

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041425\
 Data File : VN086265.D
 Acq On : 14 Apr 2025 13:38
 Operator : JC\MD
 Sample : Q1804-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Apr 15 03:09:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041125W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 12 01:21:52 2025
 Response via : Initial Calibration

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

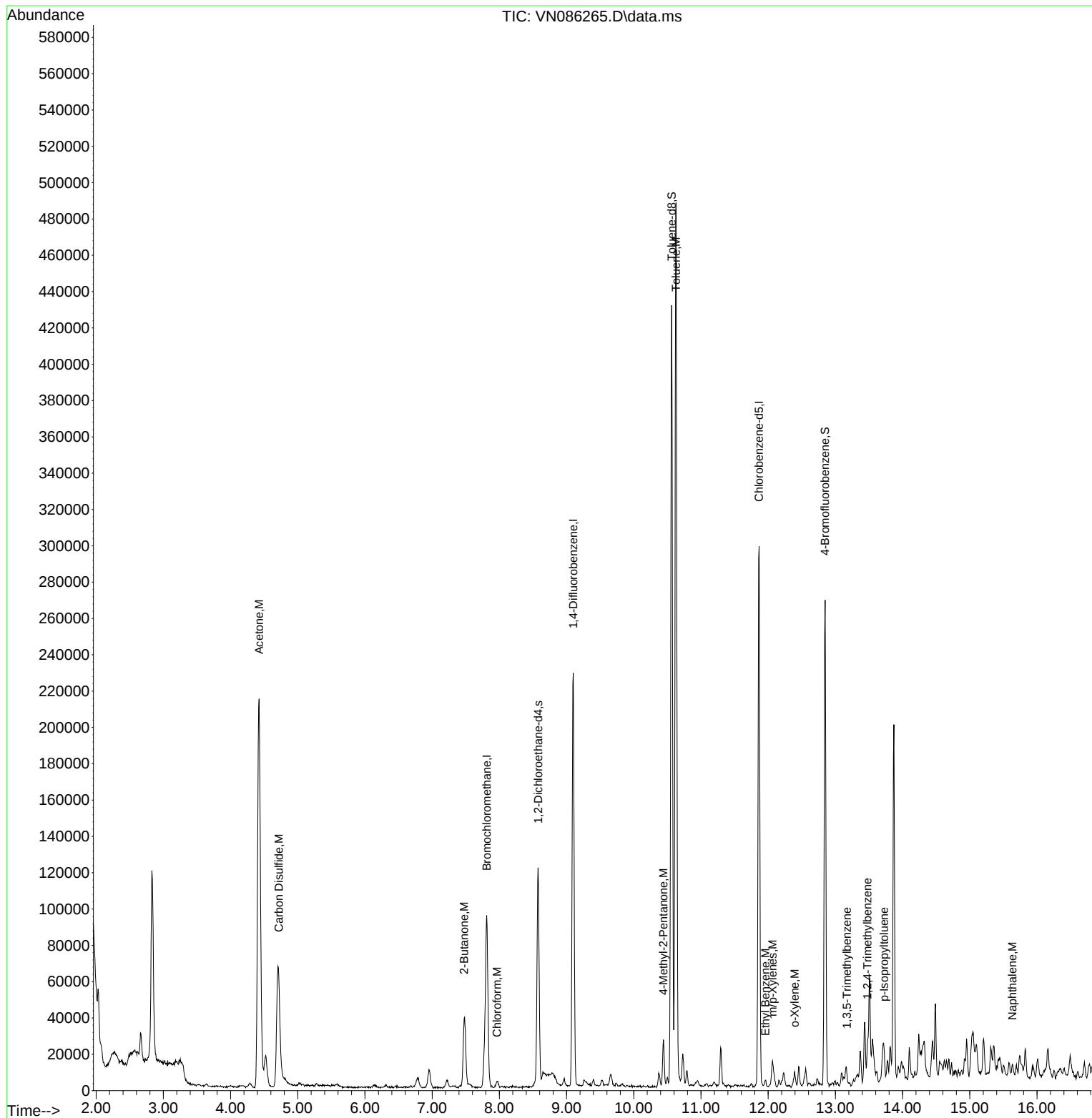
Internal Standards						
1) Bromochloromethane	7.812	128	32875	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	201433	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	178259	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	97136	30.293	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.967%
60) 4-Bromofluorobenzene	12.847	95	102241	28.808	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.033%
63) Toluene-d8	10.565	98	299381	29.749	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.167%
Target Compounds						
					Qvalue	
15) Acetone	4.424	58	132632	350.513	ug/l	90
16) Carbon Disulfide	4.718	76	32242	4.492	ug/l	97
25) Chloroform	7.965	83	3471	0.727	ug/l	92
30) 2-Butanone	7.477	43	64781	32.399	ug/l	98
58) 4-Methyl-2-Pentanone	10.441	43	17144	4.238	ug/l	99
62) Toluene	10.629	91	381062	31.871	ug/l	100
66) Ethyl Benzene	11.959	91	3026	0.228	ug/l #	87
67) m/p-Xylenes	12.065	106	3420	0.694	ug/l	97
68) o-Xylene	12.394	106	1554	0.320	ug/l	79
76) 1,3,5-Trimethylbenzene	13.170	105	2806	0.286	ug/l	99
80) 1,2,4-Trimethylbenzene	13.476	105	14582	1.464	ug/l	86
82) p-Isopropyltoluene	13.723	119	8162	0.825	ug/l	97
91) Naphthalene	15.635	128	6413	0.688	ug/l #	95

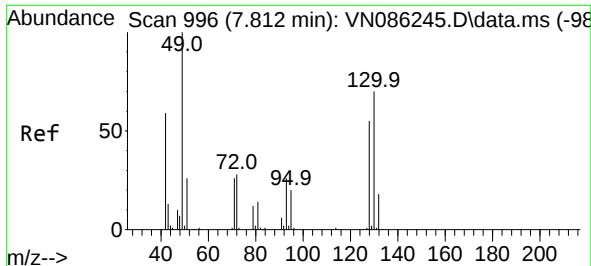
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041425\
Data File : VN086265.D
Acq On : 14 Apr 2025 13:38
Operator : JC\MD
Sample : Q1804-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Apr 15 03:09:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Apr 12 01:21:52 2025
Response via : Initial Calibration

