

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061523\
 Data File : VX036169.D
 Acq On : 15 Jun 2023 15:05
 Operator : JC/MD
 Sample : 03218-01DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Jun 16 07:55:23 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)

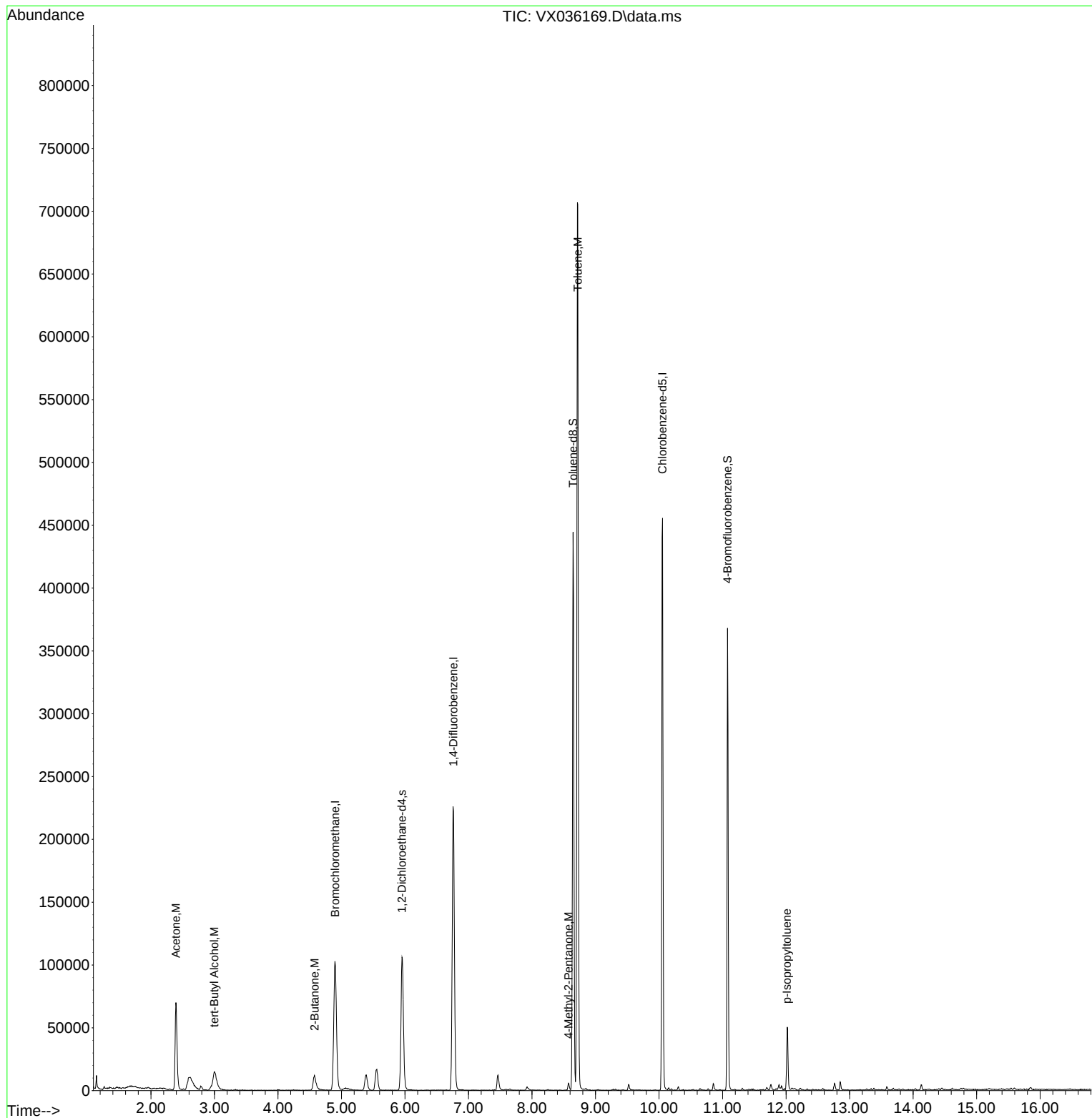
Internal Standards						
1) Bromochloromethane	4.898	128	40084	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	213510	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	191044	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	111130	33.367	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	111.233%#
60) 4-Bromofluorobenzene	11.079	95	96497	30.102	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	100.333%
63) Toluene-d8	8.647	98	244921	28.999	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.667%
Target Compounds						
					Qvalue	
15) Acetone	2.392	58	26370	61.942	ug/l	86
23) tert-Butyl Alcohol	2.995	59	31324	60.291	ug/l #	100
30) 2-Butanone	4.574	43	17105	8.788	ug/l	95
58) 4-Methyl-2-Pentanone	8.574	43	3614	0.974	ug/l	100
62) Toluene	8.720	91	444441	45.175	ug/l	99
82) p-Isopropyltoluene	12.012	119	3549	0.388	ug/l	92

