

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
 Data File : VN085135.D
 Acq On : 06 Dec 2024 18:27
 Operator : JC\MD
 Sample : P5139-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Dec 06 23:12:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 06 22:50:42 2024
 Response via : Initial Calibration

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

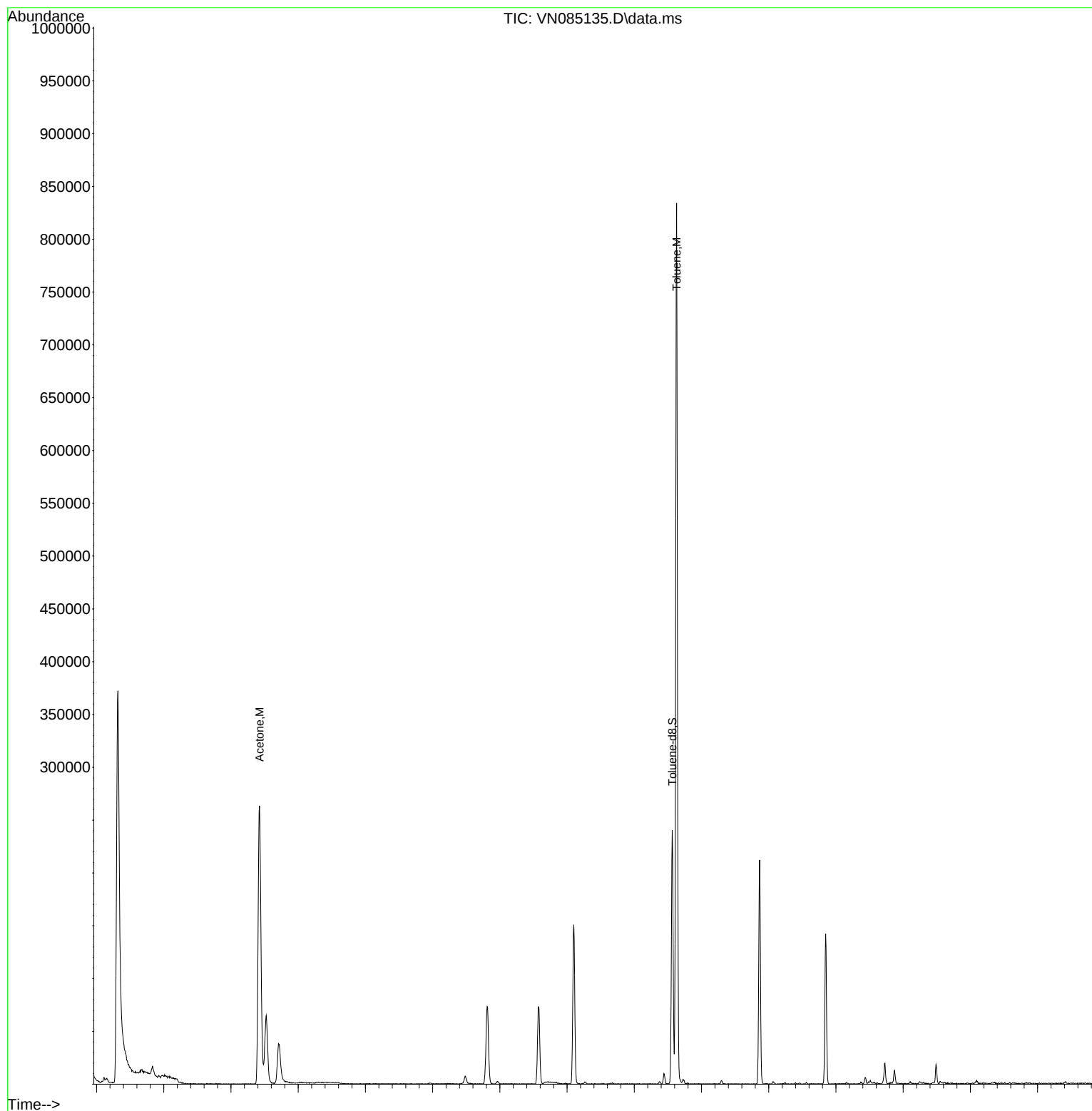
Internal Standards						
1) Bromochloromethane	7.818	128	27342	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	130359	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	123038	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.571	65	64050	29.523	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.400%
60) 4-Bromofluorobenzene	12.847	95	48807	23.974	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	79.900%
63) Toluene-d8	10.565	98	162389	28.136	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	93.800%
Target Compounds						
15) Acetone	4.424	58	157586	712.930	ug/l	96
30) 2-Butanone	7.489	43	12129	12.565	ug/l #	96
58) 4-Methyl-2-Pentanone	10.447	43	6715	3.344	ug/l	95
62) Toluene	10.629	91	624689	87.058	ug/l	100
82) p-Isopropyltoluene	13.729	119	10622	1.807	ug/l	95

