

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080624\
 Data File : VX042871.D
 Acq On : 06 Aug 2024 15:09
 Operator : JC/MD
 Sample : P3446-01DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 001-WILLETS-PT-BLVD(JUNE)DL

Quant Time: Aug 07 05:00:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 07 04:53:59 2024
 Response via : Initial Calibration

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

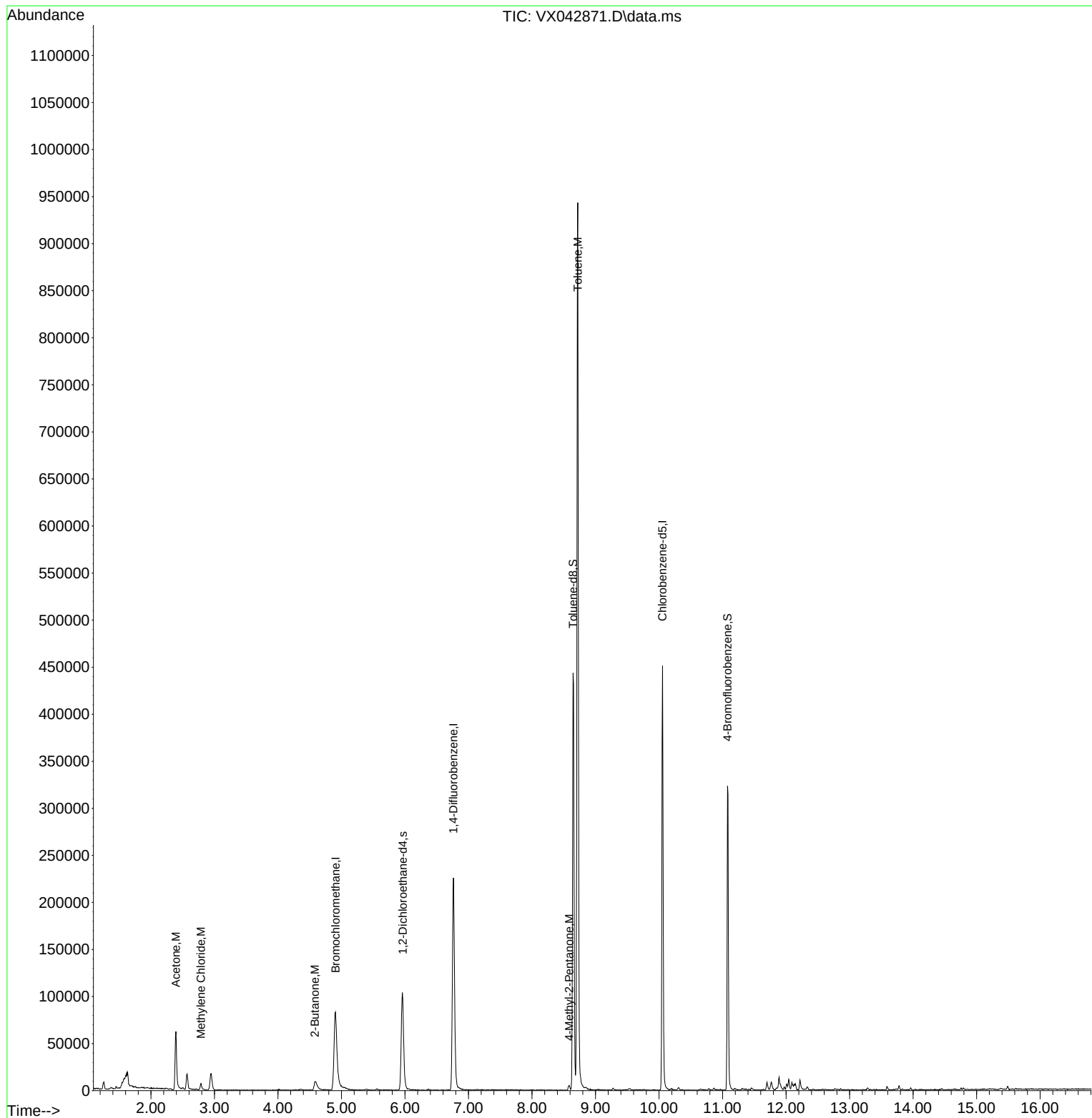
Internal Standards						
1) Bromochloromethane	4.910	128	40033	30.000	ug/l	0.01
28) 1,4-Difluorobenzene	6.763	114	228557	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	202542	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	102554	27.742	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	92.467%
60) 4-Bromofluorobenzene	11.079	95	89777	27.169	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	90.567%
63) Toluene-d8	8.647	98	282512	30.879	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.933%
Target Compounds						
					Qvalue	
15) Acetone	2.392	58	21623	41.896	ug/l	84
18) Methylene Chloride	2.788	84	3236	1.165	ug/l	97
30) 2-Butanone	4.580	43	14406	6.642	ug/l #	74
58) 4-Methyl-2-Pentanone	8.586	43	3426	0.898	ug/l #	86
62) Toluene	8.720	91	638076	64.321	ug/l	99

