

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071423\
 Data File : VX036542.D
 Acq On : 13 Jul 2023 21:50
 Operator : JC/MD
 Sample : 03596-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Jul 14 04:39:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 14 04:32:22 2023
 Response via : Initial Calibration

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

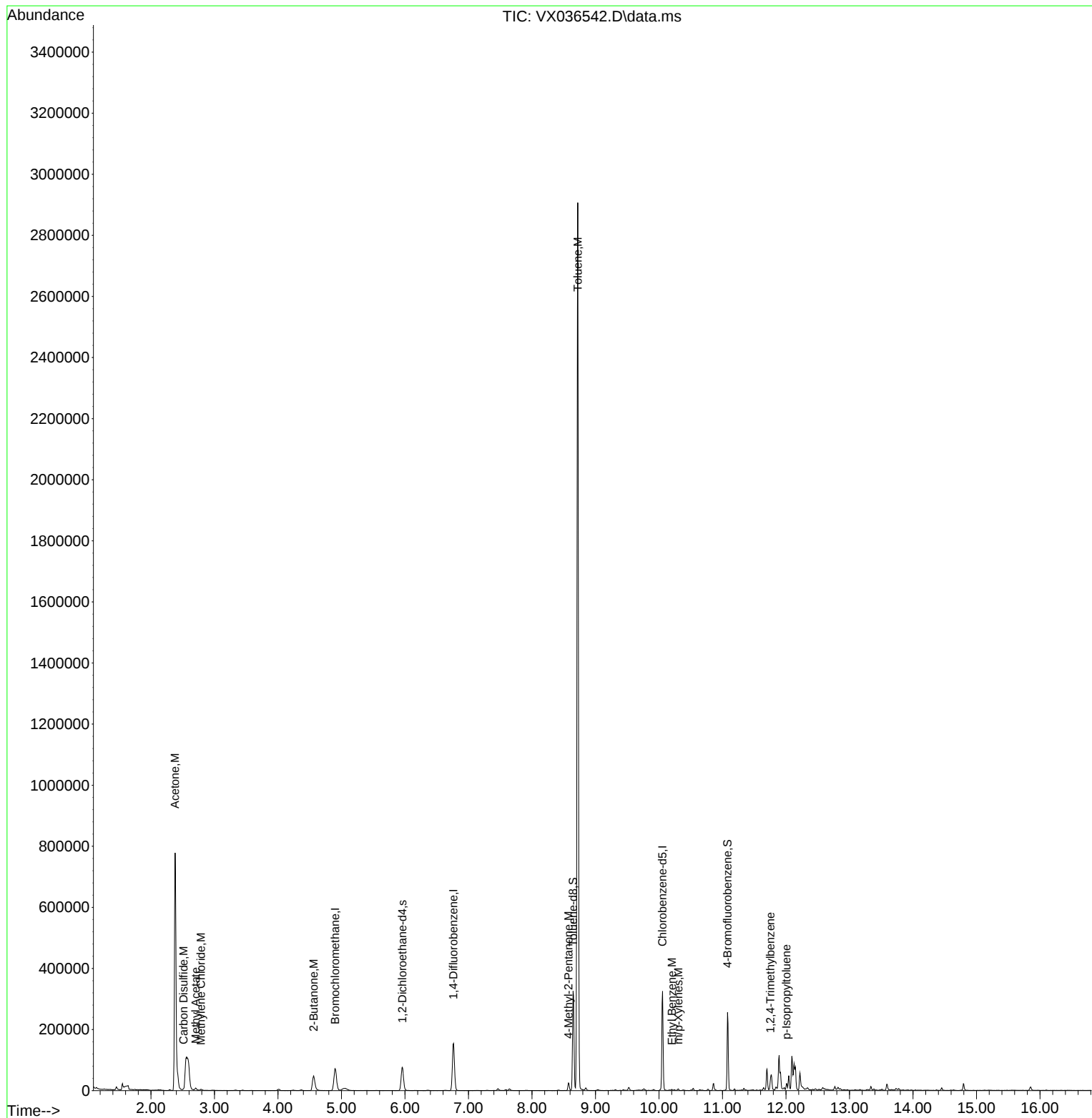
Internal Standards						
1) Bromochloromethane	4.898	128	29706	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	155871	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	142515	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	72717	29.494	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.300%		
60) 4-Bromofluorobenzene	11.079	95	67379	29.146	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	97.167%		
63) Toluene-d8	8.647	98	196456	29.957	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.867%		
Target Compounds						
					Qvalue	
12) Methyl Acetate	2.703	43	9176	2.246	ug/l #	84
15) Acetone	2.380	58	258633	797.590	ug/l	97
16) Carbon Disulfide	2.514	76	3541	0.840	ug/l	98
18) Methylene Chloride	2.788	84	1433	0.685	ug/l #	94
30) 2-Butanone	4.562	43	82065	55.450	ug/l	98
58) 4-Methyl-2-Pentanone	8.574	43	15270	5.182	ug/l	97
62) Toluene	8.720	91	1833863	229.341	ug/l	98
66) Ethyl Benzene	10.201	91	1836	0.211	ug/l	91
67) m/p-Xylenes	10.305	106	1372	0.405	ug/l	99
80) 1,2,4-Trimethylbenzene	11.756	105	7196	1.009	ug/l	48
82) p-Isopropyltoluene	12.006	119	7862	1.099	ug/l	97