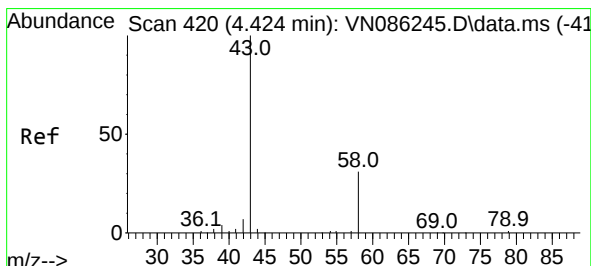
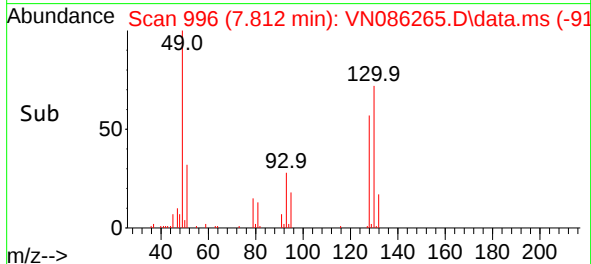
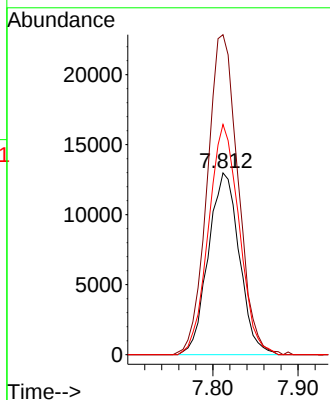
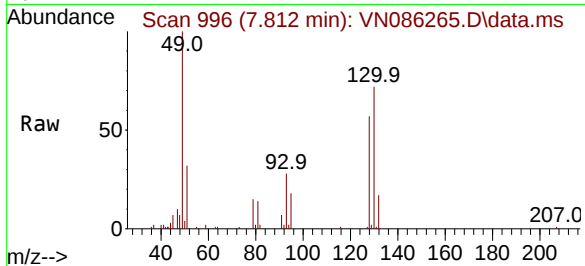




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN086265.D
Acq: 14 Apr 2025 13:38

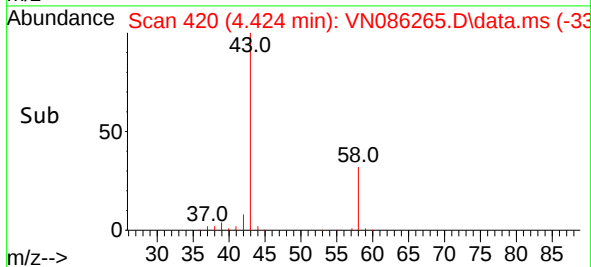
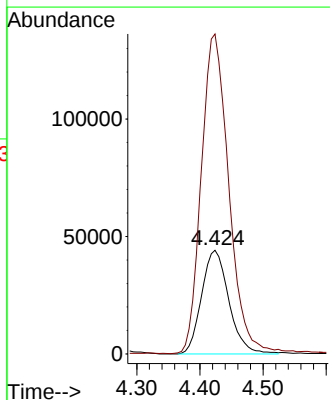
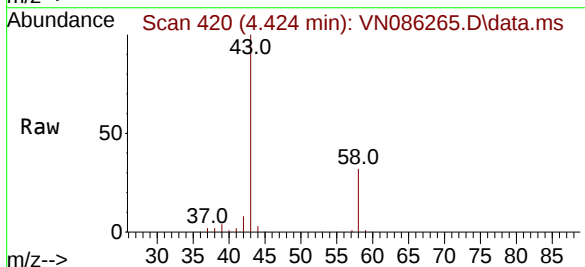
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(APR)

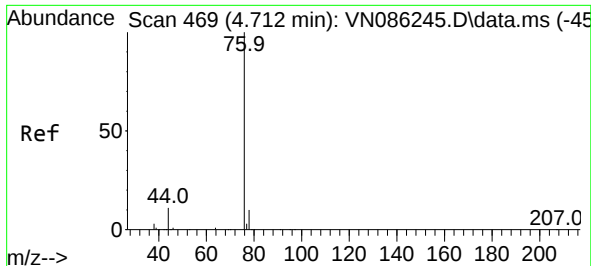
Tgt Ion:128 Resp: 32875
Ion Ratio Lower Upper
128 100
49 175.2 0.0 452.5
130 125.5 0.0 315.0



#15
Acetone
Concen: 350.513 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN086265.D
Acq: 14 Apr 2025 13:38

Tgt Ion: 58 Resp: 132632
Ion Ratio Lower Upper
58 100
43 307.4 261.8 392.8

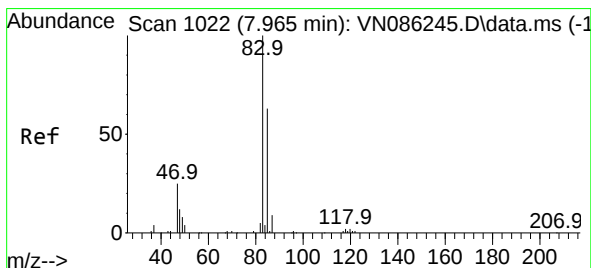
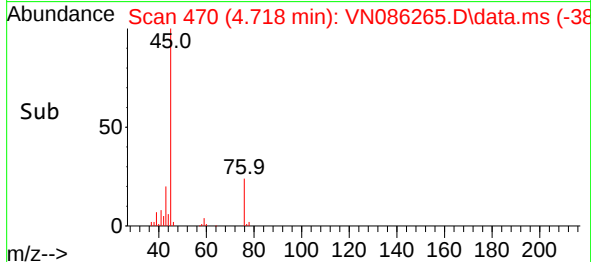
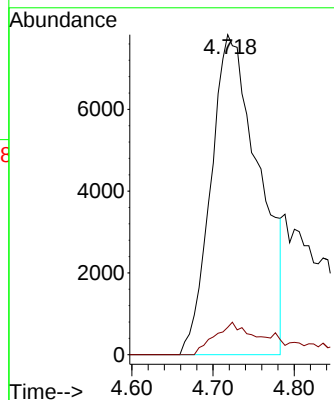
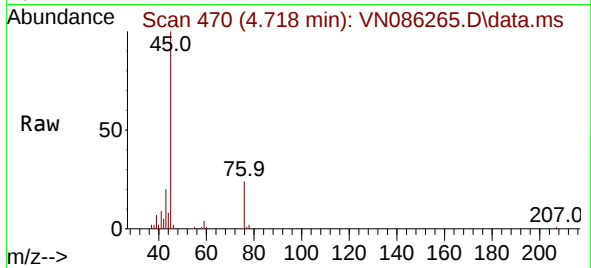




