

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020819\
 Data File : VX007444.D
 Acq On : 08 Feb 2019 16:09
 Operator : JC/SP
 Sample : K1415-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 001M-WILLETS-PT-BLVD(FEB)

Quant Time: Feb 11 09:37:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X012519W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jan 28 10:35:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	77678	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	408038	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	367230	30.00	ug/l	0.00

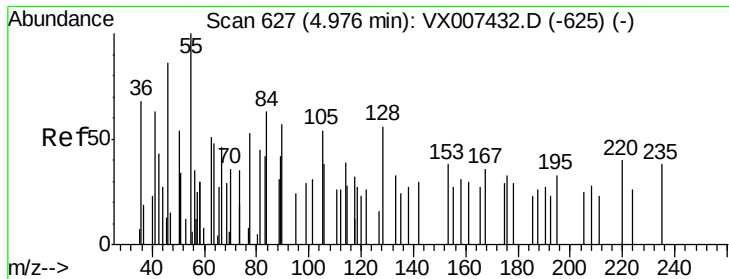
System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	154013	30.20	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.67%
60) 4-Bromofluorobenzene	11.13	95	168407	29.71	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.03%
63) Toluene-d8	8.71	98	482030	29.12	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.07%

Target Compounds

					Ovalue
15) Acetone	2.45	58	1194095	1643.450	ug/l 90
16) Carbon Disulfide	2.57	76	7829	0.810	ug/l # 81
30) 2-Butanone	4.70	43	18684	5.879	ug/l 98
58) 4-Methyl-2-Pentanone	8.65	43	13504	2.199	ug/l 93
62) Toluene	8.79	91	238859	12.922	ug/l 100
67) m/p-Xylenes	10.35	106	2801	0.354	ug/l 93
79) tert-butylbenzene	12.06	119	14675	0.792	ug/l 95
80) 1,2,4-Trimethylbenzene	11.81	105	14520	0.838	ug/l 54
82) p-Isopropyltoluene	12.06	119	14675	0.792	ug/l 95

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. -0.00 min

Lab File: VX007444.D

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MSVOA_X

ClientSampleId :

001M-WILLETS-PT-BLVD(FEB)

