

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081825\
 Data File : VN087599.D
 Acq On : 18 Aug 2025 11:36
 Operator : JC\MD
 Sample : Q2845-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 001 willets Pt Blvd(july)

Quant Time: Aug 18 15:12:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 06 02:01:21 2025
 Response via : Initial Calibration

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

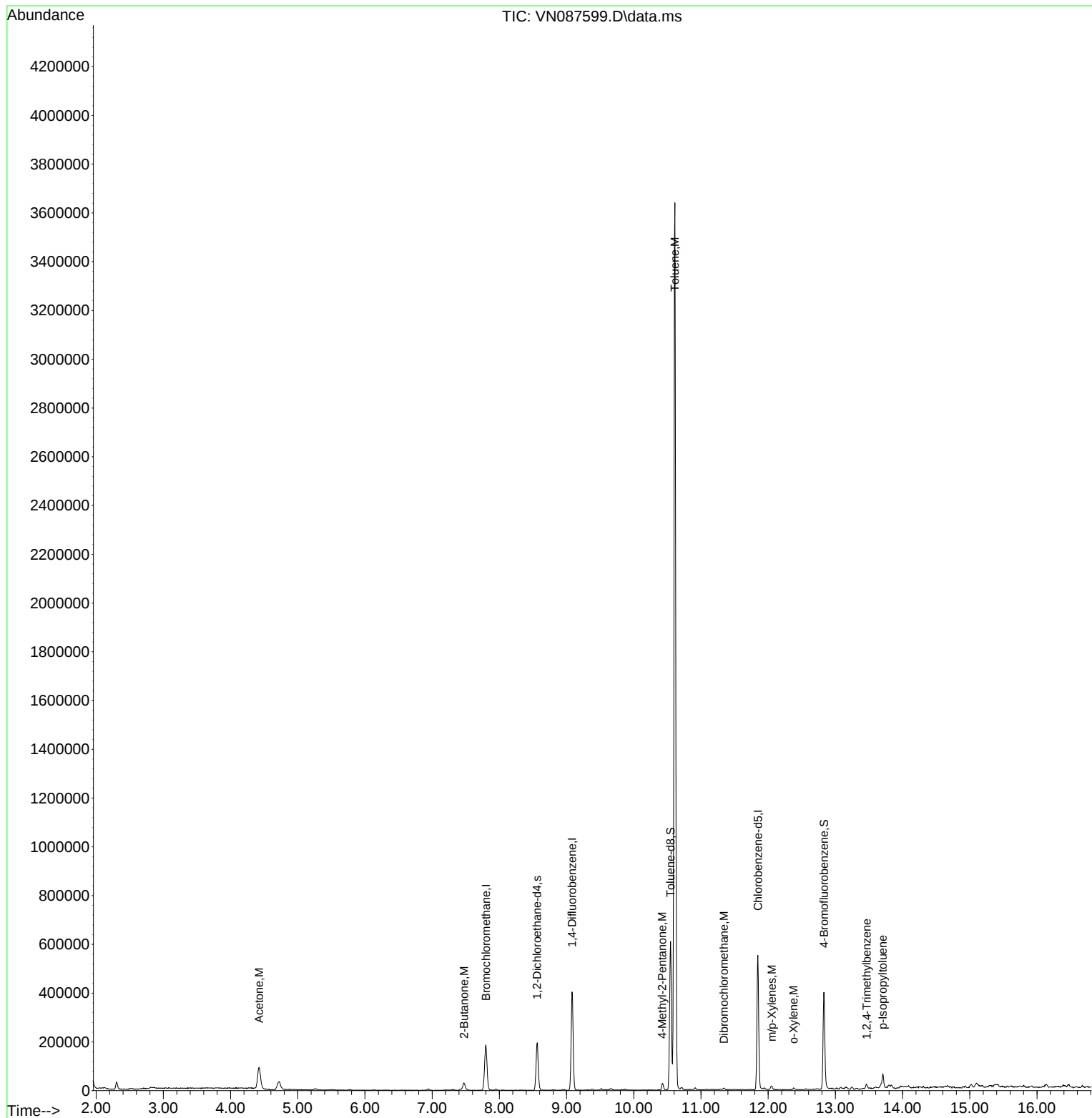
Internal Standards						
1) Bromochloromethane	7.800	128	59234	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	334882	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	296304	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	162459	29.736	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	99.133%	
60) 4-Bromofluorobenzene	12.829	95	141026	27.656	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	92.200%	
63) Toluene-d8	10.547	98	407272	29.873	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	99.567%	
Target Compounds						
15) Acetone	4.424	58	50426	67.510	ug/l	91
30) 2-Butanone	7.477	43	48748	12.108	ug/l #	84
53) Dibromochloromethane	11.341	129	3186	0.658	ug/l #	53
58) 4-Methyl-2-Pentanone	10.424	43	20204	2.651	ug/l #	82
62) Toluene	10.612	91	2676353	146.345	ug/l	100
67) m/p-Xylenes	12.053	106	3975	0.531	ug/l	95
68) o-Xylene	12.376	106	1650	0.224	ug/l	100
80) 1,2,4-Trimethylbenzene	13.465	105	10725	0.670	ug/l	96
82) p-Isopropyltoluene	13.706	119	29596	1.814	ug/l	98