#16
Carbon Disulfide
Concen: 4.492 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086265.D
Acq: 14 Apr 2025 13:38

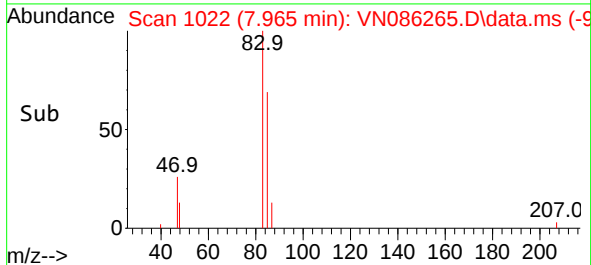
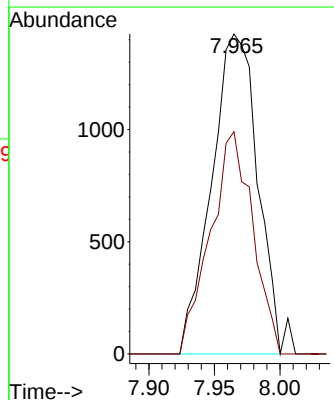
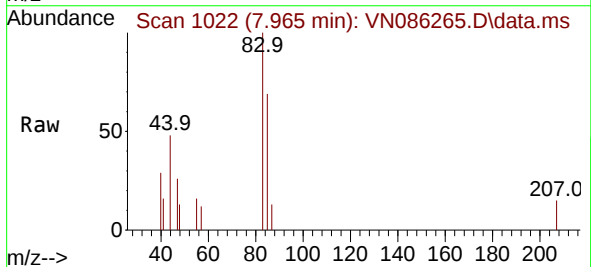
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(APR)

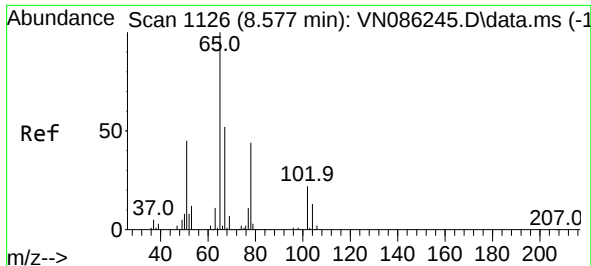
Tgt Ion: 76 Resp: 32242
Ion Ratio Lower Upper
76 100
78 8.6 7.7 11.5



#25
Chloroform
Concen: 0.727 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN086265.D
Acq: 14 Apr 2025 13:38

Tgt Ion: 83 Resp: 3471
Ion Ratio Lower Upper
83 100
85 69.4 50.5 75.7





#27

1,2-Dichloroethane-d4

Concen: 30.293 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086265.D

Acq: 14 Apr 2025 13:38

Instrument :

MSVOA_N

ClientSampleId :

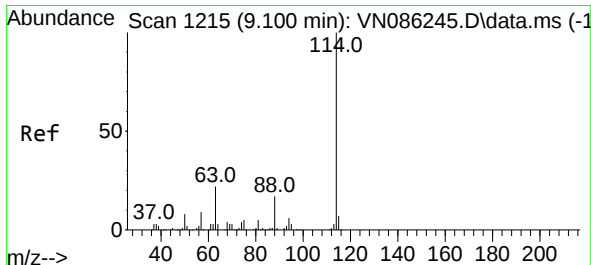
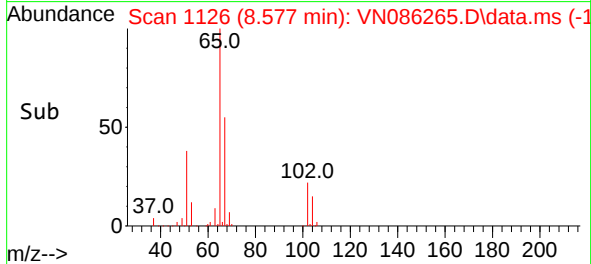
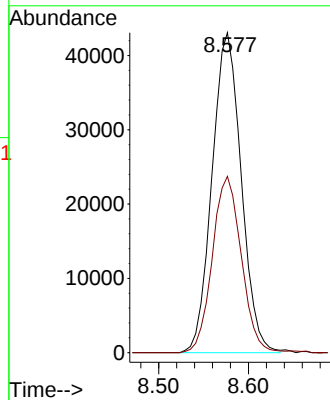
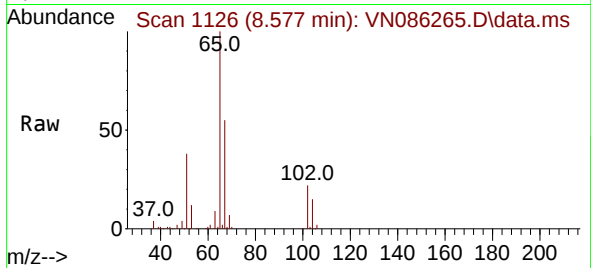
001-WILLETS-PT-BLVD(APR)