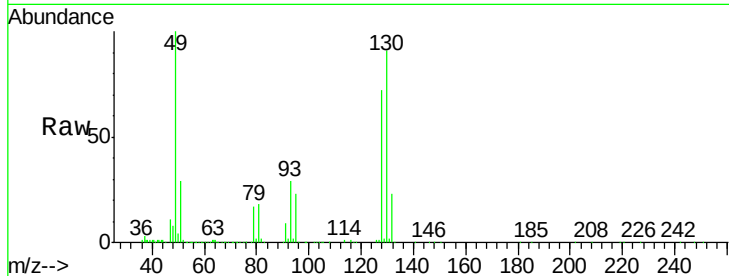
Tot Ion:128 Resp: 77678

Ion Ratio Lower Upper

128 100

49 135.9 0.0 345.5

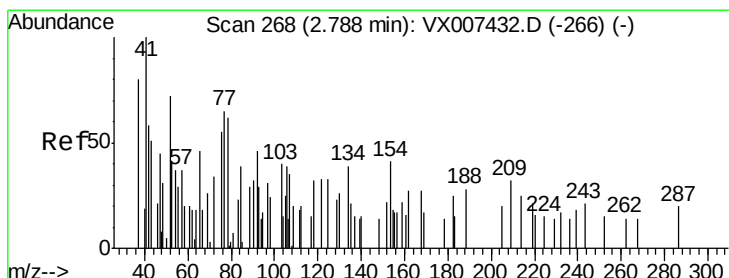
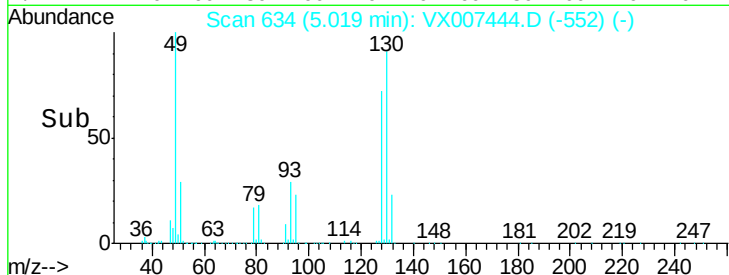
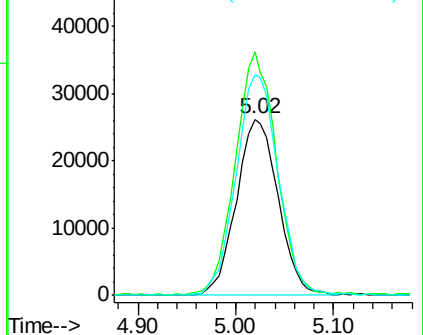
130 126.7 0.0 320.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#15

Acetone

Concen: 1643.450 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007444.D

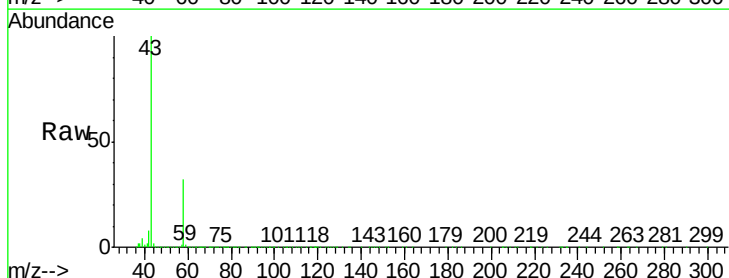
Acq: 08 Feb 2019 16:09

Tgt Ion: 58 Resp: 1194095

Ion Ratio Lower Upper

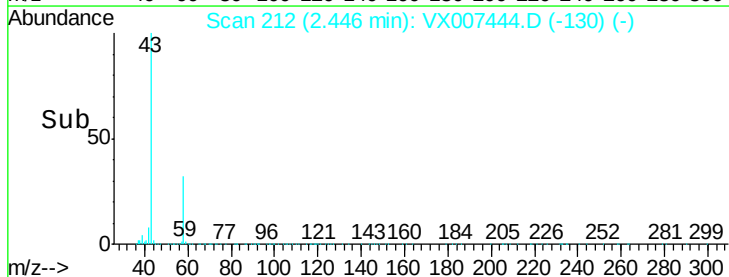
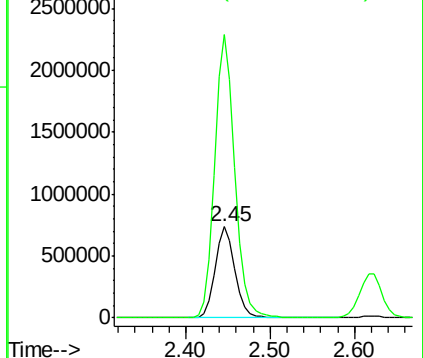
58 100