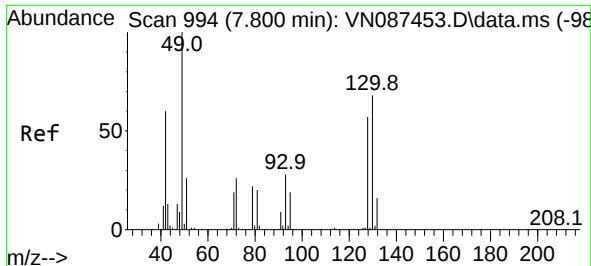
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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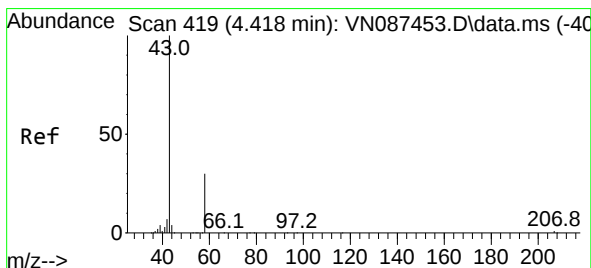
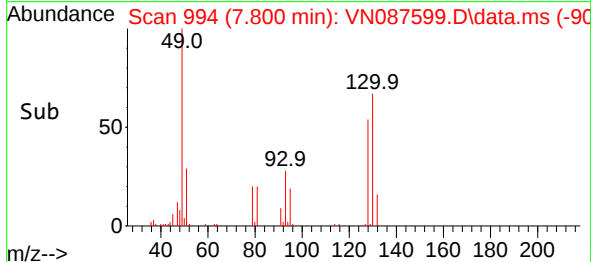
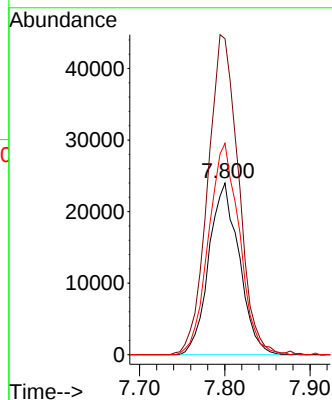
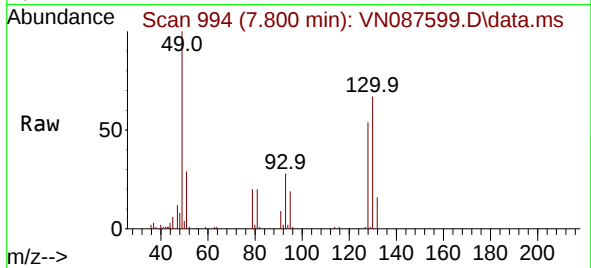




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 994
Delta R.T. 0.000 min
Lab File: VN087599.D
Acq: 18 Aug 2025 11:36

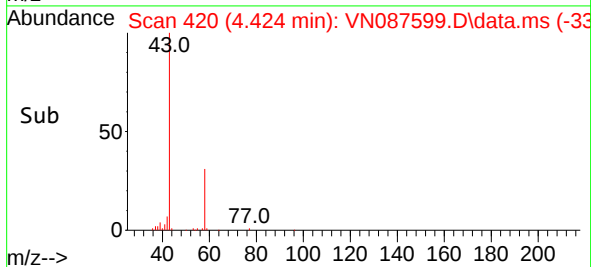
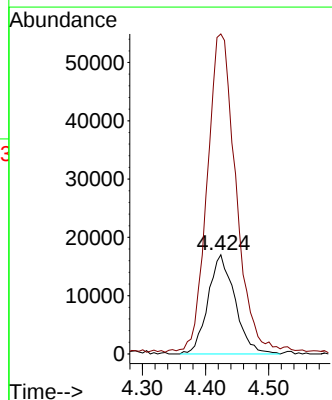
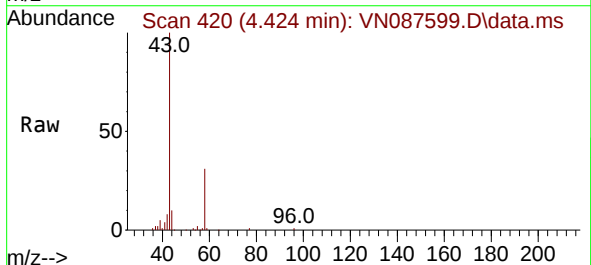
Instrument :
MSVOA_N
ClientSampleId :
001 willets Pt Blvd(july)

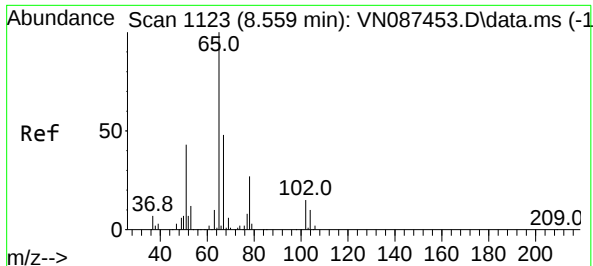
Tgt Ion:128 Resp: 59234
Ion Ratio Lower Upper
128 100
49 189.0 0.0 494.8
130 126.0 0.0 321.5