Tgt Ion: 65 Resp: 97136

Ion Ratio Lower Upper

65 100

67 54.7 43.4 65.2



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086265.D

Acq: 14 Apr 2025 13:38

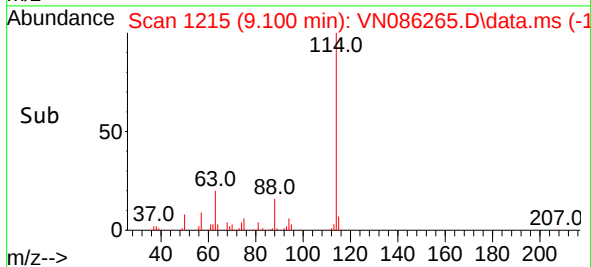
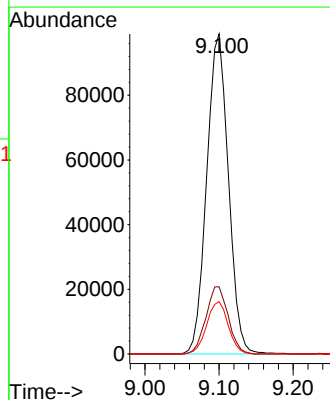
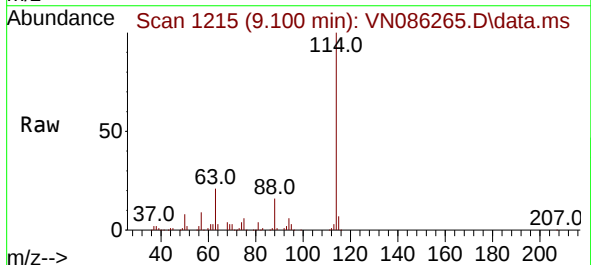
Tgt Ion: 114 Resp: 201433

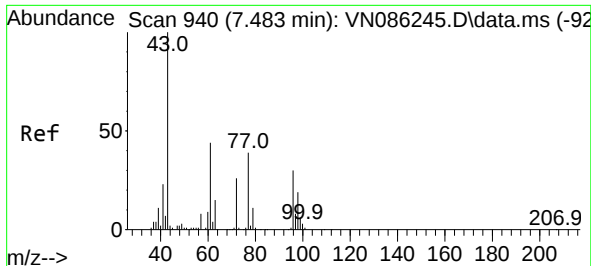
Ion Ratio Lower Upper

114 100

63 21.5 17.8 26.6

88 16.2 13.4 20.2

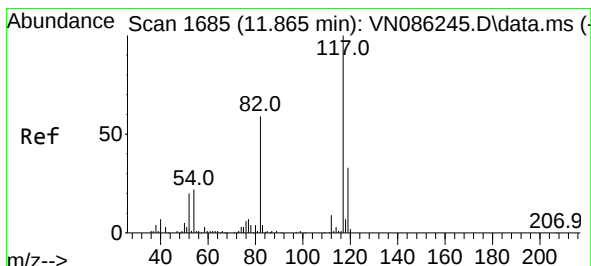
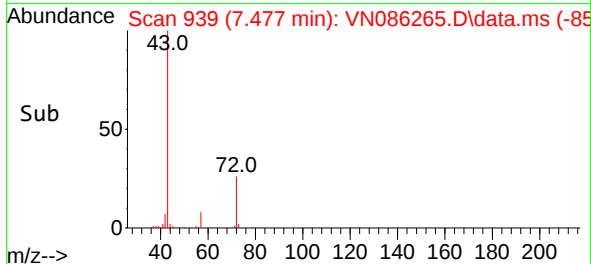
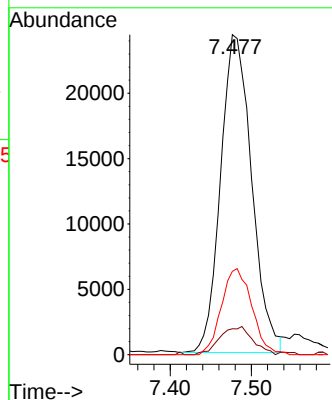
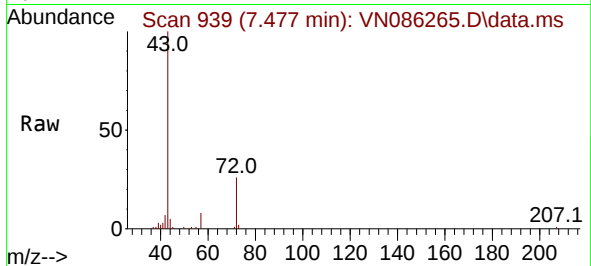




#30
2-Butanone
Concen: 32.399 ug/l
RT: 7.477 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN086265.D
Acq: 14 Apr 2025 13:38

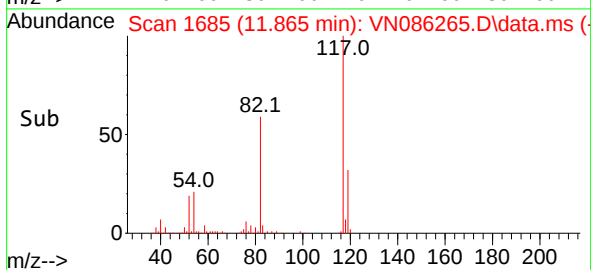
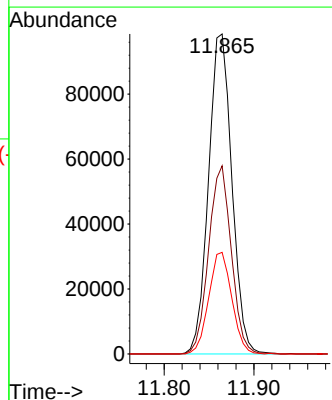
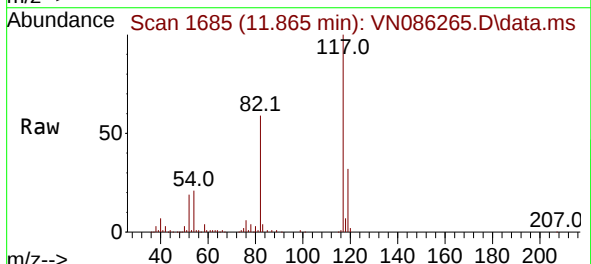
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(APR)

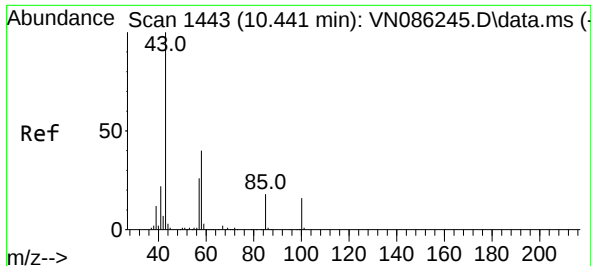
Tgt Ion: 43 Resp: 64781
Ion Ratio Lower Upper
43 100
57 9.3 6.4 9.6
72 26.3 21.5 32.3