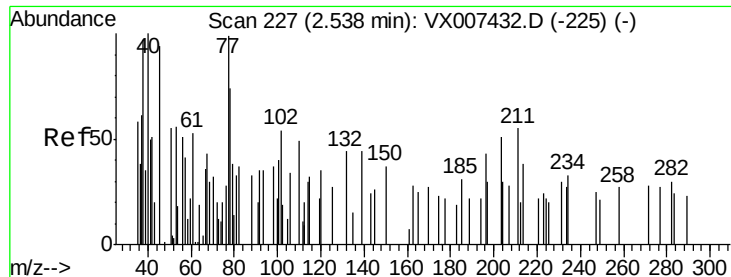
43 311.7 265.9 398.9



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

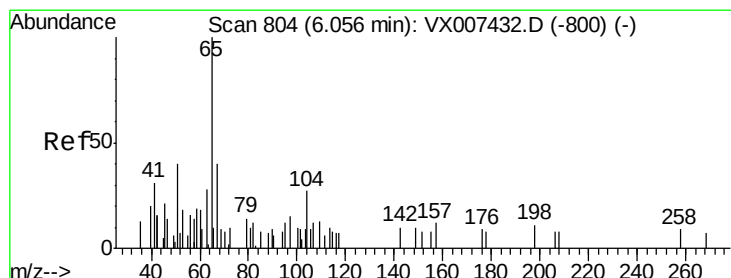
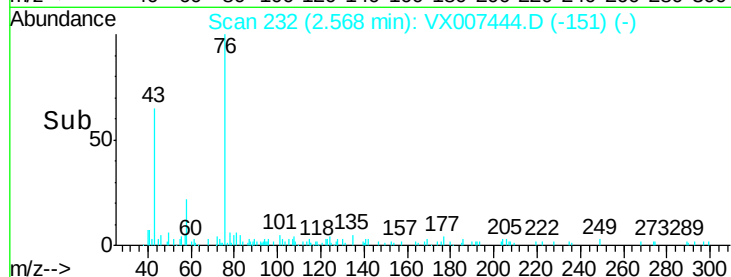
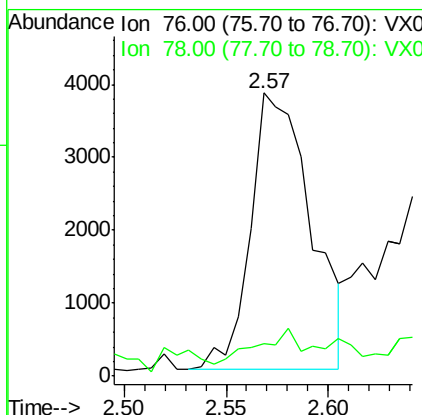
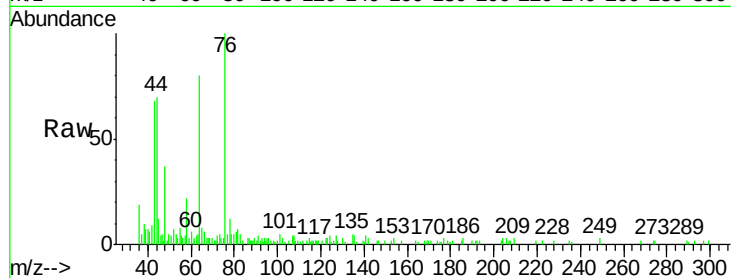




#16
Carbon Disulfide
Concen: 0.810 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.01 min
Lab File: VX007444.D
Acq: 08 Feb 2019 16:09

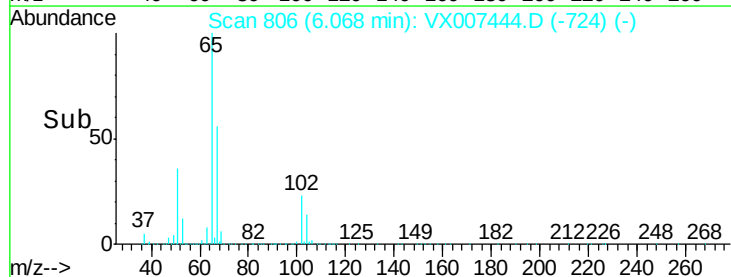
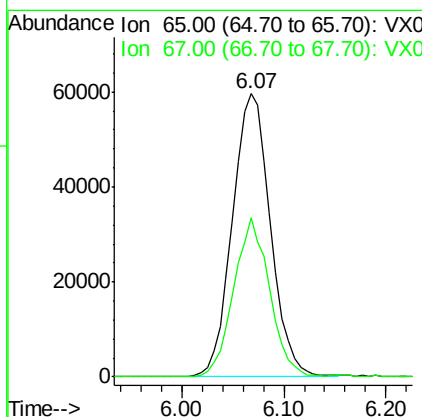
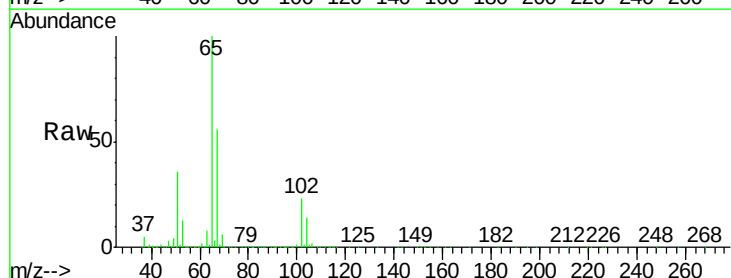
Instrument :
MSVOA_X
ClientSampleId :
001M-WILLETS-PT-BLVD(FEB)

