

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061523\
 Data File : VX036167.D
 Acq On : 15 Jun 2023 14:18
 Operator : JC/MD
 Sample : 03218-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Jun 16 07:54:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X052323W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 23 11:36:37 2023
 Response via : Initial Calibration

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

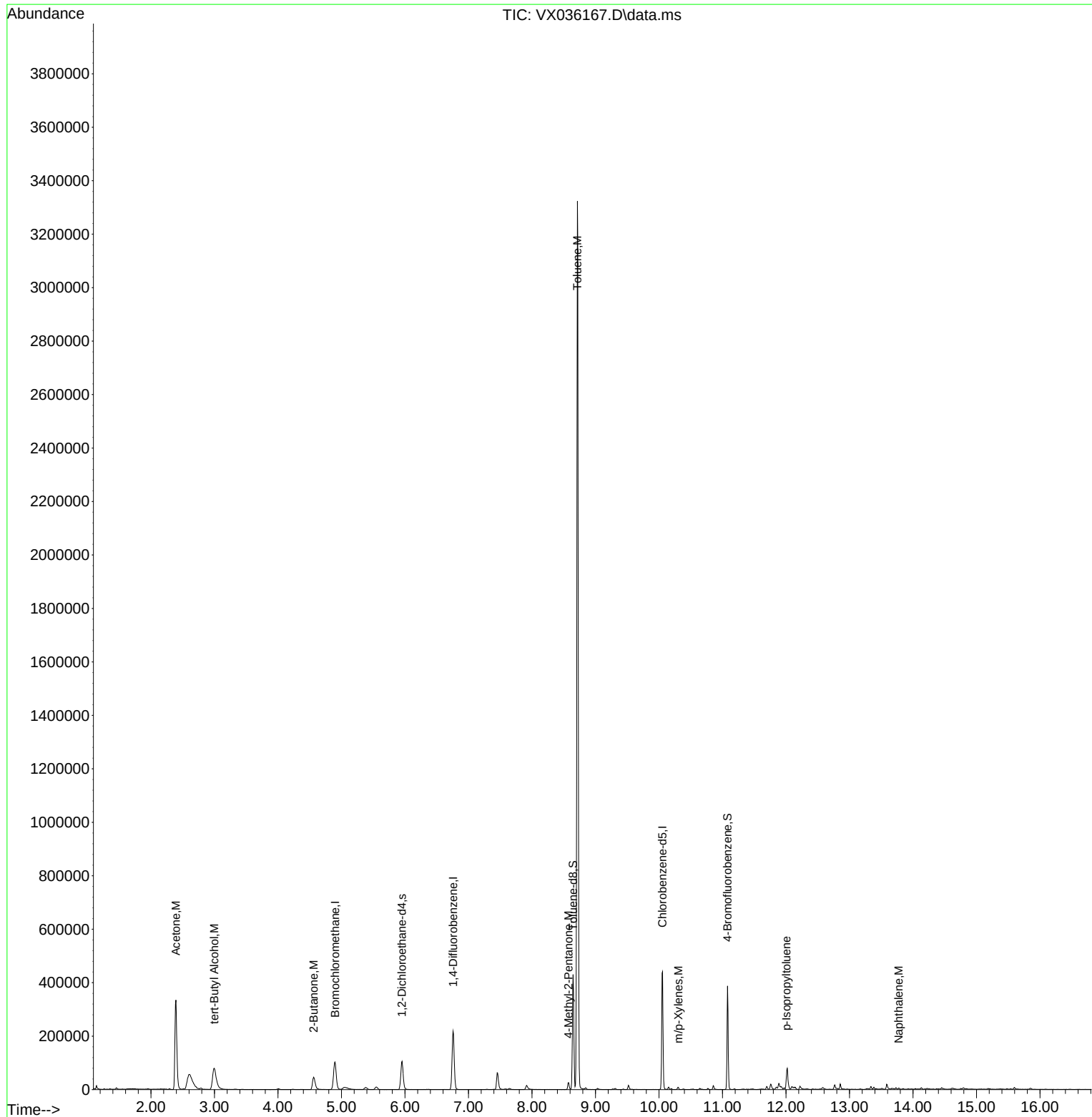
Internal Standards						
1) Bromochloromethane	4.898	128	40309	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	206103	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	191579	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	105559	31.517	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.067%
60) 4-Bromofluorobenzene	11.079	95	100005	31.109	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	103.700%
63) Toluene-d8	8.647	98	241759	28.545	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	95.167%
Target Compounds						
					Qvalue	
15) Acetone	2.392	58	124727	291.341	ug/l	90
23) tert-Butyl Alcohol	2.995	59	170910	327.125	ug/l #	100
30) 2-Butanone	4.562	43	87624	46.639	ug/l	96
58) 4-Methyl-2-Pentanone	8.574	43	16322	4.386	ug/l	100
62) Toluene	8.714	91	2003873	203.112	ug/l	98
67) m/p-Xylenes	10.305	106	1853	0.444	ug/l	86
82) p-Isopropyltoluene	12.006	119	17569	1.913	ug/l	97
91) Naphthalene	13.774	128	2643	0.265	ug/l	98

