

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060723\
 Data File : VX036057.D
 Acq On : 07 Jun 2023 13:53
 Operator : JC/MD
 Sample : 03033-01RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Jun 07 14:28:28 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)

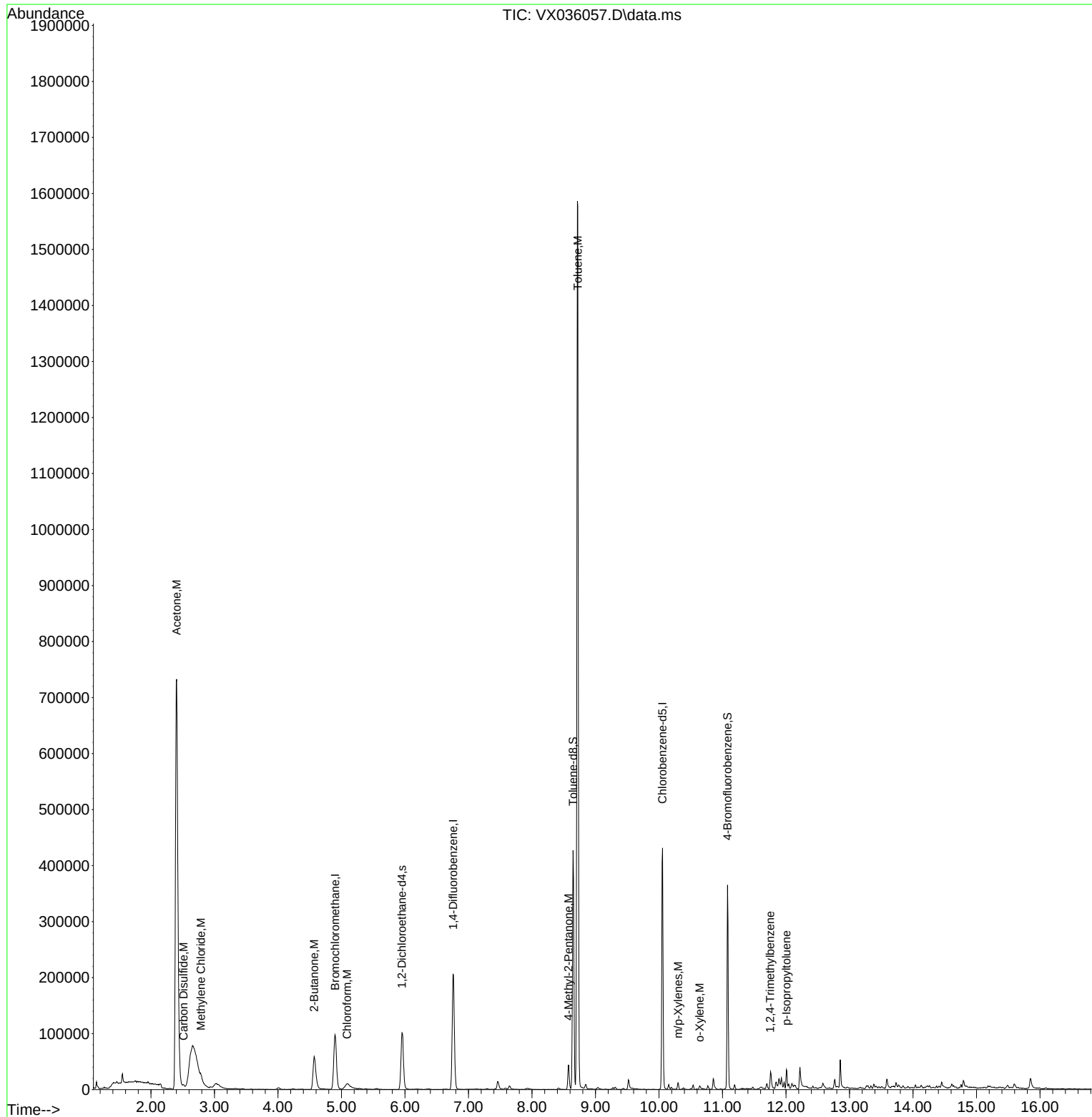
Internal Standards						
1) Bromochloromethane	4.898	128	39725	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	197832	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	191753	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	105515	31.967	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 106.567%			
60) 4-Bromofluorobenzene	11.079	95	98843	30.720	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 102.400%			
63) Toluene-d8	8.647	98	242231	28.575	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 95.233%			
Target Compounds						
					Qvalue	
15) Acetone	2.404	58	351283	832.600	ug/l	94
16) Carbon Disulfide	2.514	76	3834	0.887	ug/l #	91
18) Methylene Chloride	2.788	84	2584	0.996	ug/l	91
25) Chloroform	5.087	83	3551	0.761	ug/l #	78
30) 2-Butanone	4.568	43	119510	66.270	ug/l	99
58) 4-Methyl-2-Pentanone	8.574	43	26417	7.093	ug/l	98
62) Toluene	8.720	91	994772	100.738	ug/l	98
67) m/p-Xylenes	10.299	106	2540	0.608	ug/l	92
68) o-Xylene	10.640	106	1157	0.277	ug/l	91
80) 1,2,4-Trimethylbenzene	11.750	105	5206	0.571	ug/l	64
82) p-Isopropyltoluene	12.006	119	13869	1.509	ug/l	96