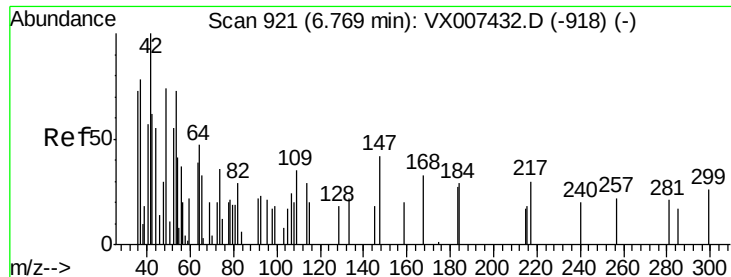
Tot Ion: 76 Resp: 7829
Ion Ratio Lower Upper
76 100
78 2.5 7.7 11.5#



#27
1,2-Dichloroethane-d4
Concen: 30.205 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX007444.D
Acq: 08 Feb 2019 16:09

Tgt Ion: 65 Resp: 154013
Ion Ratio Lower Upper
65 100
67 52.9 42.0 63.0





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007444.D

Acq: 08 Feb 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

001M-WILLETS-PT-BLVD(FEB)

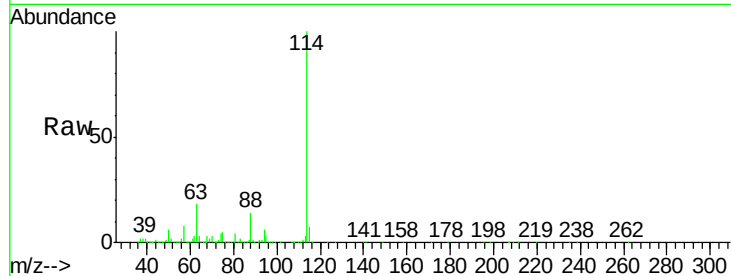
Tot Ion:114 Resp: 408038

Ion Ratio Lower Upper

114 100

63 0.0 14.6 21.8#

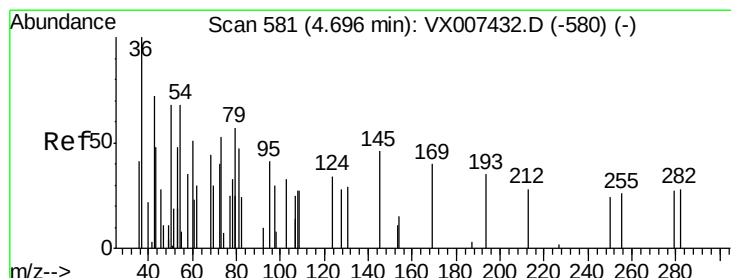