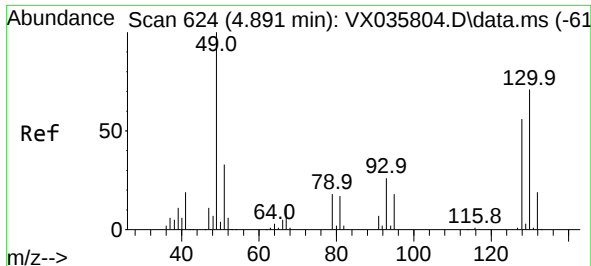
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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
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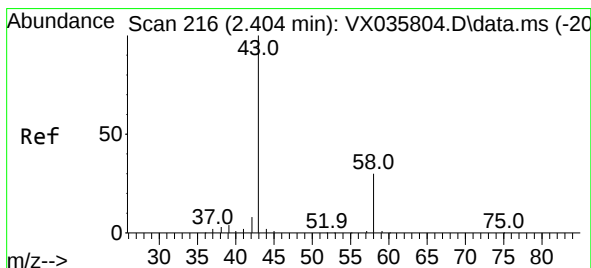
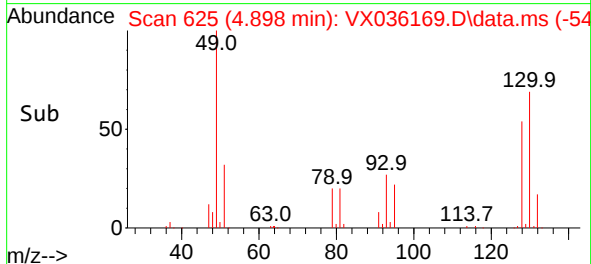
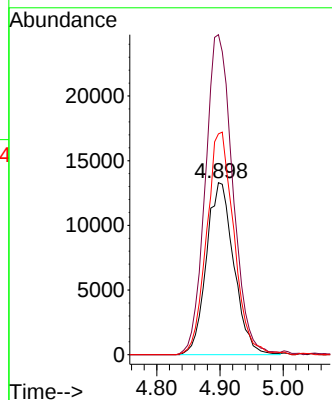
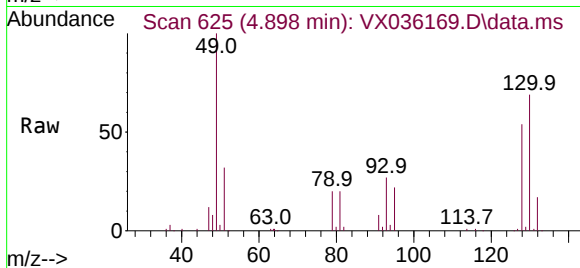




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.898 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX036169.D
Acq: 15 Jun 2023 15:05

