

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050725\
 Data File : VN086532.D
 Acq On : 07 May 2025 13:20
 Operator : JC\MD
 Sample : Q1949-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 001-WILLETS-PT-BLVD(MAY)

Quant Time: May 08 03:25:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 04:42:24 2025
 Response via : Initial Calibration

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

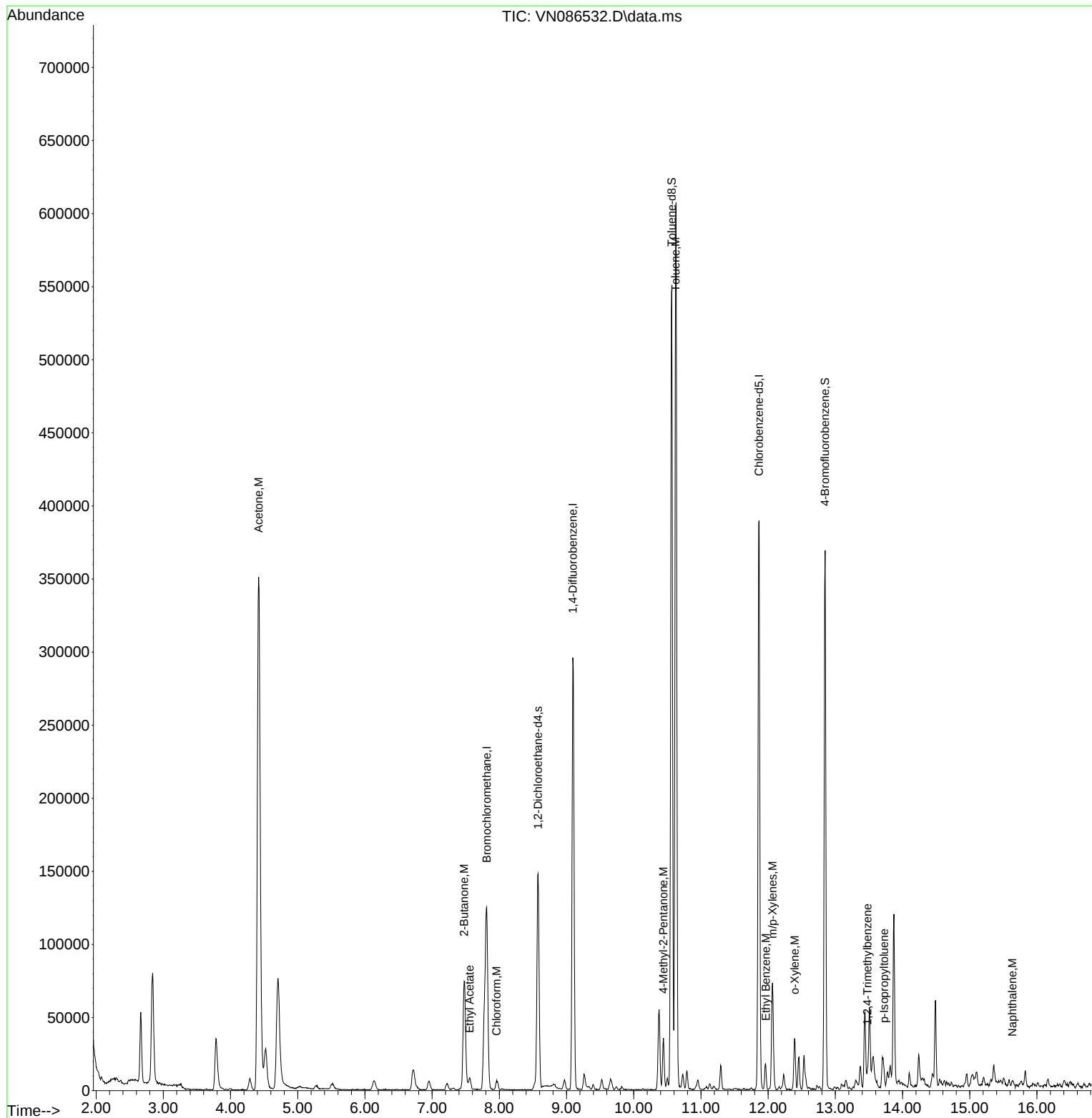
Internal Standards						
1) Bromochloromethane	7.812	128	45740	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.095	114	271916	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	243077	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	126733	28.738	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	95.800%
60) 4-Bromofluorobenzene	12.847	95	134917	28.240	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	94.133%
63) Toluene-d8	10.565	98	395947	29.608	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.700%
Target Compounds						
					Qvalue	
15) Acetone	4.418	58	214983	463.481	ug/l	98
25) Chloroform	7.959	83	6424	0.956	ug/l	96
30) 2-Butanone	7.477	43	120575	51.822	ug/l	97
43) Ethyl Acetate	7.559	43	13521	2.936	ug/l	95
58) 4-Methyl-2-Pentanone	10.441	43	22889	4.866	ug/l	98
62) Toluene	10.624	91	487357	29.953	ug/l	100
66) Ethyl Benzene	11.965	91	13831	0.755	ug/l	100
67) m/p-Xylenes	12.065	106	23972	3.450	ug/l	96
68) o-Xylene	12.394	106	9682	1.423	ug/l	94
80) 1,2,4-Trimethylbenzene	13.477	105	9973	0.701	ug/l	80
82) p-Isopropyltoluene	13.724	119	5048	0.354	ug/l	98
91) Naphthalene	15.635	128	5170	0.451	ug/l #	85