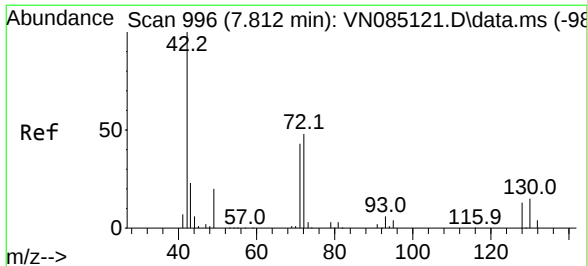
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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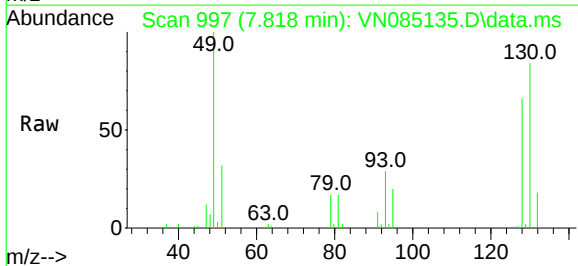
Quant Time: Dec 06 23:12:16 2024
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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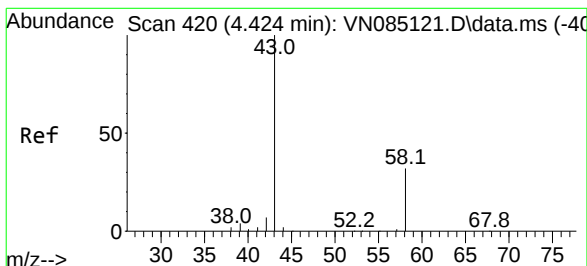
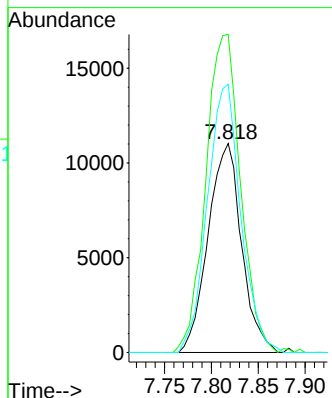
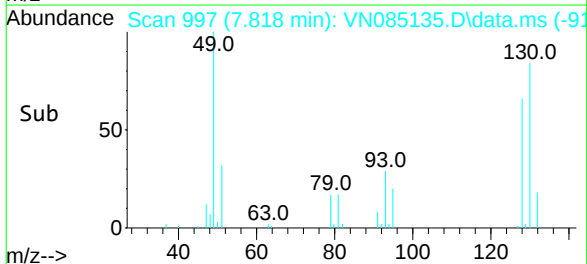


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 99
Delta R.T. 0.006 min
Lab File: VN085135.D
Acq: 06 Dec 2024 18:27

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

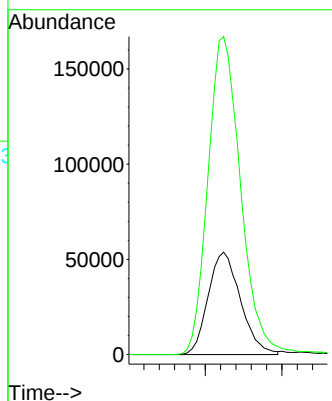
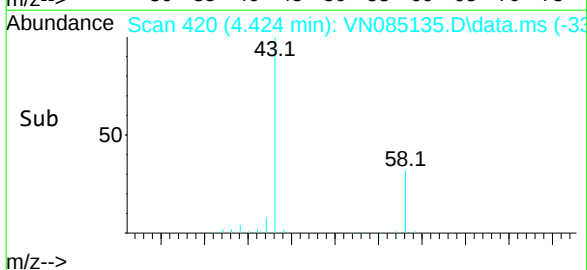
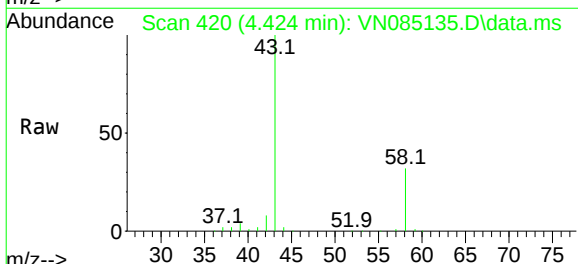


