

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060723\
 Data File : VX036055.D
 Acq On : 07 Jun 2023 13:06
 Operator : JC/MD
 Sample : 03033-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Jun 07 13:31:06 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)

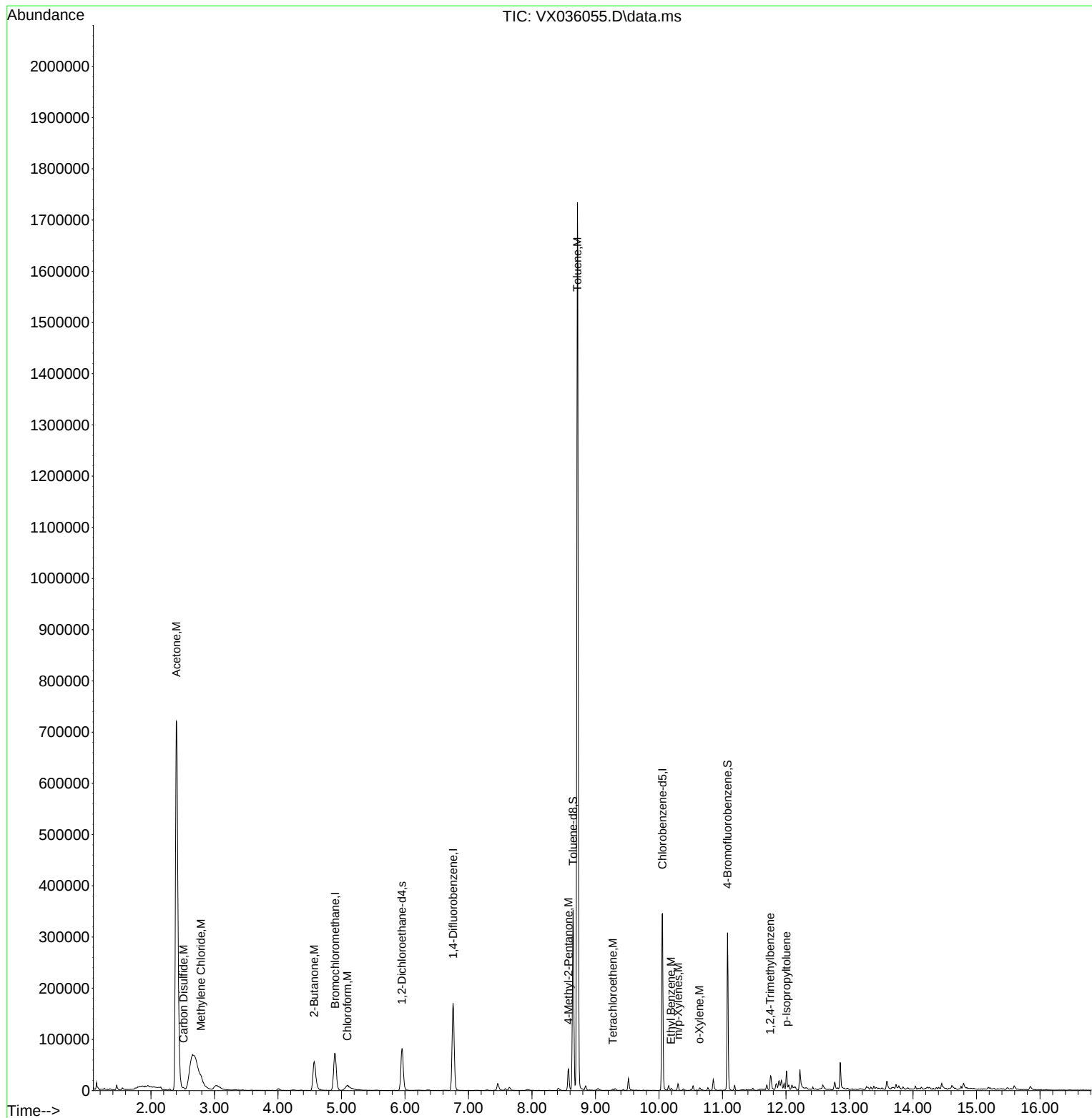
Internal Standards						
1) Bromochloromethane	4.898	128	28991	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	159657	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	147361	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	83954	34.852	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 116.167%#	
60) 4-Bromofluorobenzene	11.079	95	77597	31.382	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 104.600%	
63) Toluene-d8	8.647	98	196363	30.142	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 100.467%	
Target Compounds						
					Qvalue	
15) Acetone	2.398	58	348488	1131.794	ug/l	87
16) Carbon Disulfide	2.514	76	3525	1.118	ug/l #	91
18) Methylene Chloride	2.788	84	2342	1.237	ug/l #	83
25) Chloroform	5.093	83	3883	1.141	ug/l	90
30) 2-Butanone	4.568	43	116759	80.225	ug/l #	97
58) 4-Methyl-2-Pentanone	8.574	43	25273	8.830	ug/l	99
61) Tetrachloroethene	9.275	164	394	0.278	ug/l #	81
62) Toluene	8.714	91	1065052	140.346	ug/l	98
66) Ethyl Benzene	10.189	91	2281	0.269	ug/l #	86
67) m/p-Xylenes	10.299	106	2754	0.857	ug/l	99
68) o-Xylene	10.634	106	1046	0.326	ug/l	90
80) 1,2,4-Trimethylbenzene	11.750	105	4644	0.663	ug/l	59
82) p-Isopropyltoluene	12.006	119	14444	2.045	ug/l	96

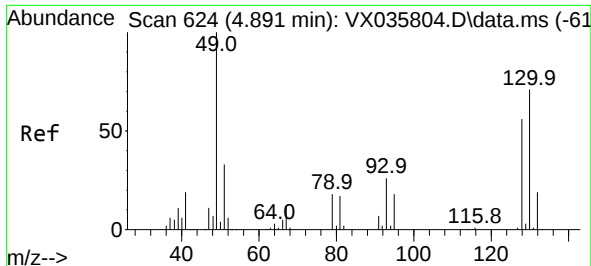
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060723\
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001-WILLETS-PT-BLVD(JUNE)

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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
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: VX036055.D