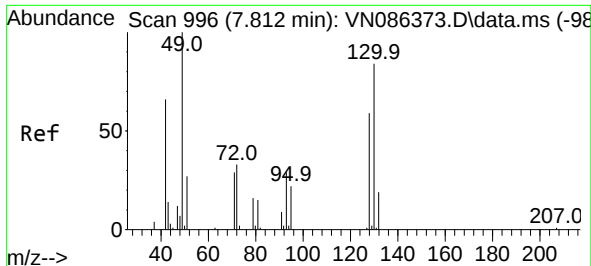
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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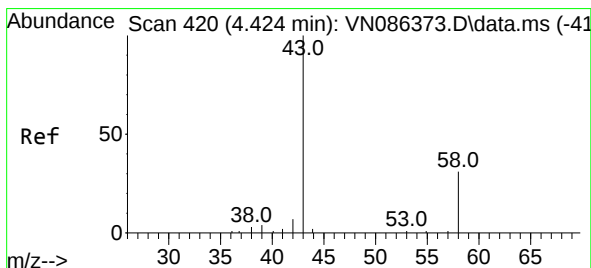
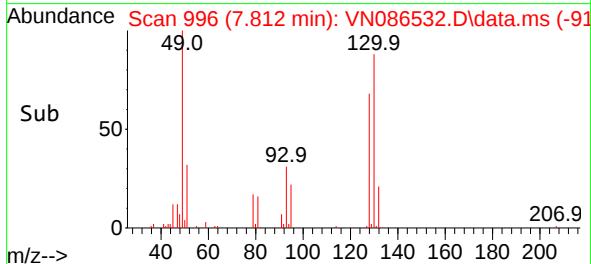
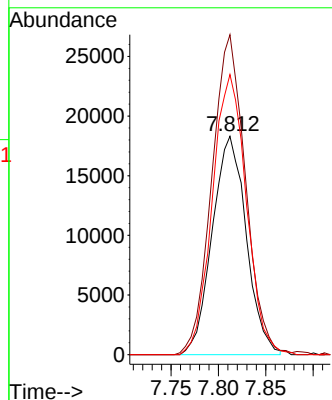
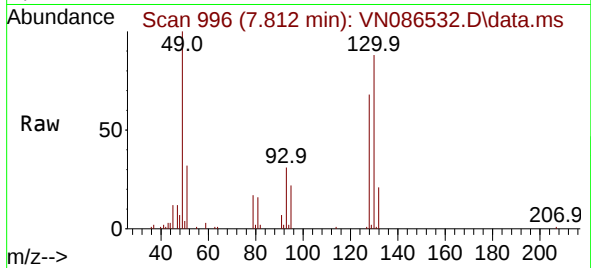




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN086532.D
Acq: 07 May 2025 13:20

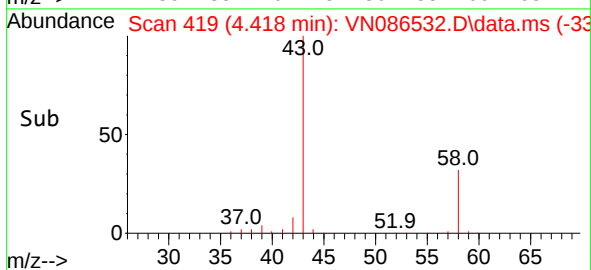
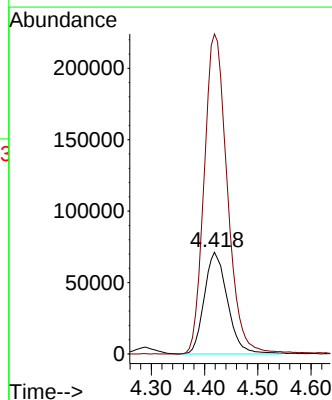
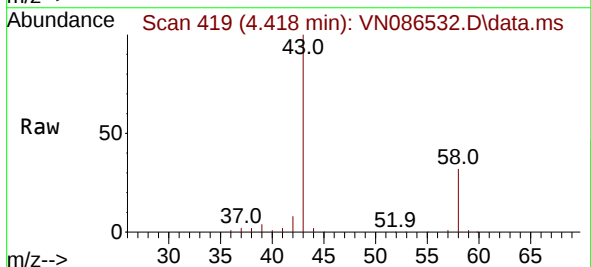
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)

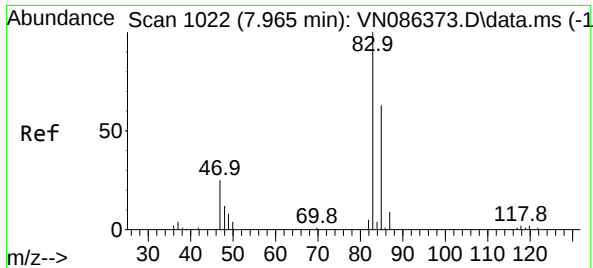
Tgt Ion:128 Resp: 45740
Ion Ratio Lower Upper
128 100
49 144.7 0.0 433.8
130 128.3 0.0 325.0



#15
Acetone
Concen: 463.481 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN086532.D
Acq: 07 May 2025 13:20