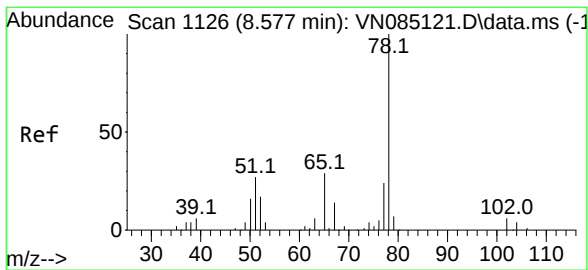
Tgt Ion	Ratio	Lower	Upper
128	100		
49	157.9	0.0	394.5
130	128.5	0.0	316.5



#15
Acetone
Concen: 712.930 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN085135.D
Acq: 06 Dec 2024 18:27

Tgt Ion	Ratio	Lower	Upper
58	100		
43	310.2	242.3	363.5

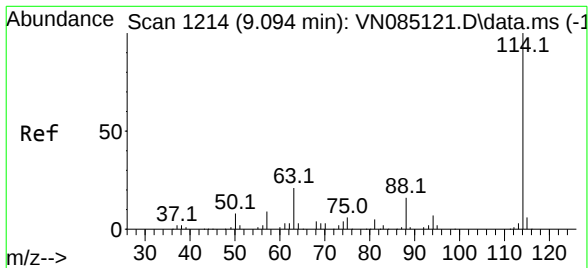
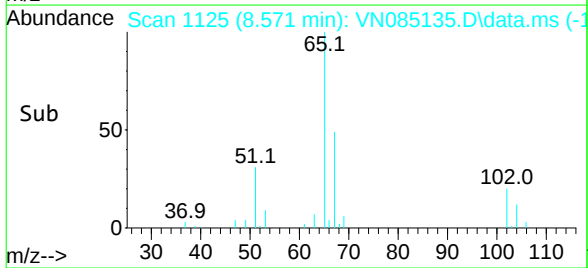
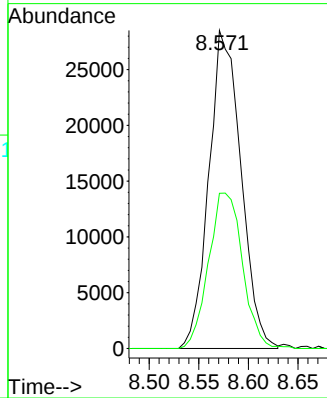
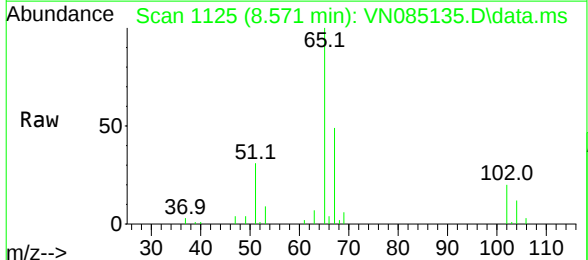




#27
1,2-Dichloroethane-d4
Concen: 29.523 ug/l
RT: 8.571 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN085135.D
Acq: 06 Dec 2024 18:27