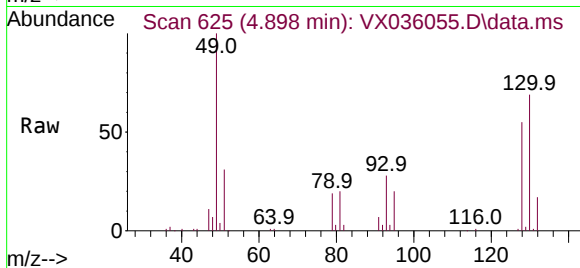
Acq: 07 Jun 2023 13:06

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(JUNE)



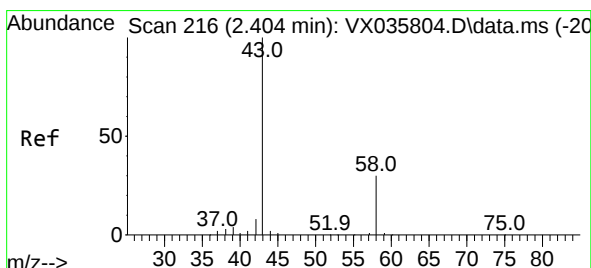
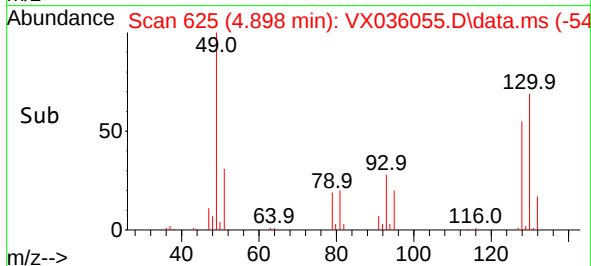
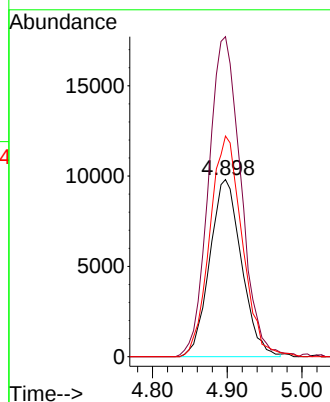
Tgt Ion:128 Resp: 28991

Ion Ratio Lower Upper

128 100

49 184.1 0.0 428.8

130 127.3 0.0 310.8



#15

Acetone

Concen: 1131.794 ug/l

RT: 2.398 min Scan# 215

Delta R.T. -0.006 min

Lab File: VX036055.D

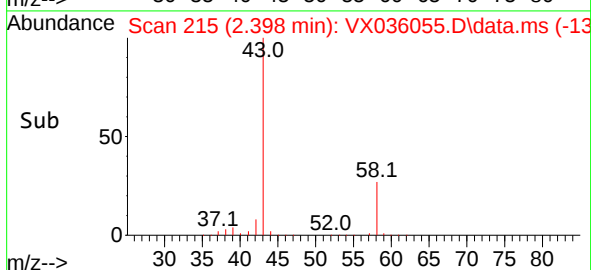
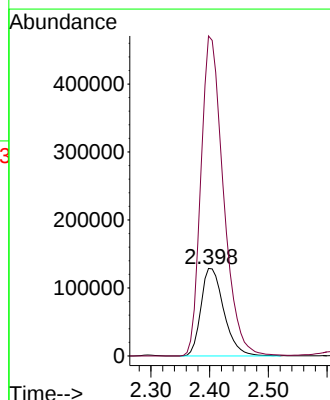
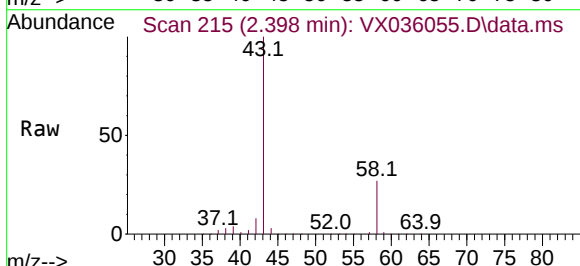
Acq: 07 Jun 2023 13:06

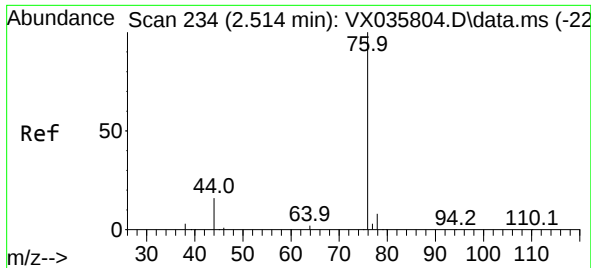
Tgt Ion: 58 Resp: 348488

Ion Ratio Lower Upper

58 100

43 365.8 270.8 406.2

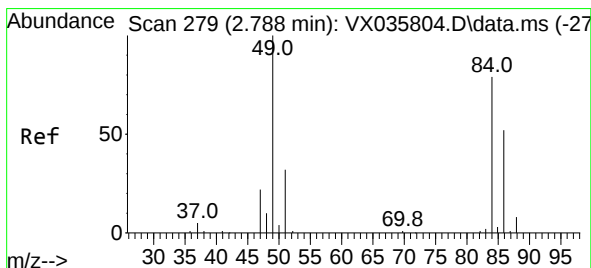
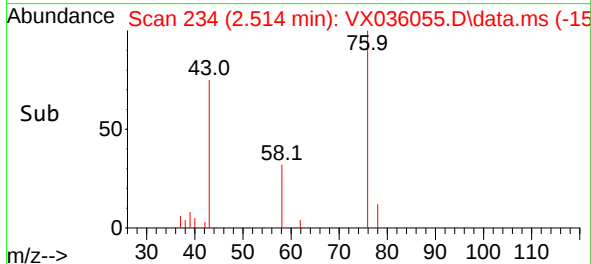
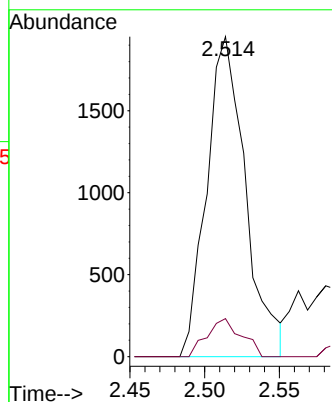
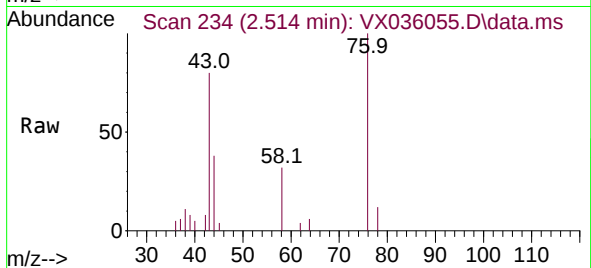