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086265.D
Acq: 14 Apr 2025 13:38

Tgt Ion: 117 Resp: 178259
Ion Ratio Lower Upper
117 100
82 57.2 47.3 70.9
119 31.4 25.9 38.9

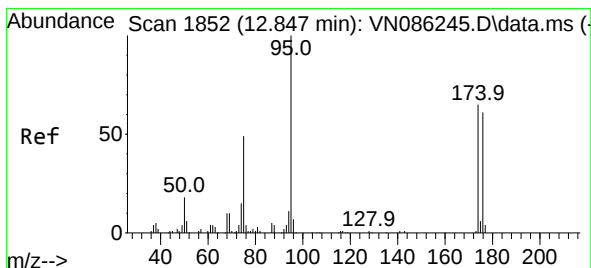
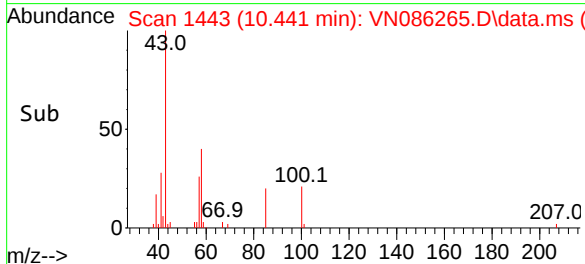
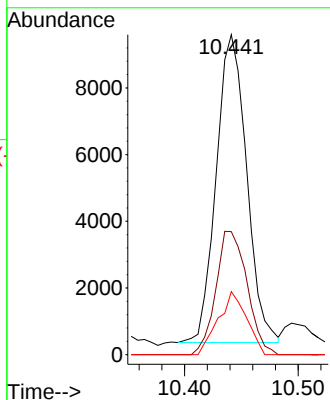
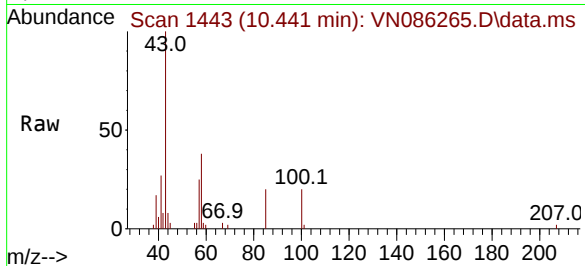




#58
4-Methyl-2-Pentanone
Concen: 4.238 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086265.D
Acq: 14 Apr 2025 13:38

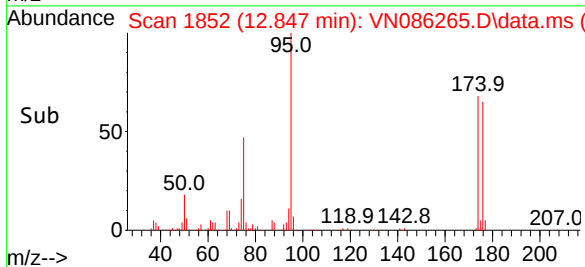
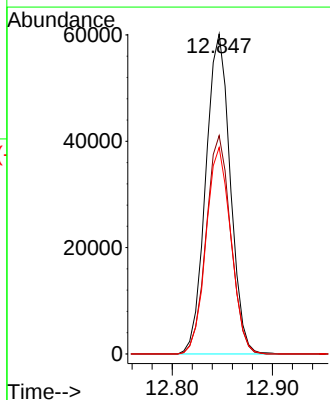
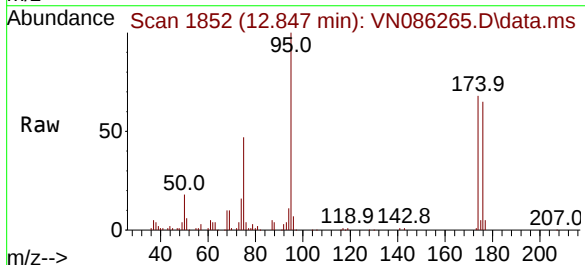
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(APR)

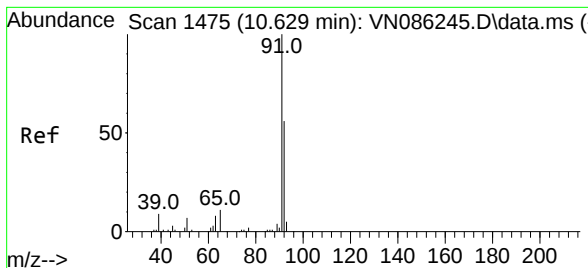
Tgt Ion:	43	Resp:	17144
Ion	Ratio	Lower	Upper
43	100		
58	41.1	32.5	48.7
85	19.1	14.4	21.6



#60
4-Bromofluorobenzene
Concen: 28.808 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086265.D
Acq: 14 Apr 2025 13:38

Tgt Ion:	95	Resp:	102241
Ion	Ratio	Lower	Upper
95	100		
174	68.3	52.7	79.1
176	65.7	49.8	74.8





#62

Toluene

Concen: 31.871 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VN086265.D

Acq: 14 Apr 2025 13:38

Instrument :

MSVOA_N

ClientSampleId :

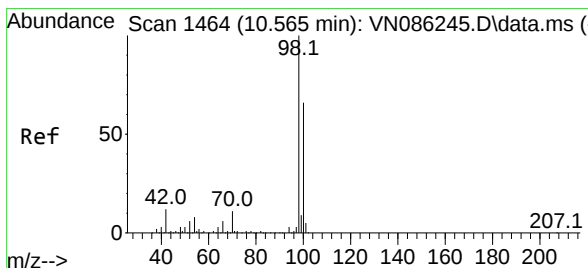
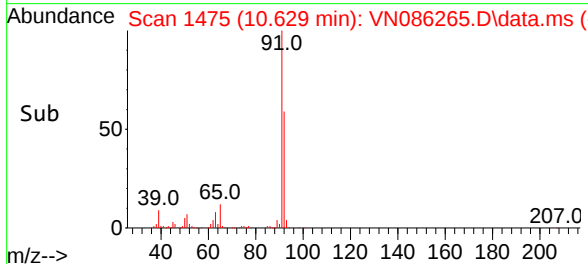
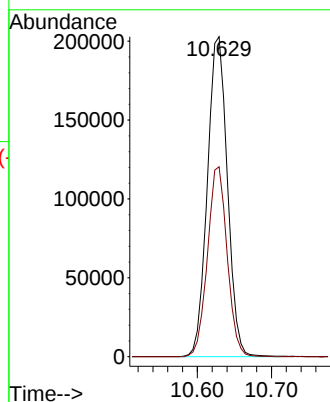
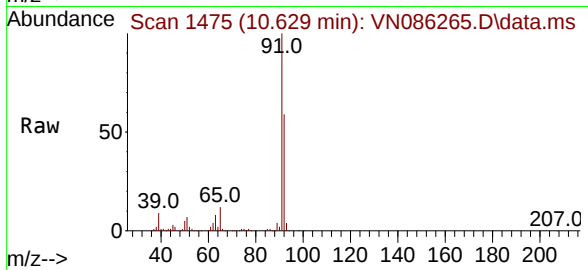
001-WILLETS-PT-BLVD(APR)