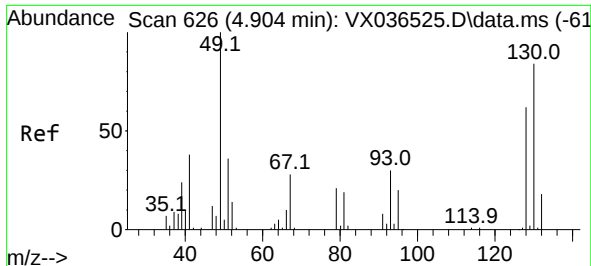
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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001-WILLETS-PT-BLVD(JULY)

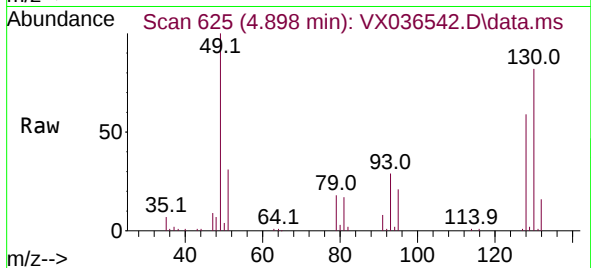
Quant Time: Jul 14 04:39:12 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071423W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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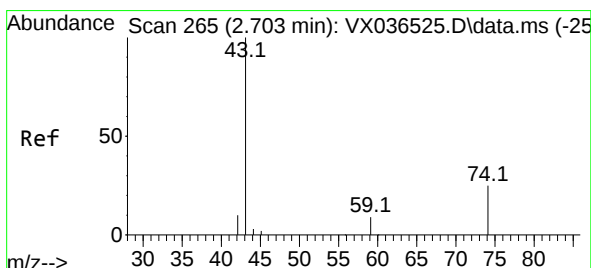
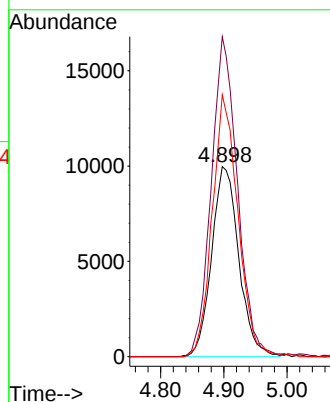
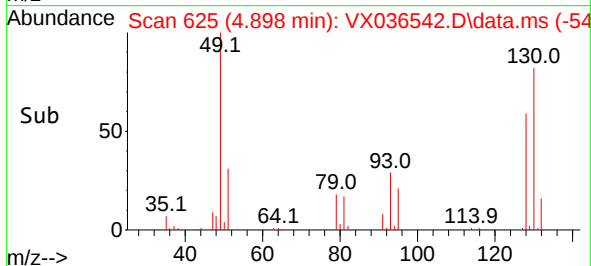


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.898 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX036542.D
Acq: 13 Jul 2023 21:50

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

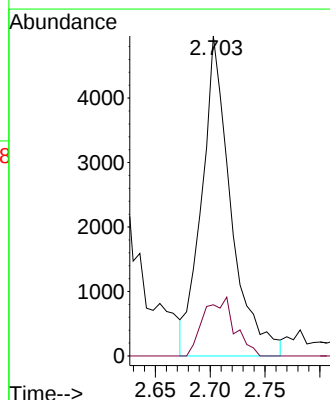
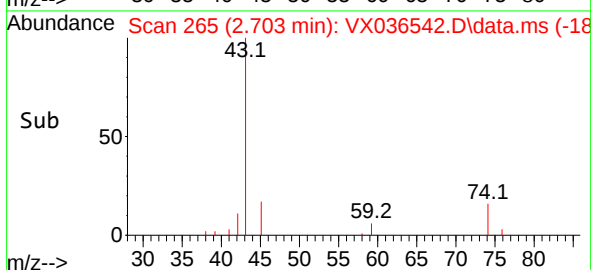
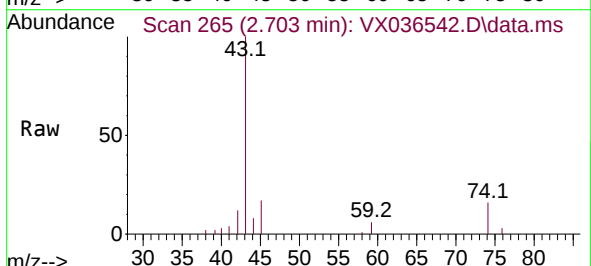


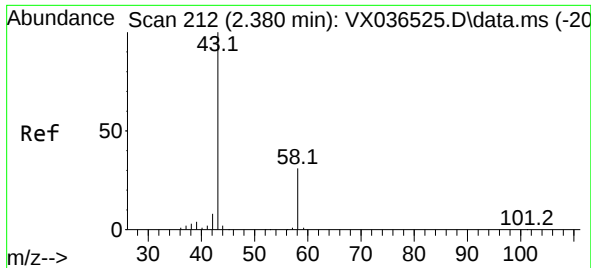
Tgt Ion:128 Resp: 29706
Ion Ratio Lower Upper
128 100
49 162.0 0.0 406.3
130 130.7 0.0 328.0



#12
Methyl Acetate
Concen: 2.246 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX036542.D
Acq: 13 Jul 2023 21:50