#16
Carbon Disulfide
Concen: 1.118 ug/l
RT: 2.514 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX036055.D
Acq: 07 Jun 2023 13:06

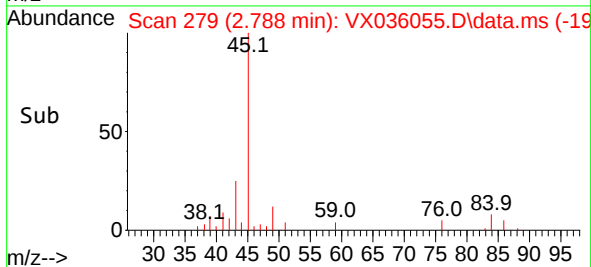
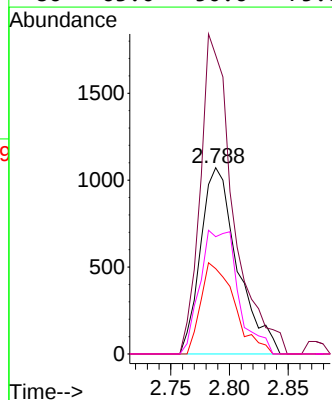
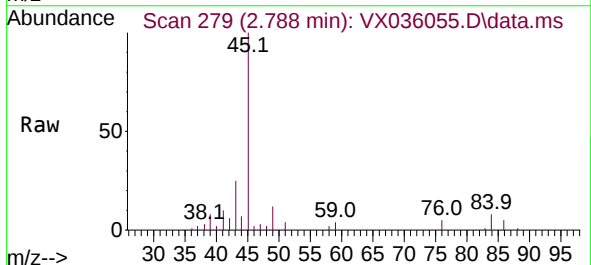
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)

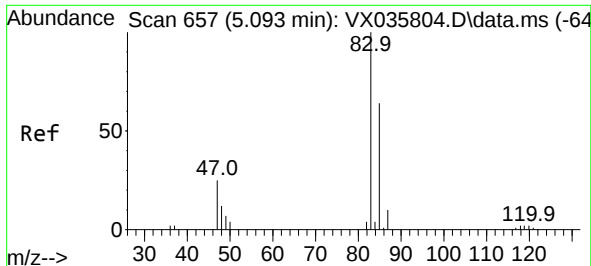
Tgt Ion: 76 Resp: 3525
Ion Ratio Lower Upper
76 100
78 11.9 7.0 10.6#



#18
Methylene Chloride
Concen: 1.237 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX036055.D
Acq: 07 Jun 2023 13:06

Tgt Ion: 84 Resp: 2342
Ion Ratio Lower Upper
84 100
49 160.4 103.9 155.9#
51 45.8 30.6 45.8
86 63.0 50.6 75.8





#25

Chloroform

Concen: 1.141 ug/l

RT: 5.093 min Scan# 6

Delta R.T. 0.000 min

Lab File: VX036055.D

Acq: 07 Jun 2023 13:06

Instrument :

MSVOA_X

ClientSampleId :

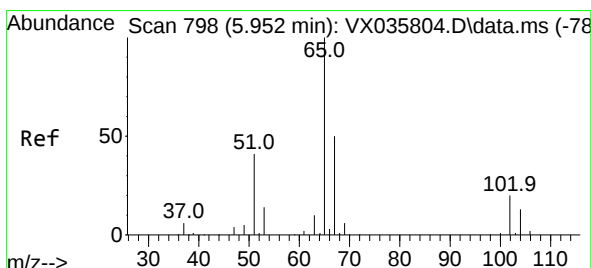
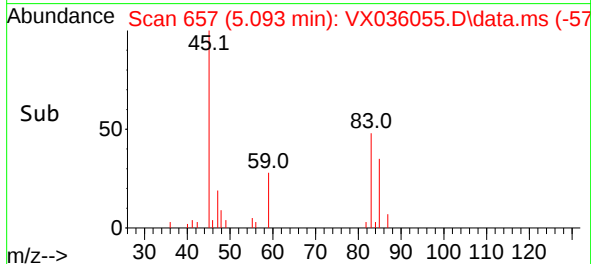
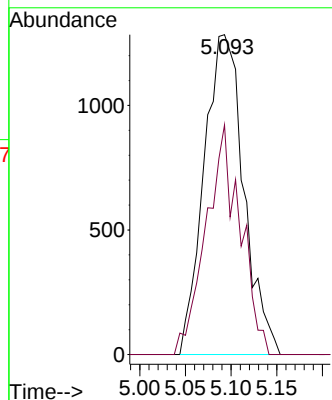
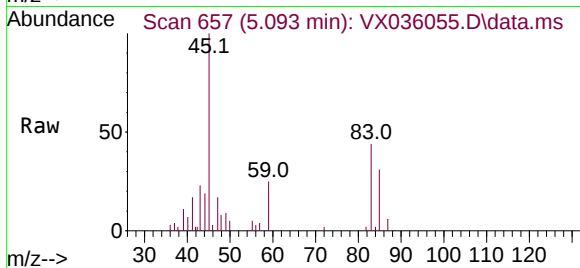
001-WILLETS-PT-BLVD(JUNE)