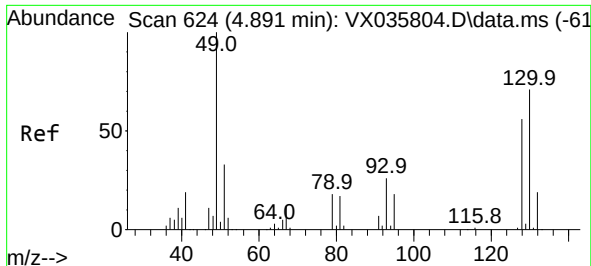
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061523\
Data File : VX036167.D
Acq On : 15 Jun 2023 14:18
Operator : JC/MD
Sample : 03218-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Jun 16 07:54:27 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X052323W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue May 23 11:36:37 2023
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.898 min Scan# 61

Delta R.T. 0.007 min

Lab File: VX036167.D

Acq: 15 Jun 2023 14:18

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(JUNE)

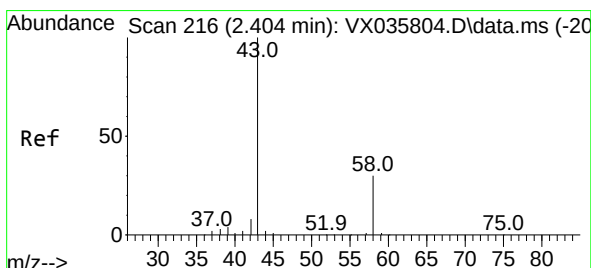
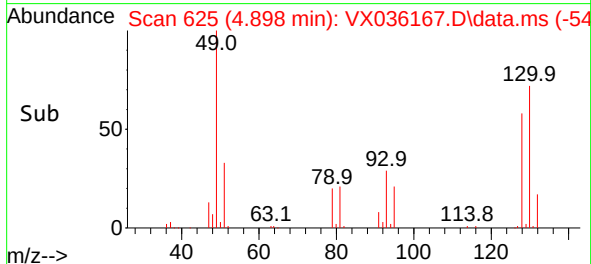
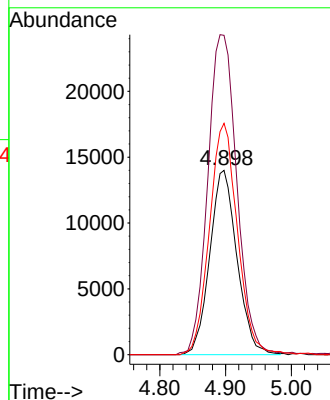
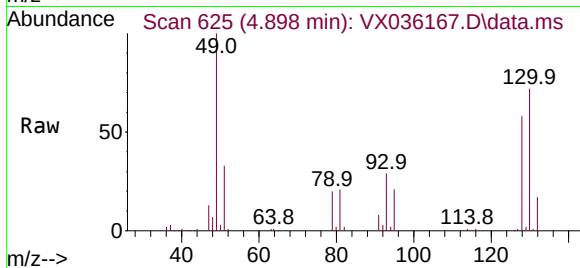
Tgt Ion:128 Resp: 40309

Ion Ratio Lower Upper

128 100

49 185.6 0.0 428.8

130 128.8 0.0 310.8



#15

Acetone

Concen: 291.341 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.012 min

Lab File: VX036167.D

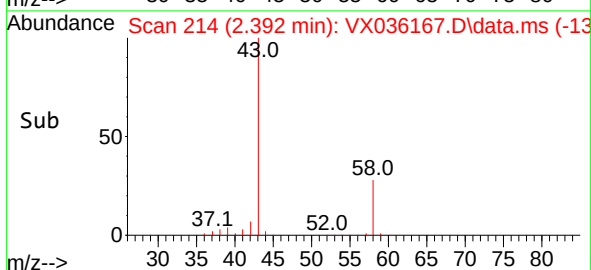
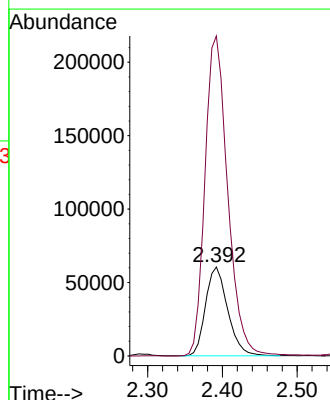
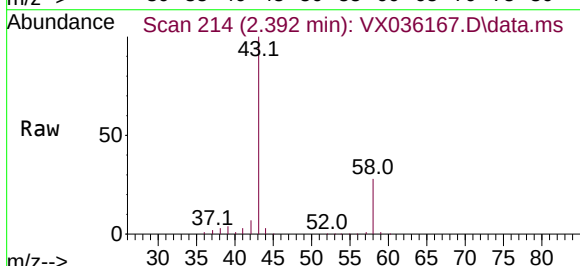
Acq: 15 Jun 2023 14:18