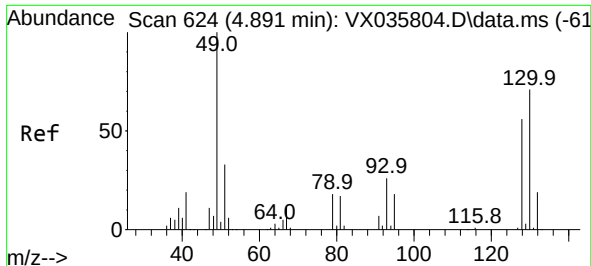
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX036057.D

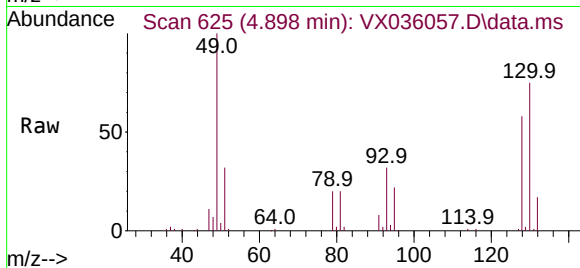
Acq: 07 Jun 2023 13:53

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(JUNE)



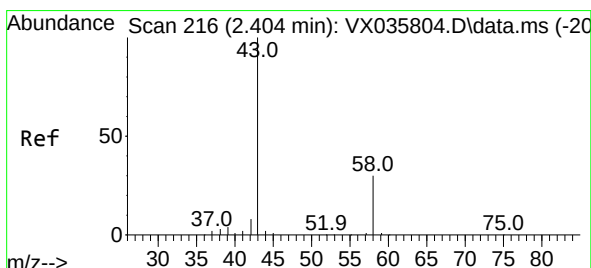
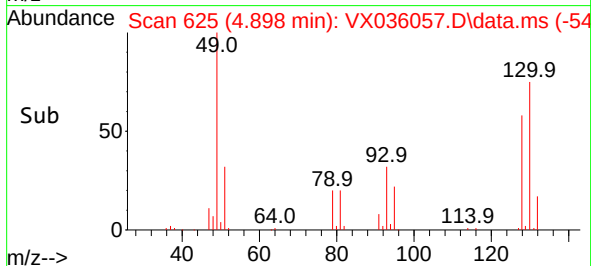
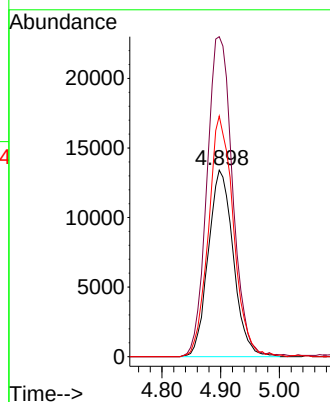
Tgt Ion:128 Resp: 39725

Ion Ratio Lower Upper

128 100

49 175.2 0.0 428.8

130 128.4 0.0 310.8



#15

Acetone

Concen: 832.600 ug/l

RT: 2.404 min Scan# 216

Delta R.T. 0.000 min

Lab File: VX036057.D

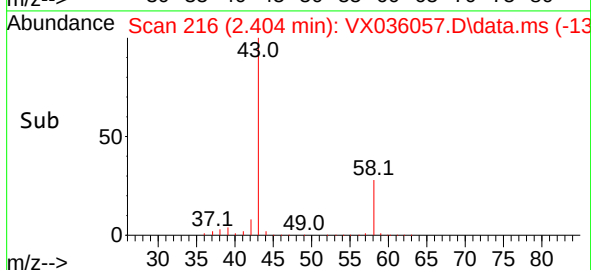
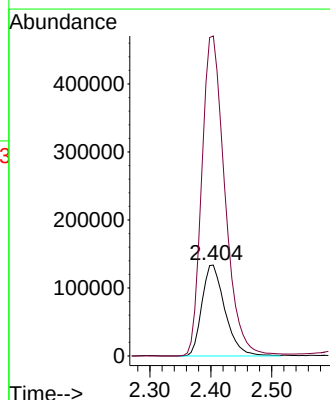
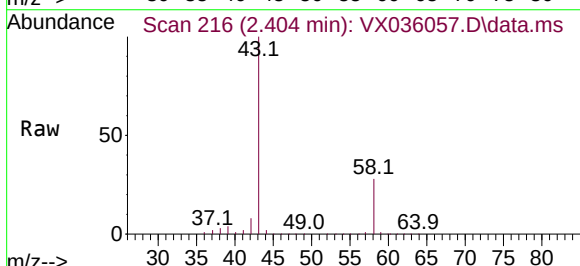
Acq: 07 Jun 2023 13:53

