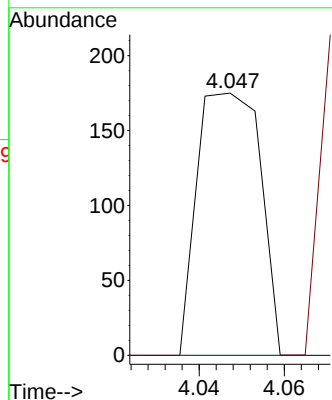
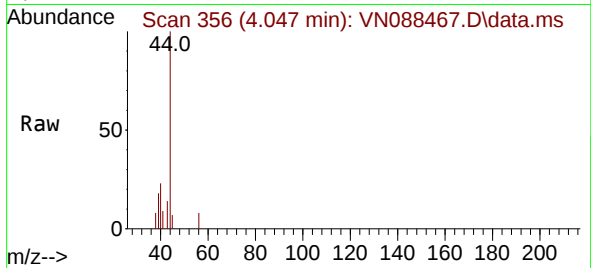




#13
Acrolein
Concen: 0.349 ug/l
RT: 4.047 min Scan# 31
Delta R.T. -0.136 min
Lab File: VN088467.D
Acq: 05 Dec 2025 10:59

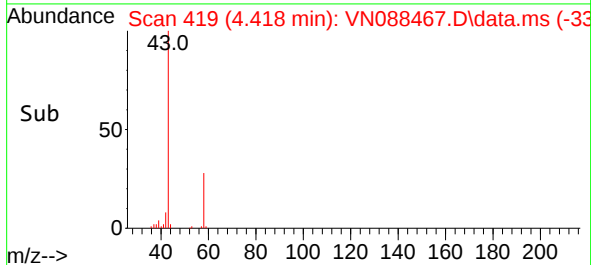
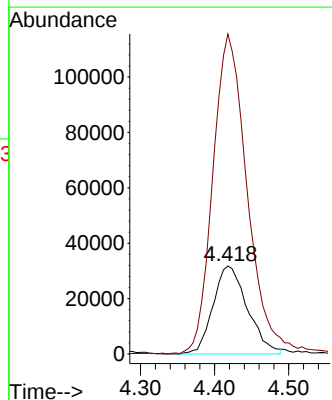
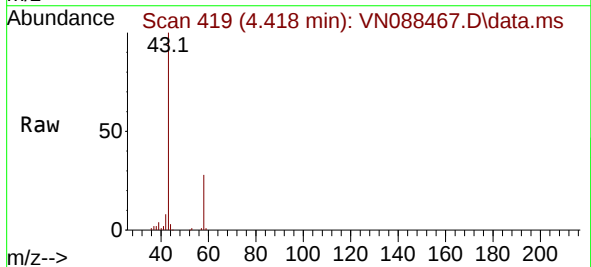
Instrument :
MSVOA_N
ClientSampleId :
001 Willets Pt Blvd (Dec)

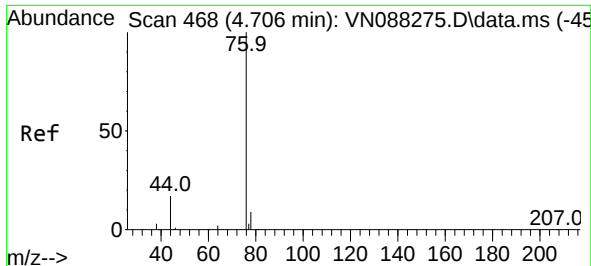
Tgt Ion: 56 Resp: 180
Ion Ratio Lower Upper
56 100
55 79.4 57.9 86.9



#15
Acetone
Concen: 219.978 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.000 min
Lab File: VN088467.D
Acq: 05 Dec 2025 10:59

Tgt Ion: 58 Resp: 102370
Ion Ratio Lower Upper
58 100
43 362.7 273.9 410.9

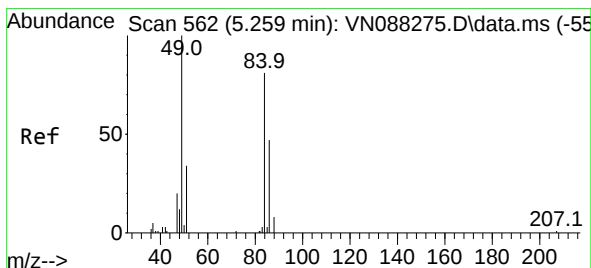
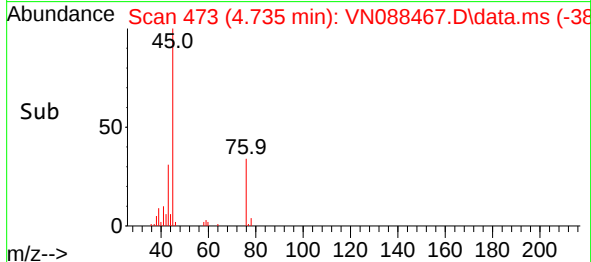
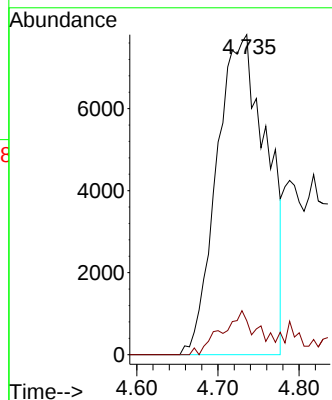
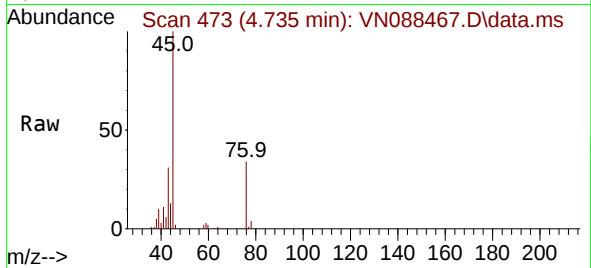




#16
Carbon Disulfide
Concen: 4.557 ug/l
RT: 4.735 min Scan# 41
Delta R.T. 0.029 min
Lab File: VN088467.D
Acq: 05 Dec 2025 10:59

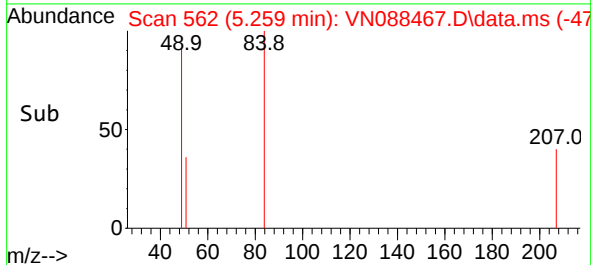
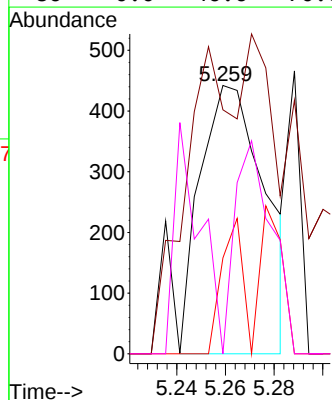
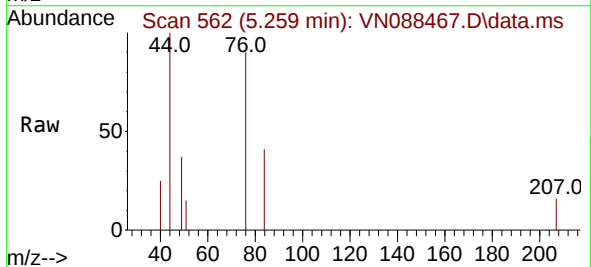
Instrument :
MSVOA_N
ClientSampleId :
001 Willets Pt Blvd (Dec)