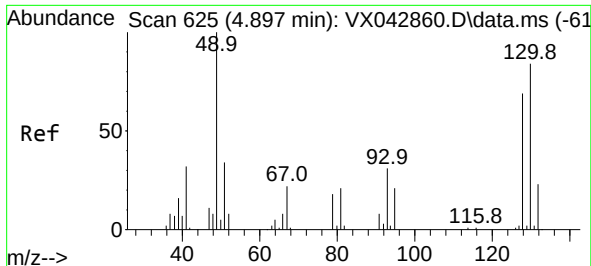
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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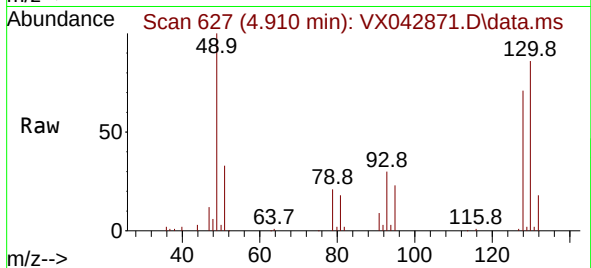
Quant Time: Aug 07 05:00:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080624W.M
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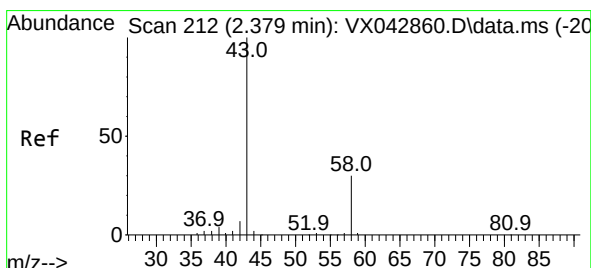
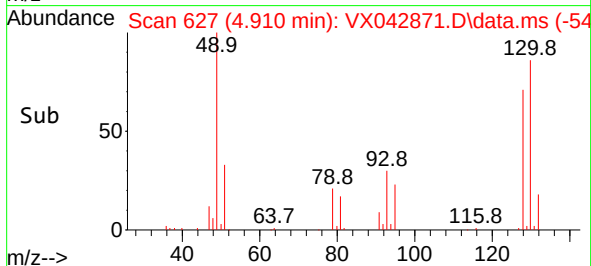
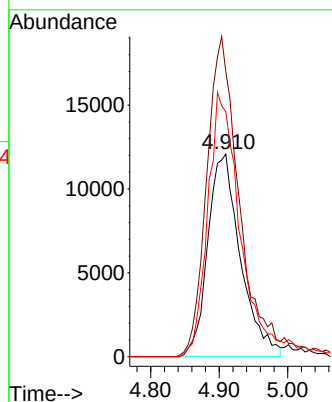


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.910 min Scan# 61
Delta R.T. 0.013 min
Lab File: VX042871.D
Acq: 06 Aug 2024 15:09

Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)DL

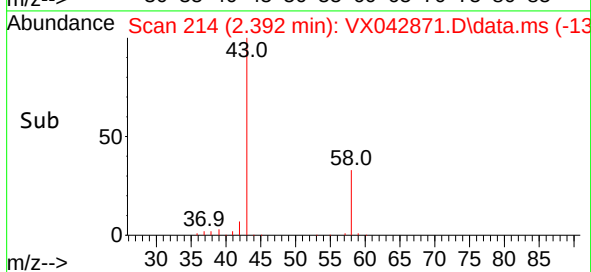
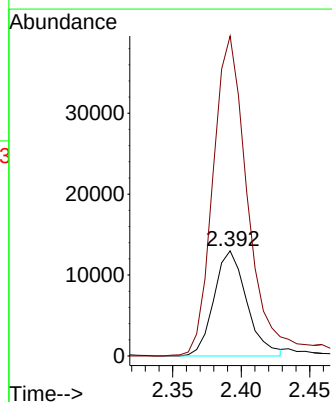
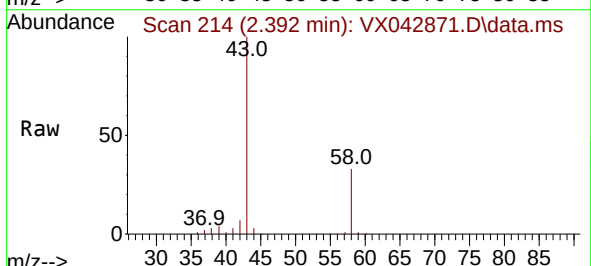


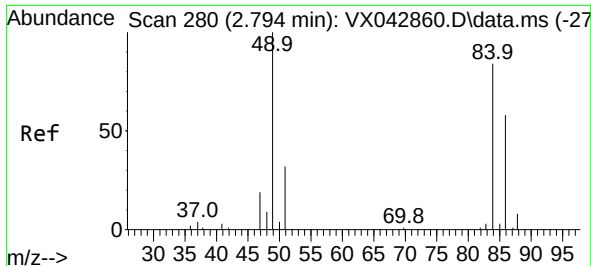
Tgt Ion:128 Resp: 40033
Ion Ratio Lower Upper
128 100
49 156.3 0.0 400.5
130 128.2 0.0 333.0



#15
Acetone
Concen: 41.896 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.013 min
Lab File: VX042871.D
Acq: 06 Aug 2024 15:09

Tgt Ion: 58 Resp: 21623
Ion Ratio Lower Upper
58 100
43 303.2 269.9 404.9



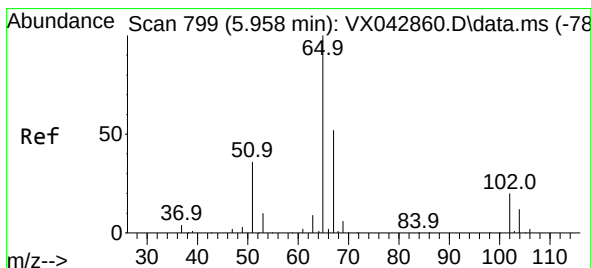
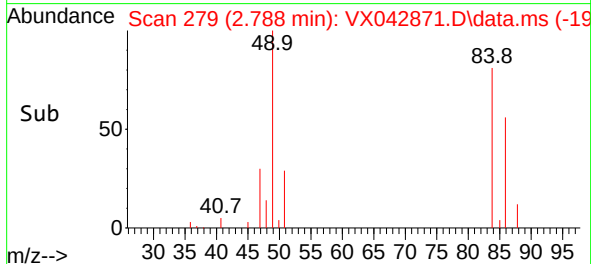
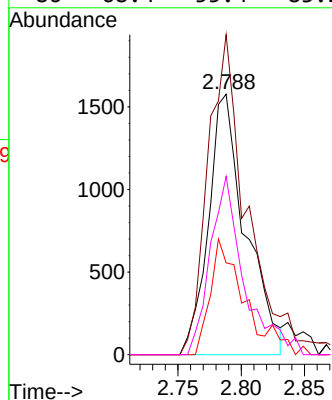
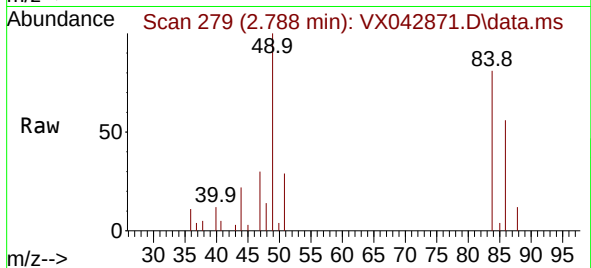


#18
Methylene Chloride
Concen: 1.165 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX042871.D
Acq: 06 Aug 2024 15:09

Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)DL

Tgt Ion: 84 Resp: 3236

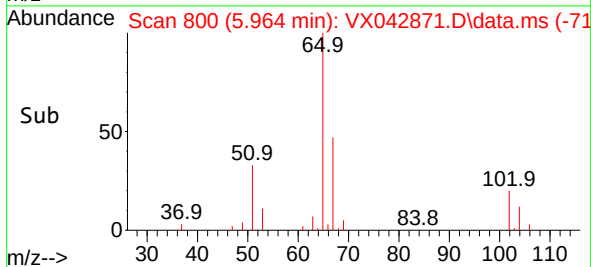
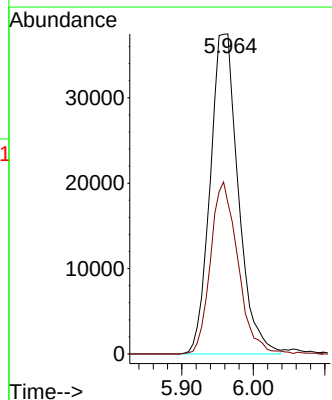
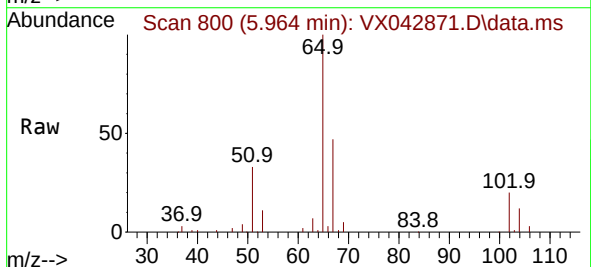
Ion	Ratio	Lower	Upper
84	100		
49	122.8	95.0	142.6
51	35.3	30.1	45.1
86	68.4	55.4	83.2

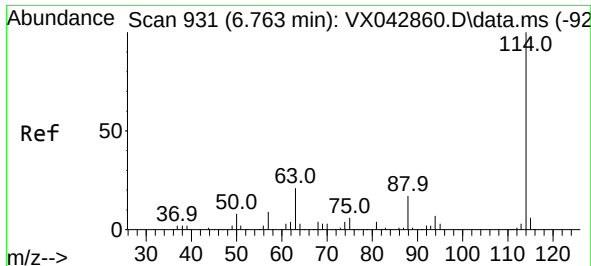


#27
1,2-Dichloroethane-d4
Concen: 27.742 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX042871.D
Acq: 06 Aug 2024 15:09

Tgt Ion: 65 Resp: 102554

Ion	Ratio	Lower	Upper
65	100		
67	52.1	40.6	60.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX042871.D

Acq: 06 Aug 2024 15:09

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(JUNE)DL

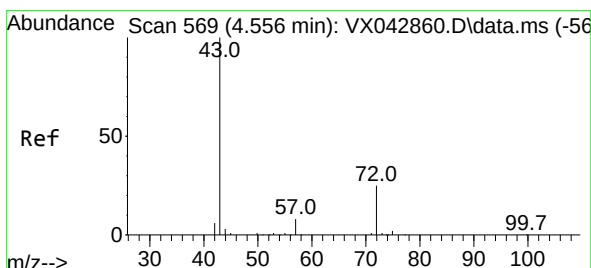
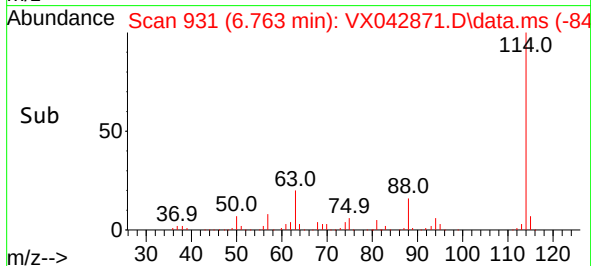
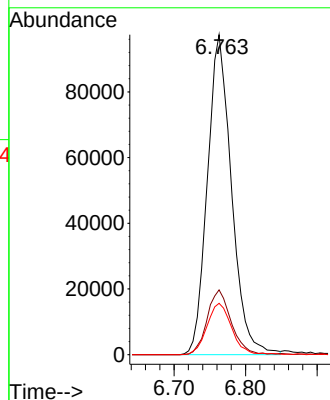
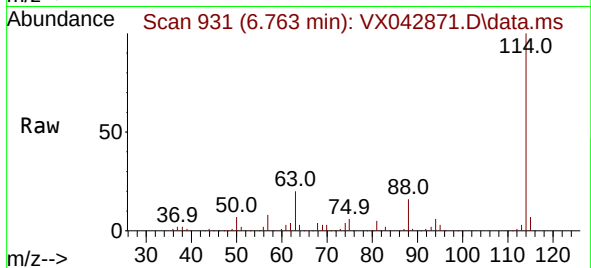
Tgt Ion:114 Resp: 228557