#15
Acetone
Concen: 67.510 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN087599.D
Acq: 18 Aug 2025 11:36

Tgt Ion: 58 Resp: 50426
Ion Ratio Lower Upper
58 100
43 317.7 268.9 403.3





#27

1,2-Dichloroethane-d4

Concen: 29.736 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN087599.D

Acq: 18 Aug 2025 11:36

Instrument :

MSVOA_N

ClientSampleId :

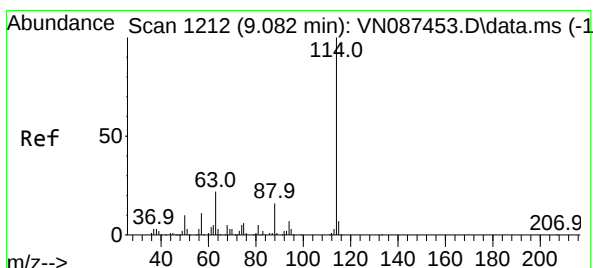
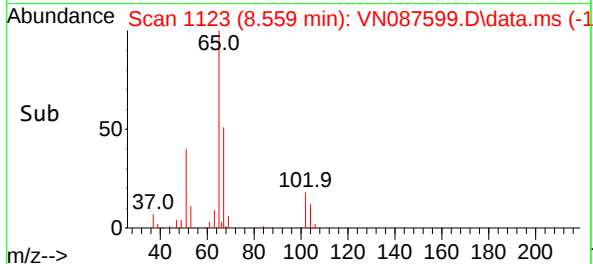
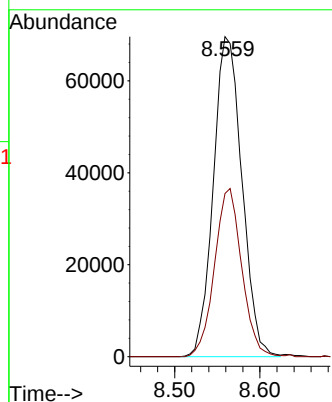
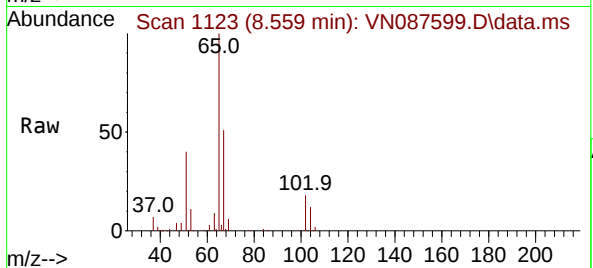
001 willets Pt Blvd(july)

Tgt Ion: 65 Resp: 162459

Ion Ratio Lower Upper

65 100

67 50.0 40.8 61.2



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN087599.D

Acq: 18 Aug 2025 11:36

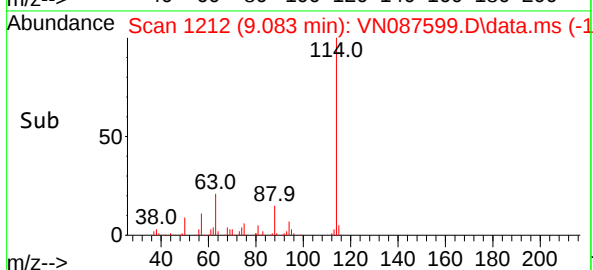
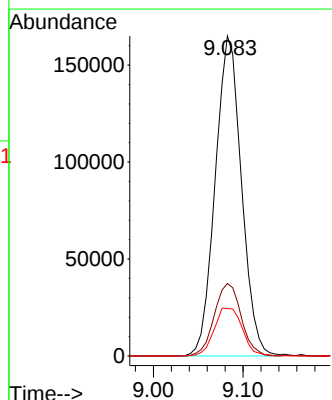
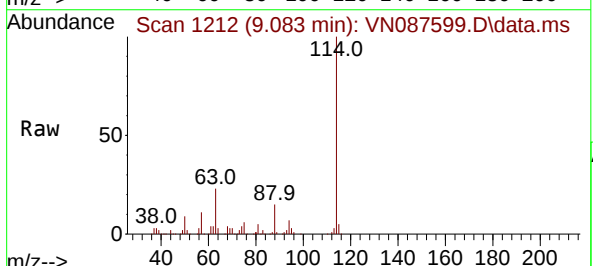
Tgt Ion: 114 Resp: 334882