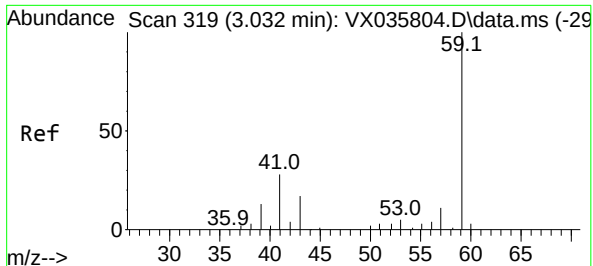
Tgt Ion: 58 Resp: 124727

Ion Ratio Lower Upper

58 100

43 360.2 270.8 406.2

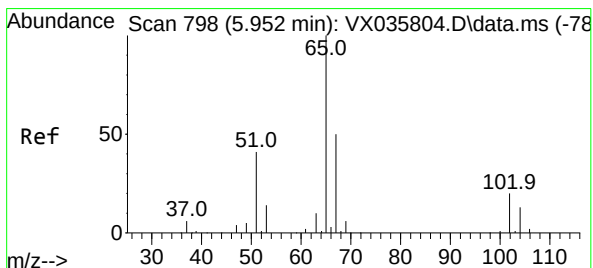
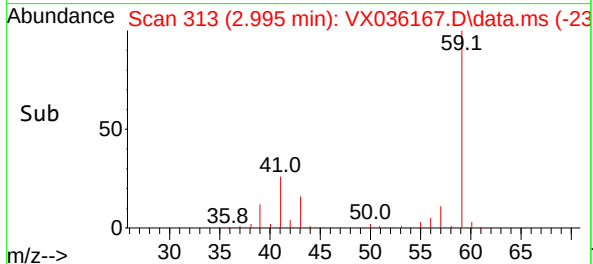
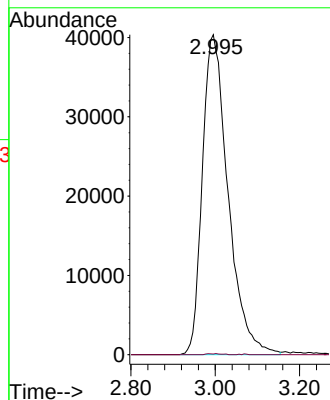
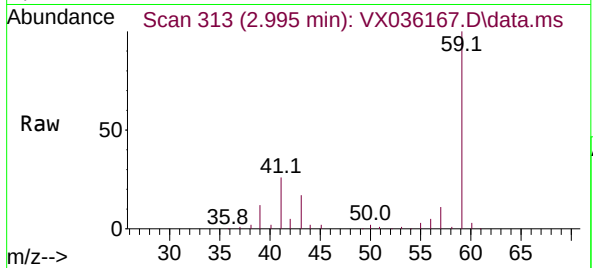




#23
tert-Butyl Alcohol
Concen: 327.125 ug/l
RT: 2.995 min Scan# 319
Delta R.T. -0.036 min
Lab File: VX036167.D
Acq: 15 Jun 2023 14:18

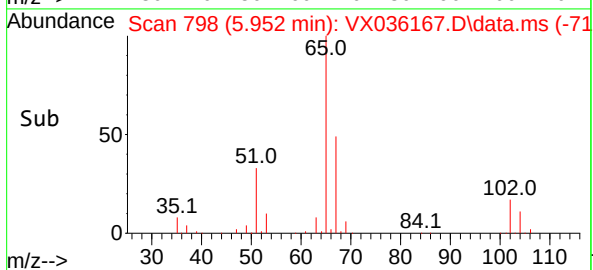
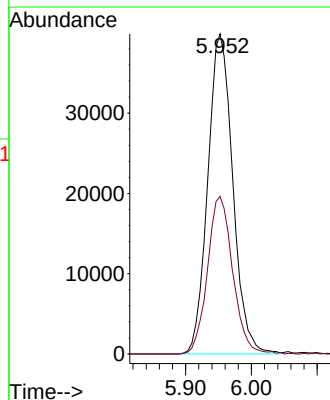
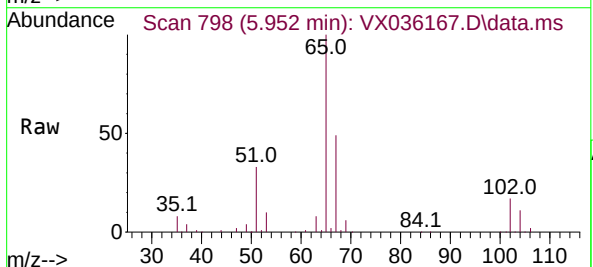
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)