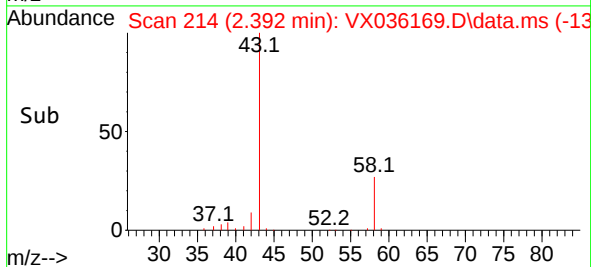
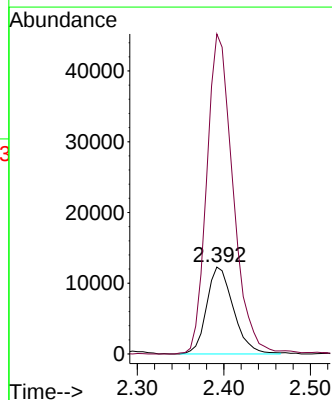
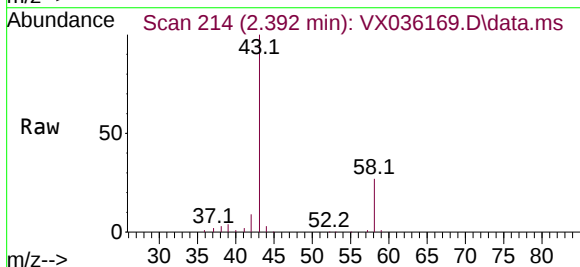
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)DL

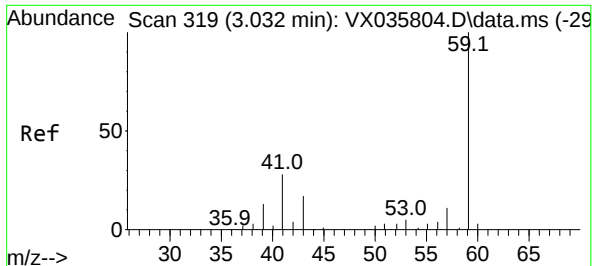
Tgt Ion:128 Resp: 40084
Ion Ratio Lower Upper
128 100
49 186.5 0.0 428.8
130 128.6 0.0 310.8



#15
Acetone
Concen: 61.942 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX036169.D
Acq: 15 Jun 2023 15:05

Tgt Ion: 58 Resp: 26370
Ion Ratio Lower Upper
58 100
43 367.3 270.8 406.2

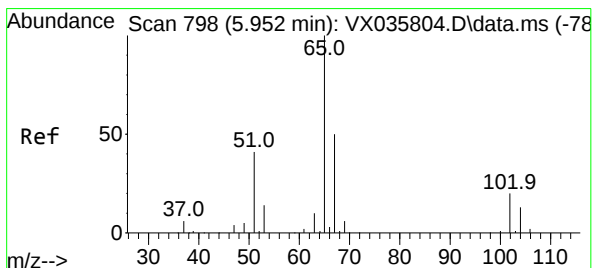
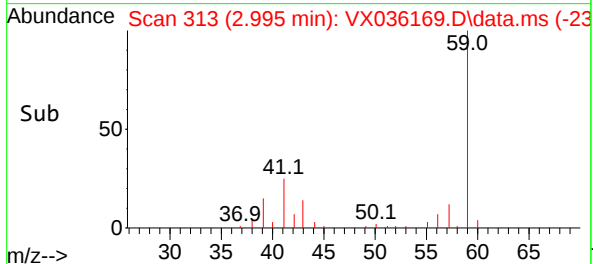
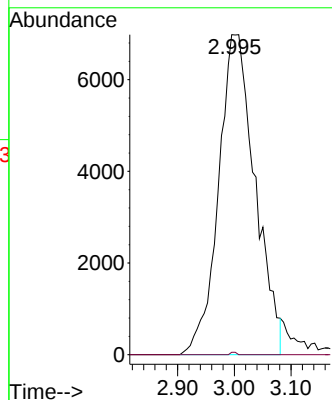
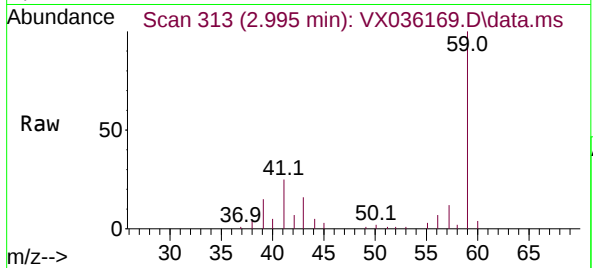