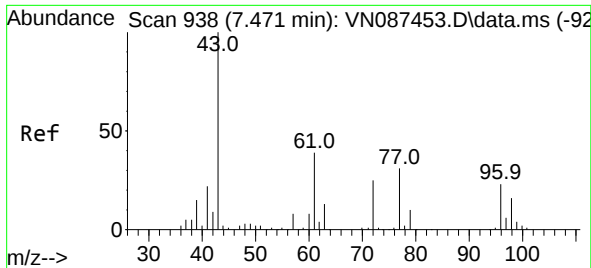
Ion Ratio Lower Upper

114 100

63 23.2 18.9 28.3

88 16.0 13.1 19.7

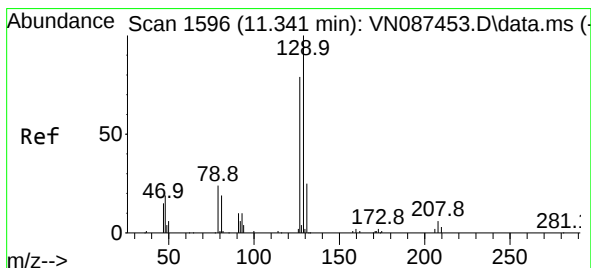
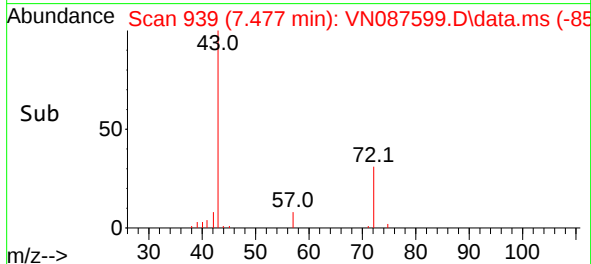
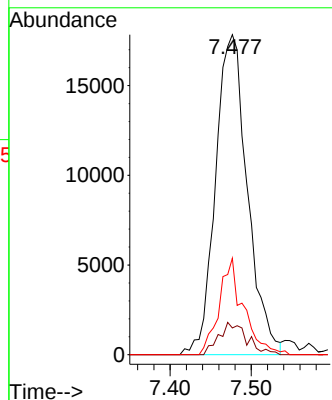
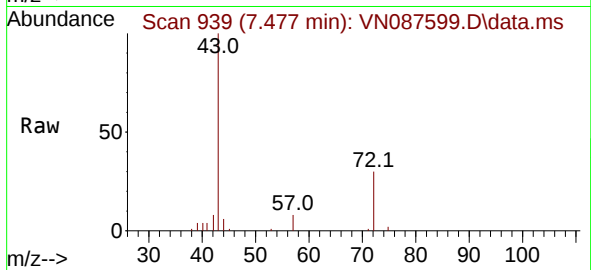




#30
2-Butanone
Concen: 12.108 ug/l
RT: 7.477 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN087599.D
Acq: 18 Aug 2025 11:36

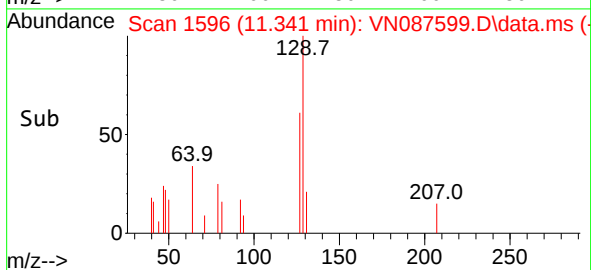
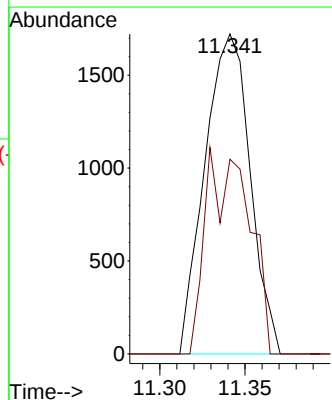
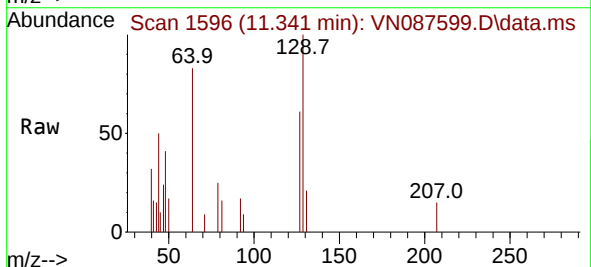
Instrument :
MSVOA_N
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001 willets Pt Blvd(july)

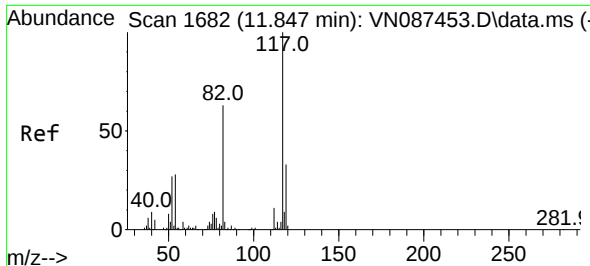
Tgt Ion: 43 Resp: 48748
Ion Ratio Lower Upper
43 100
57 4.7 6.6 9.8#
72 15.9 19.7 29.5#