Tgt Ion: 83 Resp: 3883

Ion Ratio Lower Upper

83 100

85 71.8 51.2 76.8



#27

1,2-Dichloroethane-d4

Concen: 34.852 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX036055.D

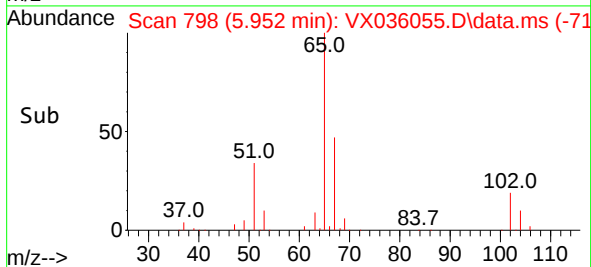
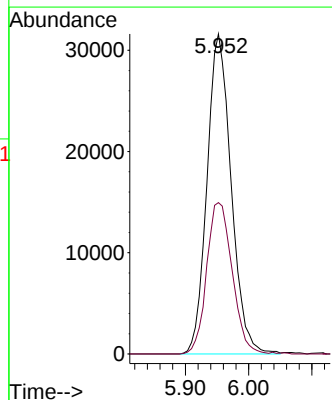
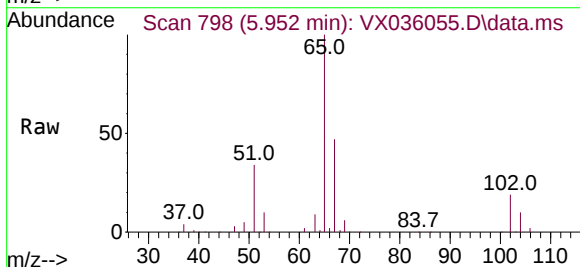
Acq: 07 Jun 2023 13:06

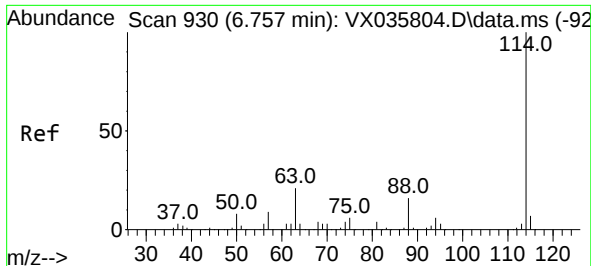
Tgt Ion: 65 Resp: 83954

Ion Ratio Lower Upper

65 100

67 49.8 40.9 61.3

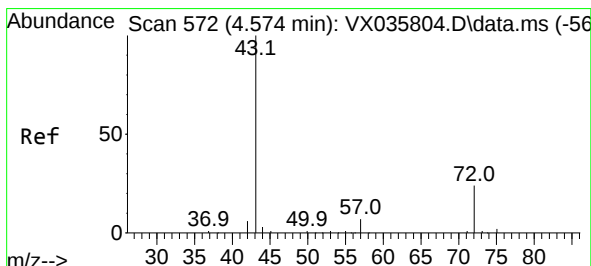
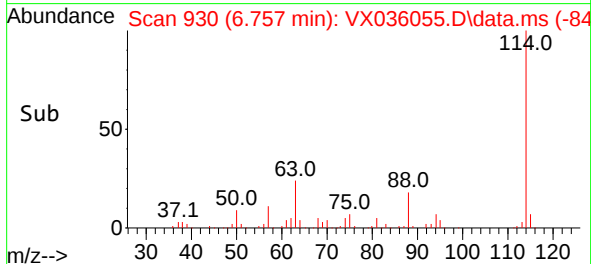
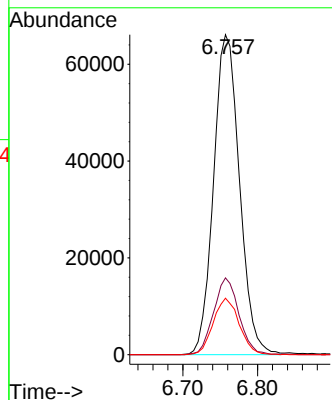
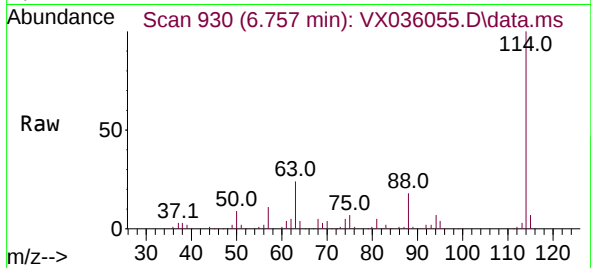




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX036055.D
Acq: 07 Jun 2023 13:06

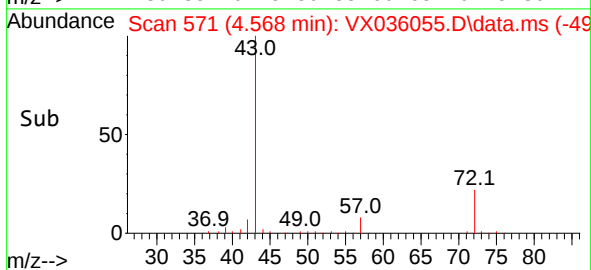
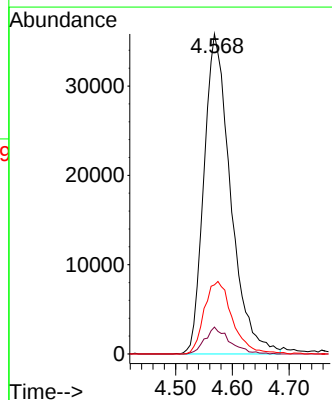
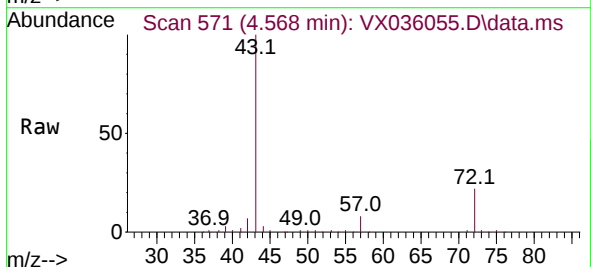
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)

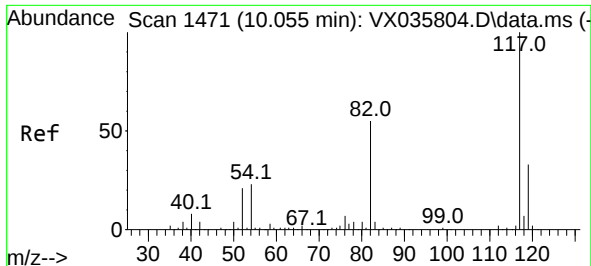
Tgt Ion:114 Resp: 159657
Ion Ratio Lower Upper
114 100
63 23.4 18.0 27.0
88 17.7 13.3 19.9