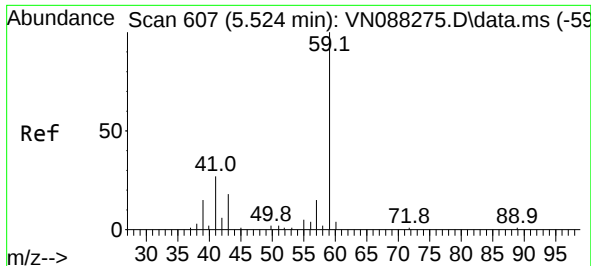
Tgt Ion: 76 Resp: 33362
Ion Ratio Lower Upper
76 100
78 10.6 7.5 11.3



#18
Methylene Chloride
Concen: 0.302 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.000 min
Lab File: VN088467.D
Acq: 05 Dec 2025 10:59

Tgt Ion: 84 Resp: 816
Ion Ratio Lower Upper
84 100
49 49.1 98.7 148.1#
51 35.7 33.7 50.5
86 0.0 46.6 70.0#

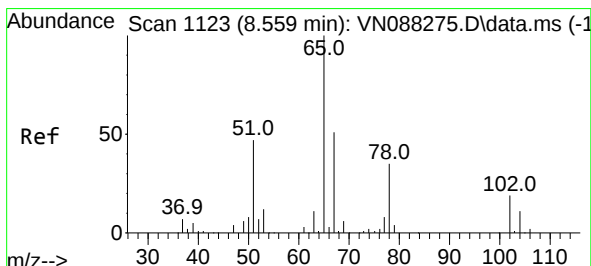
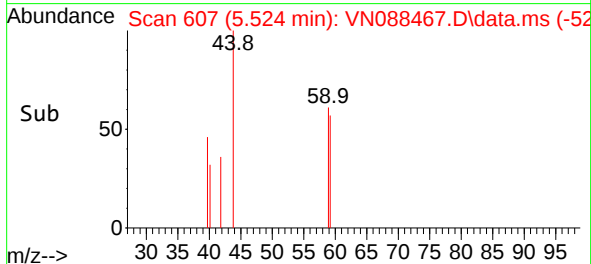
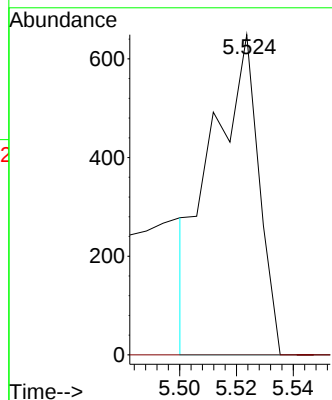
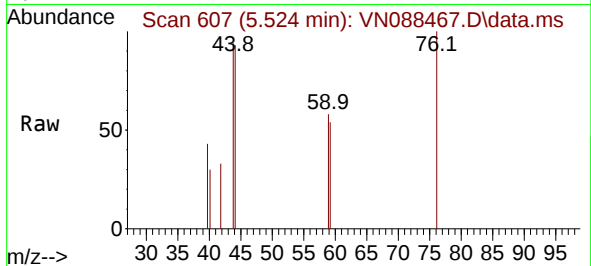




#23
tert-Butyl Alcohol
Concen: 1.275 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.000 min
Lab File: VN088467.D
Acq: 05 Dec 2025 10:59

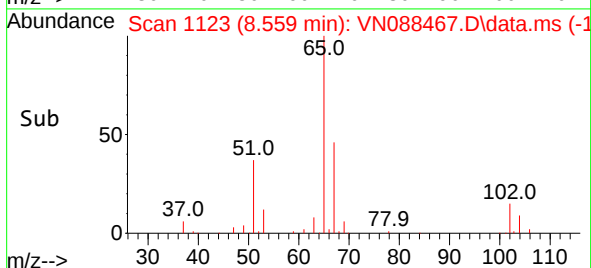
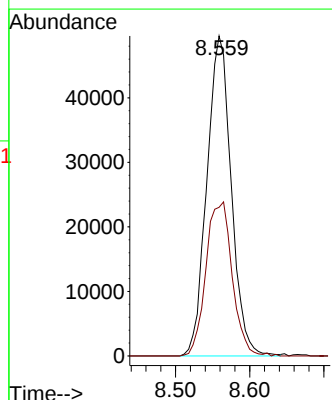
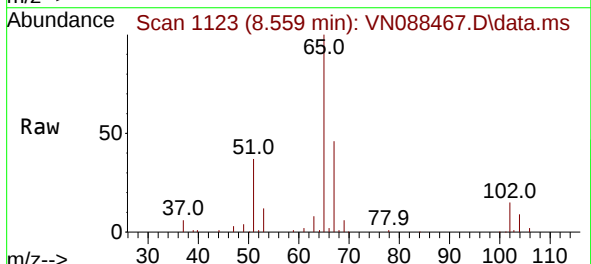
Instrument :
MSVOA_N
ClientSampleId :
001 Willets Pt Blvd (Dec)

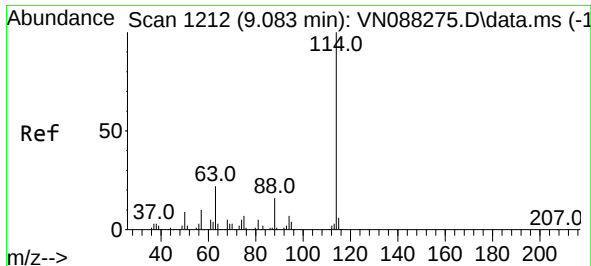
Tgt Ion: 59 Resp: 746
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 31.439 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088467.D
Acq: 05 Dec 2025 10:59

Tgt Ion: 65 Resp: 113370
Ion Ratio Lower Upper
65 100
67 51.6 40.2 60.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.076 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN088467.D

Acq: 05 Dec 2025 10:59

Instrument :

MSVOA_N

ClientSampleId :

001 Willets Pt Blvd (Dec)

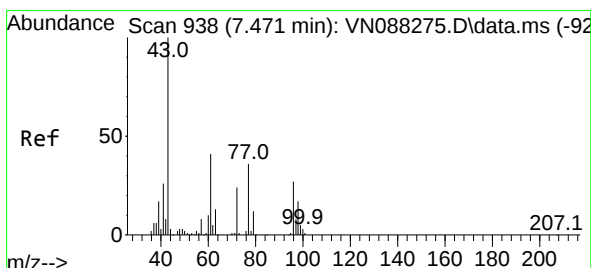
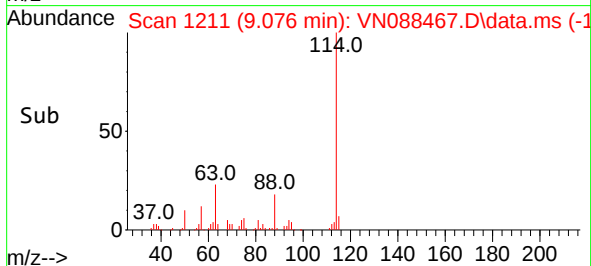
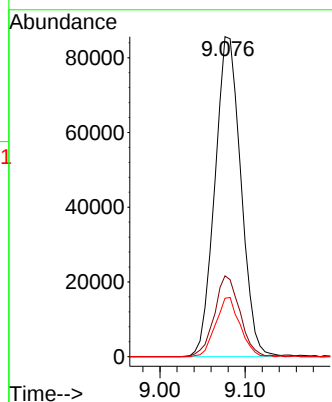
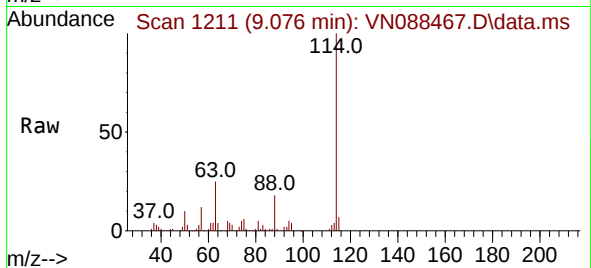
Tgt Ion:114 Resp: 181676