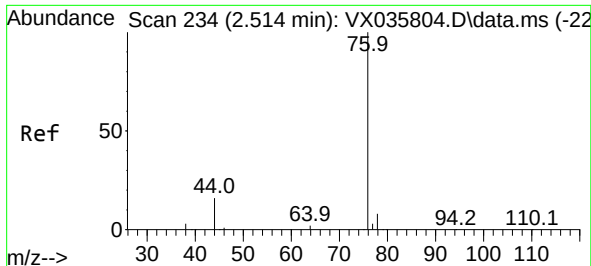
Tgt Ion: 58 Resp: 351283

Ion Ratio Lower Upper

58 100

43 352.2 270.8 406.2

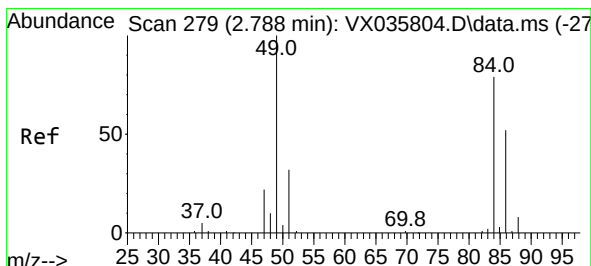
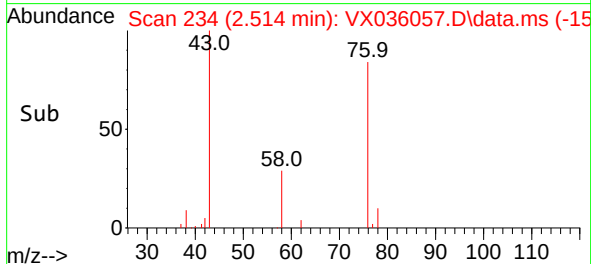
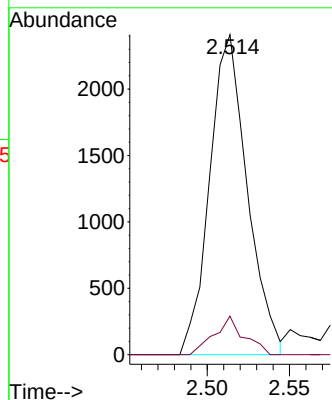
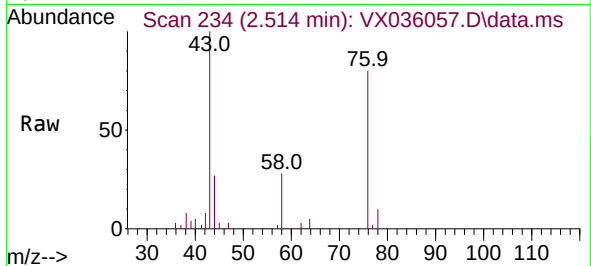




#16
Carbon Disulfide
Concen: 0.887 ug/l
RT: 2.514 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX036057.D
Acq: 07 Jun 2023 13:53

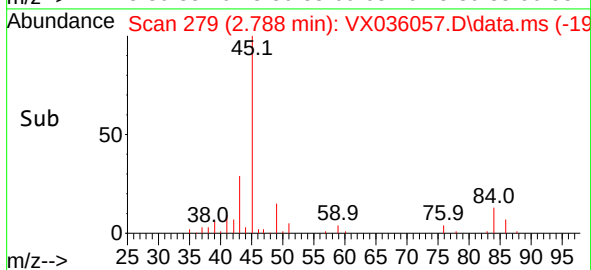
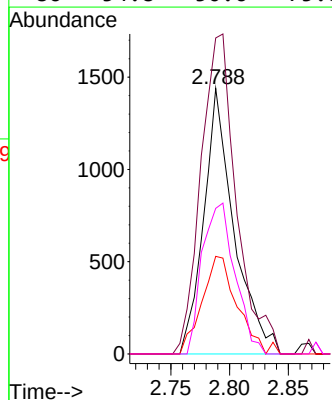
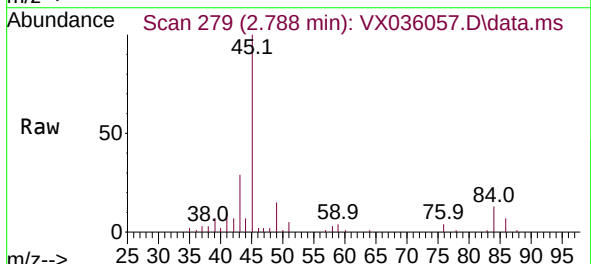
Instrument :
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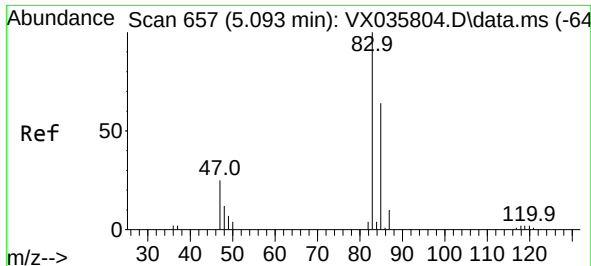
Tgt Ion: 76 Resp: 3834
Ion Ratio Lower Upper
76 100
78 12.1 7.0 10.6#



#18
Methylene Chloride
Concen: 0.996 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX036057.D
Acq: 07 Jun 2023 13:53

Tgt Ion: 84 Resp: 2584
Ion Ratio Lower Upper
84 100
49 119.0 103.9 155.9
51 36.8 30.6 45.8
86 54.8 50.6 75.8

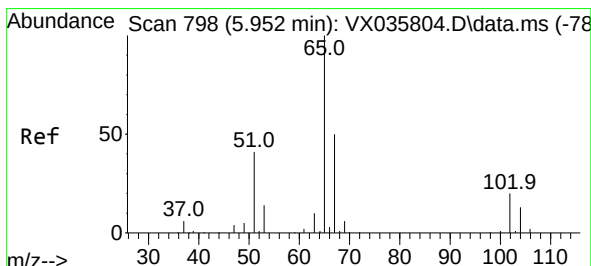
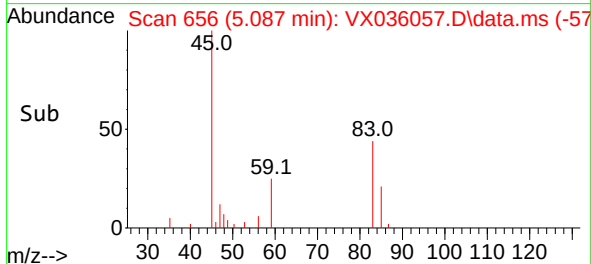
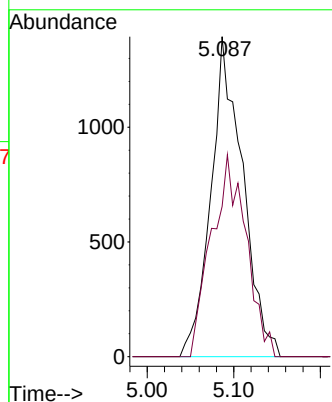
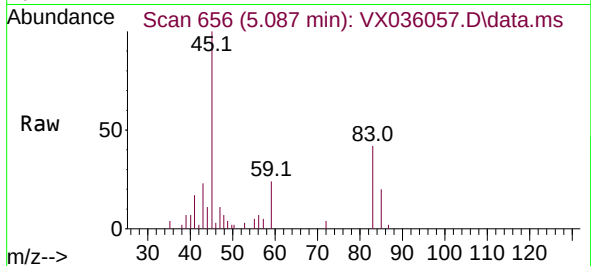