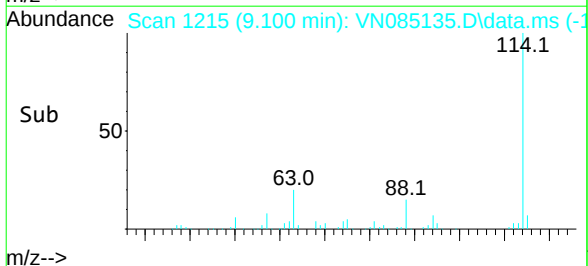
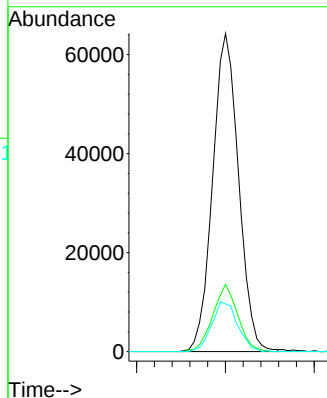
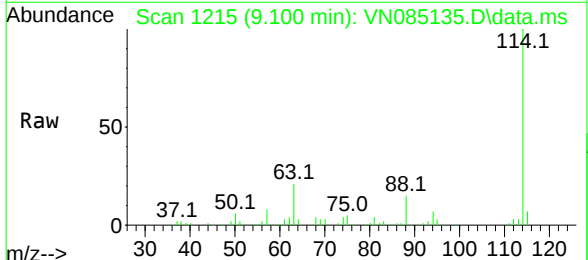
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(DEC)

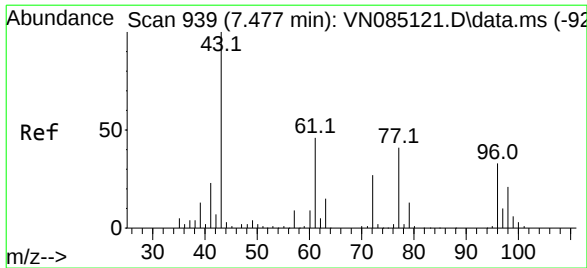
Tgt Ion: 65 Resp: 64050
Ion Ratio Lower Upper
65 100
67 51.5 39.9 59.9



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN085135.D
Acq: 06 Dec 2024 18:27

Tgt Ion: 114 Resp: 130359
Ion Ratio Lower Upper
114 100
63 20.4 16.2 24.2
88 15.7 12.5 18.7

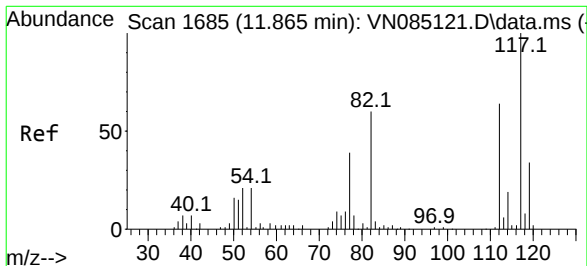
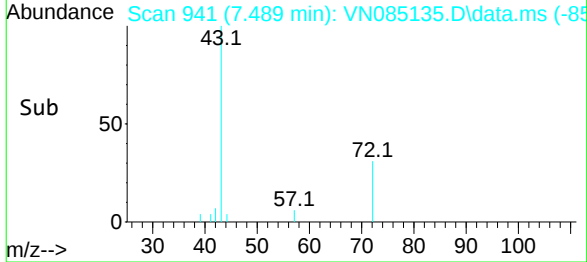
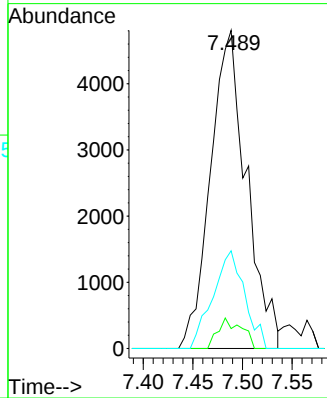
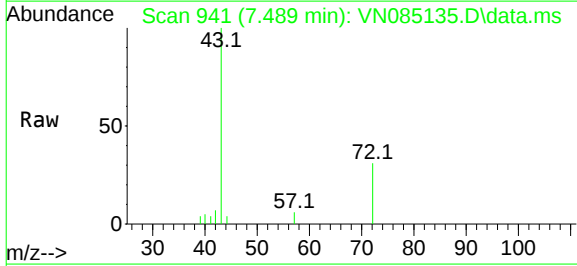




#30
2-Butanone
Concen: 12.565 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085135.D
Acq: 06 Dec 2024 18:27