Ion Ratio Lower Upper

114 100

63 24.8 18.9 28.3

88 17.2 12.8 19.2



#30

2-Butanone

Concen: 49.450 ug/l

RT: 7.471 min Scan# 938

Delta R.T. -0.000 min

Lab File: VN088467.D

Acq: 05 Dec 2025 10:59

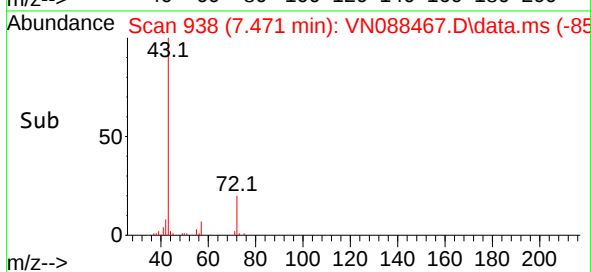
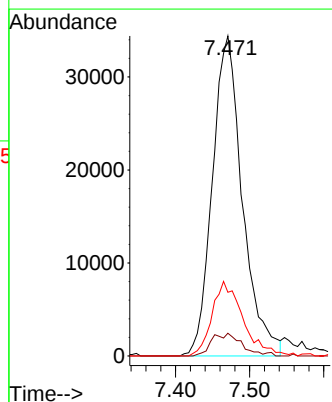
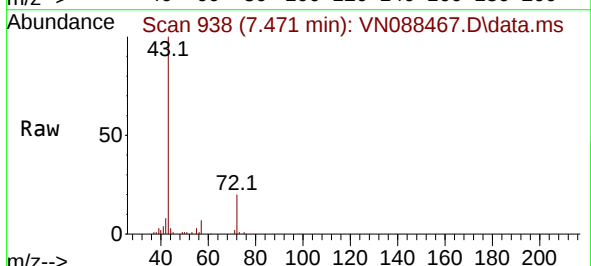
Tgt Ion: 43 Resp: 96965

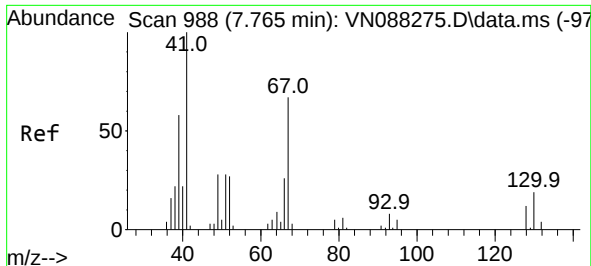
Ion Ratio Lower Upper

43 100

57 3.7 6.2 9.4#

72 23.1 19.4 29.2

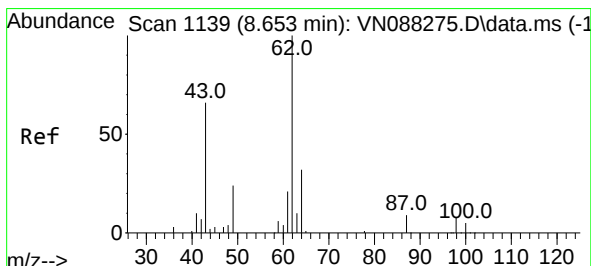
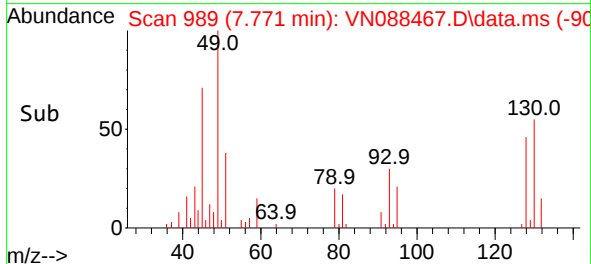
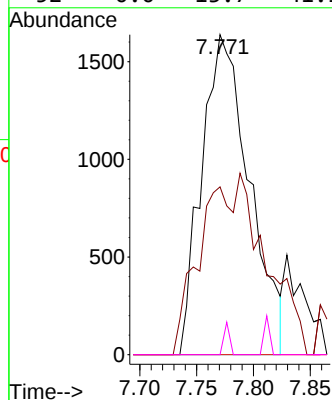
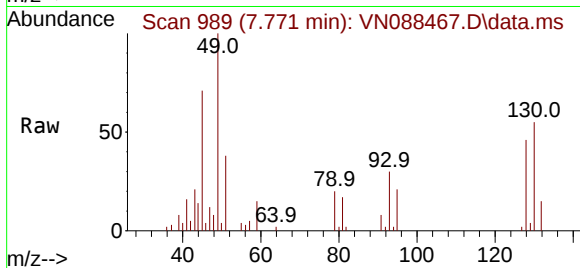




#35
Methacrylonitrile
Concen: 2.338 ug/l
RT: 7.771 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN088467.D
Acq: 05 Dec 2025 10:59

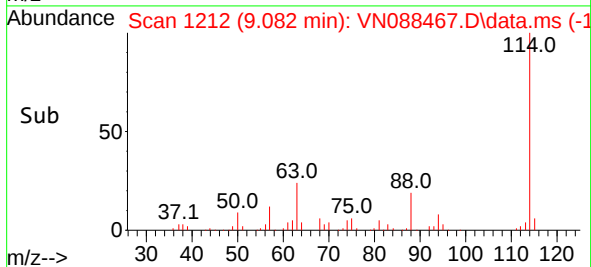
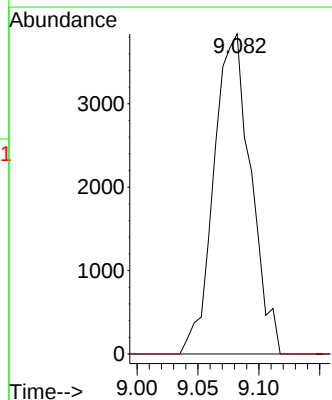
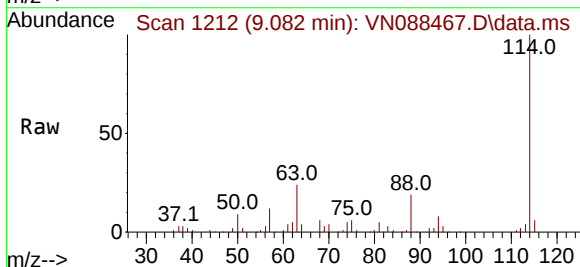
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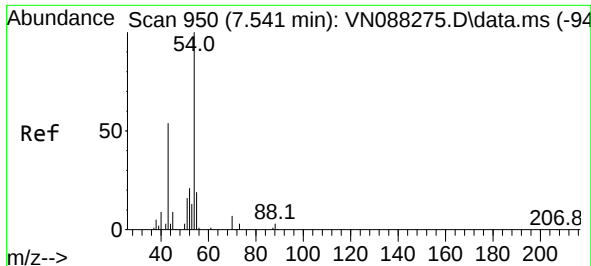
Tgt Ion:	41	Resp:	4782
Ion	Ratio	Lower	Upper
41	100		
39	41.3	29.0	87.0
67	0.0	33.3	99.9#
52	0.0	13.7	41.1#