#25
Chloroform
Concen: 0.761 ug/l
RT: 5.087 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX036057.D
Acq: 07 Jun 2023 13:53

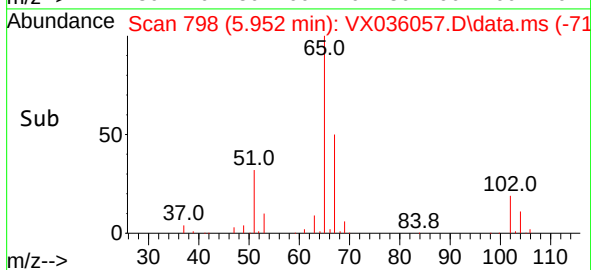
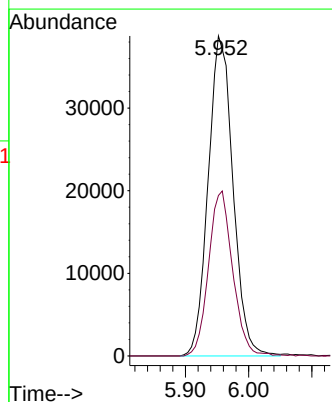
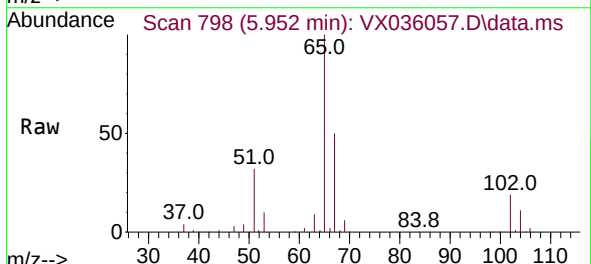
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)

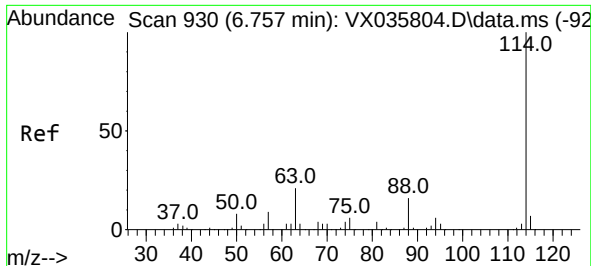
Tgt Ion: 83 Resp: 3551
Ion Ratio Lower Upper
83 100
85 47.0 51.2 76.8#



#27
1,2-Dichloroethane-d4
Concen: 31.967 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX036057.D
Acq: 07 Jun 2023 13:53

Tgt Ion: 65 Resp: 105515
Ion Ratio Lower Upper
65 100
67 49.7 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: VX036057.D

Acq: 07 Jun 2023 13:53

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(JUNE)

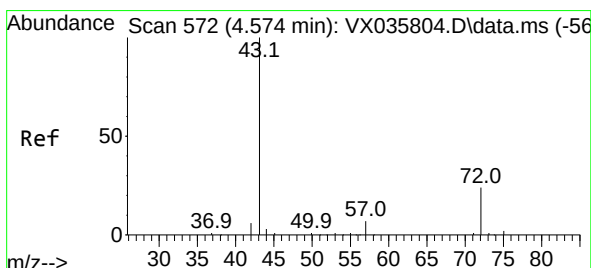
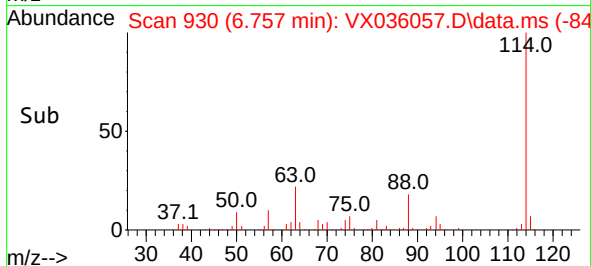
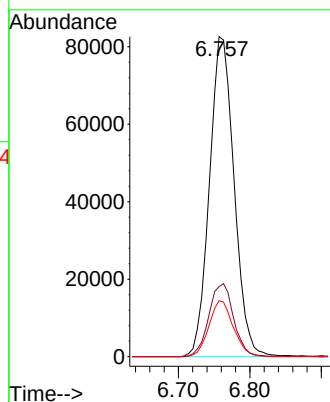
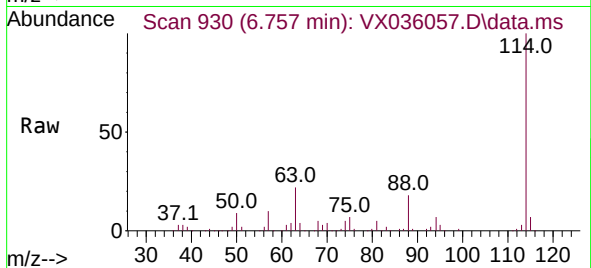
Tgt Ion:114 Resp: 197832