Tgt Ion: 43 Resp: 9176
Ion Ratio Lower Upper
43 100
74 17.4 20.3 30.5#

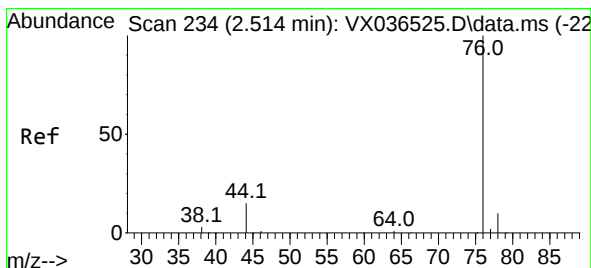
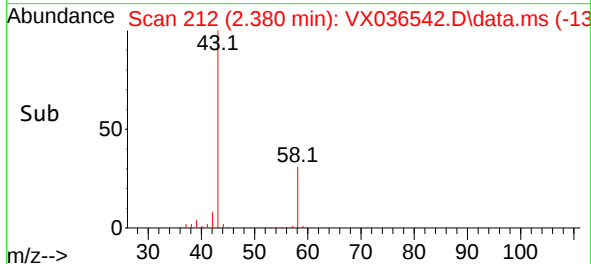
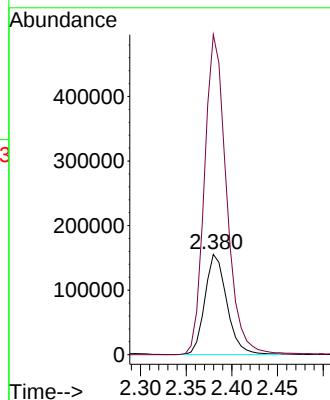
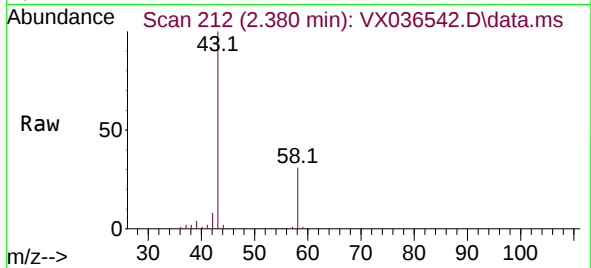




#15
Acetone
Concen: 797.590 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX036542.D
Acq: 13 Jul 2023 21:50

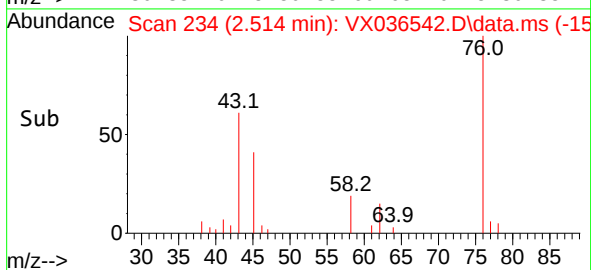
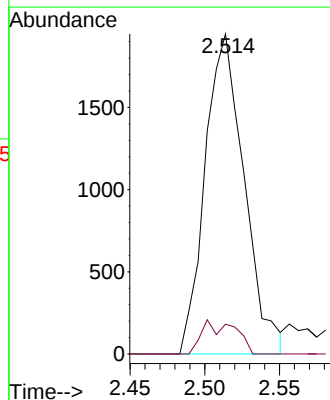
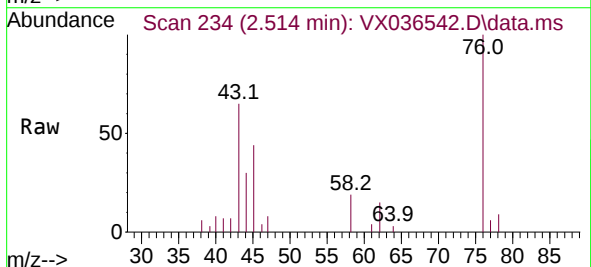
Instrument :
MSVOA_X
ClientSampleId :
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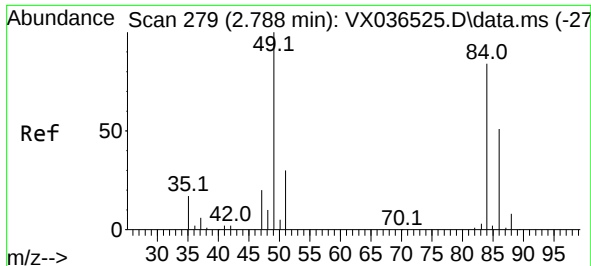
Tgt Ion: 58 Resp: 258633
Ion Ratio Lower Upper
58 100
43 319.4 261.0 391.4



#16
Carbon Disulfide
Concen: 0.840 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.000 min
Lab File: VX036542.D
Acq: 13 Jul 2023 21:50

Tgt Ion: 76 Resp: 3541
Ion Ratio Lower Upper
76 100
78 9.3 8.0 12.0

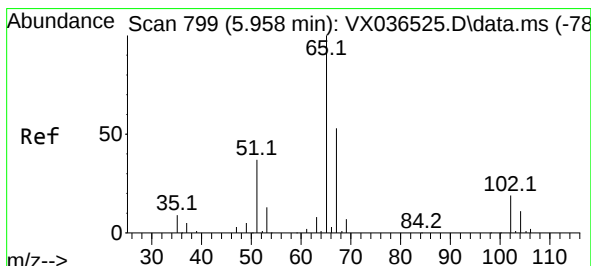
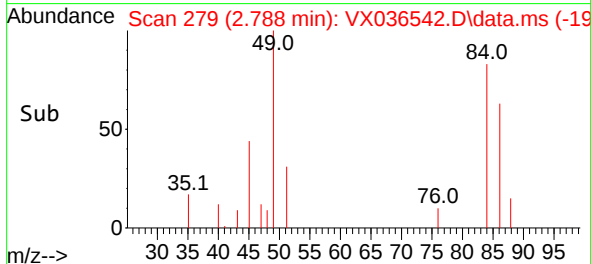
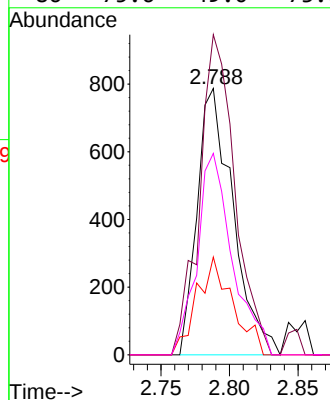
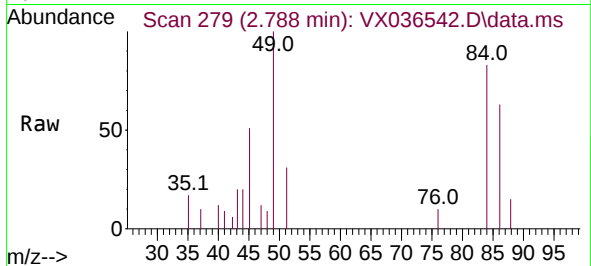