#36
1,2-Dichloroethane
Concen: 2.302 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. 0.429 min
Lab File: VN088467.D
Acq: 05 Dec 2025 10:59

Tgt Ion:	62	Resp:	8119
Ion	Ratio	Lower	Upper
62	100		
98	0.0	6.8	10.2#

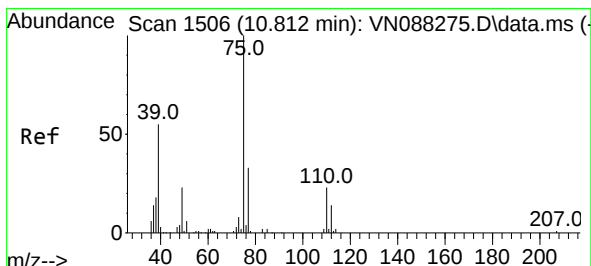
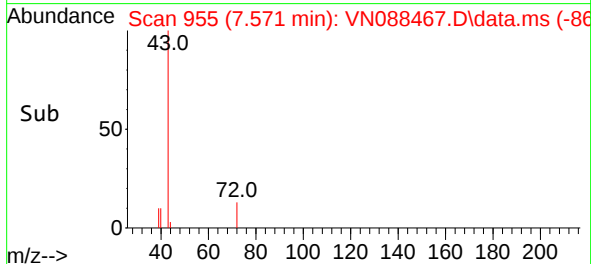
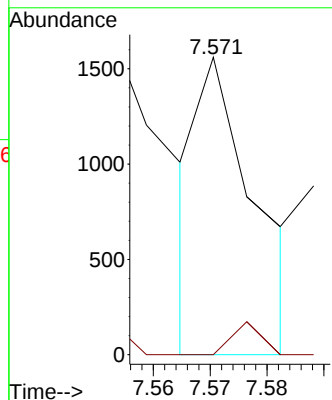
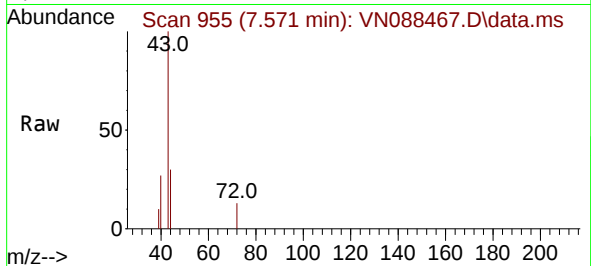




#43
Ethyl Acetate
Concen: 0.274 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.029 min
Lab File: VN088467.D
Acq: 05 Dec 2025 10:59

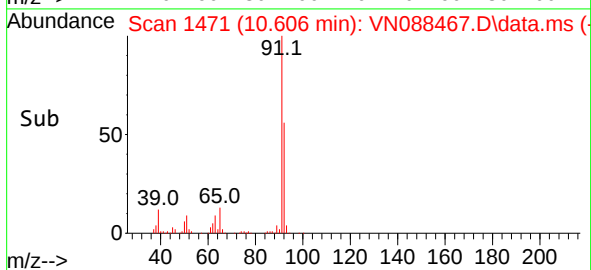
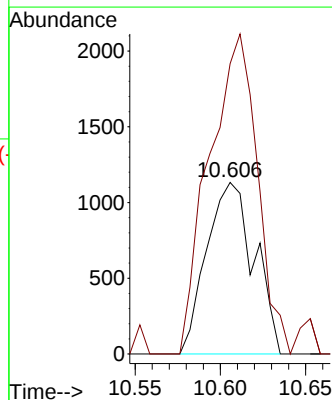
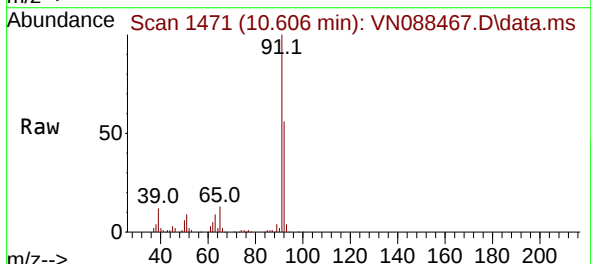
Instrument :
MSVOA_N
ClientSampleId :
001 Willets Pt Blvd (Dec)

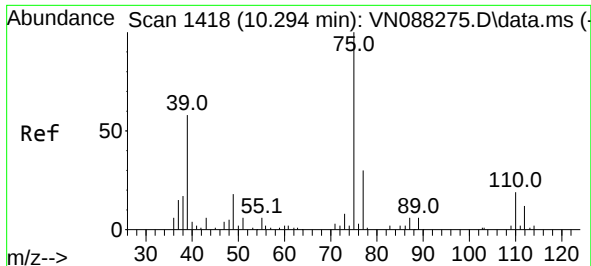
Tgt Ion: 43 Resp: 1081
Ion Ratio Lower Upper
43 100
45 0.0 9.9 14.9#



#48
t-1,3-Dichloropropene
Concen: 0.609 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.206 min
Lab File: VN088467.D
Acq: 05 Dec 2025 10:59

Tgt Ion: 75 Resp: 2202
Ion Ratio Lower Upper
75 100
77 169.2 26.1 39.1#





#49

cis-1,3-Dichloropropene

Concen: 0.585 ug/l

RT: 10.606 min Scan# 1418

Delta R.T. 0.311 min

Lab File: VN088467.D

Acq: 05 Dec 2025 10:59

Instrument :

MSVOA_N

ClientSampleId :

001 Willets Pt Blvd (Dec)

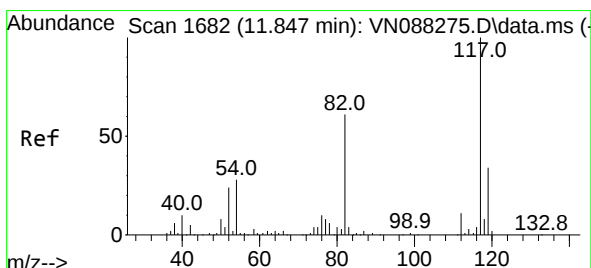
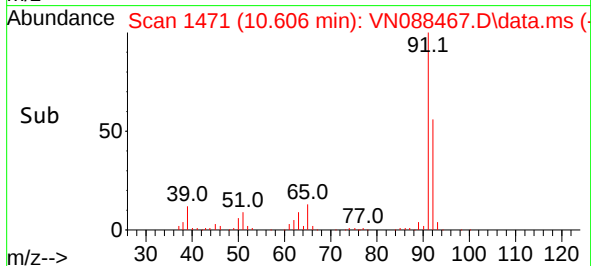
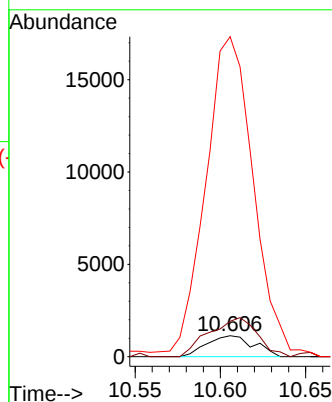
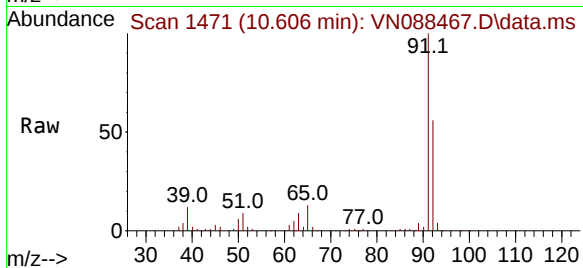
Tgt Ion: 75 Resp: 2202