Ion Ratio Lower Upper

114 100

63 22.9 18.0 27.0

88 17.3 13.3 19.9



#30

2-Butanone

Concen: 66.270 ug/l

RT: 4.568 min Scan# 571

Delta R.T. -0.006 min

Lab File: VX036057.D

Acq: 07 Jun 2023 13:53

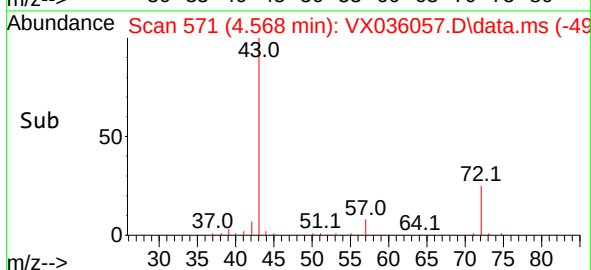
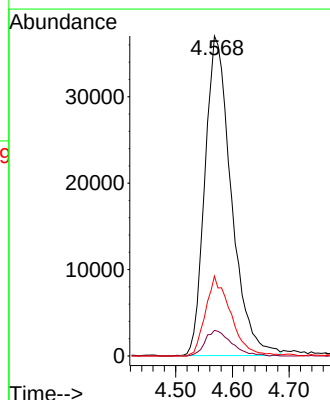
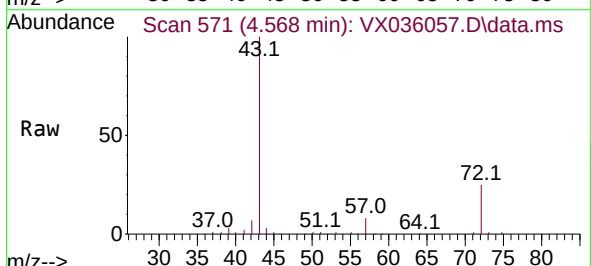
Tgt Ion: 43 Resp: 119510

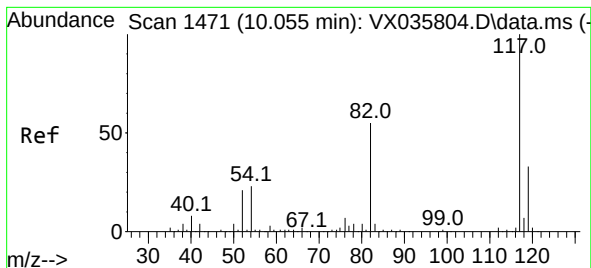
Ion Ratio Lower Upper

43 100

57 7.9 6.3 9.5

72 24.0 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: VX036057.D

Acq: 07 Jun 2023 13:53

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(JUNE)

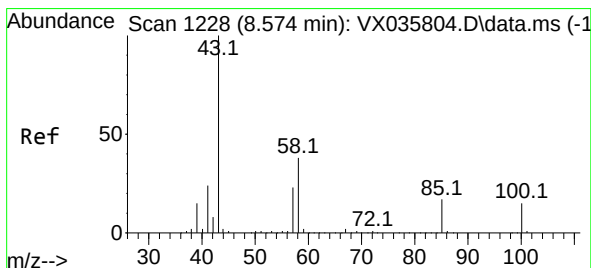
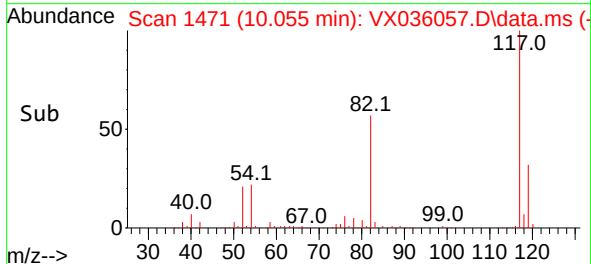
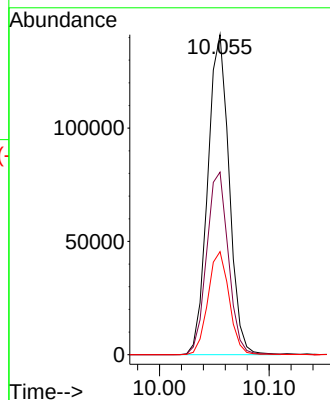
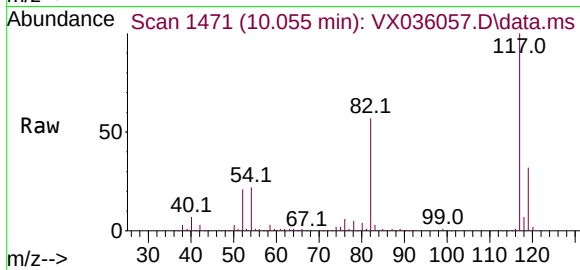
Tgt Ion:117 Resp: 191753