#23
tert-Butyl Alcohol
Concen: 60.291 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.037 min
Lab File: VX036169.D
Acq: 15 Jun 2023 15:05

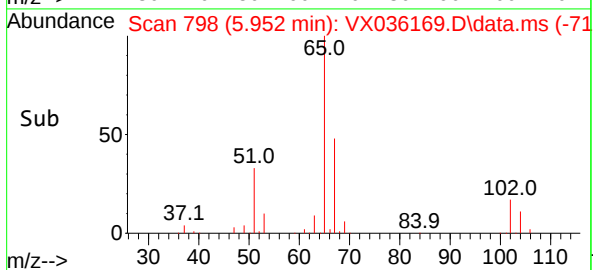
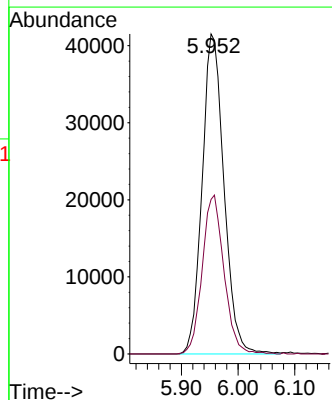
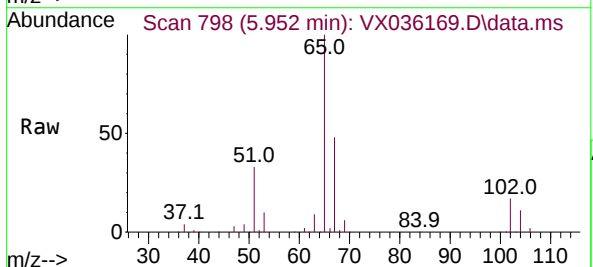
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)DL

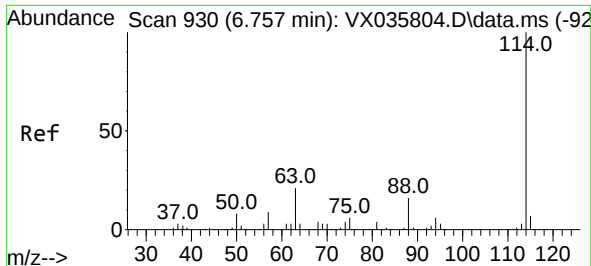
Tgt Ion: 59 Resp: 31324
Ion Ratio Lower Upper
59 100
52 0.1 0.2 0.4#



#27
1,2-Dichloroethane-d4
Concen: 33.367 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX036169.D
Acq: 15 Jun 2023 15:05