#30
2-Butanone
Concen: 80.225 ug/l
RT: 4.568 min Scan# 571
Delta R.T. -0.006 min
Lab File: VX036055.D
Acq: 07 Jun 2023 13:06

Tgt Ion: 43 Resp: 116759
Ion Ratio Lower Upper
43 100
57 5.0 6.3 9.5#
72 23.9 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: VX036055.D

Acq: 07 Jun 2023 13:06

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(JUNE)

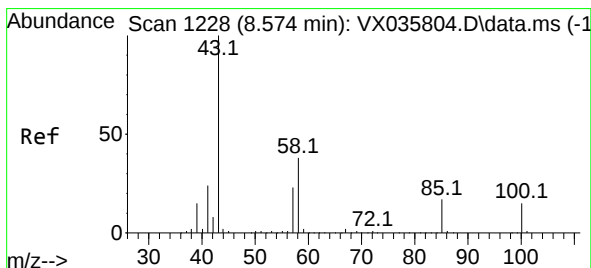
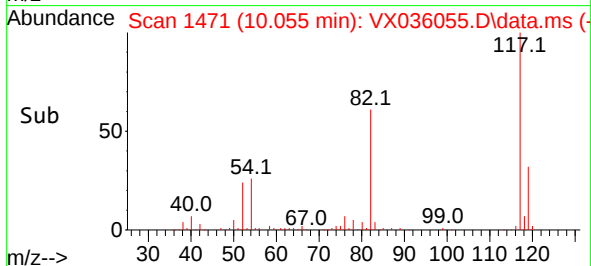
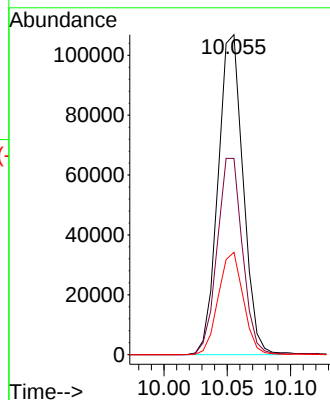
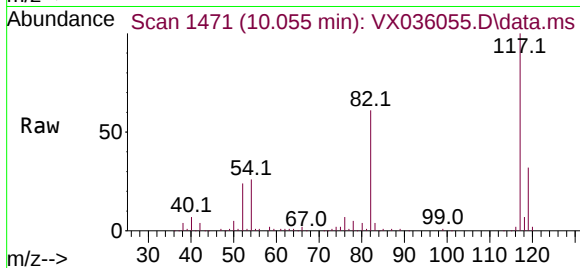
Tgt Ion:117 Resp: 147361

Ion Ratio Lower Upper

117 100

82 62.0 45.8 68.8

119 31.8 25.4 38.0



#58

4-Methyl-2-Pentanone

Concen: 8.830 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VX036055.D

Acq: 07 Jun 2023 13:06

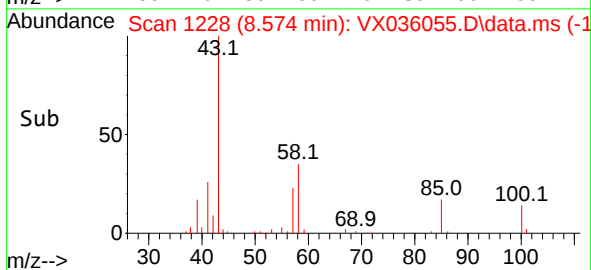
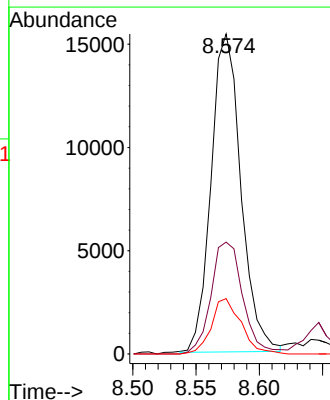
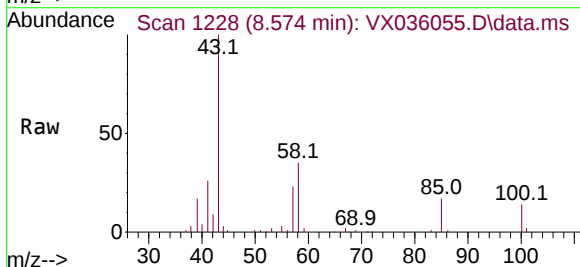
Tgt Ion: 43 Resp: 25273