Ion Ratio Lower Upper

117 100

82 57.8 45.8 68.8

119 32.0 25.4 38.0



#58

4-Methyl-2-Pentanone

Concen: 7.093 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VX036057.D

Acq: 07 Jun 2023 13:53

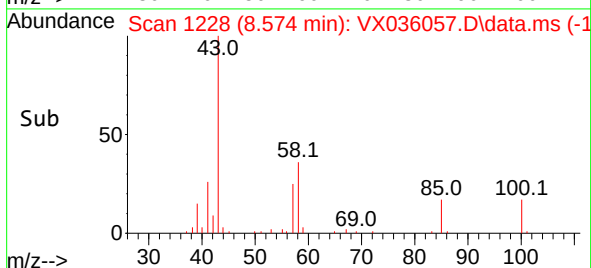
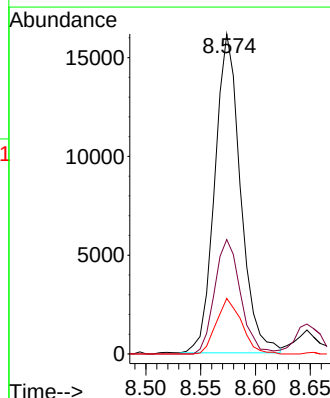
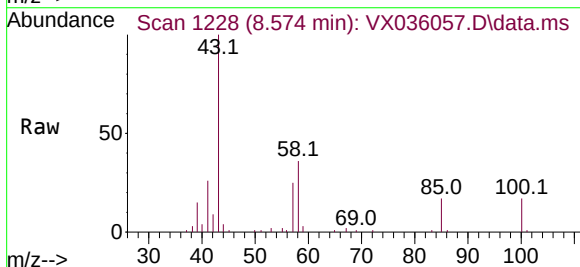
Tgt Ion: 43 Resp: 26417

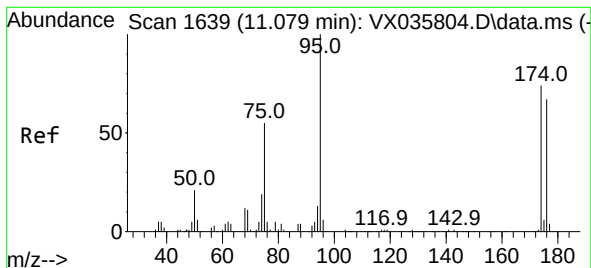
Ion Ratio Lower Upper

43 100

58 36.0 29.9 44.9

85 17.1 13.2 19.8

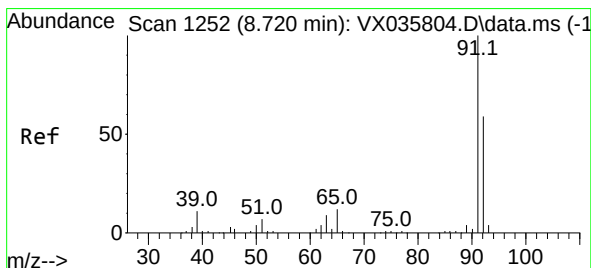
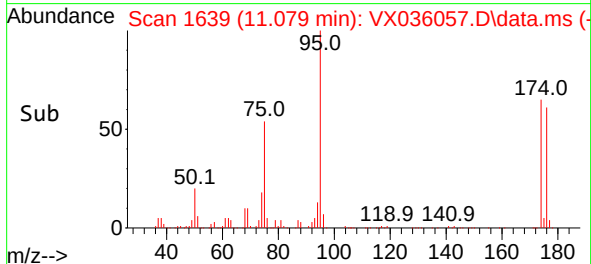
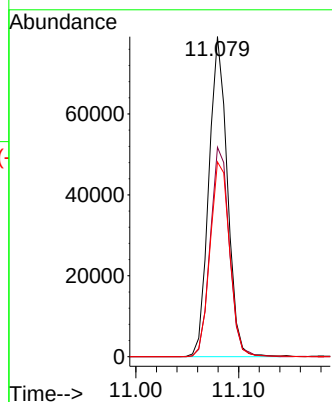
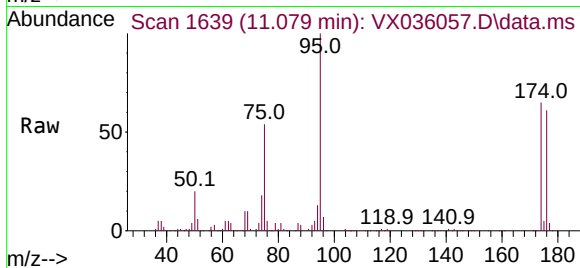




#60
4-Bromofluorobenzene
Concen: 30.720 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036057.D
Acq: 07 Jun 2023 13:53

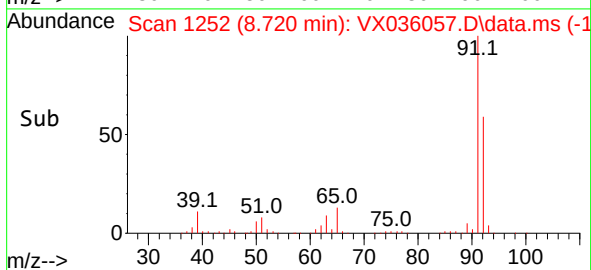
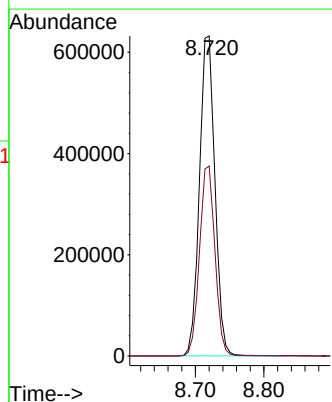
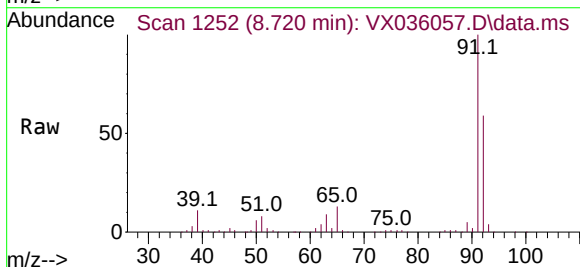
Instrument :
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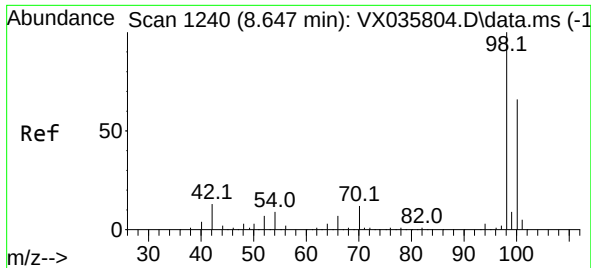
Tgt Ion: 95 Resp: 98843
Ion Ratio Lower Upper
95 100
174 67.2 0.2 0.4#
176 64.5 0.2 0.2#