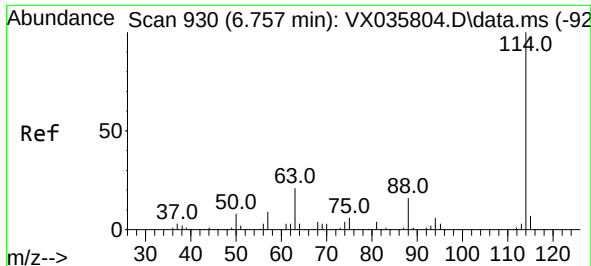
Tgt Ion: 59 Resp: 170910
Ion Ratio Lower Upper
59 100
52 0.1 0.2 0.4#



#27
1,2-Dichloroethane-d4
Concen: 31.517 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX036167.D
Acq: 15 Jun 2023 14:18

Tgt Ion: 65 Resp: 105559
Ion Ratio Lower Upper
65 100
67 49.4 40.9 61.3

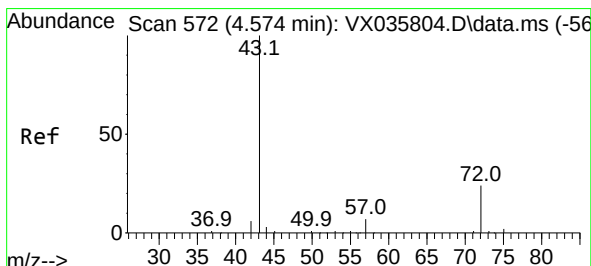
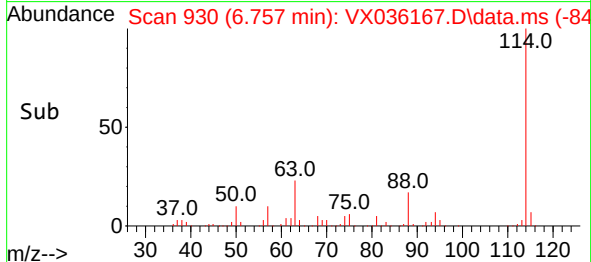
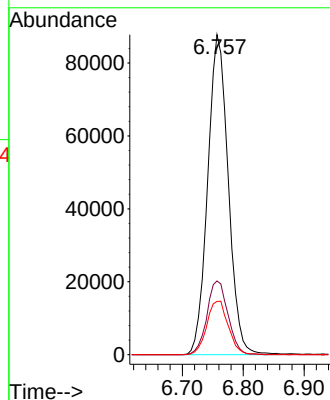
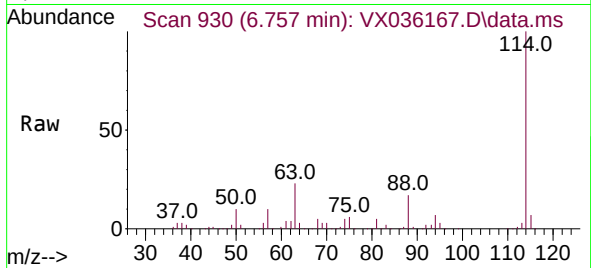




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.757 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VX036167.D
 Acq: 15 Jun 2023 14:18

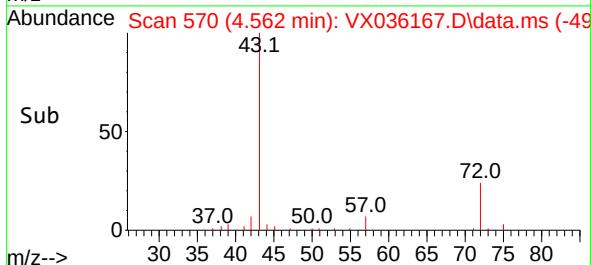
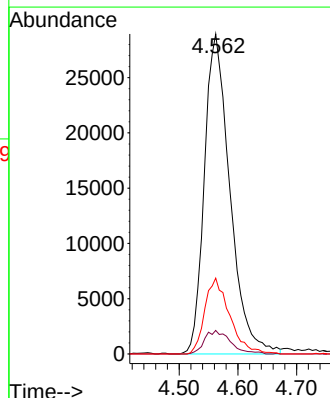
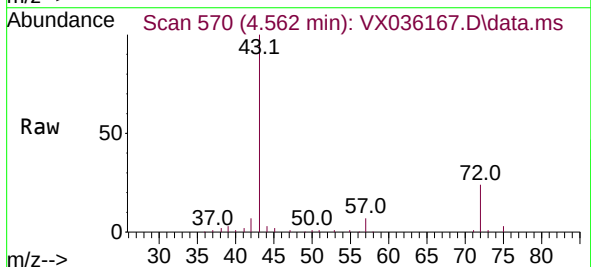
Instrument :
 MSVOA_X
 ClientSampleId :
 001-WILLETS-PT-BLVD(JUNE)