Tgt Ion: 91 Resp: 381062

Ion Ratio Lower Upper

91 100

92 58.2 46.8 70.2



#63

Toluene-d8

Concen: 29.749 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086265.D

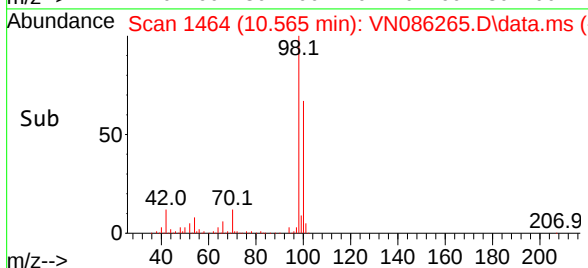
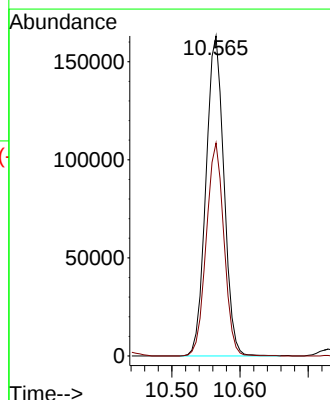
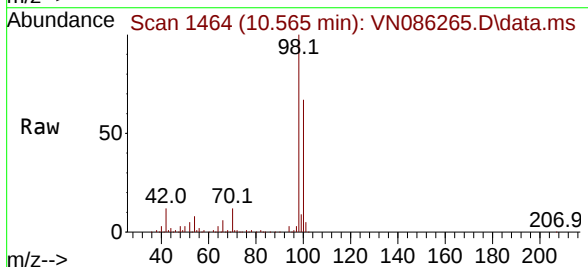
Acq: 14 Apr 2025 13:38

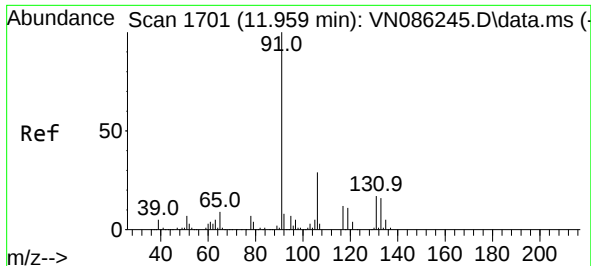
Tgt Ion: 98 Resp: 299381

Ion Ratio Lower Upper

98 100

100 65.4 52.3 78.5

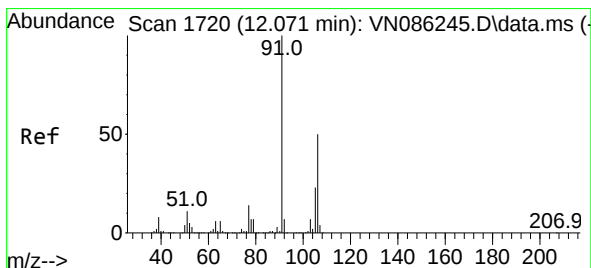
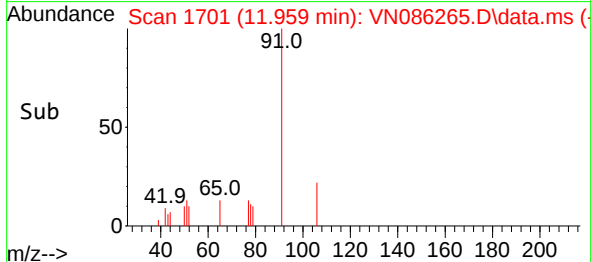
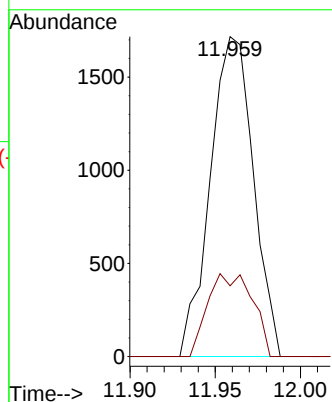
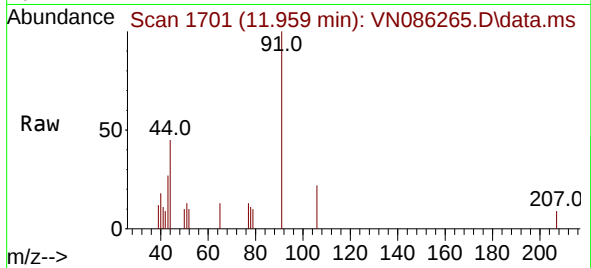




#66
Ethyl Benzene
Concen: 0.228 ug/l
RT: 11.959 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN086265.D
Acq: 14 Apr 2025 13:38