Tgt Ion: 65 Resp: 111130
Ion Ratio Lower Upper
65 100
67 49.2 40.9 61.3





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX036169.D

Acq: 15 Jun 2023 15:05

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(JUNE)DL

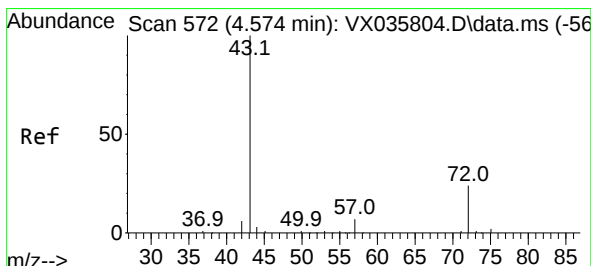
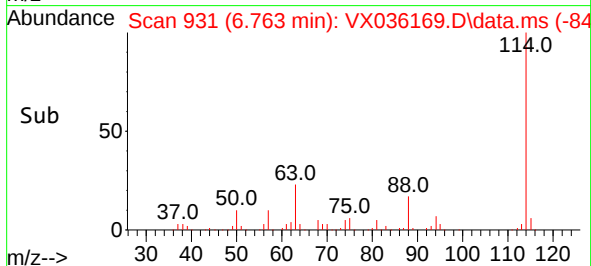
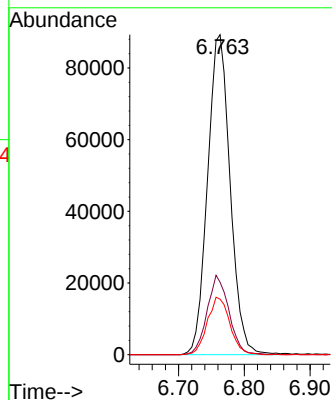
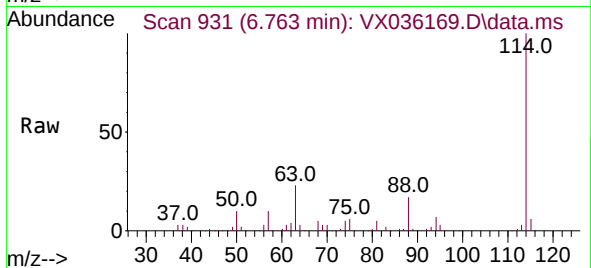
Tgt Ion:114 Resp: 213510

Ion Ratio Lower Upper

114 100

63 23.9 18.0 27.0

88 17.9 13.3 19.9



#30

2-Butanone

Concen: 8.788 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.000 min

Lab File: VX036169.D

Acq: 15 Jun 2023 15:05

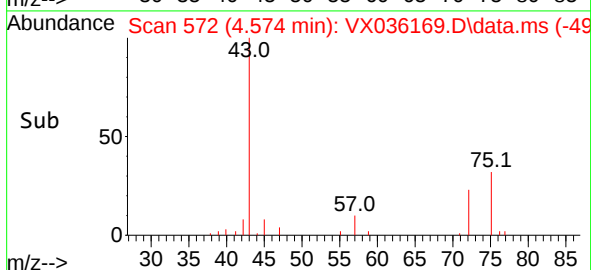
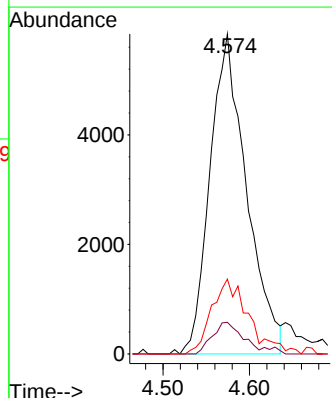
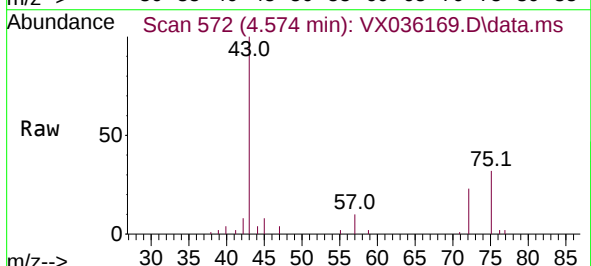
Tgt Ion: 43 Resp: 17105