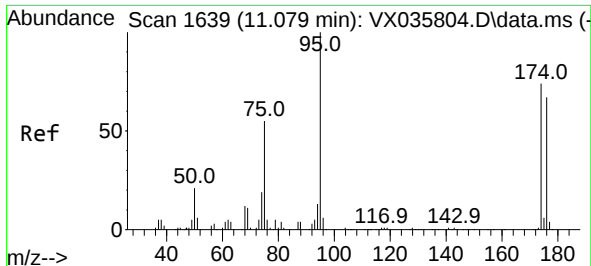
Ion Ratio Lower Upper

43 100

58 37.6 29.9 44.9

85 17.4 13.2 19.8

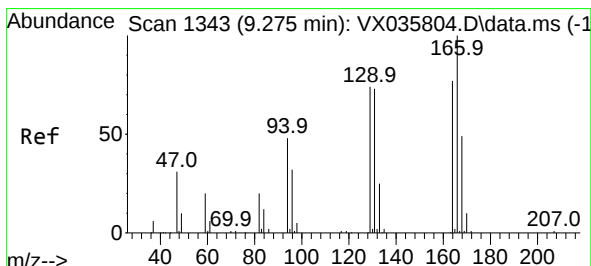
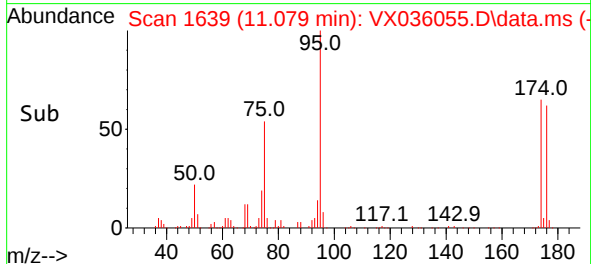
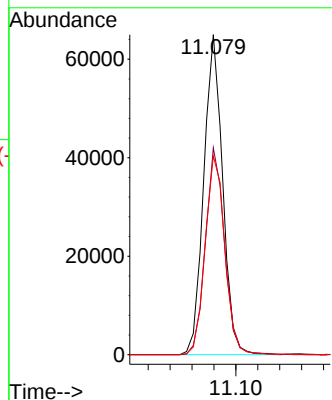
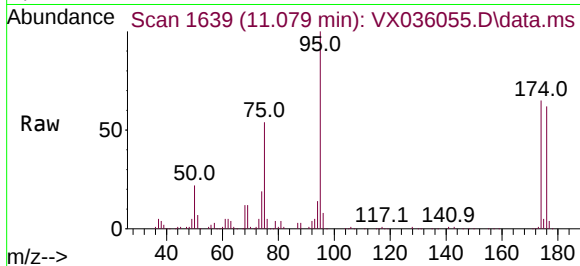




#60
4-Bromofluorobenzene
Concen: 31.382 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036055.D
Acq: 07 Jun 2023 13:06

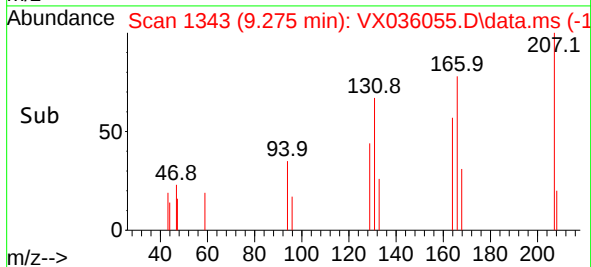
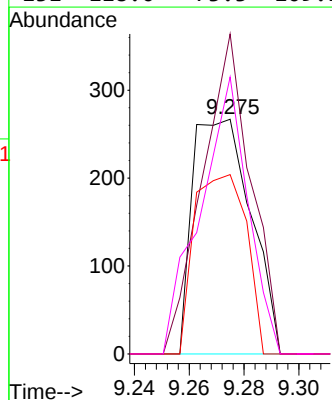
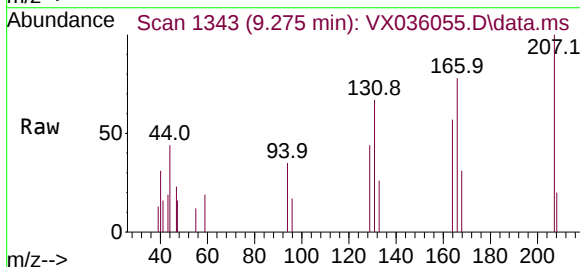
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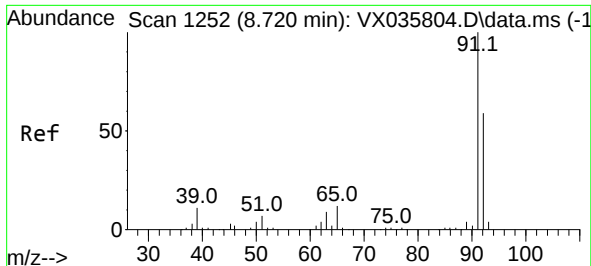
Tgt Ion: 95 Resp: 77597
Ion Ratio Lower Upper
95 100
174 65.2 0.2 0.4#
176 64.7 0.2 0.2#



#61
Tetrachloroethene
Concen: 0.278 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX036055.D
Acq: 07 Jun 2023 13:06

Tgt Ion: 164 Resp: 394
Ion Ratio Lower Upper
164 100
166 136.3 100.1 150.1
129 76.4 79.1 118.7#
131 118.0 73.3 109.9#





#62

Toluene

Concen: 140.346 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. -0.006 min

Lab File: VX036055.D

Acq: 07 Jun 2023 13:06

Instrument :

MSVOA_X

ClientSampleId :

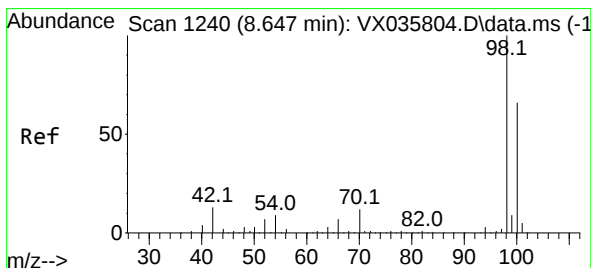
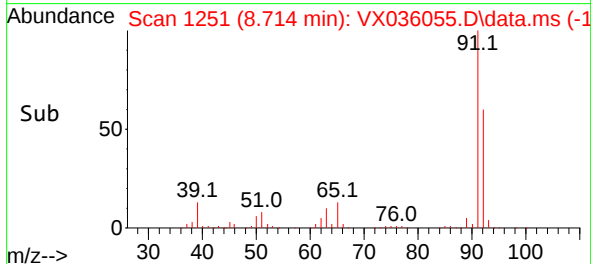
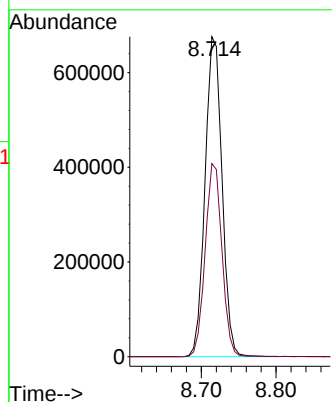
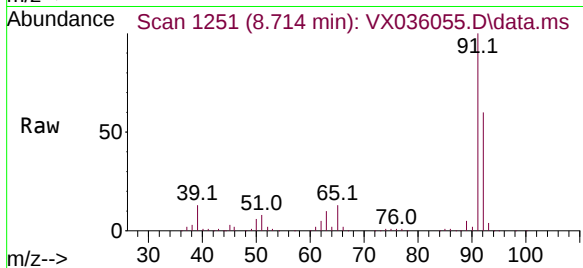
001-WILLETS-PT-BLVD(JUNE)