Tgt Ion: 58 Resp: 214983
Ion Ratio Lower Upper
58 100
43 314.3 255.1 382.7

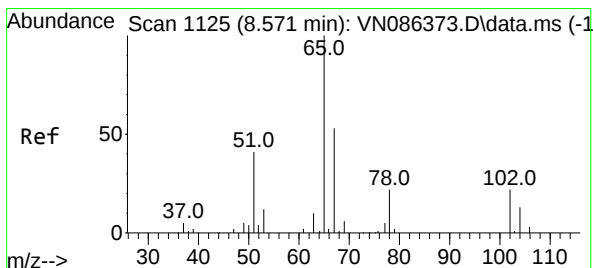
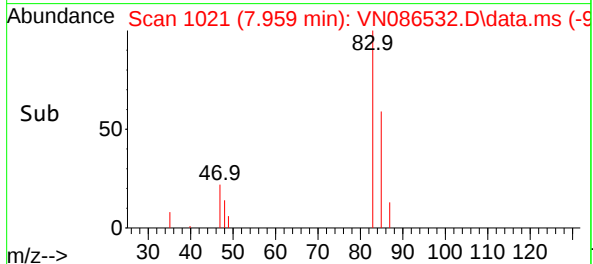
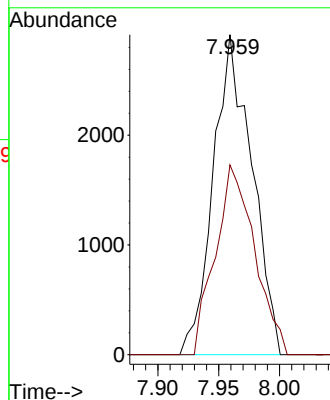
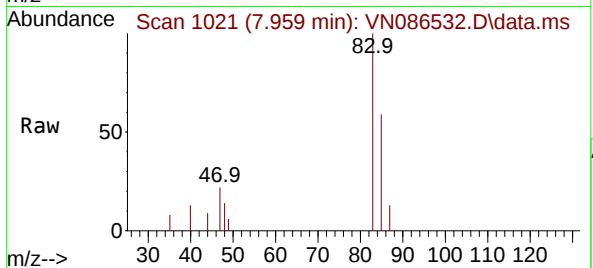




#25
Chloroform
Concen: 0.956 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN086532.D
Acq: 07 May 2025 13:20

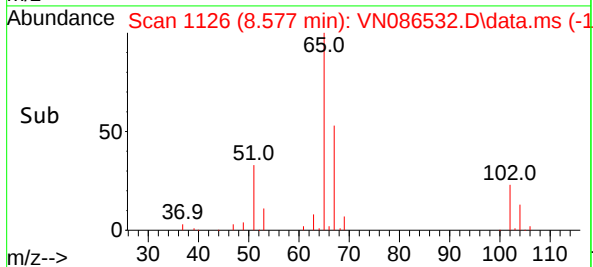
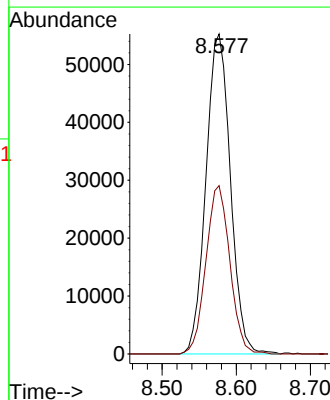
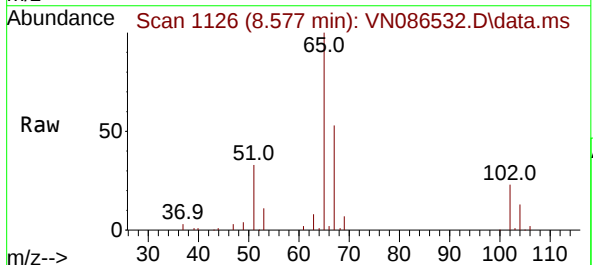
Instrument :
MSVOA_N
ClientSampleId :
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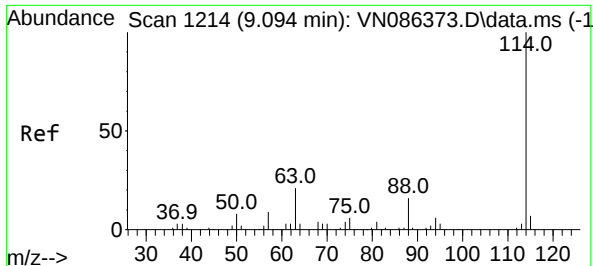
Tgt Ion: 83 Resp: 6424
Ion Ratio Lower Upper
83 100
85 59.3 50.2 75.2



#27
1,2-Dichloroethane-d4
Concen: 28.738 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN086532.D
Acq: 07 May 2025 13:20

Tgt Ion: 65 Resp: 126733
Ion Ratio Lower Upper
65 100
67 51.3 42.5 63.7

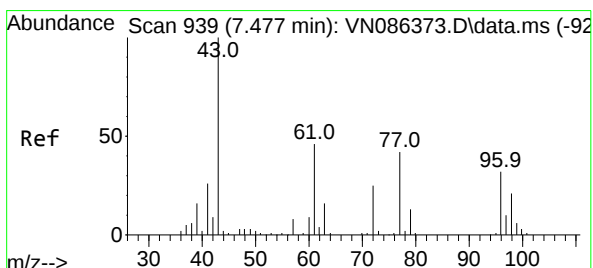
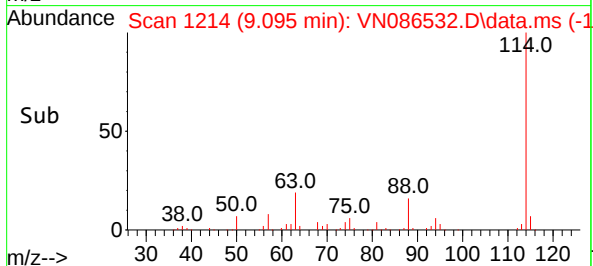
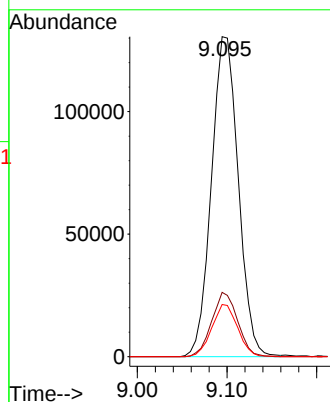
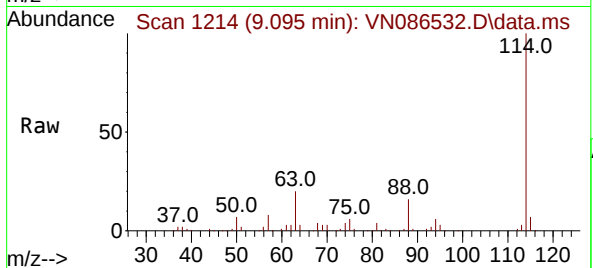