#18
Methylene Chloride
Concen: 0.685 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX036542.D
Acq: 13 Jul 2023 21:50

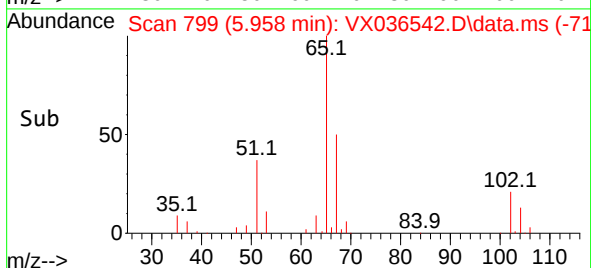
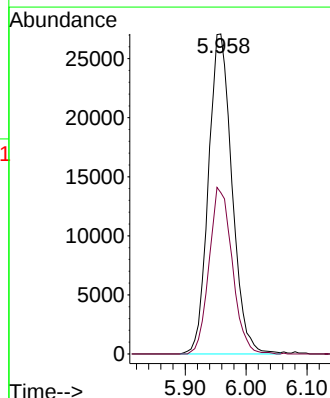
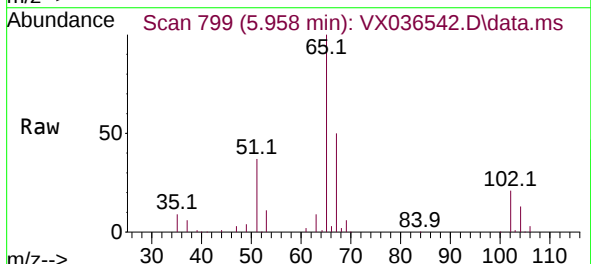
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JULY)

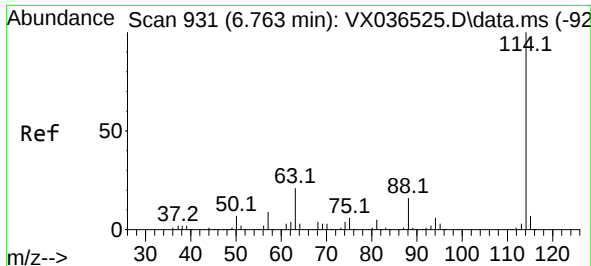
Tgt Ion:	84	Resp:	1433
Ion	Ratio	Lower	Upper
84	100		
49	120.2	95.4	143.0
51	36.7	28.3	42.5
86	75.6	49.0	73.6



#27
1,2-Dichloroethane-d4
Concen: 29.494 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX036542.D
Acq: 13 Jul 2023 21:50

Tgt Ion:	65	Resp:	72717
Ion	Ratio	Lower	Upper
65	100		
67	51.0	42.1	63.1





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX036542.D

Acq: 13 Jul 2023 21:50

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(JULY)

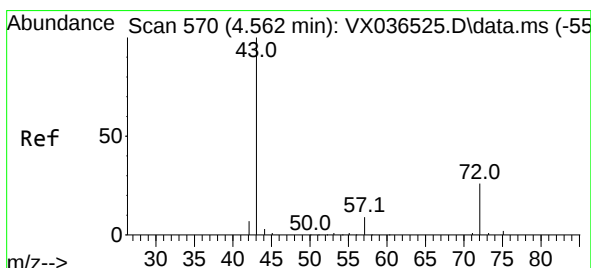
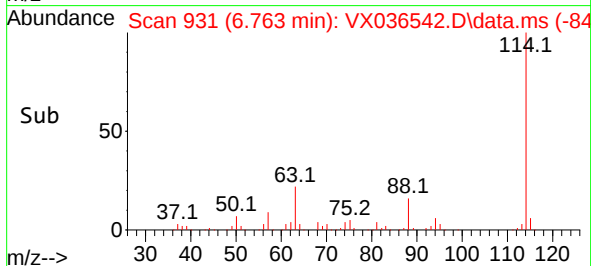
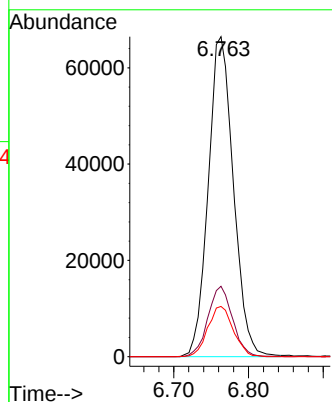
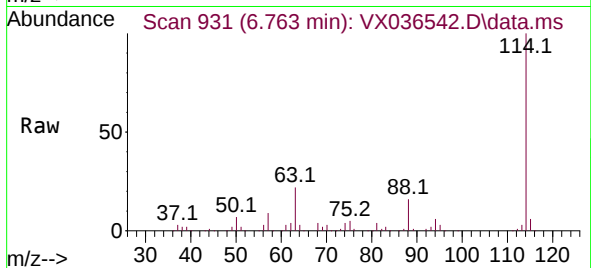
Tgt Ion:114 Resp: 155871