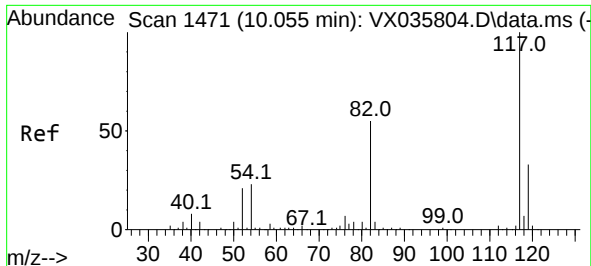
Ion Ratio Lower Upper

43 100

57 8.1 6.3 9.5

72 21.2 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: VX036169.D

Acq: 15 Jun 2023 15:05

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(JUNE)DL

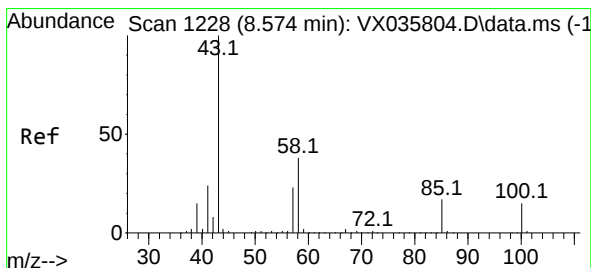
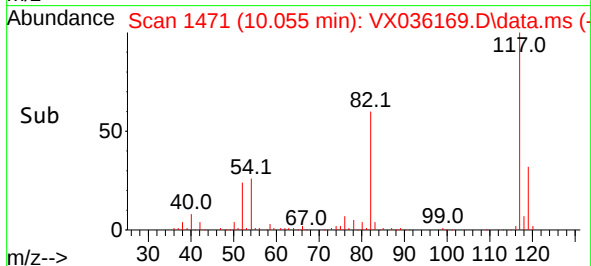
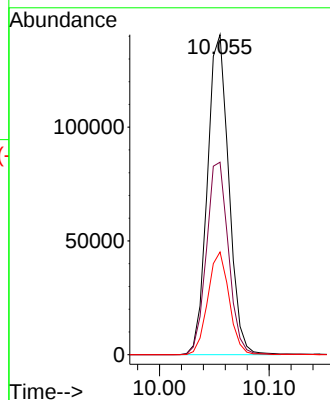
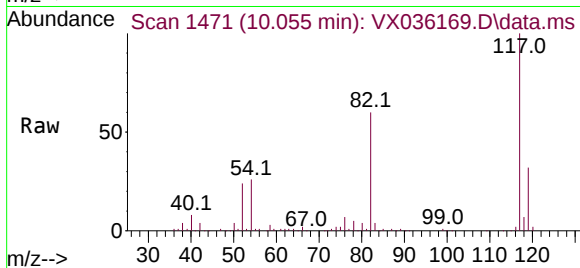
Tgt Ion:117 Resp: 191044

Ion Ratio Lower Upper

117 100

82 61.7 45.8 68.8

119 31.9 25.4 38.0



#58

4-Methyl-2-Pentanone

Concen: 0.974 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VX036169.D

Acq: 15 Jun 2023 15:05

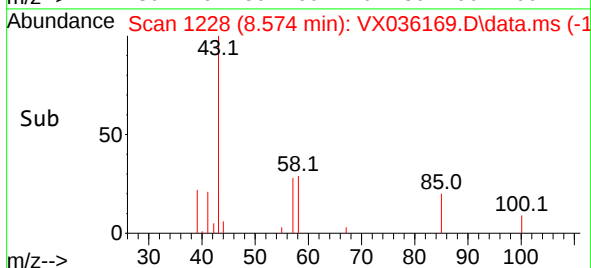
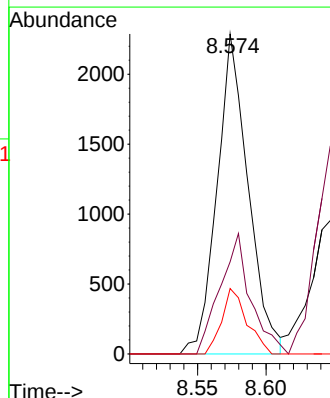
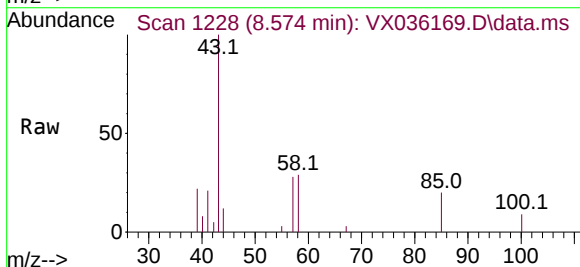
Tgt Ion: 43 Resp: 3614