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.095 min Scan# 114
Delta R.T. 0.000 min
Lab File: VN086532.D
Acq: 07 May 2025 13:20

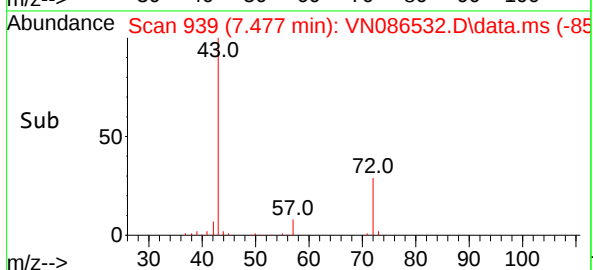
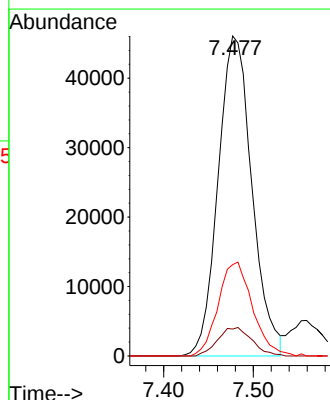
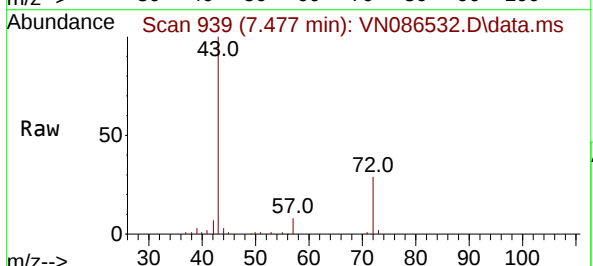
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)

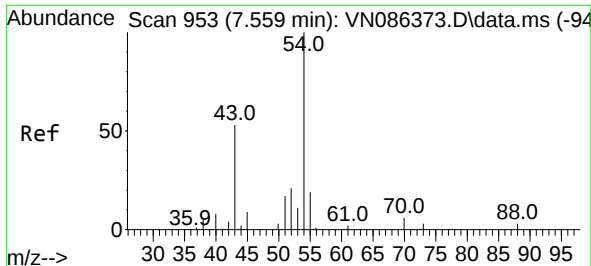
Tgt Ion:114 Resp: 271916
Ion Ratio Lower Upper
114 100
63 19.3 16.7 25.1
88 15.7 12.6 19.0



#30
2-Butanone
Concen: 51.822 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.000 min
Lab File: VN086532.D
Acq: 07 May 2025 13:20

Tgt Ion: 43 Resp: 120575
Ion Ratio Lower Upper
43 100
57 9.0 6.6 10.0
72 29.7 22.2 33.4

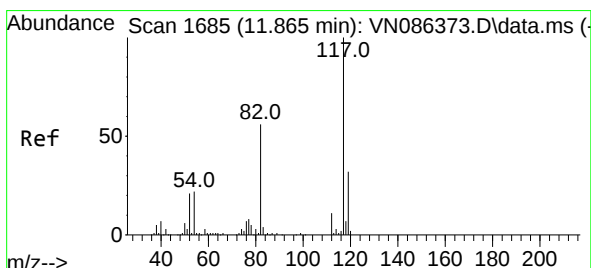
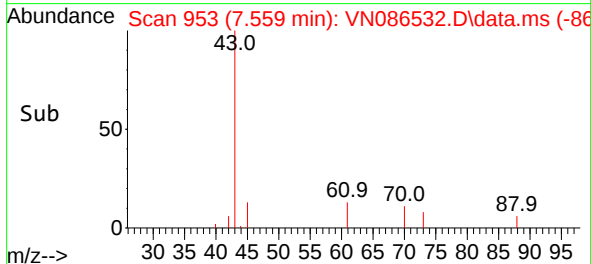
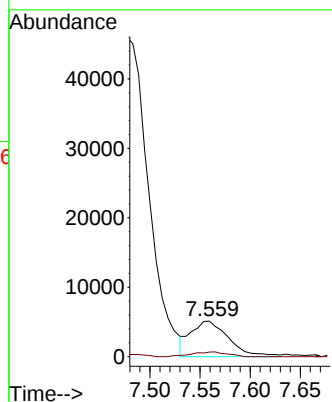
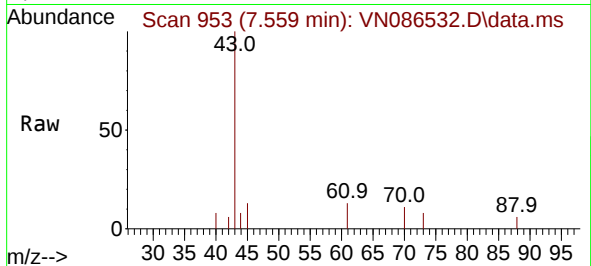




#43
Ethyl Acetate
Concen: 2.936 ug/l
RT: 7.559 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN086532.D
Acq: 07 May 2025 13:20