Ion Ratio Lower Upper

114 100

63 21.5 16.6 24.8

88 15.9 12.9 19.3



#30

2-Butanone

Concen: 55.450 ug/l

RT: 4.562 min Scan# 570

Delta R.T. 0.000 min

Lab File: VX036542.D

Acq: 13 Jul 2023 21:50

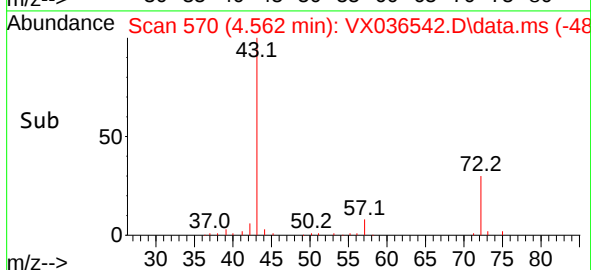
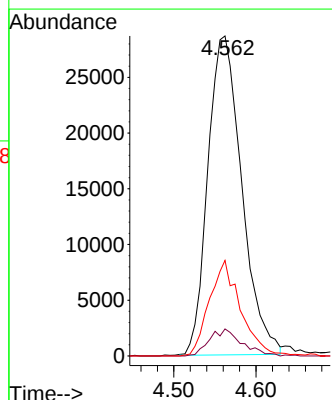
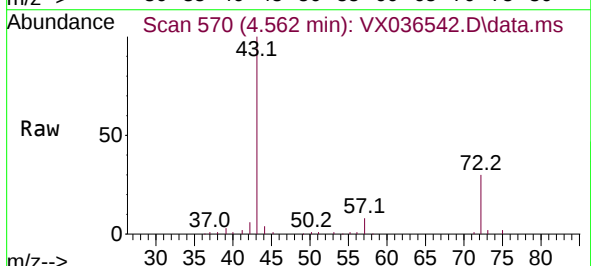
Tgt Ion: 43 Resp: 82065

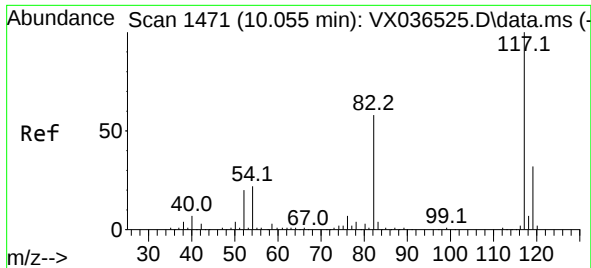
Ion Ratio Lower Upper

43 100

57 7.3 6.4 9.6

72 27.8 21.6 32.4

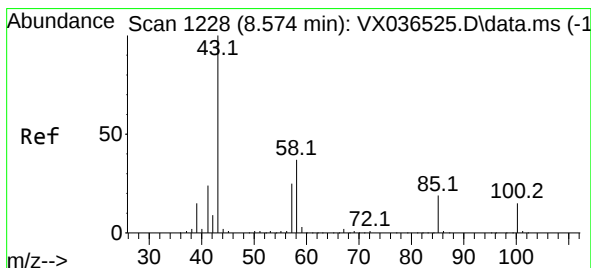
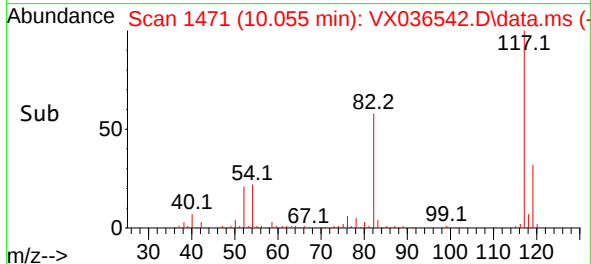
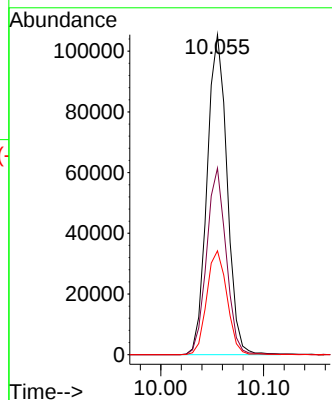
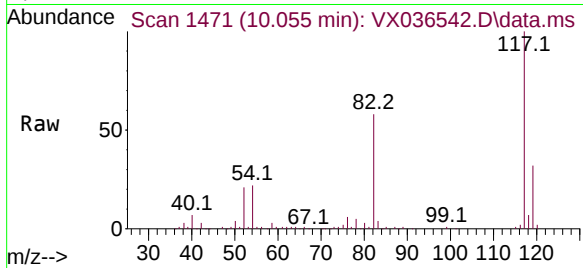




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036542.D
Acq: 13 Jul 2023 21:50