#62
Toluene
Concen: 100.738 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX036057.D
Acq: 07 Jun 2023 13:53

Tgt Ion: 91 Resp: 994772
Ion Ratio Lower Upper
91 100
92 59.3 46.5 69.7

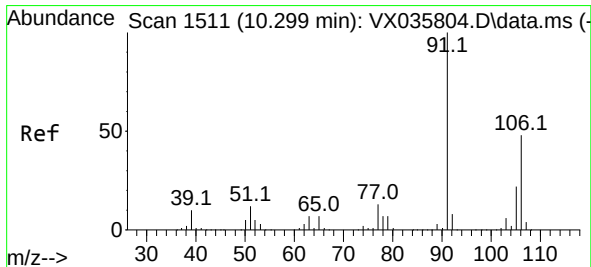
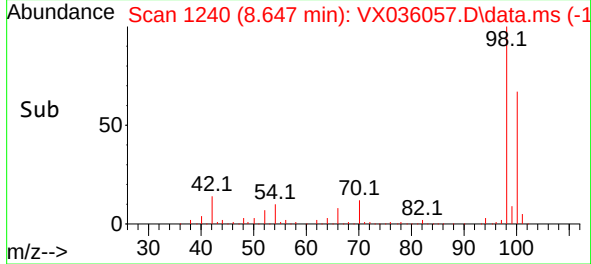
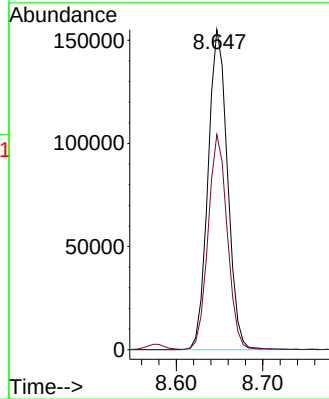
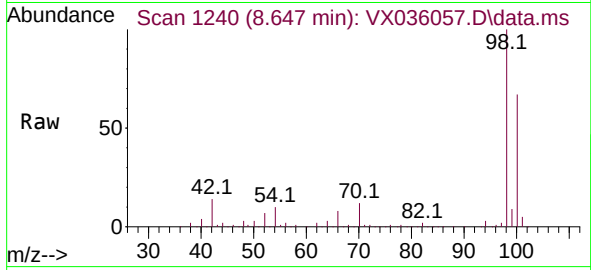




#63
Toluene-d8
Concen: 28.575 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036057.D
Acq: 07 Jun 2023 13:53

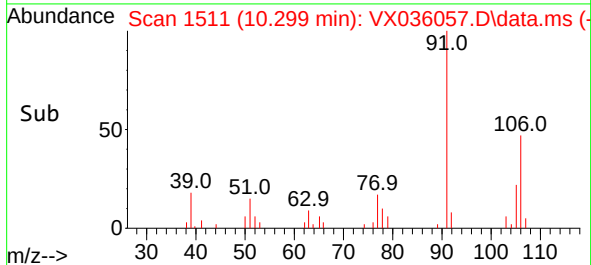
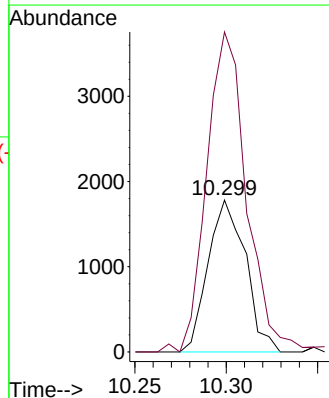
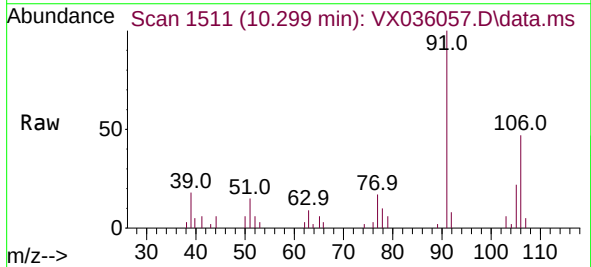
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)

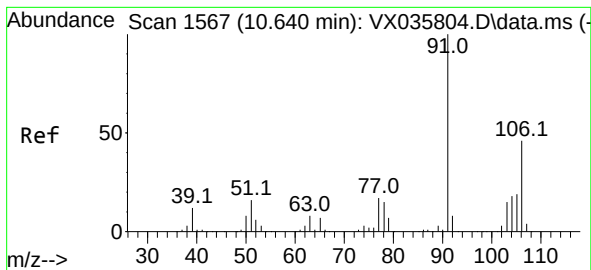
Tgt Ion: 98 Resp: 242231
Ion Ratio Lower Upper
98 100
100 65.9 52.1 78.1