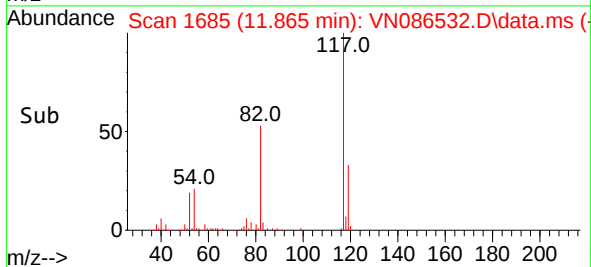
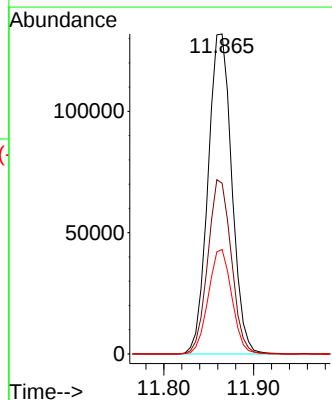
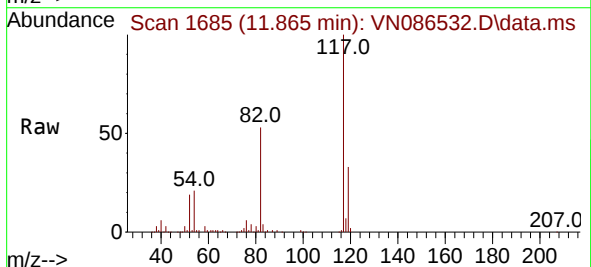
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)

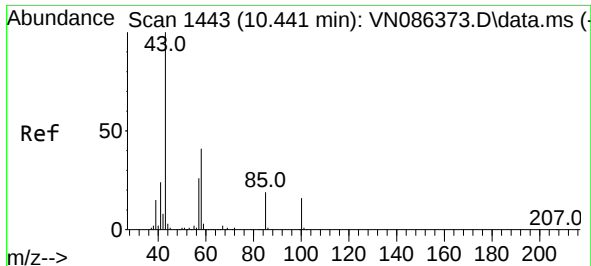
Tgt Ion: 43 Resp: 13521
Ion Ratio Lower Upper
43 100
45 12.4 11.4 17.2



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086532.D
Acq: 07 May 2025 13:20

Tgt Ion: 117 Resp: 243077
Ion Ratio Lower Upper
117 100
82 53.7 45.5 68.3
119 32.2 25.9 38.9

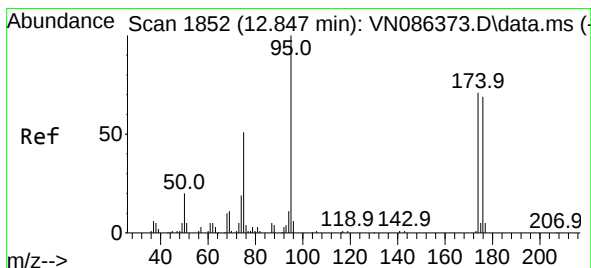
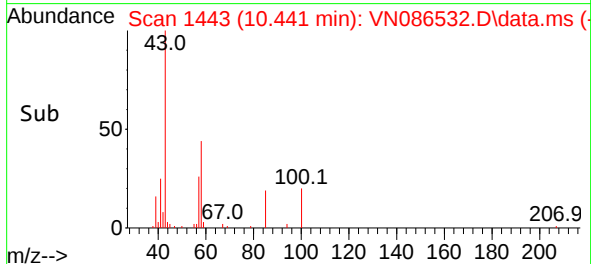
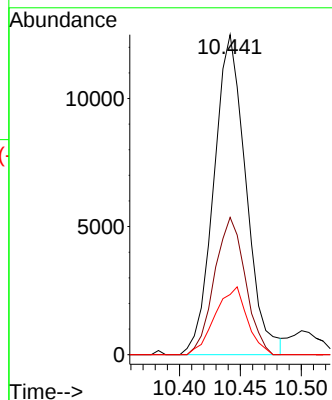
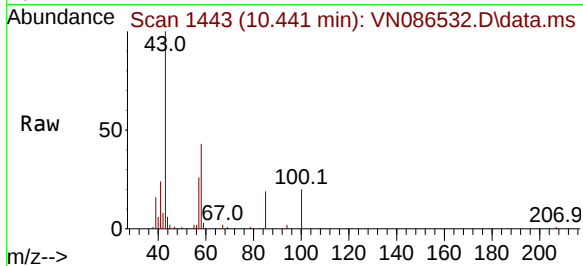




#58
4-Methyl-2-Pentanone
Concen: 4.866 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN086532.D
Acq: 07 May 2025 13:20

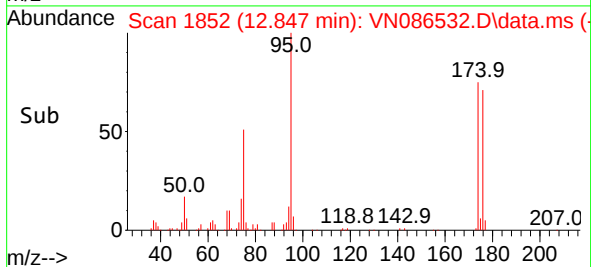
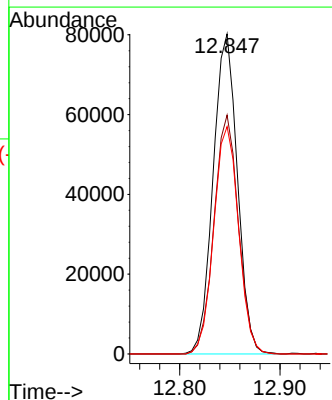
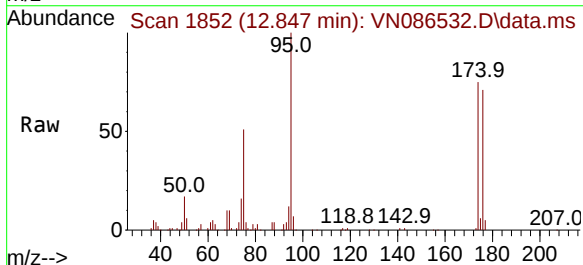
Instrument :
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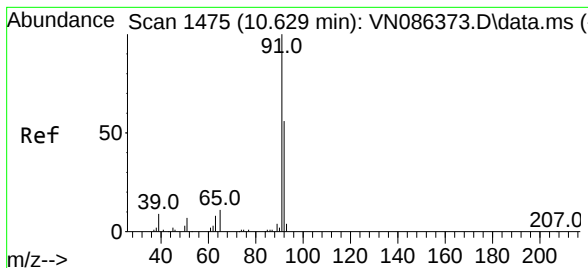
Tgt Ion:	43	Resp:	22889
Ion	Ratio	Lower	Upper
43	100		
58	41.2	33.0	49.6
85	21.2	14.9	22.3