#53
Dibromochloromethane
Concen: 0.658 ug/l
RT: 11.341 min Scan# 1596
Delta R.T. 0.000 min
Lab File: VN087599.D
Acq: 18 Aug 2025 11:36

Tgt Ion:129 Resp: 3186
Ion Ratio Lower Upper
129 100
127 37.0 39.1 117.3#

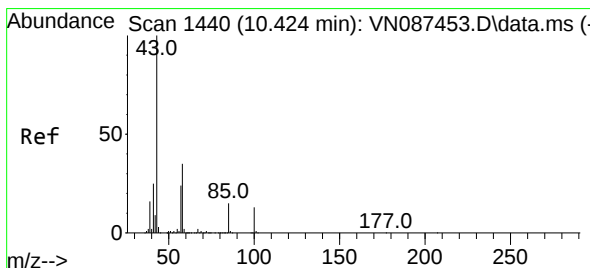
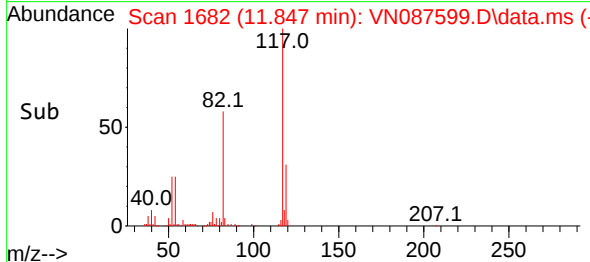
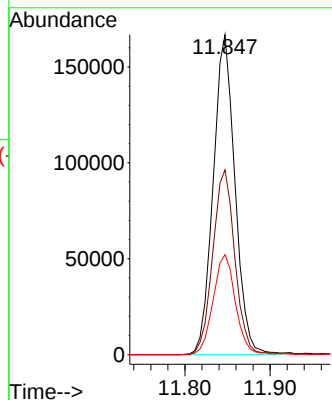
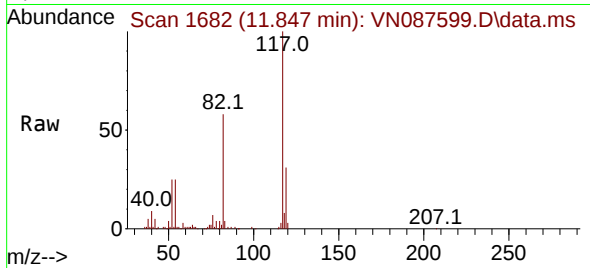




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN087599.D
Acq: 18 Aug 2025 11:36

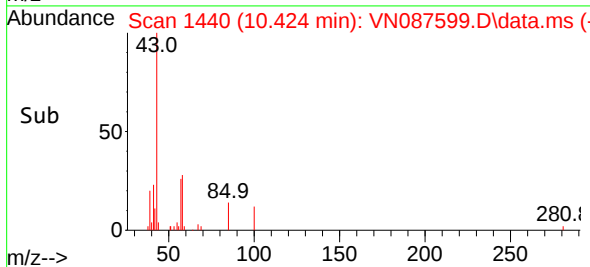
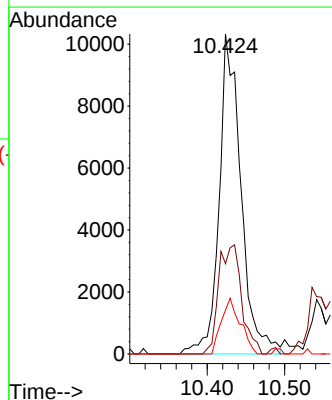
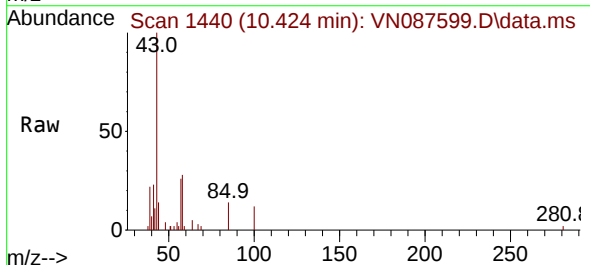
Instrument :
MSVOA_N
ClientSampleId :
001 willets Pt Blvd(july)

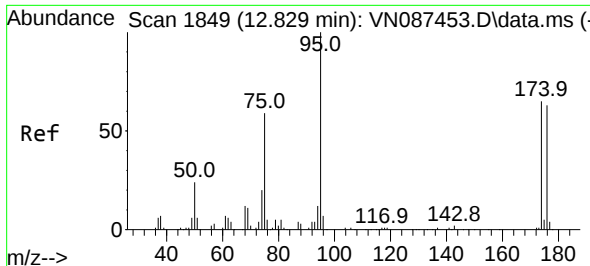
Tgt Ion:	117	Resp:	296304
Ion	Ratio	Lower	Upper
117	100		
82	58.6	49.2	73.8
119	32.0	25.7	38.5



#58
4-Methyl-2-Pentanone
Concen: 2.651 ug/l
RT: 10.424 min Scan# 1440
Delta R.T. 0.000 min
Lab File: VN087599.D
Acq: 18 Aug 2025 11:36