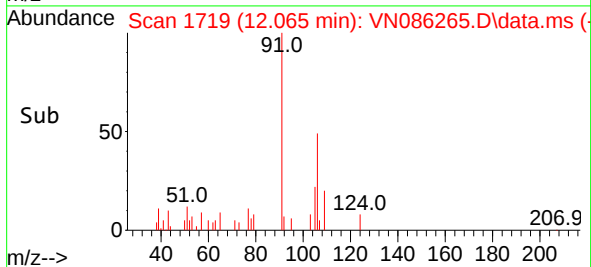
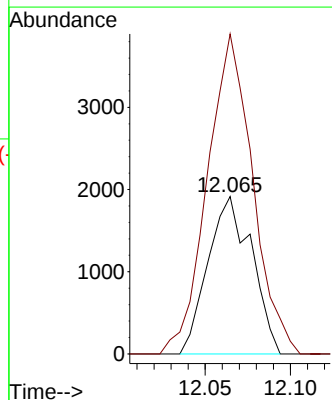
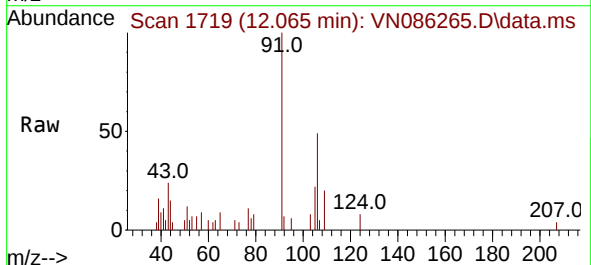
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(APR)

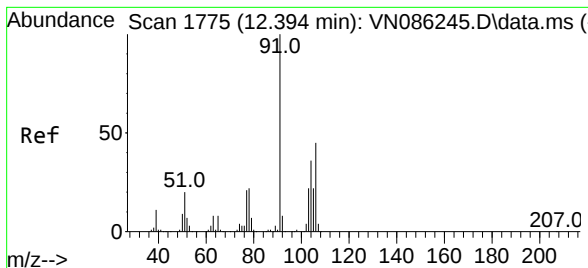
Tgt Ion: 91 Resp: 3026
Ion Ratio Lower Upper
91 100
106 22.1 23.4 35.0#



#67
m/p-Xylenes
Concen: 0.694 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN086265.D
Acq: 14 Apr 2025 13:38

Tgt Ion:106 Resp: 3420
Ion Ratio Lower Upper
106 100
91 210.6 164.5 246.7





#68

o-Xylene

Concen: 0.320 ug/l

RT: 12.394 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN086265.D

Acq: 14 Apr 2025 13:38

Instrument :

MSVOA_N

ClientSampleId :

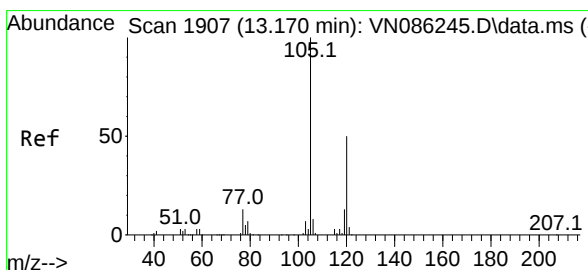
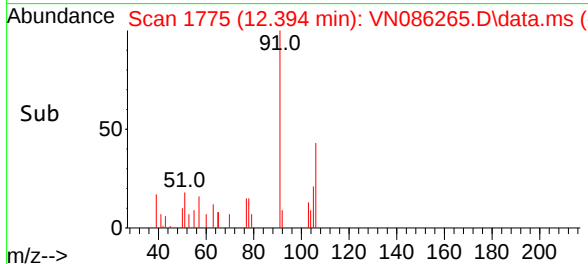
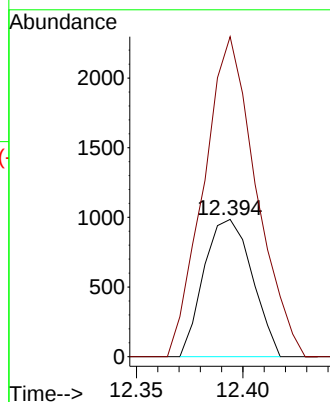
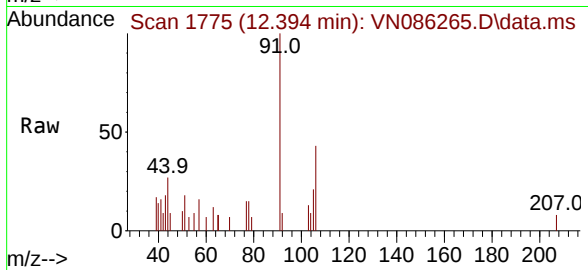
001-WILLETS-PT-BLVD(APR)

Tgt Ion:106 Resp: 1554

Ion Ratio Lower Upper

106 100

91 253.2 109.8 329.4



#76

1,3,5-Trimethylbenzene

Concen: 0.286 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN086265.D

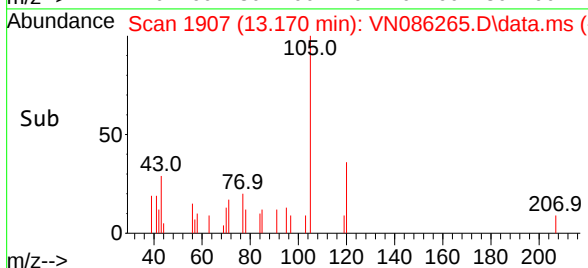
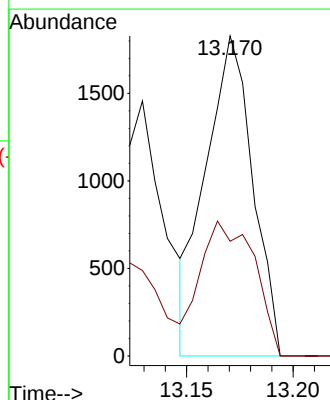
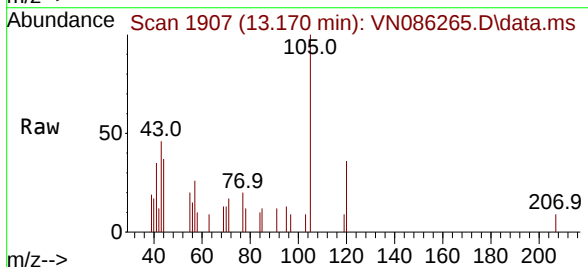
Acq: 14 Apr 2025 13:38