Tgt Ion: 91 Resp: 1065052

Ion Ratio Lower Upper

91 100

92 59.7 46.5 69.7



#63

Toluene-d8

Concen: 30.142 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX036055.D

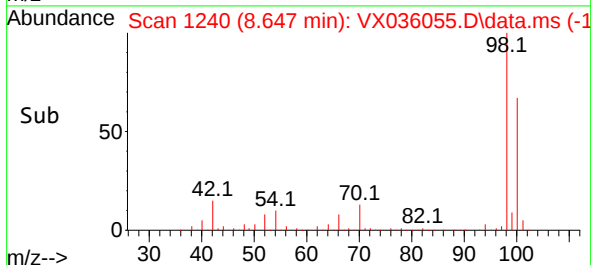
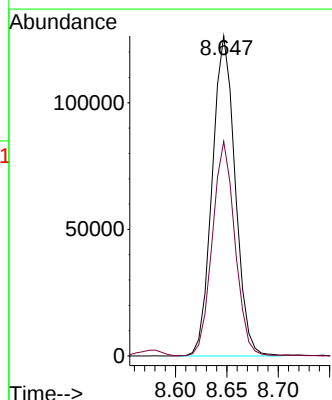
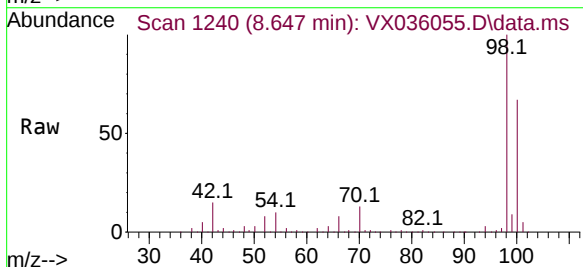
Acq: 07 Jun 2023 13:06

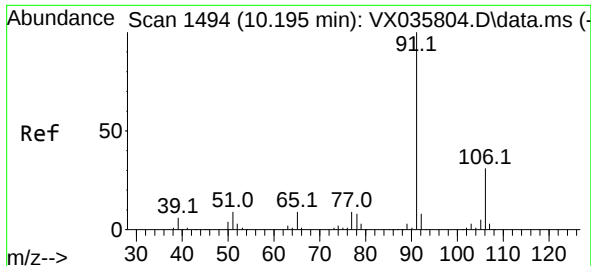
Tgt Ion: 98 Resp: 196363

Ion Ratio Lower Upper

98 100

100 65.9 52.1 78.1

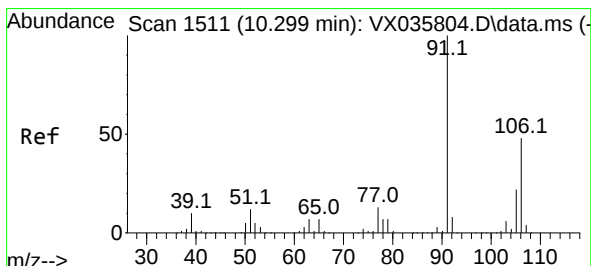
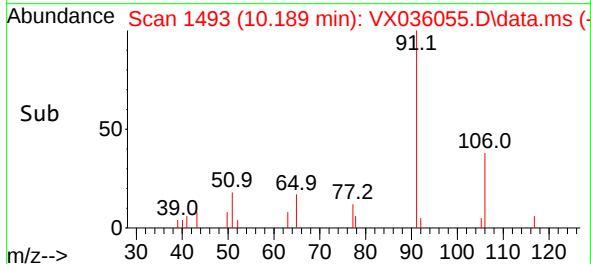
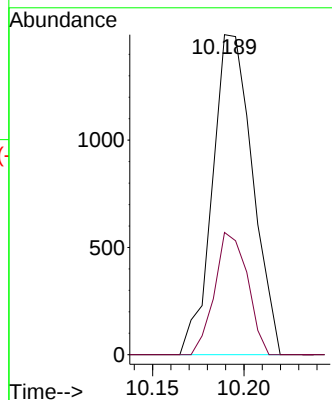
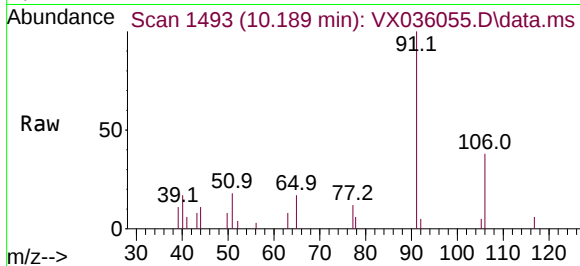




#66
Ethyl Benzene
Concen: 0.269 ug/l
RT: 10.189 min Scan# 1494
Delta R.T. -0.006 min
Lab File: VX036055.D
Acq: 07 Jun 2023 13:06

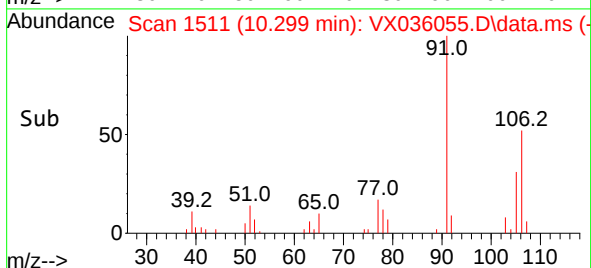
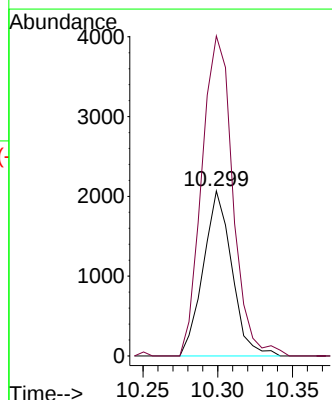
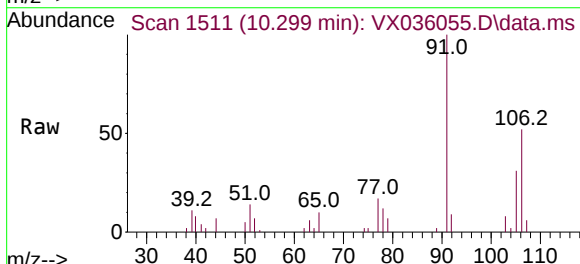
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)