#67
m/p-Xylenes
Concen: 0.608 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX036057.D
Acq: 07 Jun 2023 13:53

Tgt Ion: 106 Resp: 2540
Ion Ratio Lower Upper
106 100
91 222.4 167.4 251.2





#68

o-Xylene

Concen: 0.277 ug/l

RT: 10.640 min Scan# 1157

Delta R.T. 0.000 min

Lab File: VX036057.D

Acq: 07 Jun 2023 13:53

Instrument :

MSVOA_X

ClientSampleId :

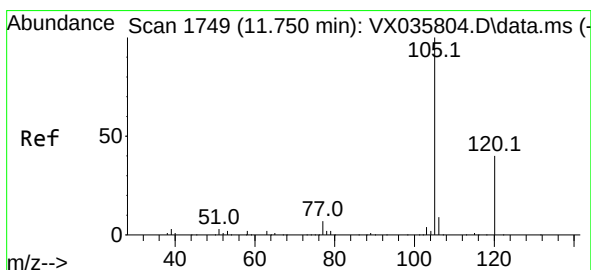
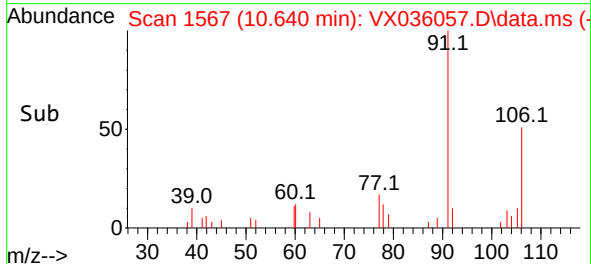
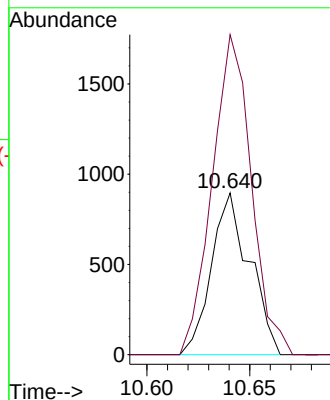
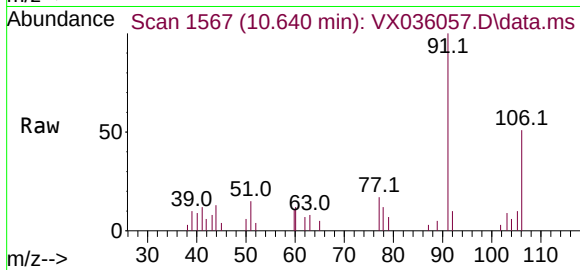
001-WILLETS-PT-BLVD(JUNE)

Tgt Ion:106 Resp: 1157

Ion Ratio Lower Upper

106 100

91 202.8 108.9 326.8



#80

1,2,4-Trimethylbenzene

Concen: 0.571 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX036057.D

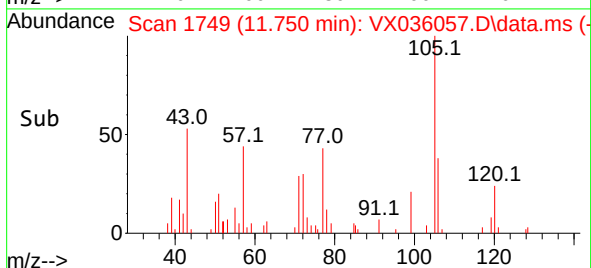
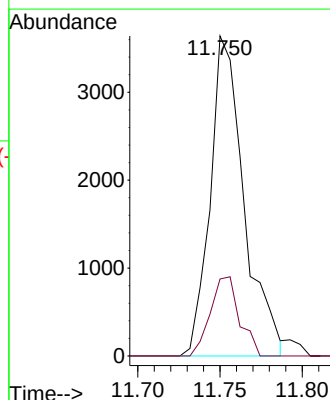
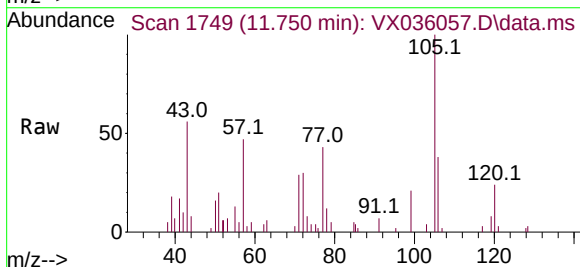
Acq: 07 Jun 2023 13:53

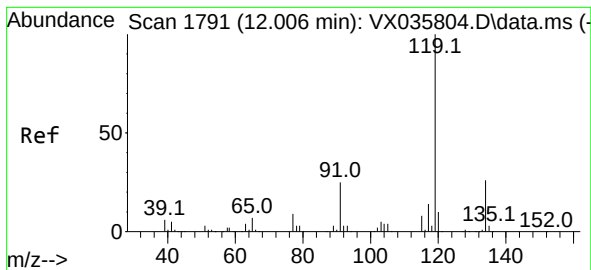
Tgt Ion:105 Resp: 5206

Ion Ratio Lower Upper

105 100

120 21.3 0.0 90.4





#82
 p-Isopropyltoluene
 Concen: 1.509 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX036057.D
 Acq: 07 Jun 2023 13:53

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

Tgt Ion:119 Resp: 13869

Ion	Ratio	Lower	Upper
119	100		
134	24.2	0.0	52.2
91	27.6	0.0	51.0