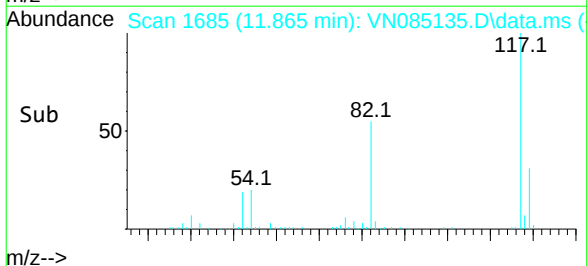
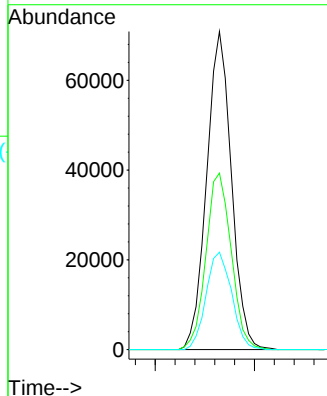
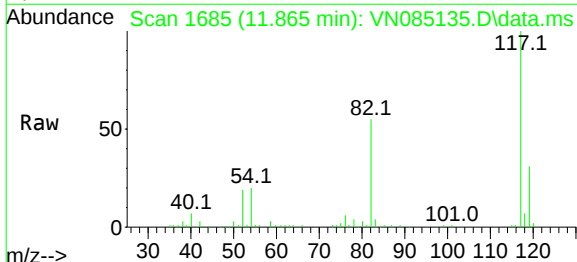
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(DEC)

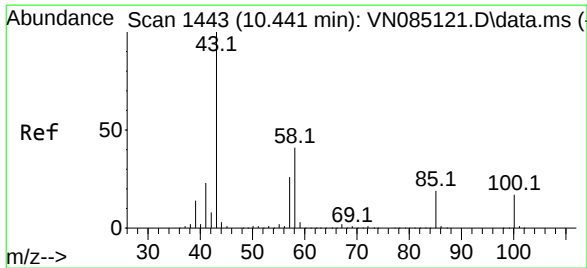
Tgt Ion:	43	Resp:	12129
Ion	Ratio	Lower	Upper
43	100		
57	3.6	6.9	10.3#
72	27.0	21.8	32.8



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN085135.D
Acq: 06 Dec 2024 18:27

Tgt Ion:	117	Resp:	123038
Ion	Ratio	Lower	Upper
117	100		
82	56.6	44.2	66.4
119	31.7	25.4	38.2





#58

4-Methyl-2-Pentanone

Concen: 3.344 ug/l

RT: 10.447 min Scan# 1443

Delta R.T. 0.006 min

Lab File: VN085135.D

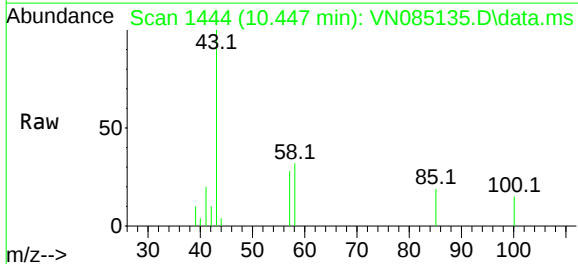
Acq: 06 Dec 2024 18:27

Instrument :

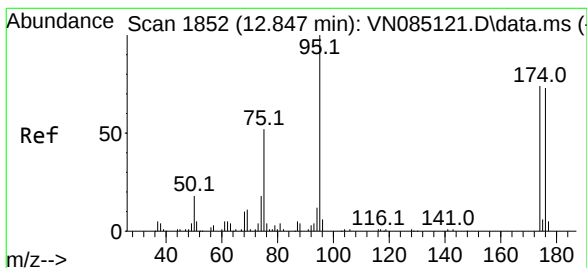
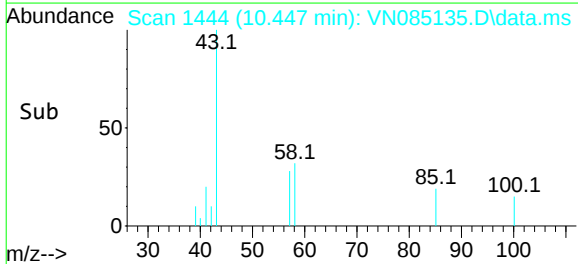
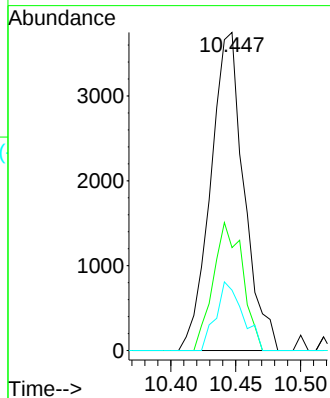
MSVOA_N