Ion Ratio Lower Upper

75 100

77 169.2 24.4 36.6#

39 1436.5 46.1 69.1#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.841 min Scan# 1681

Delta R.T. -0.006 min

Lab File: VN088467.D

Acq: 05 Dec 2025 10:59

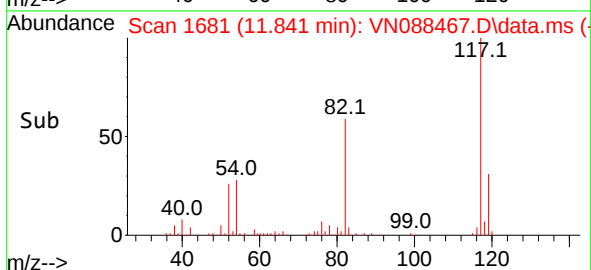
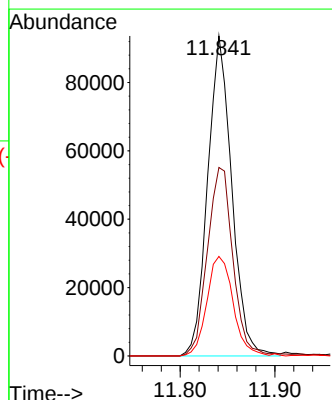
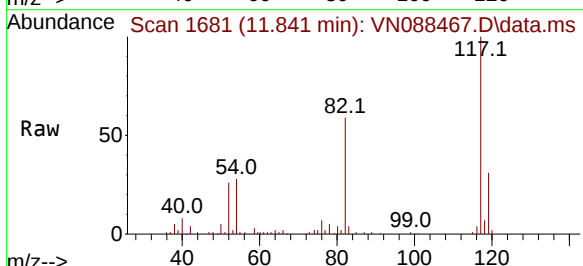
Tgt Ion: 117 Resp: 165639

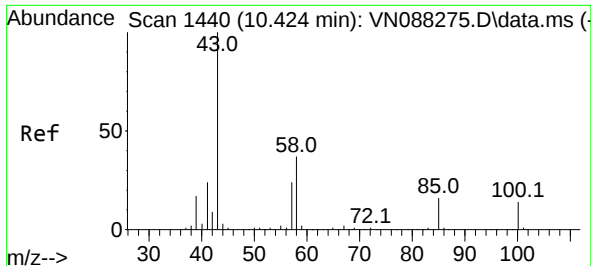
Ion Ratio Lower Upper

117 100

82 62.7 49.3 73.9

119 33.8 26.4 39.6

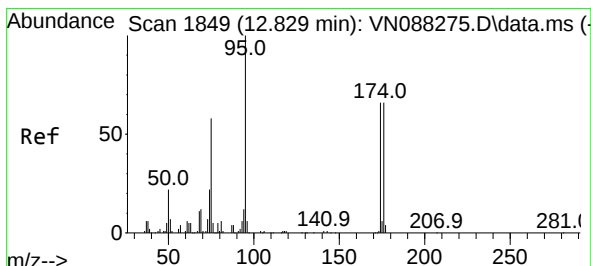
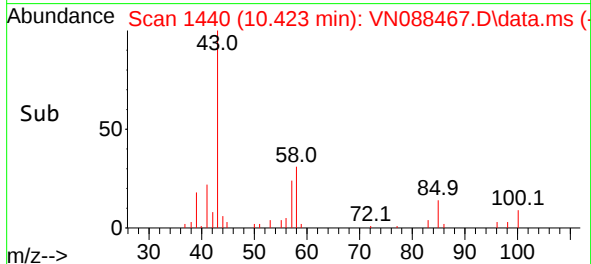
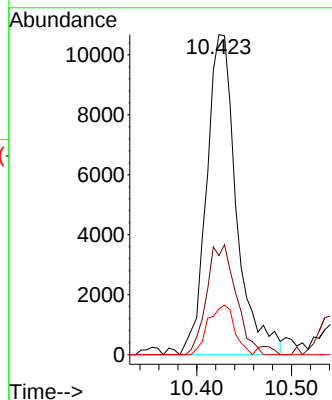
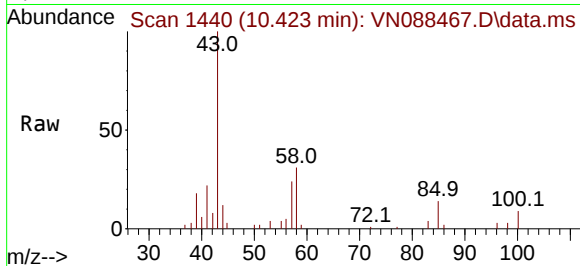




#58
4-Methyl-2-Pentanone
Concen: 6.238 ug/l
RT: 10.423 min Scan# 1440
Delta R.T. -0.000 min
Lab File: VN088467.D
Acq: 05 Dec 2025 10:59

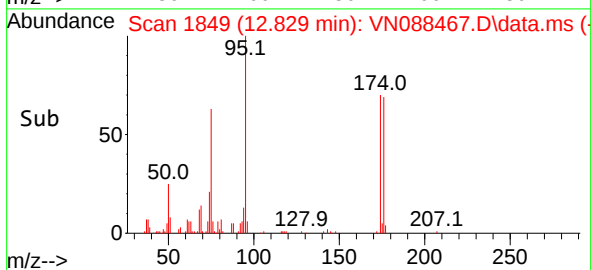
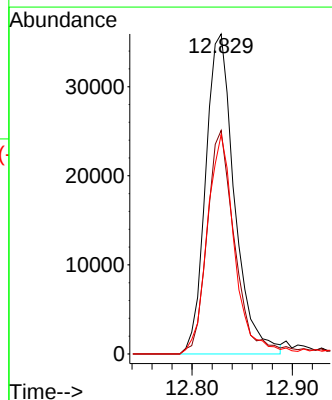
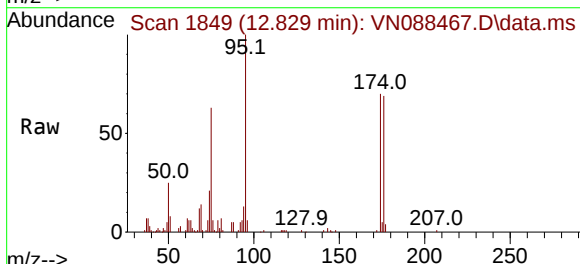
Instrument :
MSVOA_N
ClientSampleId :
001 Willets Pt Blvd (Dec)

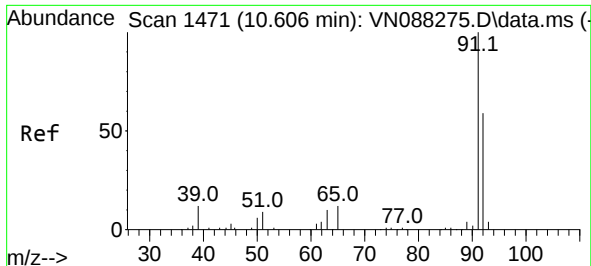
Tgt Ion:	43	Resp:	23369
Ion	Ratio	Lower	Upper
43	100		
58	33.6	29.2	43.8
85	13.7	12.6	19.0