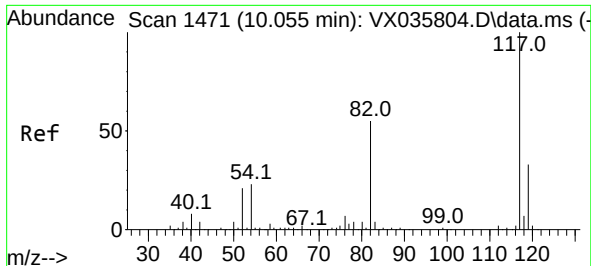
Tgt Ion:114 Resp: 206103
 Ion Ratio Lower Upper
 114 100
 63 23.5 18.0 27.0
 88 17.4 13.3 19.9



#30
 2-Butanone
 Concen: 46.639 ug/l
 RT: 4.562 min Scan# 570
 Delta R.T. -0.012 min
 Lab File: VX036167.D
 Acq: 15 Jun 2023 14:18

Tgt Ion: 43 Resp: 87624
 Ion Ratio Lower Upper
 43 100
 57 7.4 6.3 9.5
 72 22.4 19.6 29.4





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX036167.D

Acq: 15 Jun 2023 14:18

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(JUNE)

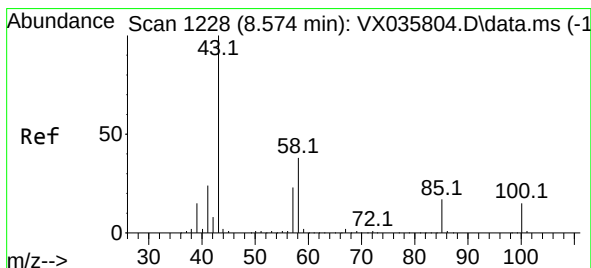
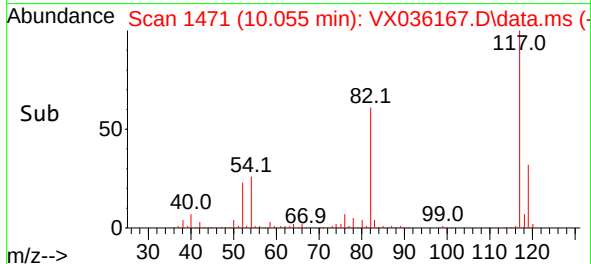
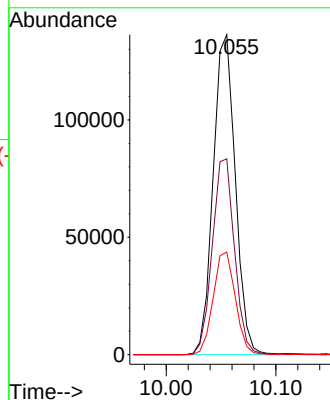
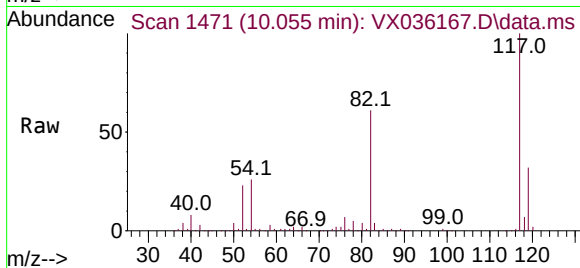
Tgt Ion:117 Resp: 191579