Ion Ratio Lower Upper

114 100

63 20.2 16.0 24.0

88 16.2 12.5 18.7



#30

2-Butanone

Concen: 6.642 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.025 min

Lab File: VX042871.D

Acq: 06 Aug 2024 15:09

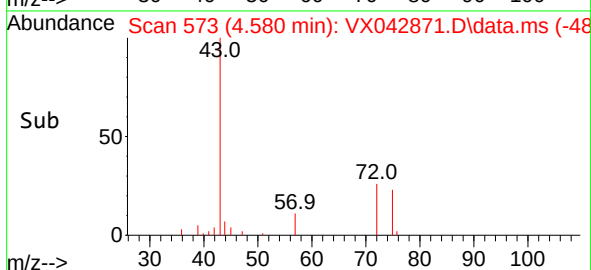
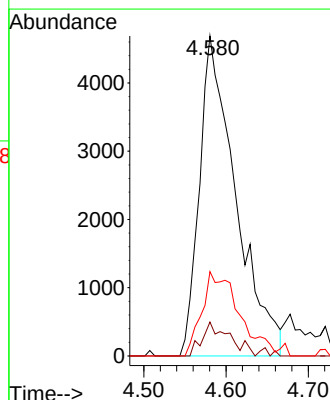
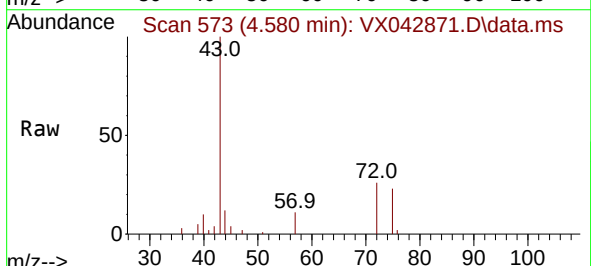
Tgt Ion: 43 Resp: 14406

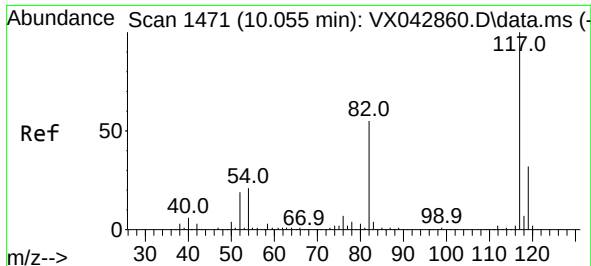
Ion Ratio Lower Upper

43 100

57 3.8 6.6 10.0#

72 10.7 21.0 31.4#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX042871.D

Acq: 06 Aug 2024 15:09

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(JUNE)DL

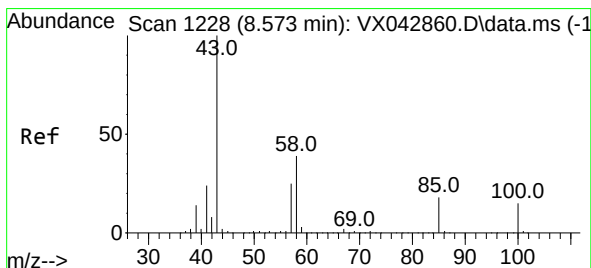
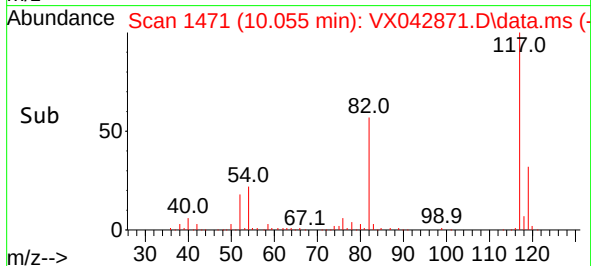
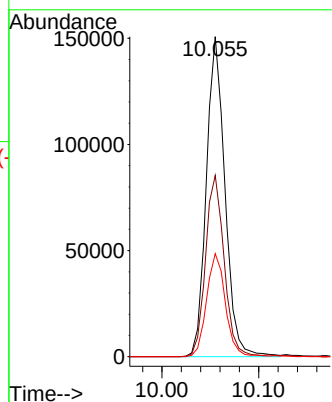
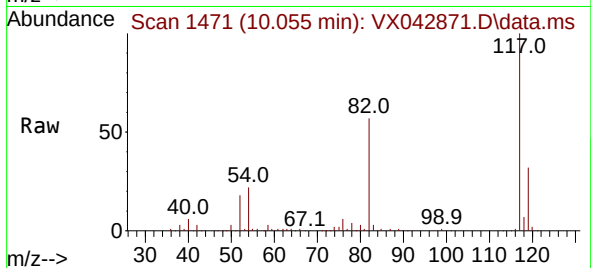
Tgt Ion:117 Resp: 202542