#60
4-Bromofluorobenzene
Concen: 25.670 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN088467.D
Acq: 05 Dec 2025 10:59

Tgt Ion:	95	Resp:	71876
Ion	Ratio	Lower	Upper
95	100		
174	67.2	54.5	81.7
176	65.2	53.8	80.6

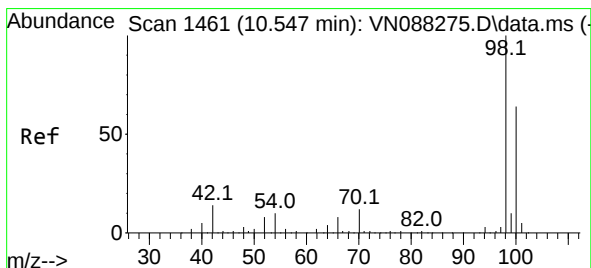
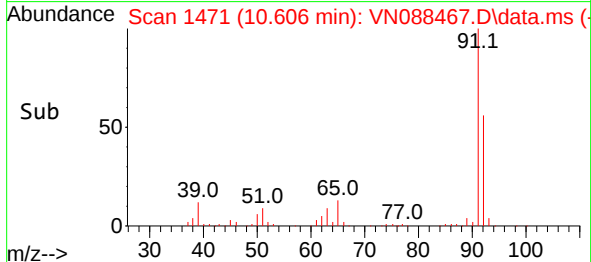
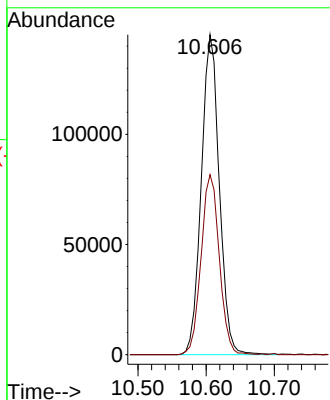
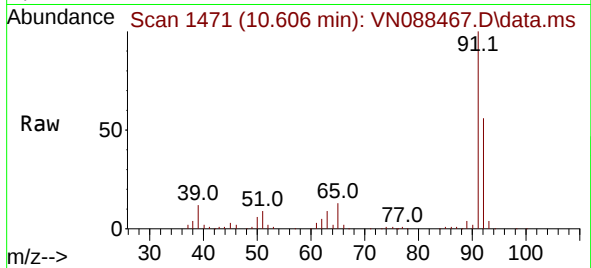




#62
Toluene
Concen: 28.081 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VN088467.D
Acq: 05 Dec 2025 10:59

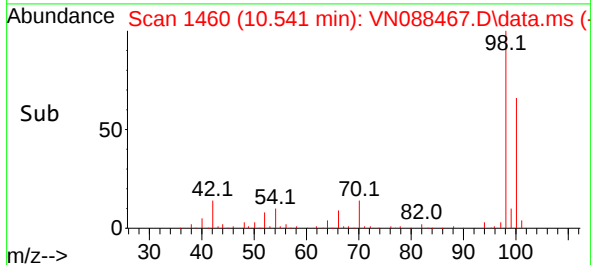
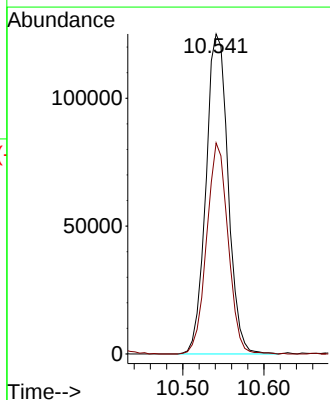
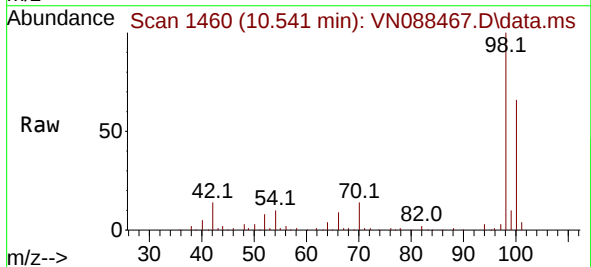
Instrument :
MSVOA_N
ClientSampleId :
001 Willets Pt Blvd (Dec)

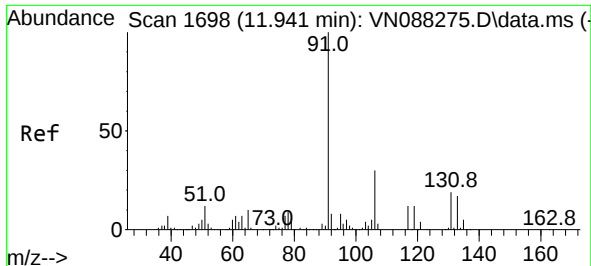
Tgt Ion: 91 Resp: 266923
Ion Ratio Lower Upper
91 100
92 56.6 46.7 70.1



#63
Toluene-d8
Concen: 30.173 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088467.D
Acq: 05 Dec 2025 10:59

Tgt Ion: 98 Resp: 236619
Ion Ratio Lower Upper
98 100
100 63.9 51.6 77.4

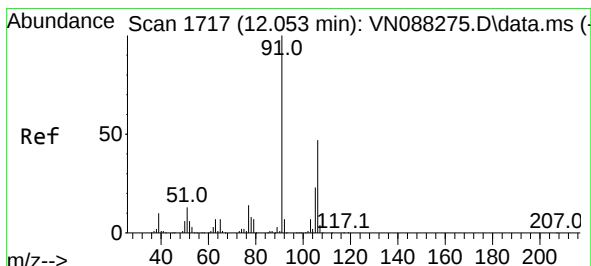
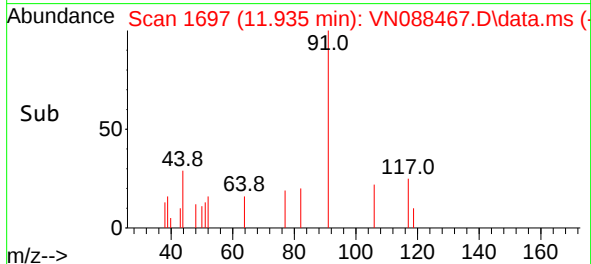
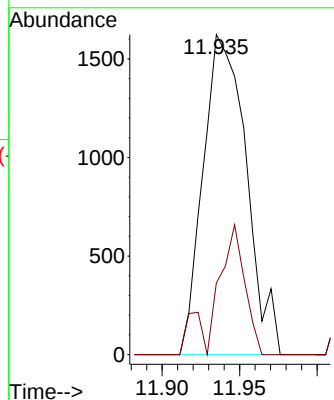
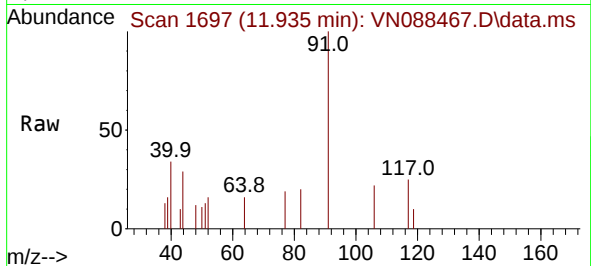




#66
Ethyl Benzene
Concen: 0.300 ug/l
RT: 11.935 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VN088467.D
Acq: 05 Dec 2025 10:59