Ion Ratio Lower Upper

117 100

82 61.3 45.8 68.8

119 32.1 25.4 38.0



#58

4-Methyl-2-Pentanone

Concen: 4.386 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VX036167.D

Acq: 15 Jun 2023 14:18

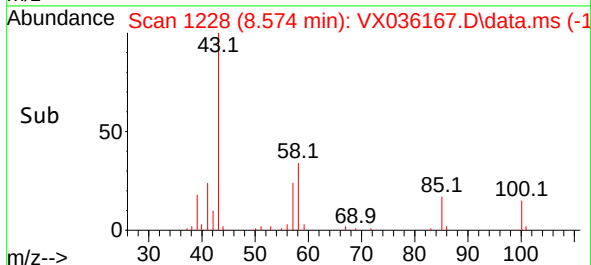
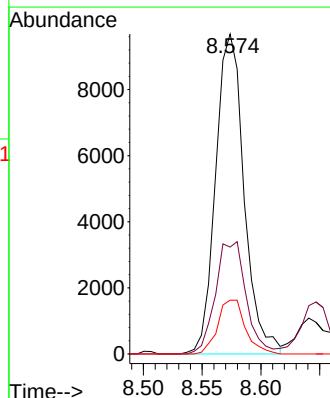
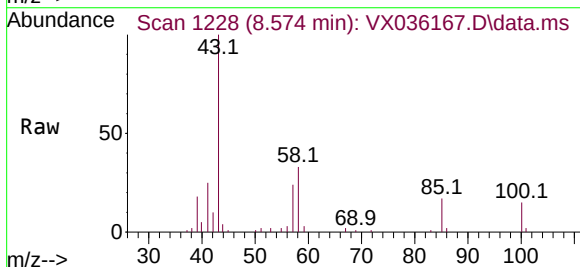
Tgt Ion: 43 Resp: 16322

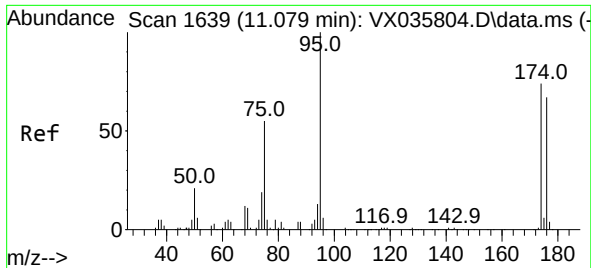
Ion Ratio Lower Upper

43 100

58 37.6 29.9 44.9

85 16.4 13.2 19.8

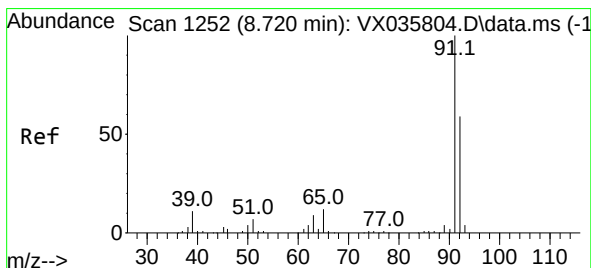
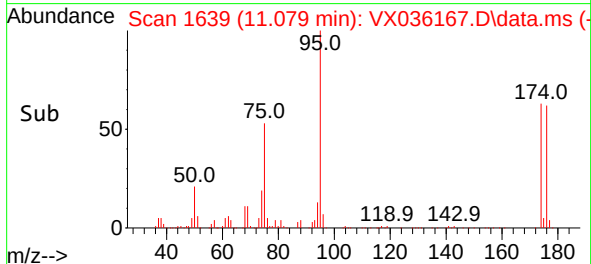
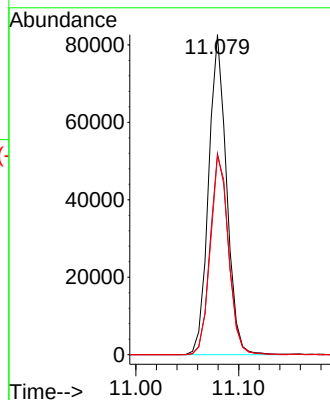
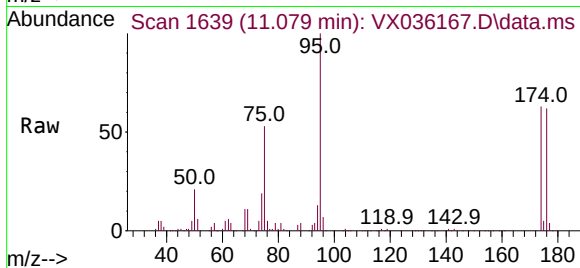




#60
4-Bromofluorobenzene
Concen: 31.109 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036167.D
Acq: 15 Jun 2023 14:18