#60
4-Bromofluorobenzene
Concen: 28.240 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086532.D
Acq: 07 May 2025 13:20

Tgt Ion:	95	Resp:	134917
Ion	Ratio	Lower	Upper
95	100		
174	75.2	56.6	84.8
176	72.5	53.3	79.9





#62

Toluene

Concen: 29.953 ug/l

RT: 10.624 min Scan# 1475

Delta R.T. -0.006 min

Lab File: VN086532.D

Acq: 07 May 2025 13:20

Instrument :

MSVOA_N

ClientSampleId :

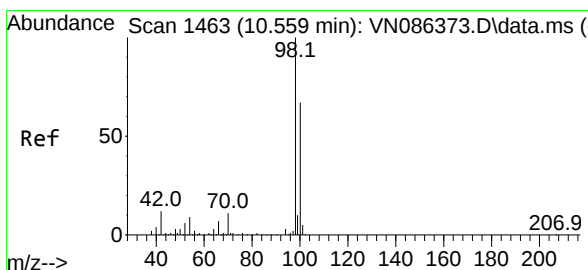
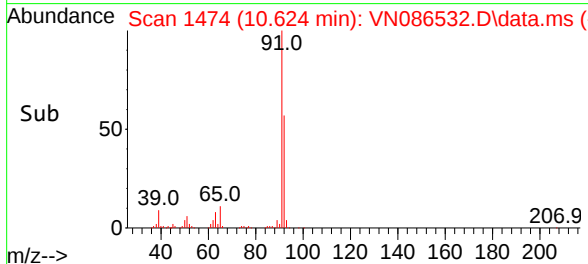
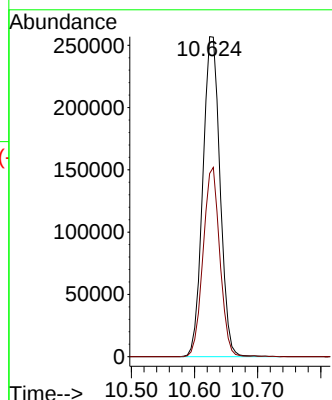
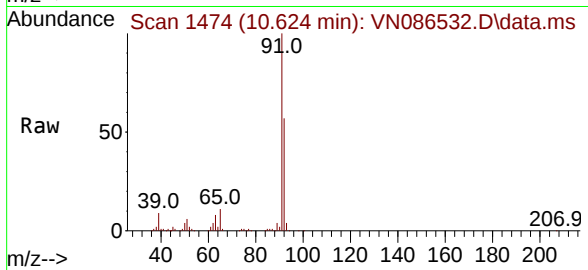
001-WILLETS-PT-BLVD(MAY)

Tgt Ion: 91 Resp: 487357

Ion Ratio Lower Upper

91 100

92 57.3 45.7 68.5



#63

Toluene-d8

Concen: 29.608 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.006 min

Lab File: VN086532.D

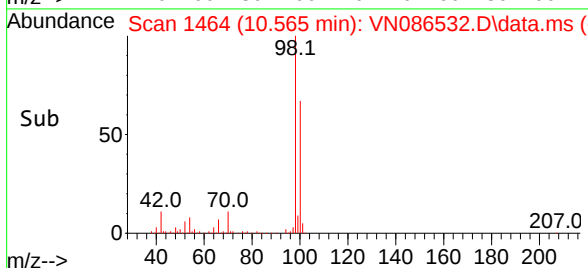
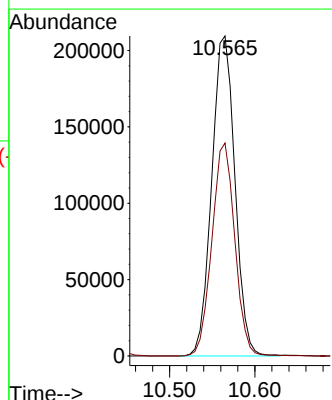
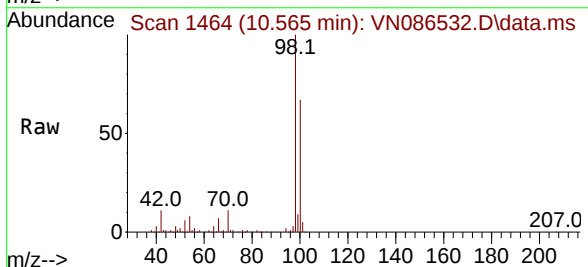
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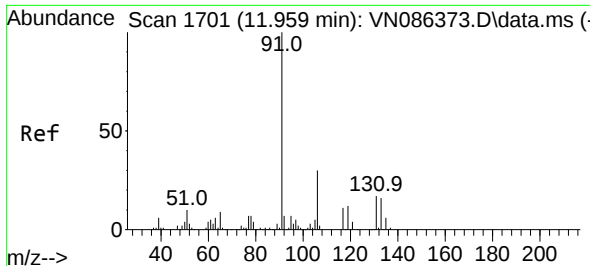
Tgt Ion: 98 Resp: 395947