Ion Ratio Lower Upper

117 100

82 56.6 44.9 67.3

119 32.5 25.4 38.2



#58

4-Methyl-2-Pentanone

Concen: 0.898 ug/l

RT: 8.586 min Scan# 1230

Delta R.T. 0.013 min

Lab File: VX042871.D

Acq: 06 Aug 2024 15:09

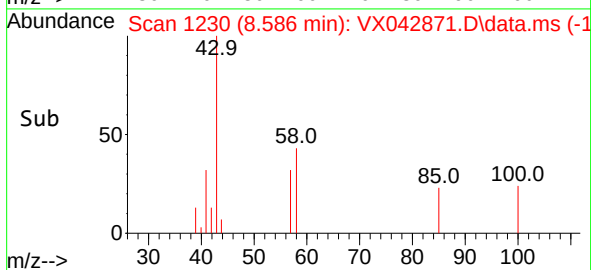
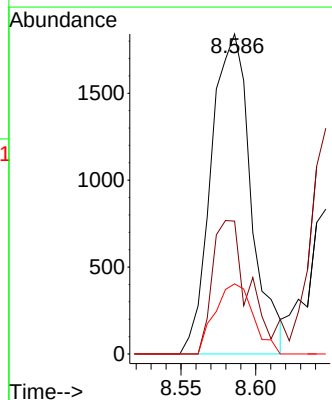
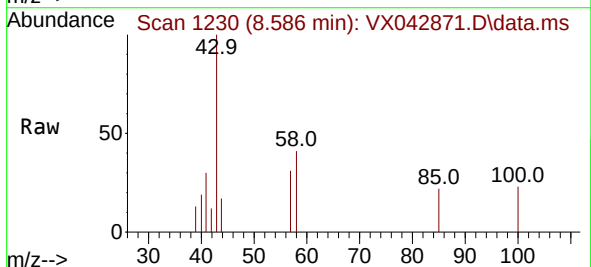
Tgt Ion: 43 Resp: 3426