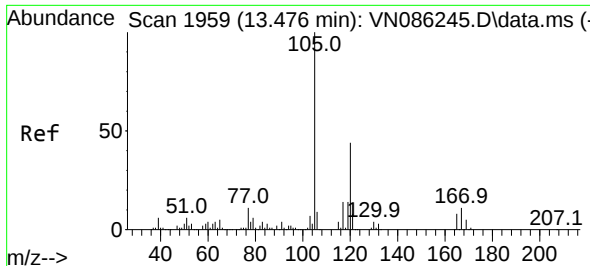
Tgt Ion:105 Resp: 2806

Ion Ratio Lower Upper

105 100

120 48.4 0.0 98.0

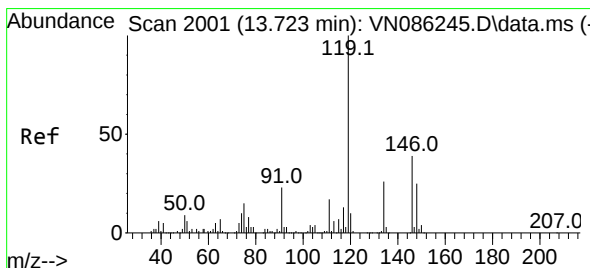
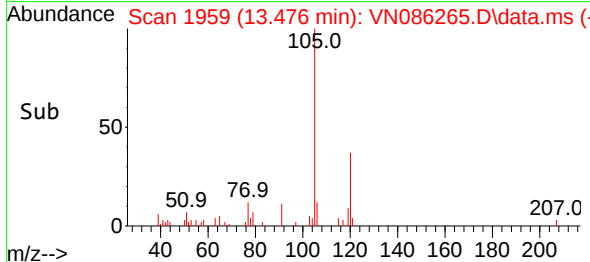
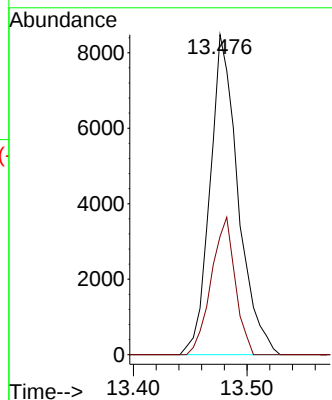
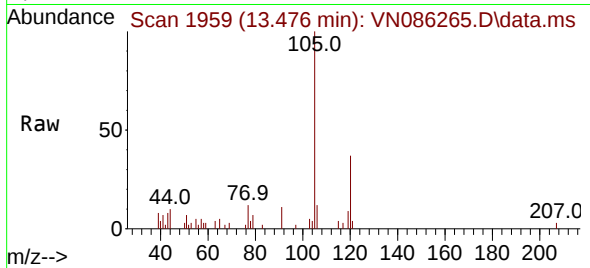




#80
 1,2,4-Trimethylbenzene
 Concen: 1.464 ug/l
 RT: 13.476 min Scan# 1959
 Delta R.T. -0.000 min
 Lab File: VN086265.D
 Acq: 14 Apr 2025 13:38

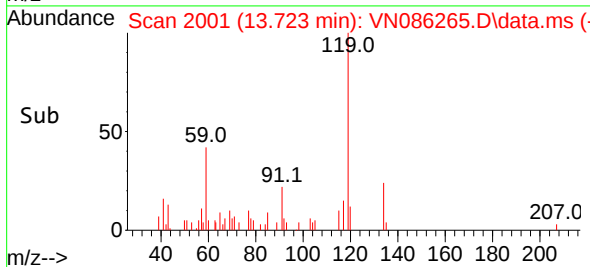
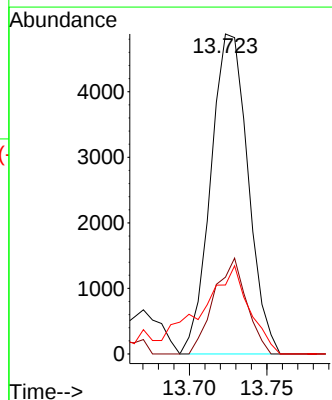
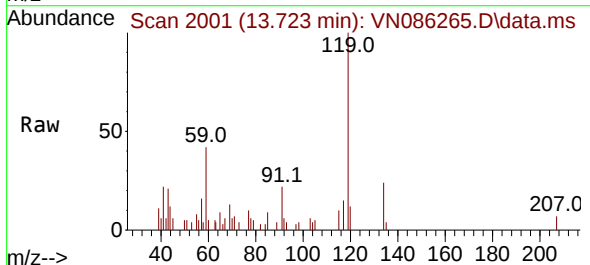
Instrument :
 MSVOA_N
 ClientSampleId :
 001-WILLETS-PT-BLVD(APR)

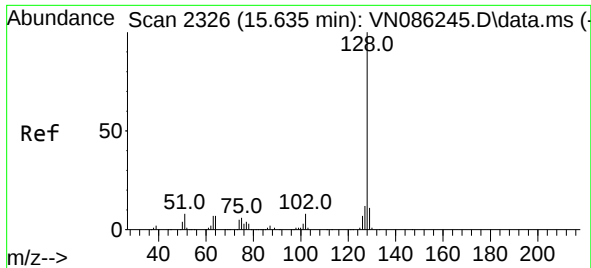
Tgt Ion:105 Resp: 14582
 Ion Ratio Lower Upper
 105 100
 120 36.5 0.0 91.0



#82
 p-Isopropyltoluene
 Concen: 0.825 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. -0.000 min
 Lab File: VN086265.D
 Acq: 14 Apr 2025 13:38

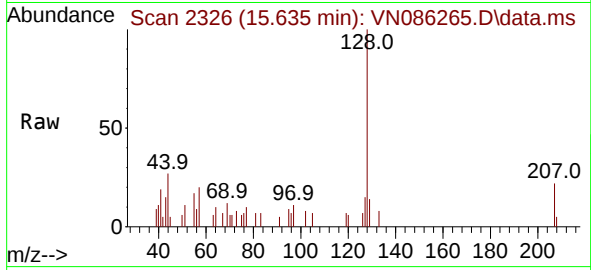
Tgt Ion:119 Resp: 8162
 Ion Ratio Lower Upper
 119 100
 134 26.3 0.0 51.6
 91 26.7 0.0 48.2





#91
Naphthalene
Concen: 0.688 ug/l
RT: 15.635 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN086265.D
Acq: 14 Apr 2025 13:38

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



Tgt Ion:	128	Resp:	6413
Ion	Ratio	Lower	Upper
128	100		
127	9.7	10.2	15.2#
129	11.9	8.8	13.2