Tgt Ion:	43	Resp:	20204
Ion	Ratio	Lower	Upper
43	100		
58	21.4	29.0	43.6#
85	15.1	12.7	19.1

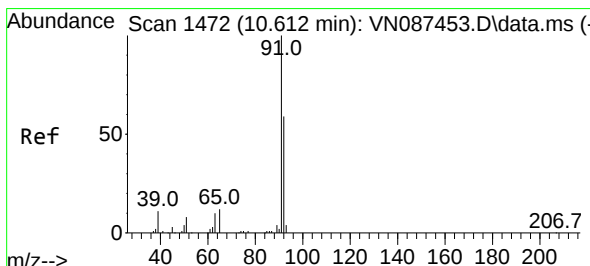
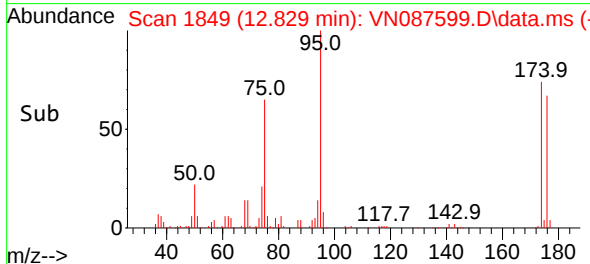
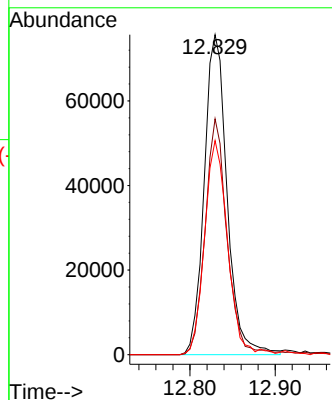
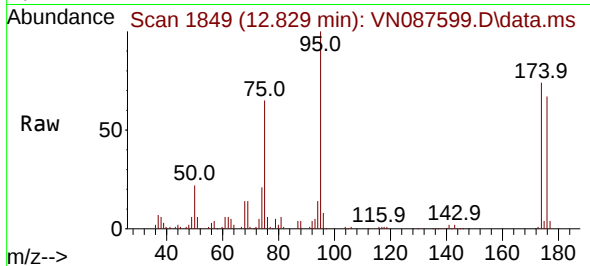




#60
4-Bromofluorobenzene
Concen: 27.656 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087599.D
Acq: 18 Aug 2025 11:36

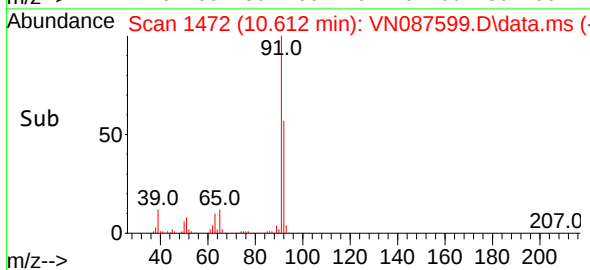
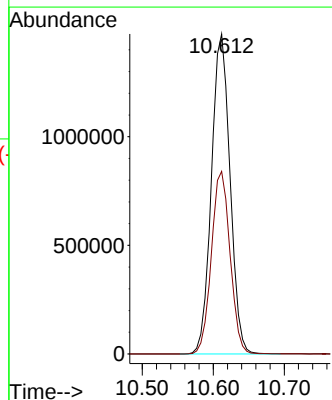
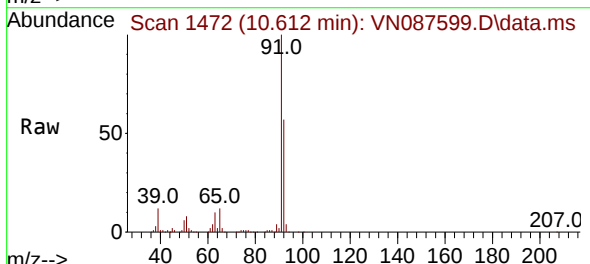
Instrument :
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ClientSampleId :
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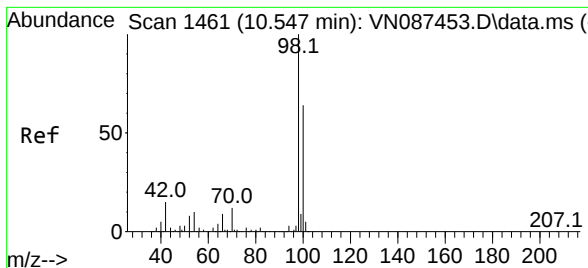
Tgt Ion: 95 Resp: 141026
Ion Ratio Lower Upper
95 100
174 69.6 52.3 78.5
176 66.5 49.8 74.8



#62
Toluene
Concen: 146.345 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VN087599.D
Acq: 18 Aug 2025 11:36

Tgt Ion: 91 Resp: 2676353
Ion Ratio Lower Upper
91 100
92 57.2 45.8 68.6





#63

Toluene-d8

Concen: 29.873 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VN087599.D

Acq: 18 Aug 2025 11:36

Instrument :