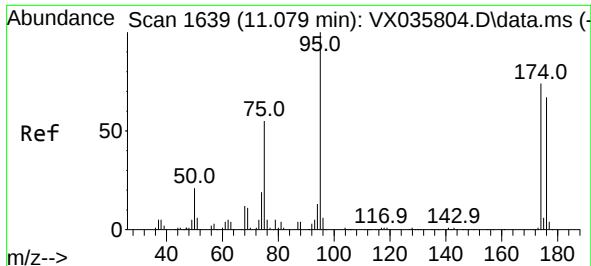
Ion Ratio Lower Upper

43 100

58 37.1 29.9 44.9

85 16.5 13.2 19.8

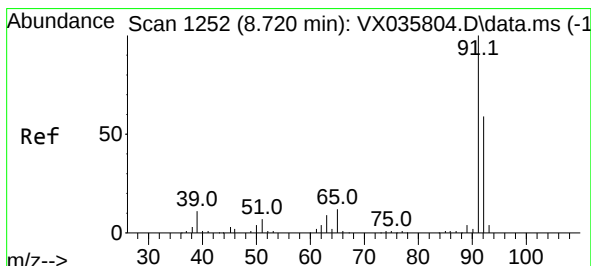
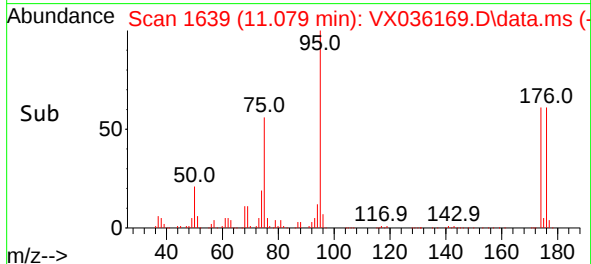
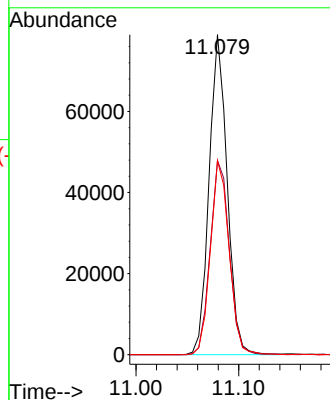
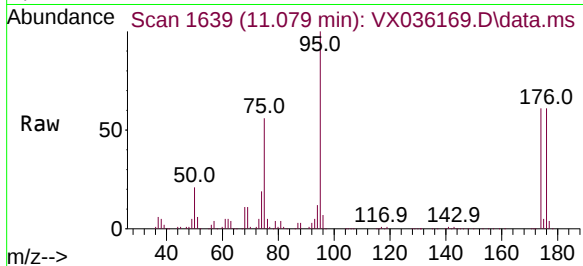




#60
4-Bromofluorobenzene
Concen: 30.102 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036169.D
Acq: 15 Jun 2023 15:05

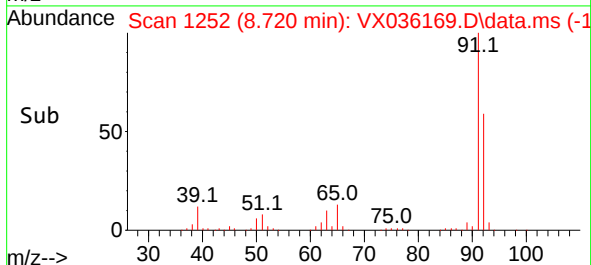
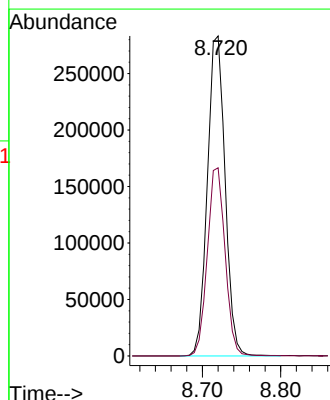
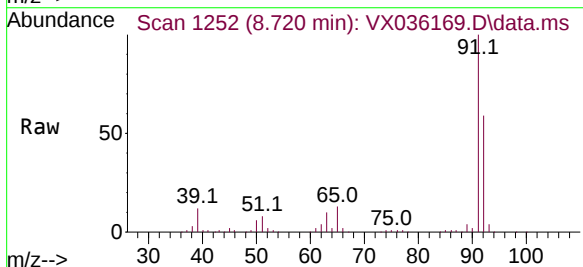
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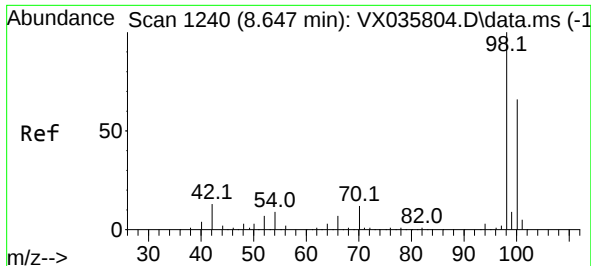
Tgt Ion: 95 Resp: 96497
Ion Ratio Lower Upper
95 100
174 63.8 0.2 0.4#
176 62.5 0.2 0.2#