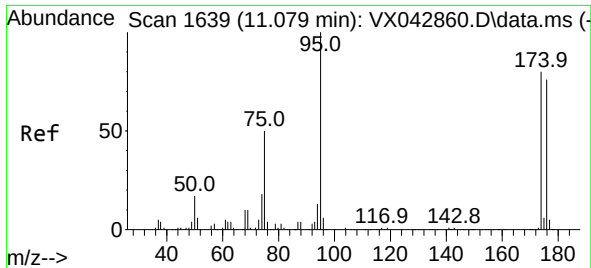
Ion Ratio Lower Upper

43 100

58 28.8 31.4 47.0#

85 20.9 14.6 21.8

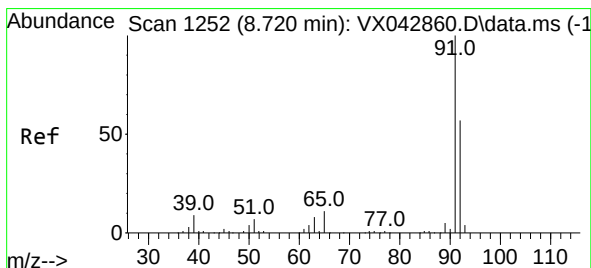
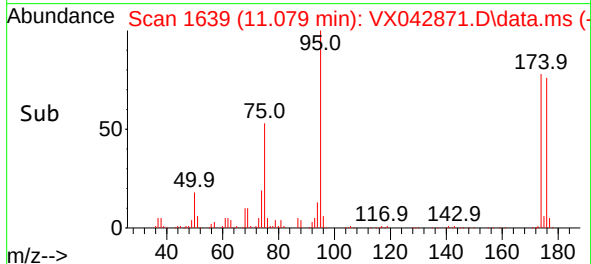
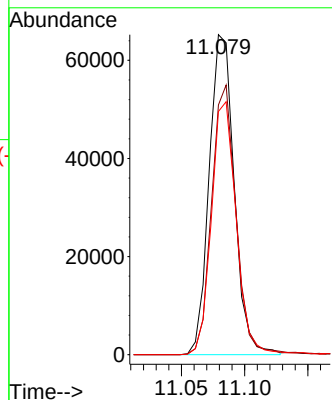
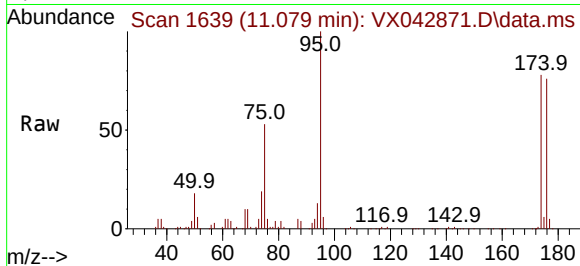




#60
4-Bromofluorobenzene
Concen: 27.169 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042871.D
Acq: 06 Aug 2024 15:09

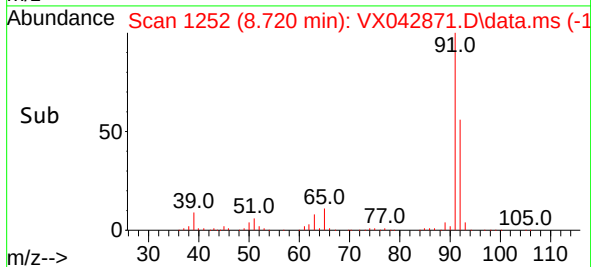
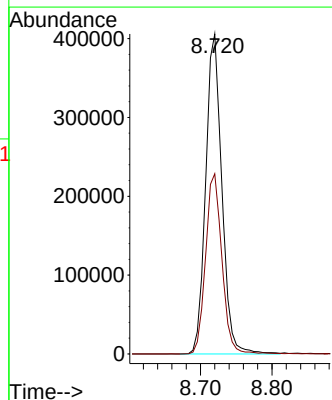
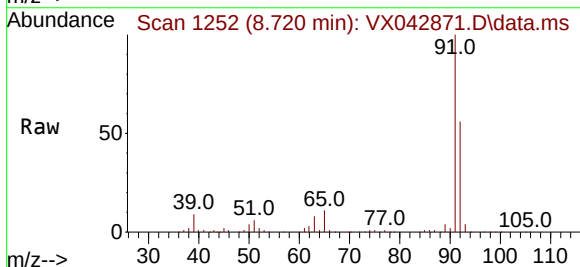
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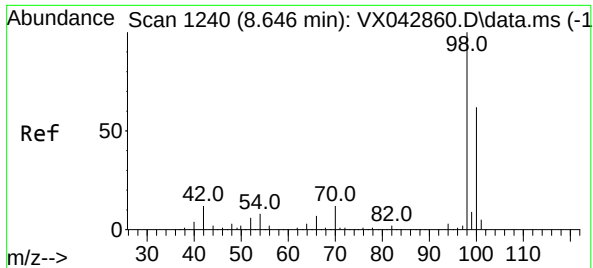
Tgt Ion: 95 Resp: 89777
Ion Ratio Lower Upper
95 100
174 82.3 65.0 97.6
176 78.4 63.4 95.0



#62
Toluene
Concen: 64.321 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX042871.D
Acq: 06 Aug 2024 15:09

Tgt Ion: 91 Resp: 638076
Ion Ratio Lower Upper
91 100
92 56.5 45.7 68.5





#63
 Toluene-d8
 Concen: 30.879 ug/l
 RT: 8.647 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX042871.D
 Acq: 06 Aug 2024 15:09

Instrument :
 MSVOA_X
 ClientSampleId :
 001-WILLETS-PT-BLVD(JUNE)DL

Tgt Ion: 98 Resp: 282512

Ion	Ratio	Lower	Upper
98	100		
100	62.6	50.9	76.3