Ion Ratio Lower Upper

98 100

100 65.6 53.1 79.7

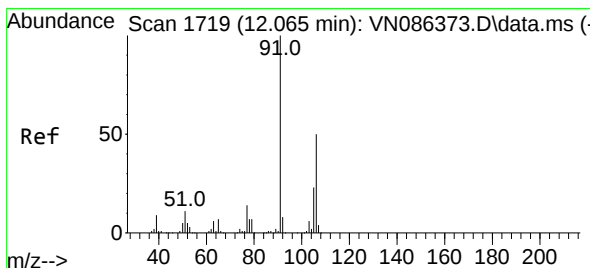
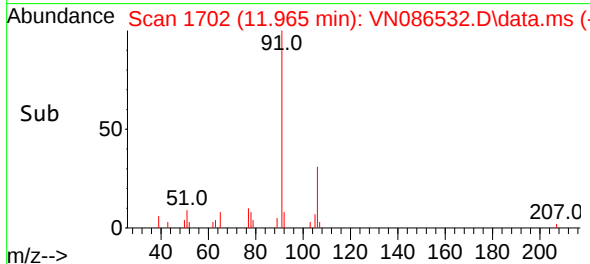
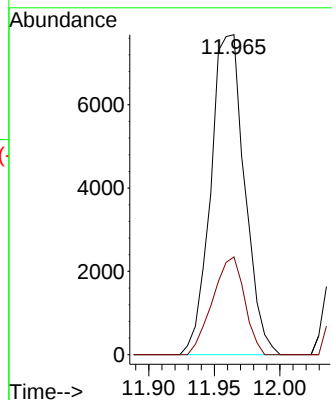
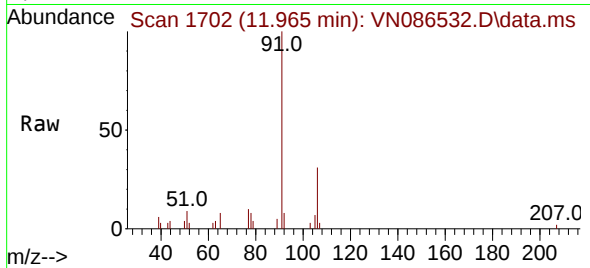




#66
Ethyl Benzene
Concen: 0.755 ug/l
RT: 11.965 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VN086532.D
Acq: 07 May 2025 13:20

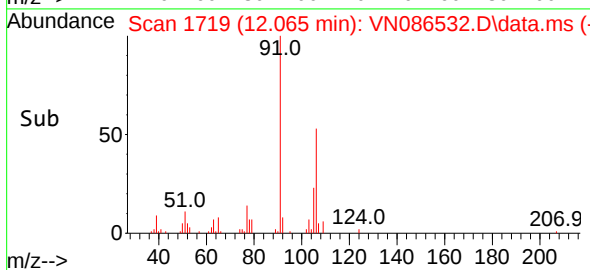
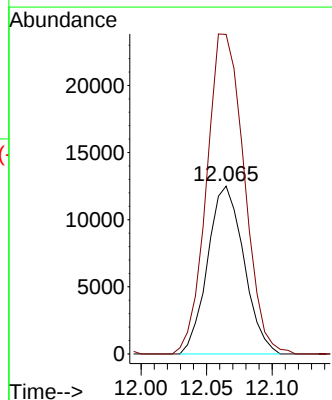
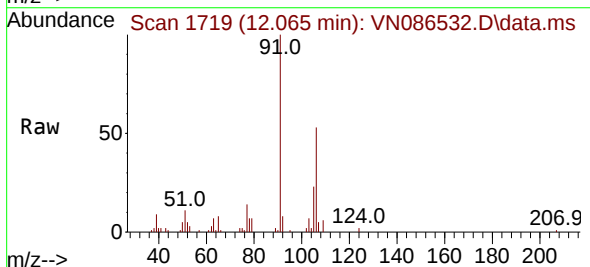
Instrument :
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001-WILLETS-PT-BLVD(MAY)

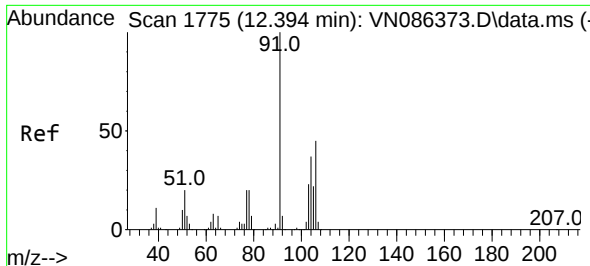
Tgt Ion: 91 Resp: 13831
Ion Ratio Lower Upper
91 100
106 30.6 24.3 36.5



#67
m/p-Xylenes
Concen: 3.450 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VN086532.D
Acq: 07 May 2025 13:20

Tgt Ion:106 Resp: 23972
Ion Ratio Lower Upper
106 100
91 197.8 162.6 243.8

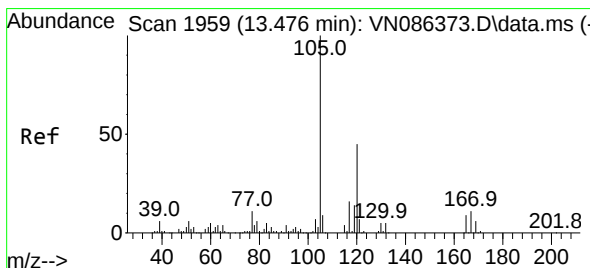
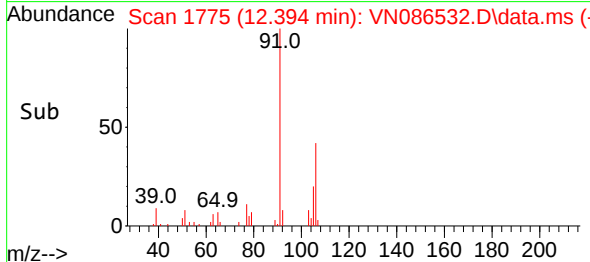
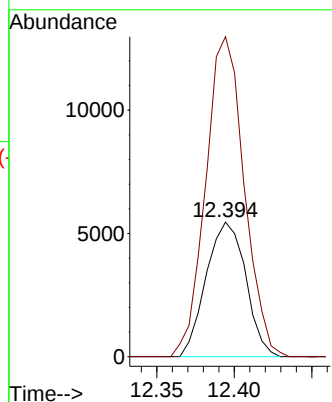
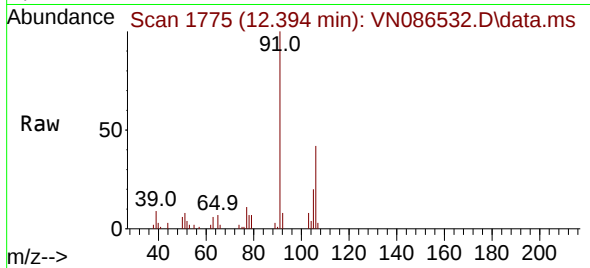