#62
Toluene
Concen: 45.175 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX036169.D
Acq: 15 Jun 2023 15:05

Tgt Ion: 91 Resp: 444441
Ion Ratio Lower Upper
91 100
92 58.9 46.5 69.7

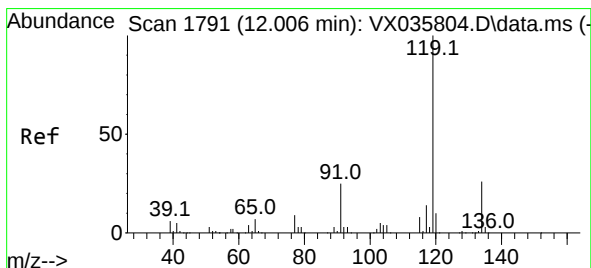
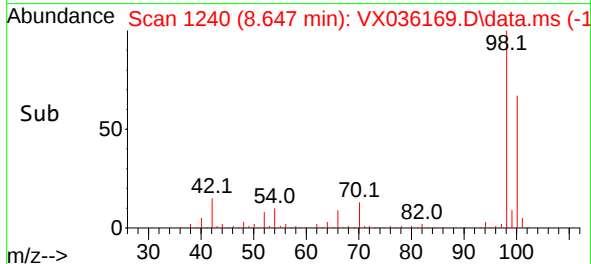
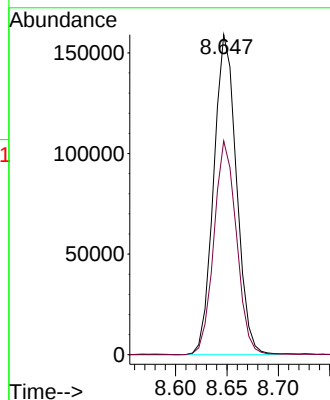
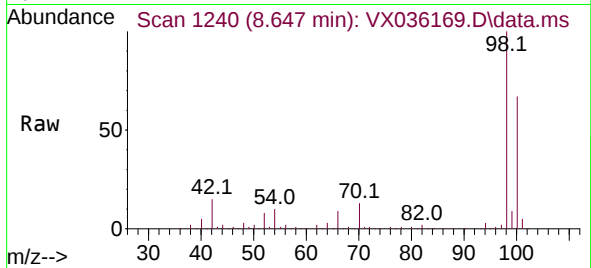




#63
Toluene-d8
Concen: 28.999 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036169.D
Acq: 15 Jun 2023 15:05

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

Tgt Ion: 98 Resp: 244921
Ion Ratio Lower Upper
98 100
100 66.2 52.1 78.1



#82
p-Isopropyltoluene
Concen: 0.388 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX036169.D
Acq: 15 Jun 2023 15:05

Tgt Ion: 119 Resp: 3549
Ion Ratio Lower Upper
119 100
134 24.0 0.0 52.2
91 31.5 0.0 51.0