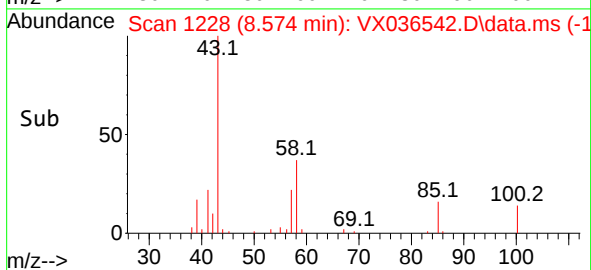
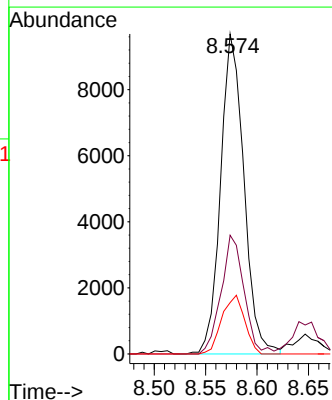
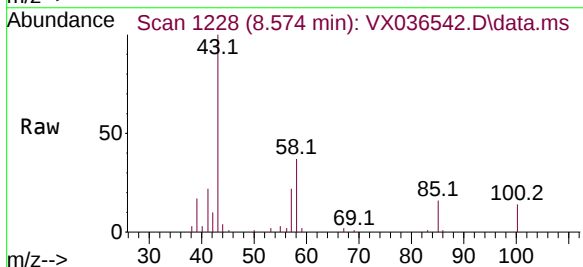
Instrument : MSVOA_X
ClientSampleId : 001-WILLETS-PT-BLVD(JULY)

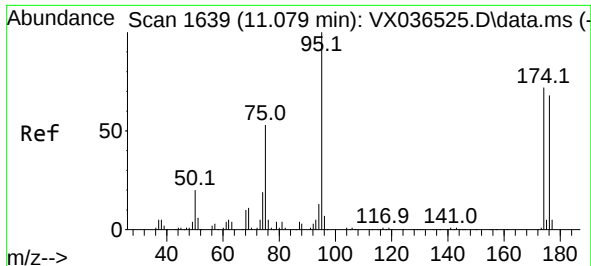
Tgt Ion:117 Resp: 142515
Ion Ratio Lower Upper
117 100
82 57.1 44.7 67.1
119 32.8 25.6 38.4



#58
4-Methyl-2-Pentanone
Concen: 5.182 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX036542.D
Acq: 13 Jul 2023 21:50

Tgt Ion: 43 Resp: 15270
Ion Ratio Lower Upper
43 100
58 35.8 30.9 46.3
85 18.0 14.4 21.6

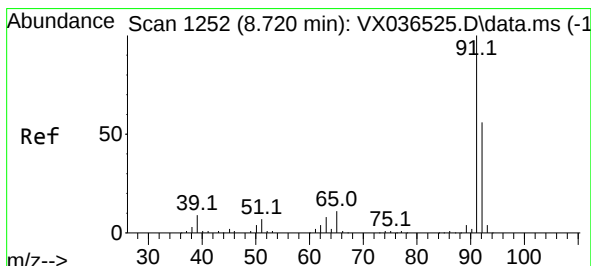
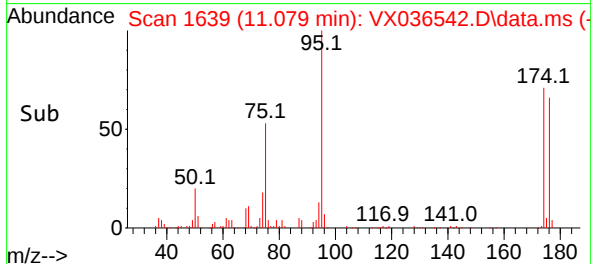
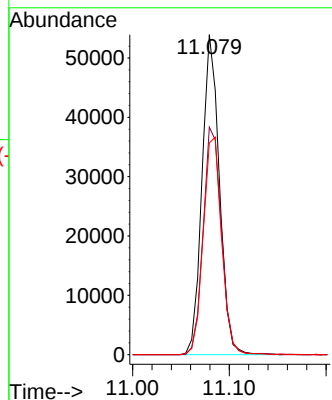
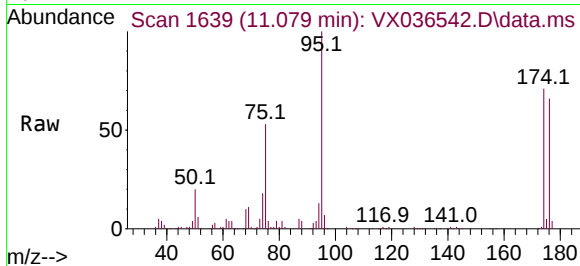




#60
4-Bromofluorobenzene
Concen: 29.146 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036542.D
Acq: 13 Jul 2023 21:50