#68
o-Xylene
Concen: 1.423 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN086532.D
Acq: 07 May 2025 13:20

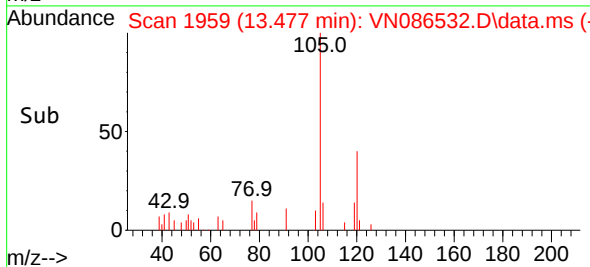
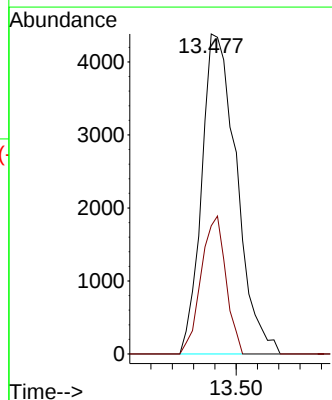
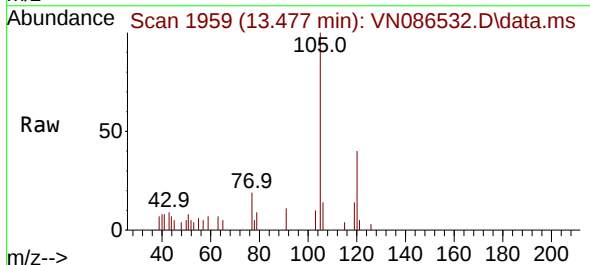
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)

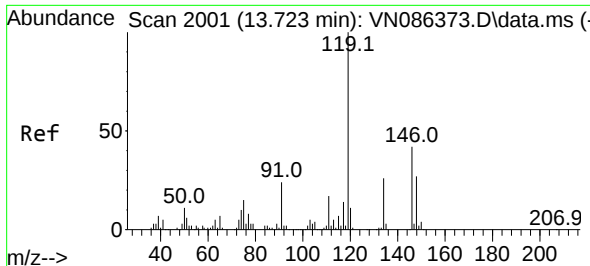
Tgt Ion:106 Resp: 9682
Ion Ratio Lower Upper
106 100
91 231.5 110.6 331.6



#80
1,2,4-Trimethylbenzene
Concen: 0.701 ug/l
RT: 13.477 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN086532.D
Acq: 07 May 2025 13:20

Tgt Ion:105 Resp: 9973
Ion Ratio Lower Upper
105 100
120 30.7 0.0 87.6

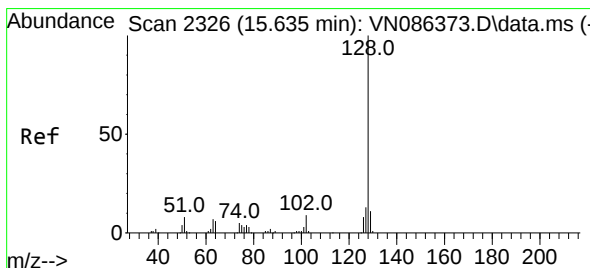
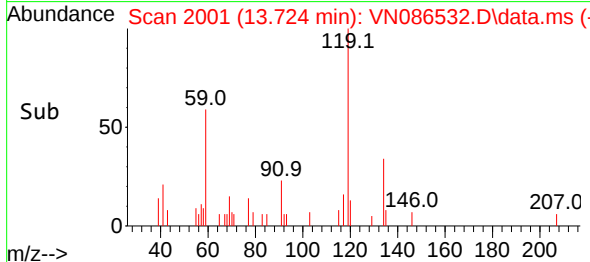
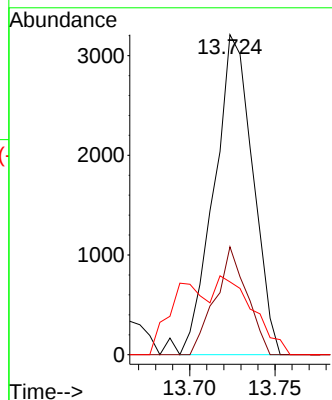
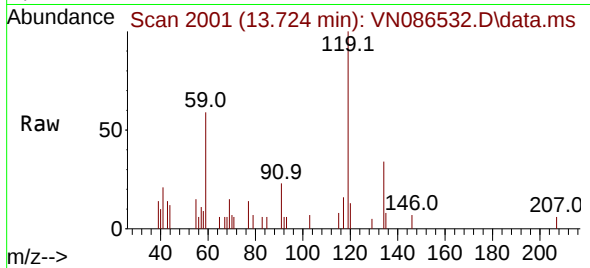




#82
p-Isopropyltoluene
Concen: 0.354 ug/l
RT: 13.724 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN086532.D
Acq: 07 May 2025 13:20

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.8	0.0	52.2
91	23.6	0.0	47.6



#91
Naphthalene
Concen: 0.451 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN086532.D
Acq: 07 May 2025 13:20

Tgt Ion	Ratio	Lower	Upper
128	100		
127	7.0	10.6	15.8#
129	5.2	8.7	13.1#