MSVOA_N

ClientSampleId :

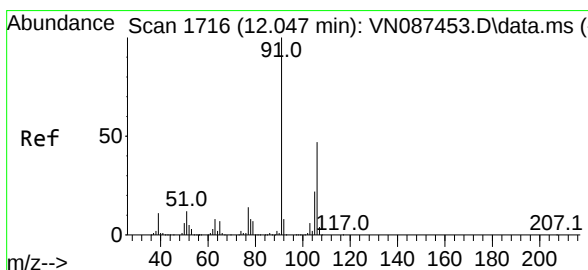
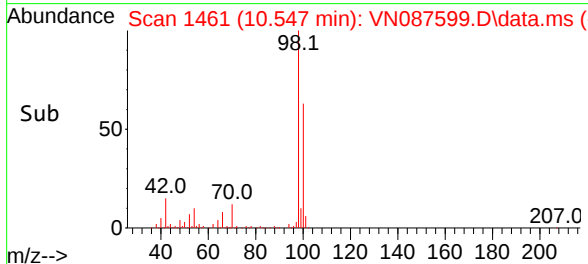
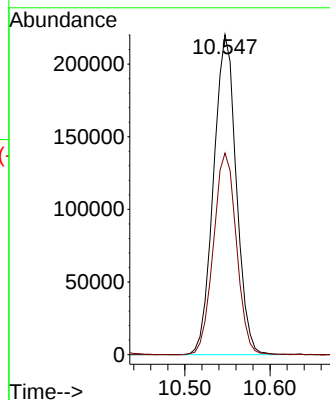
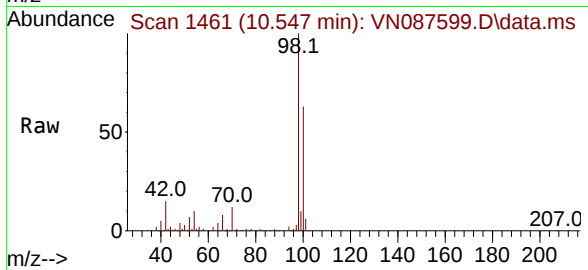
001 willets Pt Blvd(july)

Tgt Ion: 98 Resp: 407272

Ion Ratio Lower Upper

98 100

100 63.8 50.5 75.7



#67

m/p-Xylenes

Concen: 0.531 ug/l

RT: 12.053 min Scan# 1717

Delta R.T. 0.006 min

Lab File: VN087599.D

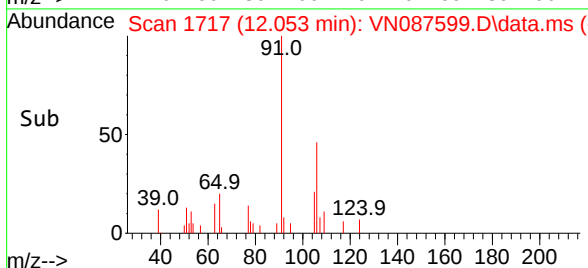
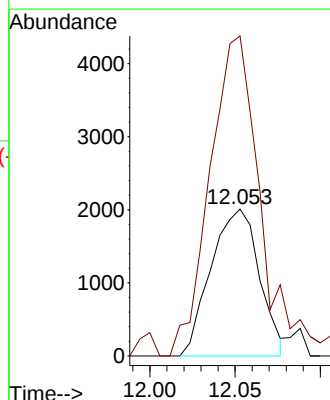
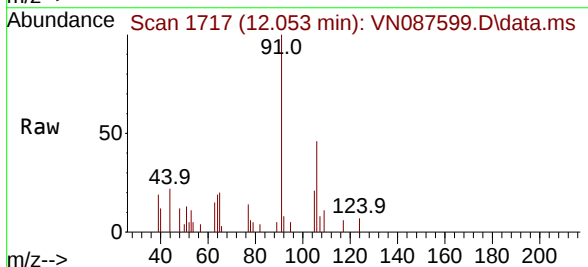
Acq: 18 Aug 2025 11:36