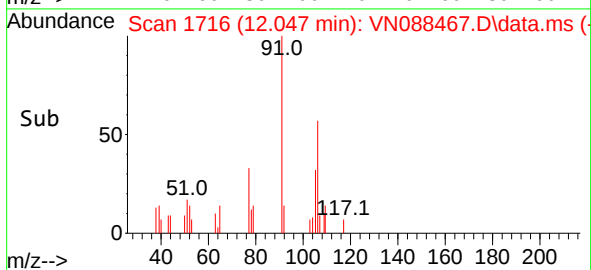
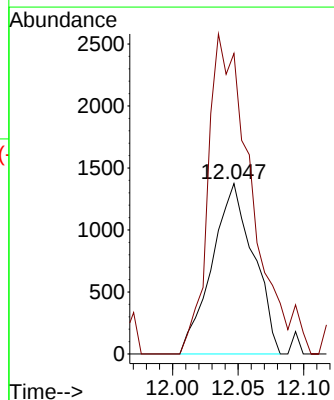
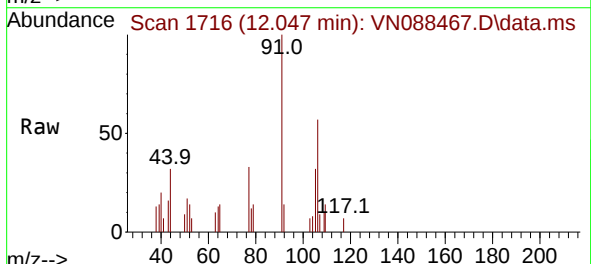
Instrument :
MSVOA_N
ClientSampleId :
001 Willets Pt Blvd (Dec)

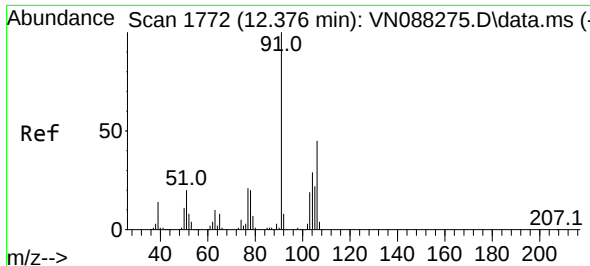
Tgt Ion: 91 Resp: 3141
Ion Ratio Lower Upper
91 100
106 22.4 24.4 36.6#



#67
m/p-Xylenes
Concen: 0.775 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.006 min
Lab File: VN088467.D
Acq: 05 Dec 2025 10:59

Tgt Ion:106 Resp: 3035
Ion Ratio Lower Upper
106 100
91 189.7 168.3 252.5

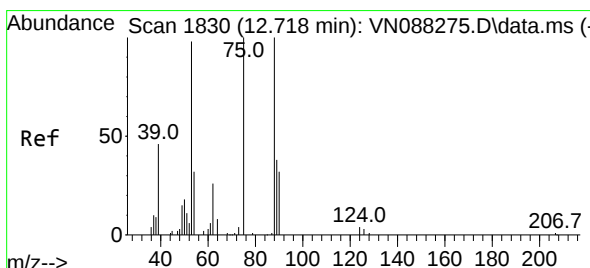
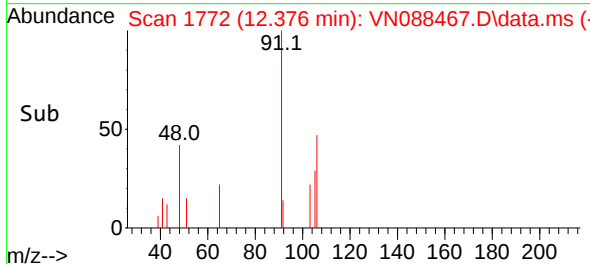
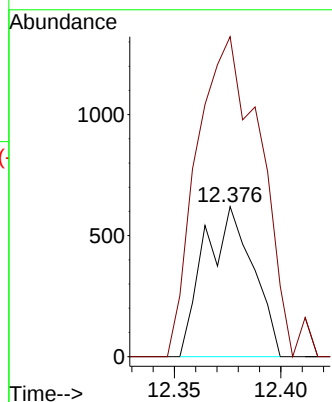
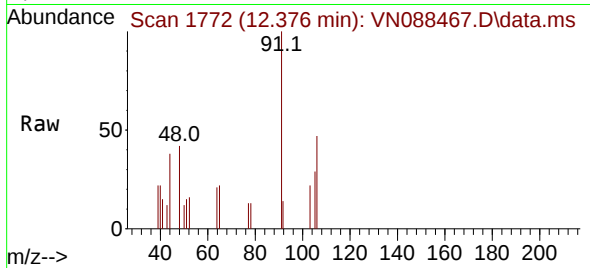




#68
o-Xylene
Concen: 0.267 ug/l
RT: 12.376 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088467.D
Acq: 05 Dec 2025 10:59

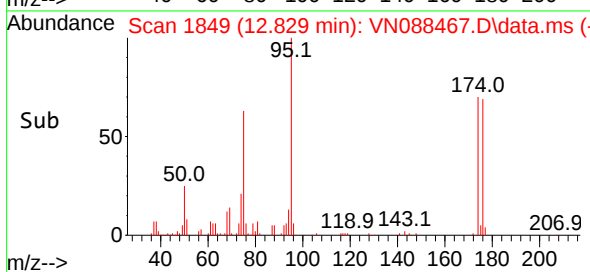
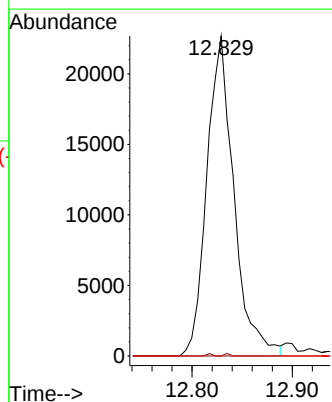
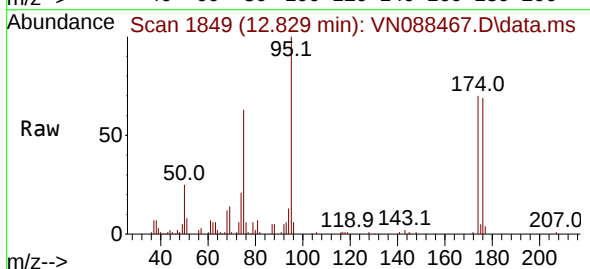
Instrument :
MSVOA_N
ClientSampleId :
001 Willets Pt Blvd (Dec)

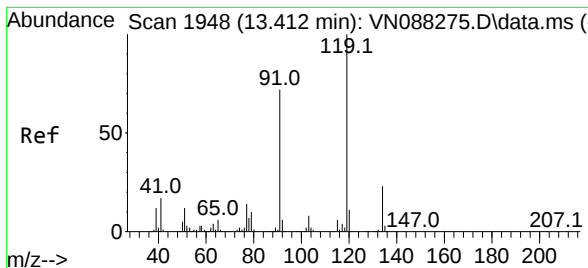
Tgt Ion:106 Resp: 987
Ion Ratio Lower Upper
106 100
91 274.1 114.0 342.0



#77
t-1,4-Dichloro-2-butene
Concen: 40.348 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.111 min
Lab File: VN088467.D
Acq: 05 Dec 2025 10:59

Tgt Ion: 75 Resp: 42587
Ion Ratio Lower Upper
75 100
53 0.0 50.0 150.0#
89 0.0 22.3 66.9#