ClientSampleId :

001-WILLETS-PT-BLVD(DEC)



Tgt Ion:	43	Resp:	6715
Ion	Ratio	Lower	Upper
43	100		
58	35.6	31.6	47.4
85	17.2	15.0	22.6



#60

4-Bromofluorobenzene

Concen: 23.974 ug/l

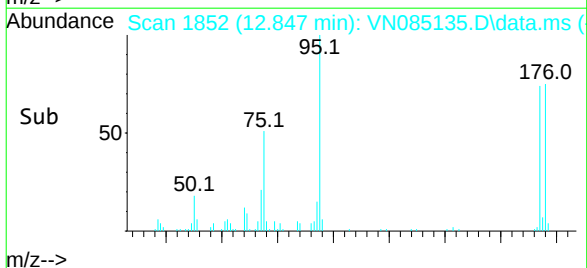
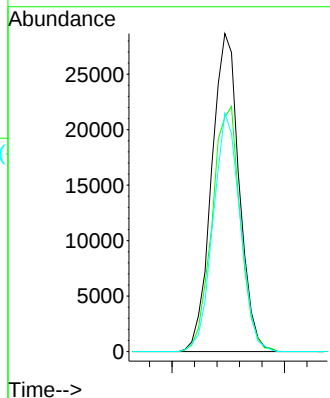
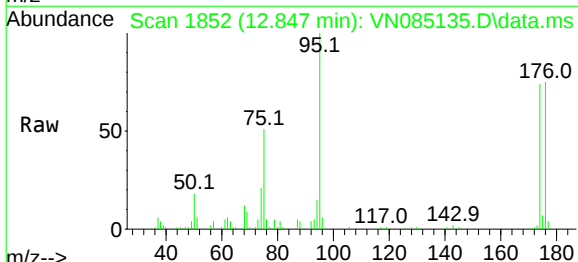
RT: 12.847 min Scan# 1852

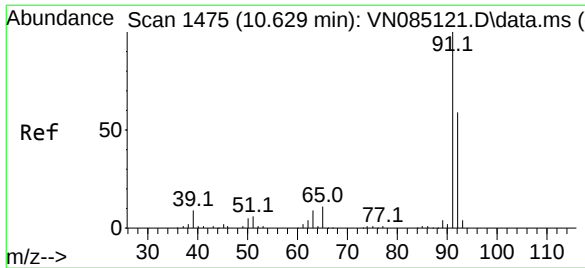
Delta R.T. 0.000 min

Lab File: VN085135.D

Acq: 06 Dec 2024 18:27

Tgt Ion:	95	Resp:	48807
Ion	Ratio	Lower	Upper
95	100		
174	78.8	60.3	90.5
176	73.8	57.4	86.0





#62

Toluene

Concen: 87.058 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VN085135.D

Acq: 06 Dec 2024 18:27

Instrument :

MSVOA_N

ClientSampleId :