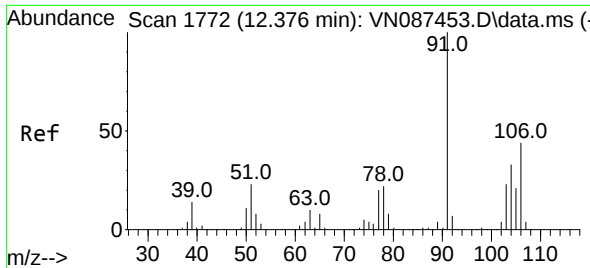
Tgt Ion:106 Resp: 3975

Ion Ratio Lower Upper

106 100

91 226.1 174.2 261.2

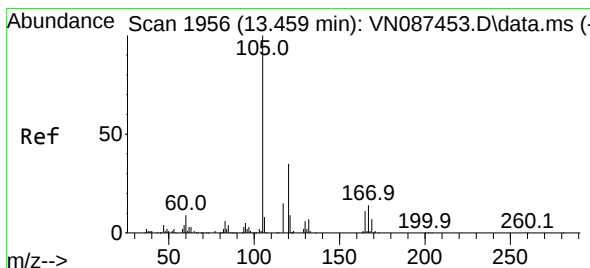
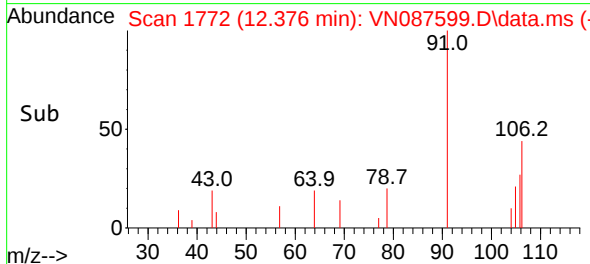
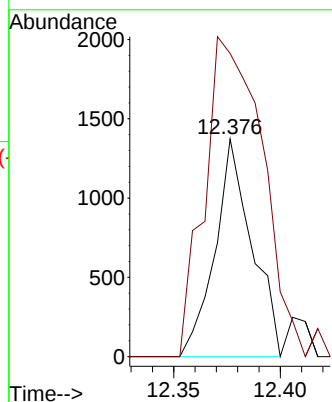
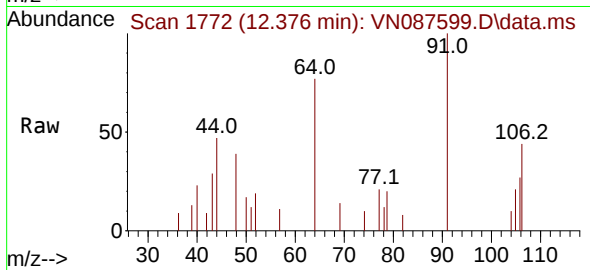




#68
o-Xylene
Concen: 0.224 ug/l
RT: 12.376 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087599.D
Acq: 18 Aug 2025 11:36

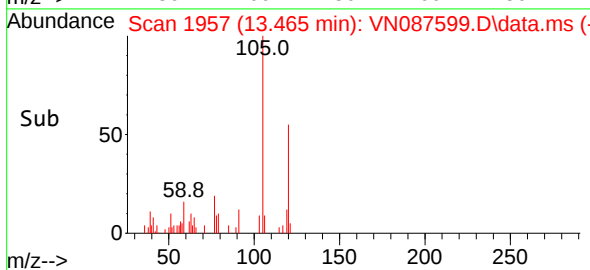
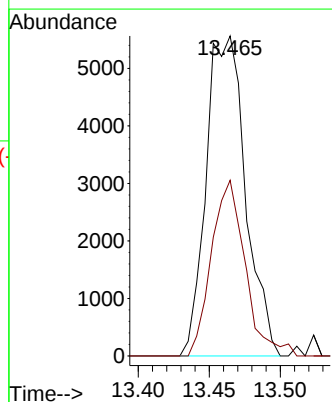
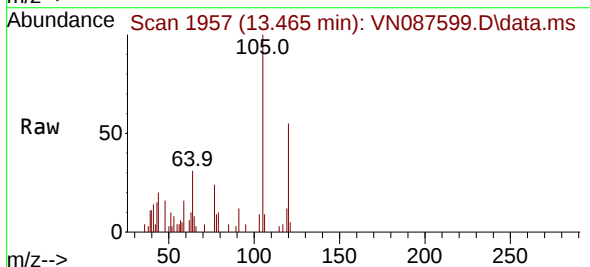
Instrument :
MSVOA_N
ClientSampleId :
001 willets Pt Blvd(july)

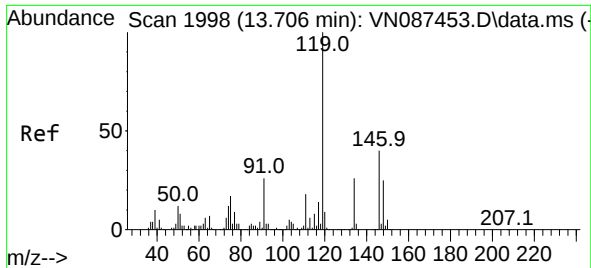
Tgt Ion:106 Resp: 1650
Ion Ratio Lower Upper
106 100
91 229.8 114.5 343.5



#80
1,2,4-Trimethylbenzene
Concen: 0.670 ug/l
RT: 13.465 min Scan# 1957
Delta R.T. 0.006 min
Lab File: VN087599.D
Acq: 18 Aug 2025 11:36

Tgt Ion:105 Resp: 10725
Ion Ratio Lower Upper
105 100
120 46.5 0.0 87.2





#82
 p-Isopropyltoluene
 Concen: 1.814 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. 0.000 min
 Lab File: VN087599.D
 Acq: 18 Aug 2025 11:36

Instrument :
 MSVOA_N
 ClientSampleId :
 001 willets Pt Blvd(july)

Tgt Ion:	119	Resp:	29596
Ion	Ratio	Lower	Upper
119	100		
134	24.0	0.0	51.4
91	25.4	0.0	52.0