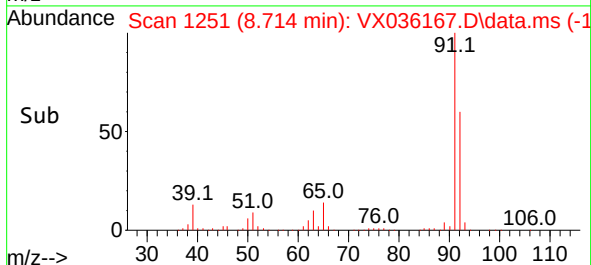
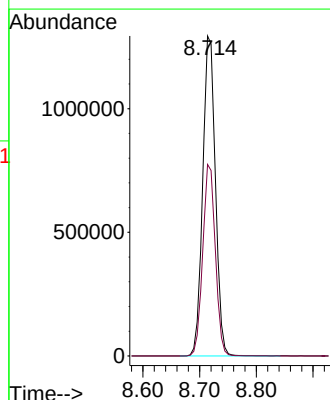
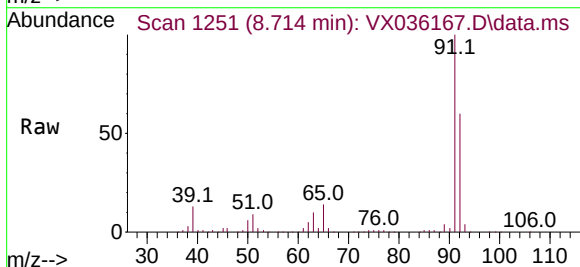
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)

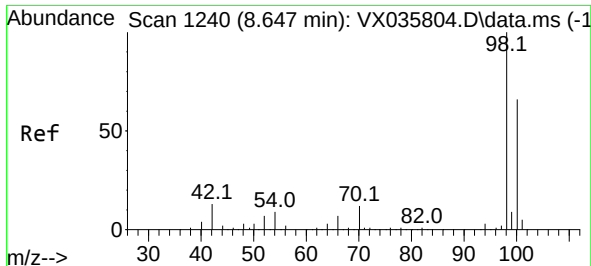
Tgt Ion: 95 Resp: 100005
Ion Ratio Lower Upper
95 100
174 64.1 0.2 0.4#
176 63.2 0.2 0.2#



#62
Toluene
Concen: 203.112 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.006 min
Lab File: VX036167.D
Acq: 15 Jun 2023 14:18

Tgt Ion: 91 Resp: 2003873
Ion Ratio Lower Upper
91 100
92 59.5 46.5 69.7

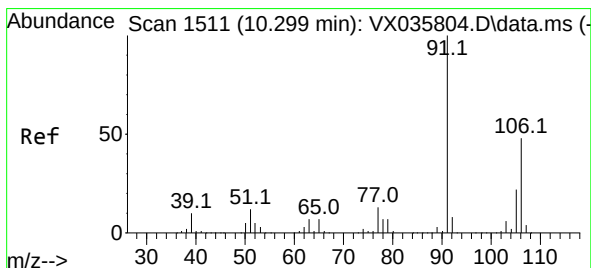
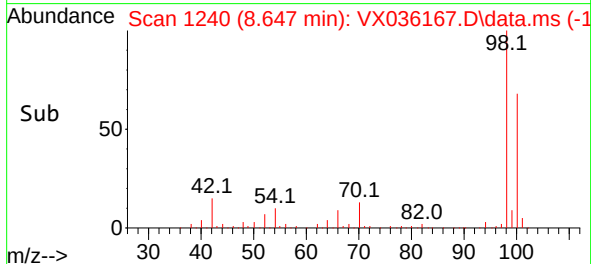
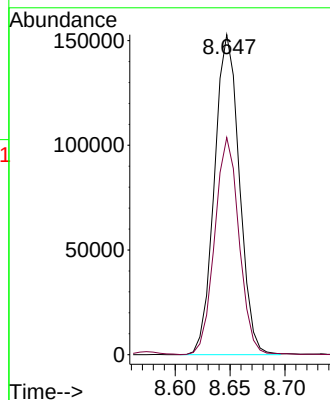
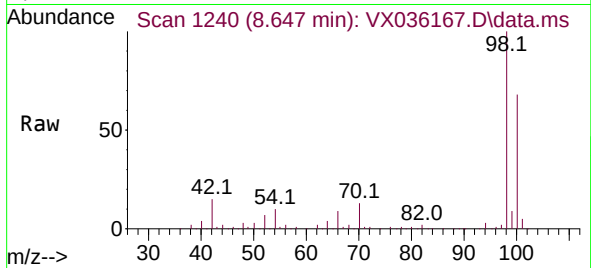




#63
Toluene-d8
Concen: 28.545 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036167.D
Acq: 15 Jun 2023 14:18