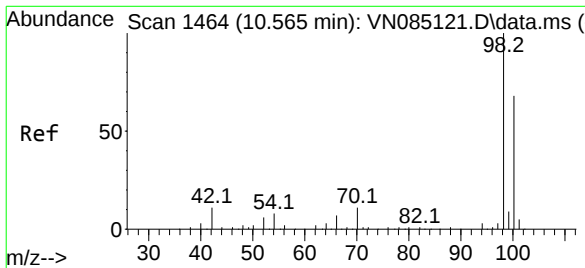
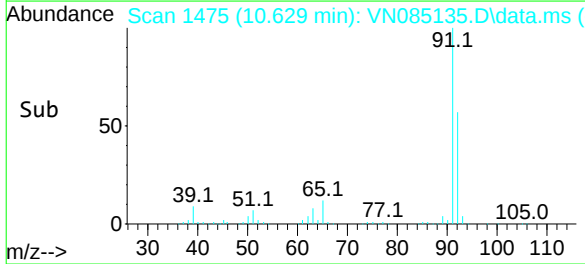
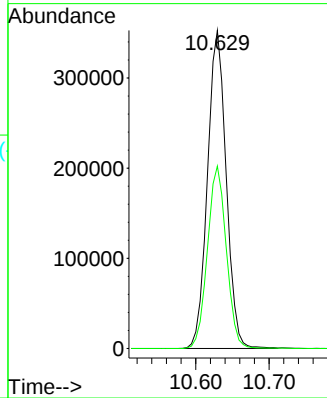
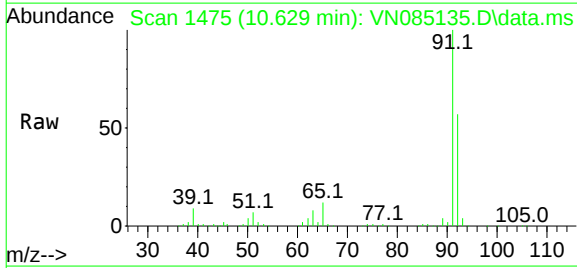
001-WILLETS-PT-BLVD(DEC)

Tgt Ion: 91 Resp: 624689

Ion Ratio Lower Upper

91 100

92 57.7 46.5 69.7



#63

Toluene-d8

Concen: 28.136 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN085135.D

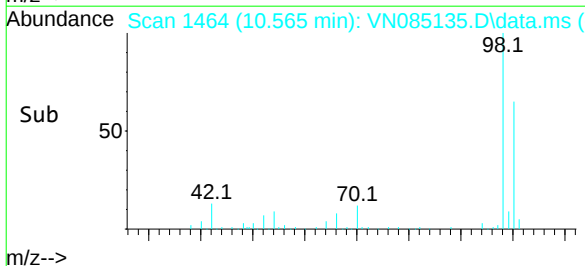
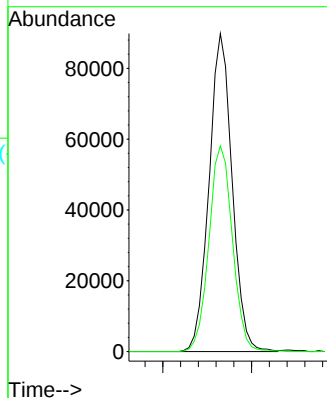
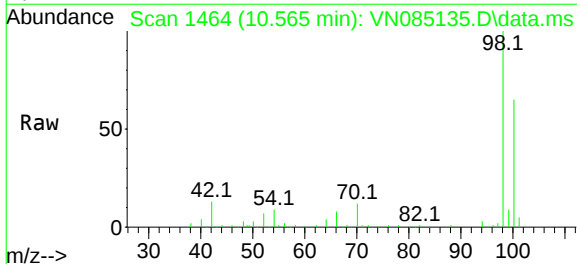
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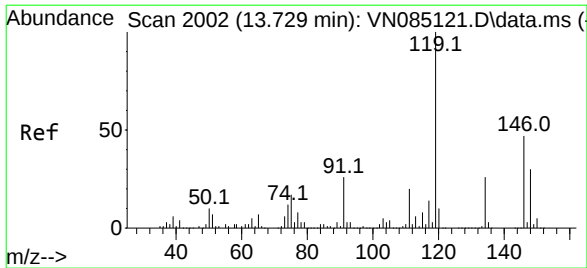
Tgt Ion: 98 Resp: 162389

Ion Ratio Lower Upper

98 100

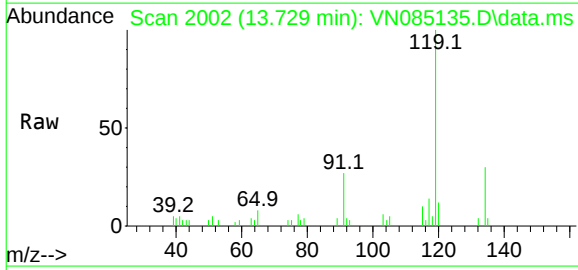
100 65.9 52.0 78.0





#82
 p-Isopropyltoluene
 Concen: 1.807 ug/l
 RT: 13.729 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN085135.D
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Tgt Ion:	119	Resp:	10622
Ion	Ratio	Lower	Upper
119	100		
134	28.4	0.0	51.6
91	27.4	0.0	50.4