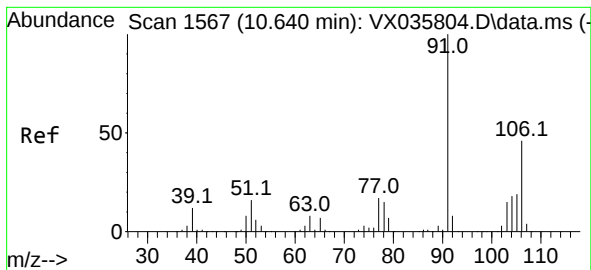
Tgt Ion: 91 Resp: 2281
Ion Ratio Lower Upper
91 100
106 38.2 24.4 36.6#



#67
m/p-Xylenes
Concen: 0.857 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX036055.D
Acq: 07 Jun 2023 13:06

Tgt Ion:106 Resp: 2754
Ion Ratio Lower Upper
106 100
91 210.1 167.4 251.2





#68

o-Xylene

Concen: 0.326 ug/l

RT: 10.634 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX036055.D

Acq: 07 Jun 2023 13:06

Instrument :

MSVOA_X

ClientSampleId :

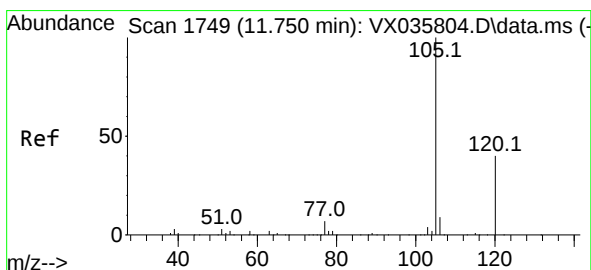
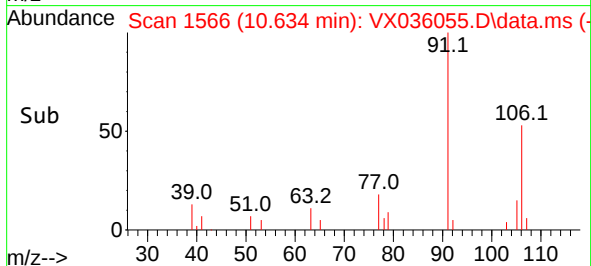
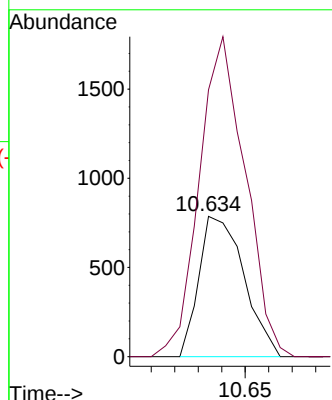
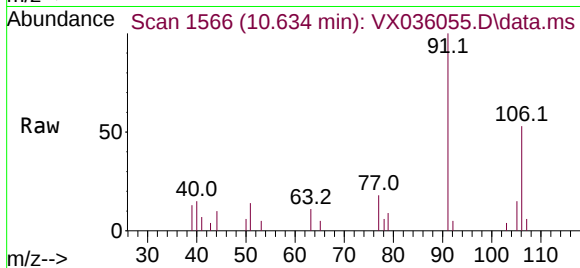
001-WILLETS-PT-BLVD(JUNE)

Tgt Ion:106 Resp: 1046

Ion Ratio Lower Upper

106 100

91 233.6 108.9 326.8



#80

1,2,4-Trimethylbenzene

Concen: 0.663 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX036055.D

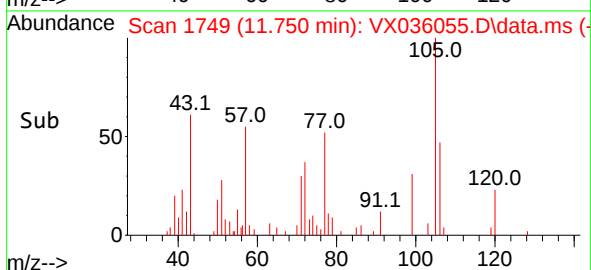
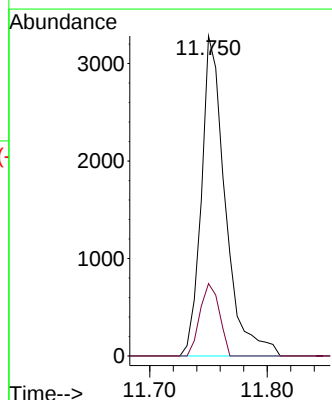
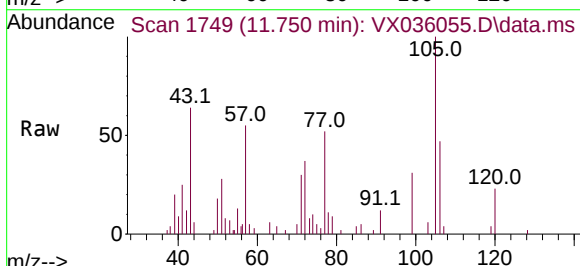
Acq: 07 Jun 2023 13:06

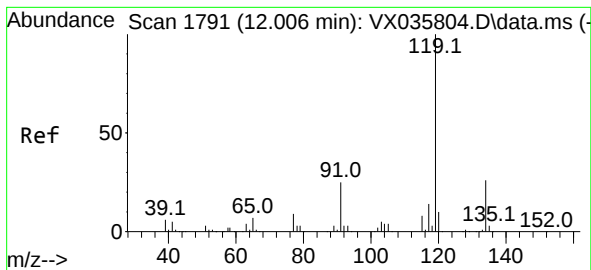
Tgt Ion:105 Resp: 4644

Ion Ratio Lower Upper

105 100

120 18.3 0.0 90.4





#82
 p-Isopropyltoluene
 Concen: 2.045 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX036055.D
 Acq: 07 Jun 2023 13:06

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

Tgt Ion:119 Resp: 14444
 Ion Ratio Lower Upper
 119 100
 134 26.6 0.0 52.2
 91 28.9 0.0 51.0