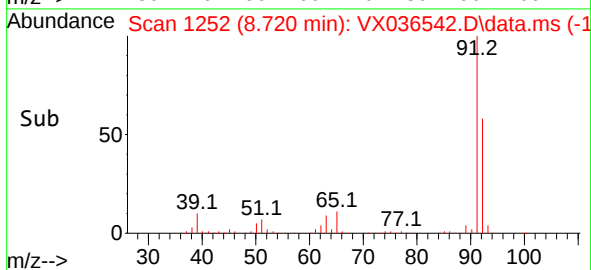
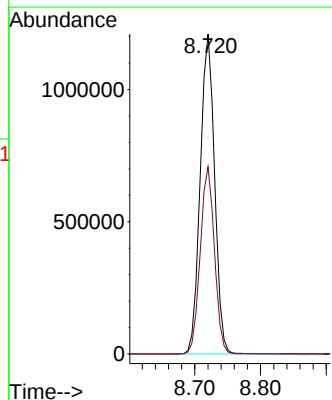
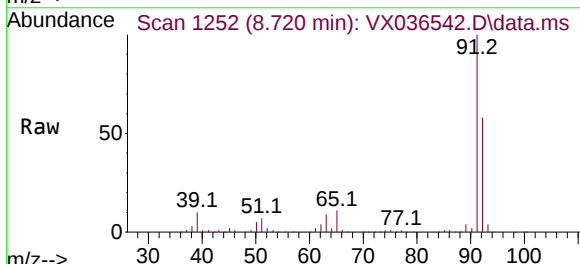
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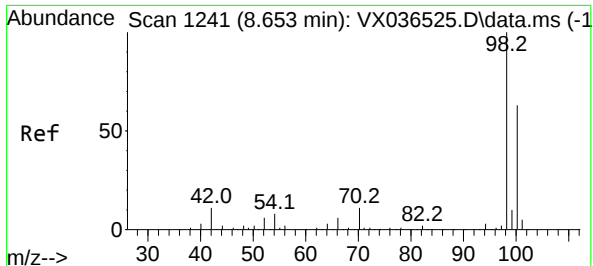
Tgt Ion: 95 Resp: 67379
Ion Ratio Lower Upper
95 100
174 74.8 60.5 90.7
176 72.0 58.2 87.4



#62
Toluene
Concen: 229.341 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX036542.D
Acq: 13 Jul 2023 21:50

Tgt Ion: 91 Resp: 1833863
Ion Ratio Lower Upper
91 100
92 57.7 44.9 67.3

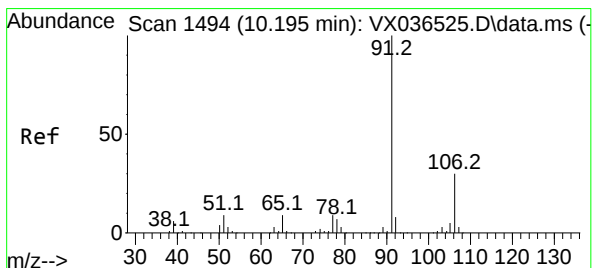
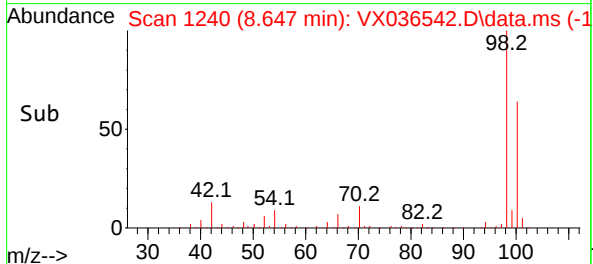
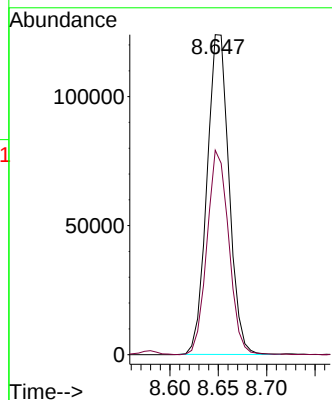
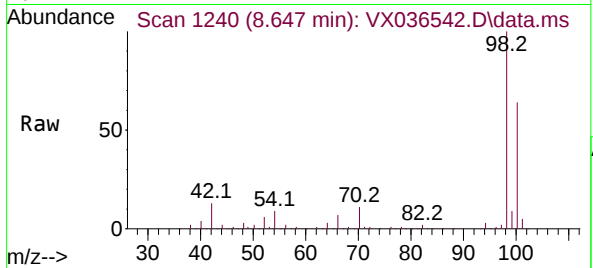




#63
Toluene-d8
Concen: 29.957 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX036542.D
Acq: 13 Jul 2023 21:50

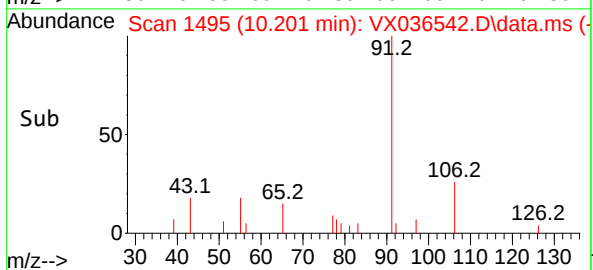
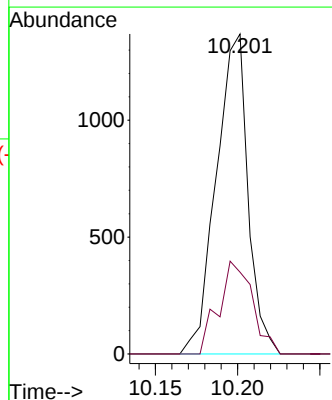
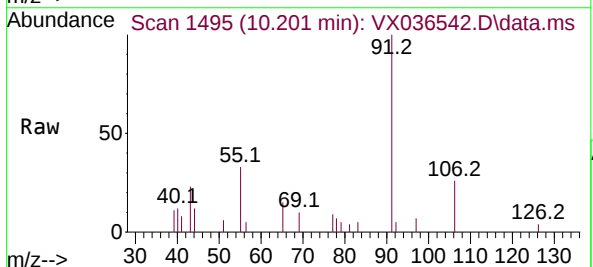
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JULY)