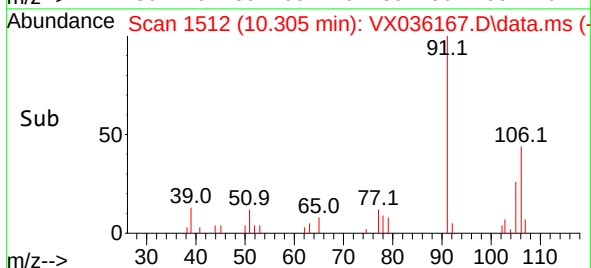
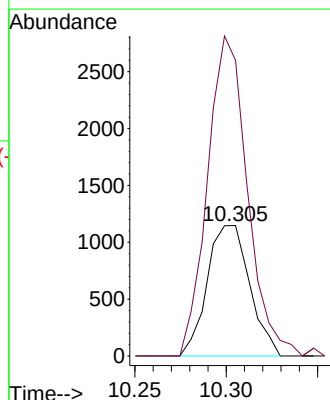
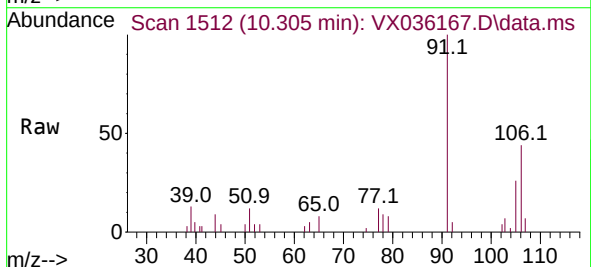
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)

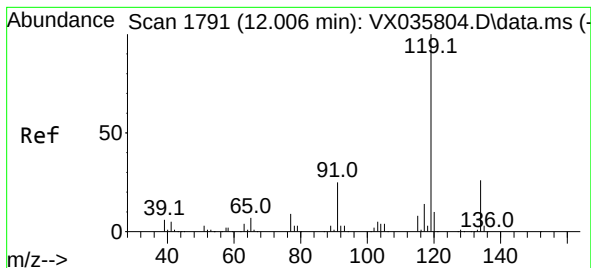
Tgt Ion: 98 Resp: 241759
Ion Ratio Lower Upper
98 100
100 66.3 52.1 78.1



#67
m/p-Xylenes
Concen: 0.444 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX036167.D
Acq: 15 Jun 2023 14:18

Tgt Ion: 106 Resp: 1853
Ion Ratio Lower Upper
106 100
91 230.8 167.4 251.2





#82

p-Isopropyltoluene

Concen: 1.913 ug/l

RT: 12.006 min Scan# 119

Delta R.T. 0.000 min

Lab File: VX036167.D

Acq: 15 Jun 2023 14:18

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(JUNE)

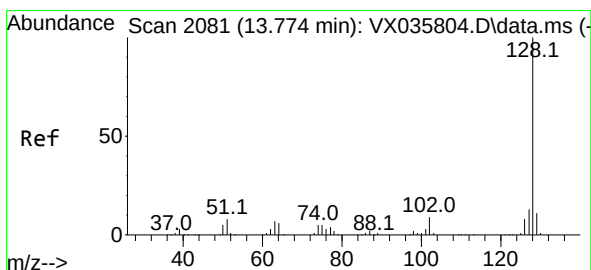
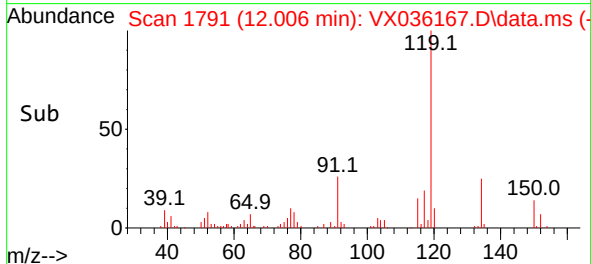
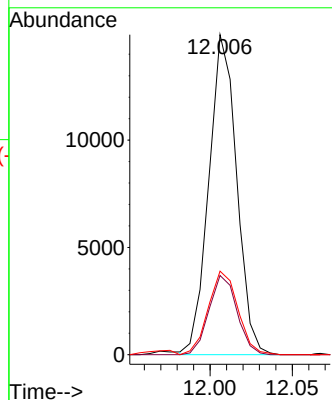
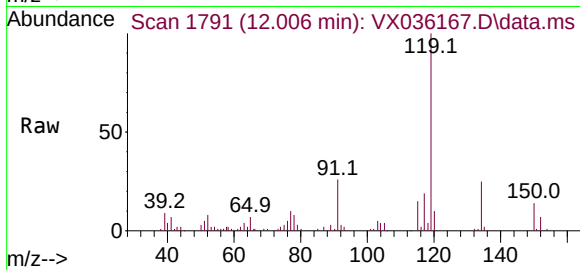
Tgt Ion:119 Resp: 17569

Ion Ratio Lower Upper

119 100

134 24.8 0.0 52.2

91 27.8 0.0 51.0



#91

Naphthalene

Concen: 0.265 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX036167.D

Acq: 15 Jun 2023 14:18

Tgt Ion:128 Resp: 2643

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

129 9.3 8.8 13.2