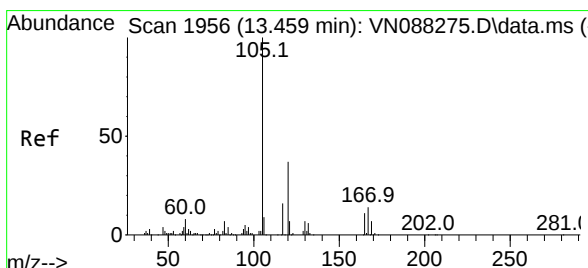
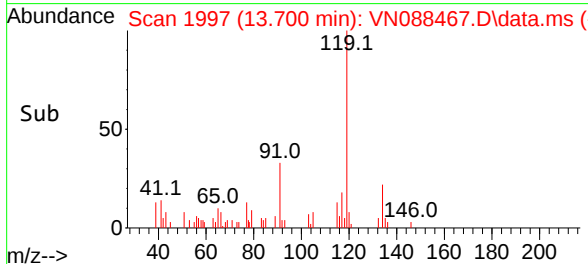
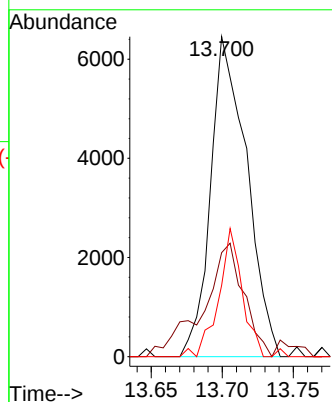
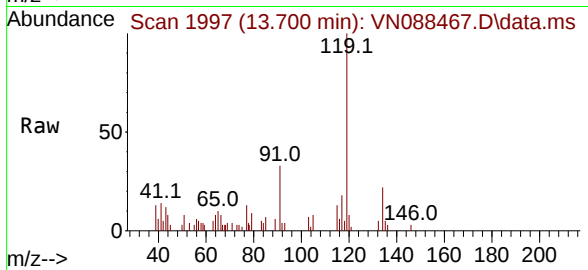




#79
tert-butylbenzene
Concen: 1.622 ug/l
RT: 13.700 min Scan# 1948
Delta R.T. 0.288 min
Lab File: VN088467.D
Acq: 05 Dec 2025 10:59

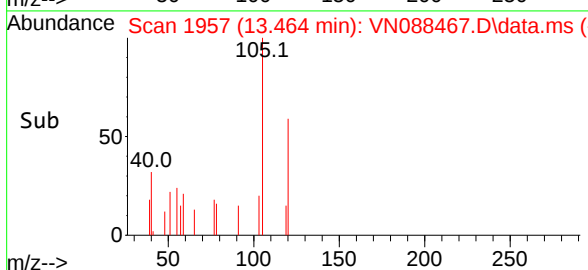
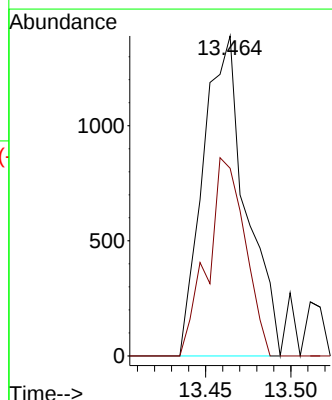
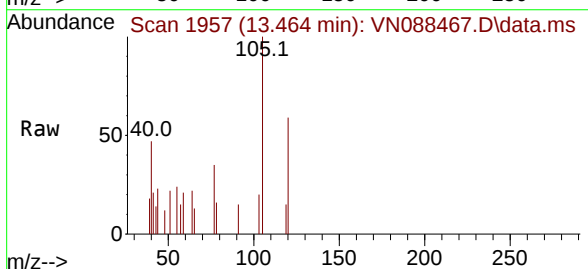
Instrument :
MSVOA_N
ClientSampleId :
001 Willets Pt Blvd (Dec)

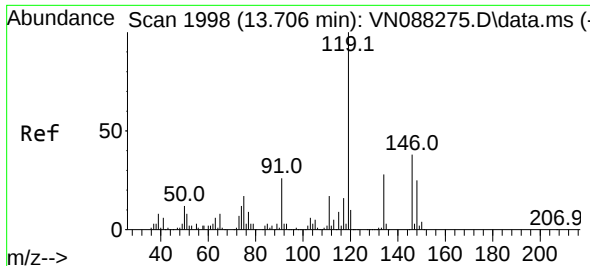
Tgt Ion:	119	Resp:	11419
Ion	Ratio	Lower	Upper
119	100		
91	31.3	0.0	140.8
134	25.5	0.0	48.4



#80
1,2,4-Trimethylbenzene
Concen: 0.297 ug/l
RT: 13.464 min Scan# 1957
Delta R.T. 0.006 min
Lab File: VN088467.D
Acq: 05 Dec 2025 10:59

Tgt Ion:	105	Resp:	2426
Ion	Ratio	Lower	Upper
105	100		
120	54.2	0.0	89.2

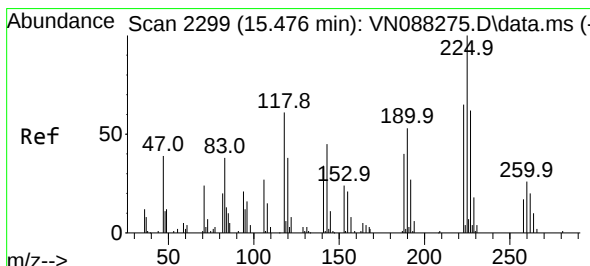
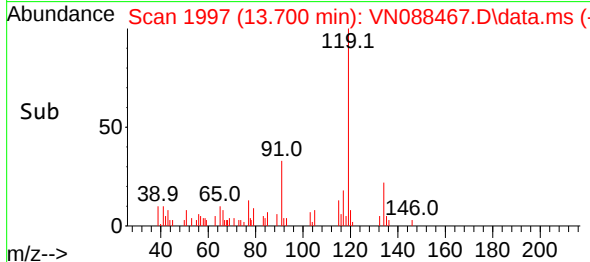
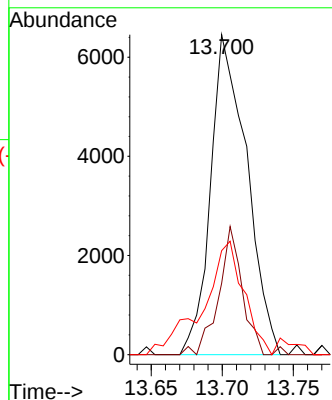
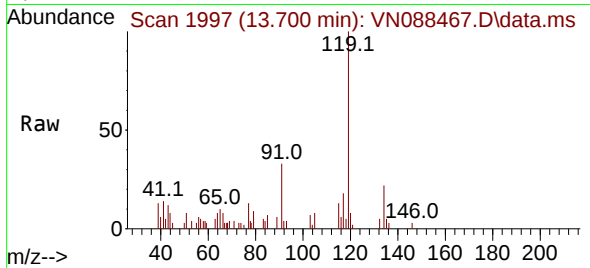




#82
p-Isopropyltoluene
Concen: 1.346 ug/l
RT: 13.700 min Scan# 1998
Delta R.T. -0.006 min
Lab File: VN088467.D
Acq: 05 Dec 2025 10:59

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

Tgt Ion:	119	Resp:	11419
Ion	Ratio	Lower	Upper
119	100		
134	25.5	0.0	51.2
91	31.3	0.0	53.4



#90
Hexachlorobutadiene
Concen: 0.566 ug/l
RT: 15.464 min Scan# 2297
Delta R.T. -0.012 min
Lab File: VN088467.D
Acq: 05 Dec 2025 10:59

Tgt Ion:	225	Resp:	500
Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	132.0
227	15.8	0.0	132.6