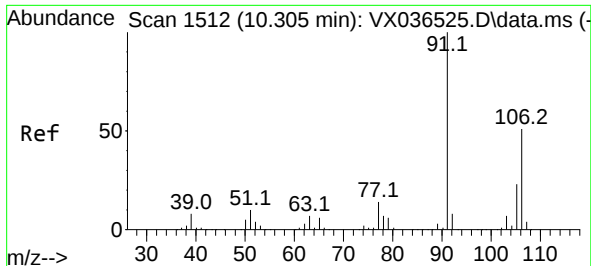
Tgt Ion: 98 Resp: 196456
Ion Ratio Lower Upper
98 100
100 63.2 51.6 77.4



#66
Ethyl Benzene
Concen: 0.211 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX036542.D
Acq: 13 Jul 2023 21:50

Tgt Ion: 91 Resp: 1836
Ion Ratio Lower Upper
91 100
106 25.6 24.2 36.4

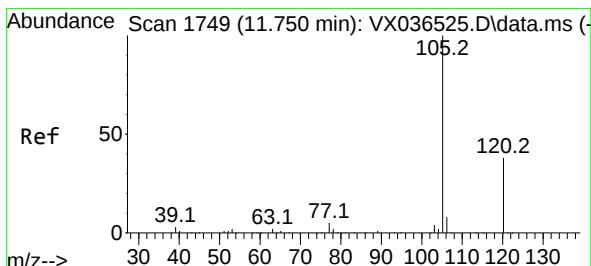
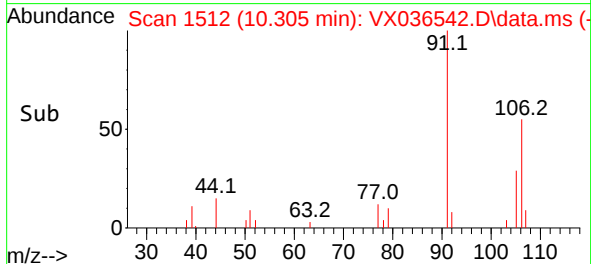
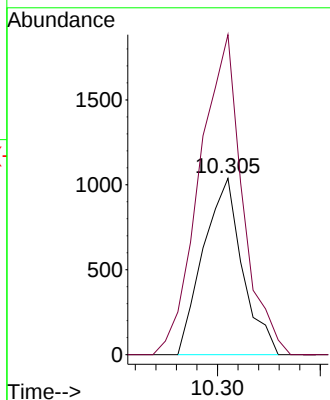
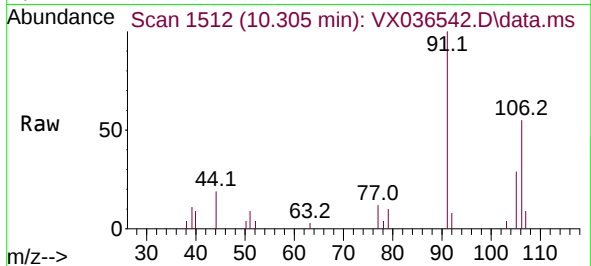




#67
m/p-Xylenes
Concen: 0.405 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036542.D
Acq: 13 Jul 2023 21:50

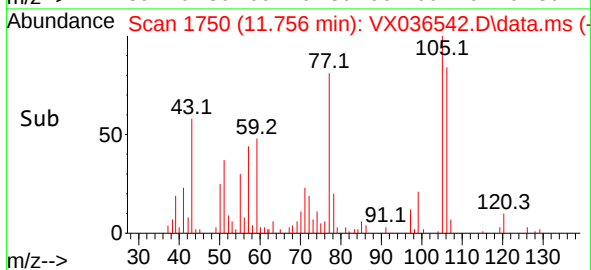
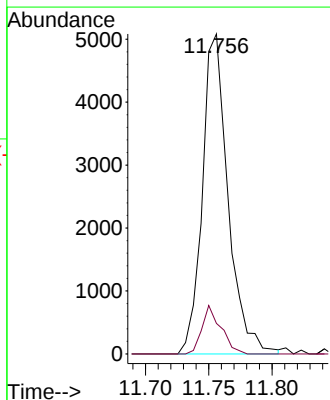
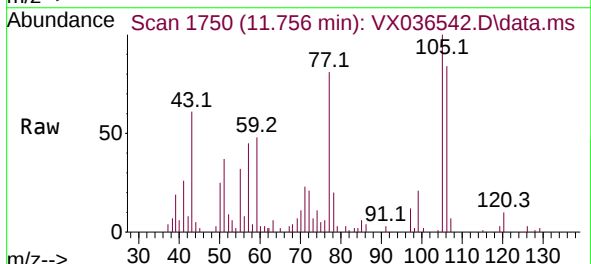
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JULY)

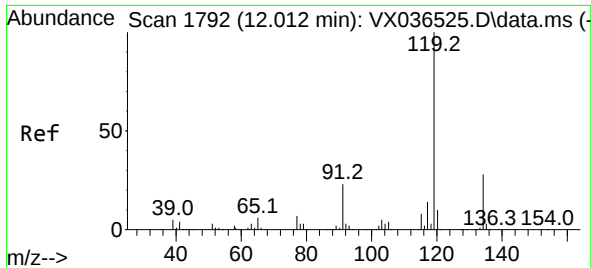
Tgt Ion:106 Resp: 1372
Ion Ratio Lower Upper
106 100
91 199.6 160.5 240.7



#80
1,2,4-Trimethylbenzene
Concen: 1.009 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX036542.D
Acq: 13 Jul 2023 21:50

Tgt Ion:105 Resp: 7196
Ion Ratio Lower Upper
105 100
120 11.2 0.0 90.2





#82
 p-Isopropyltoluene
 Concen: 1.099 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VX036542.D
 Acq: 13 Jul 2023 21:50

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

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.3	0.0	53.2
91	25.9	0.0	49.4