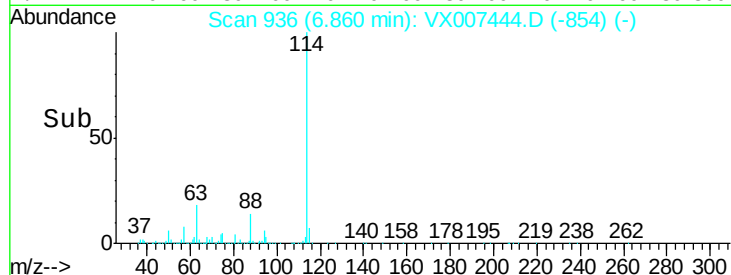
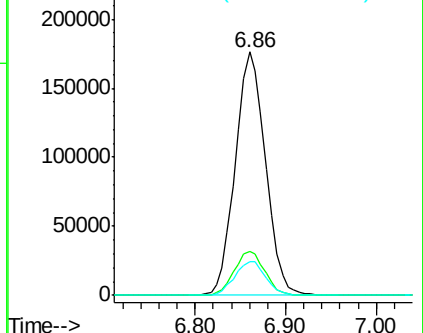
88 14.3 11.8 17.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0



#30

2-Butanone

Concen: 5.879 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.00 min

Lab File: VX007444.D

Acq: 08 Feb 2019 16:09

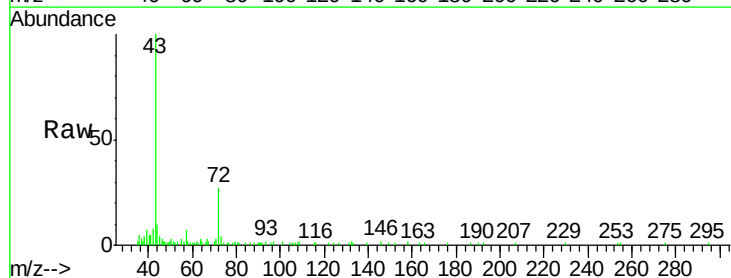
Tgt Ion: 43 Resp: 18684

Ion Ratio Lower Upper

43 100

57 4.8 3.3 4.9

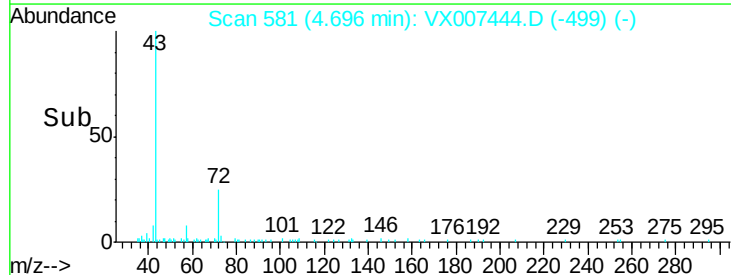
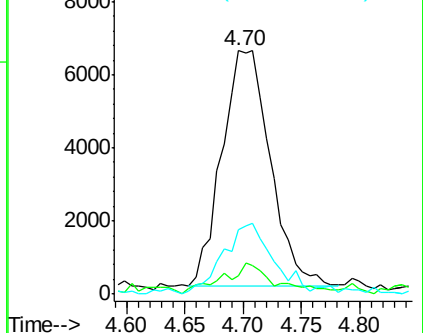
72 28.7 22.0 33.0

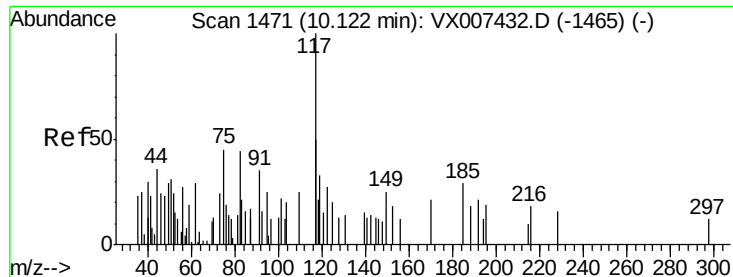


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

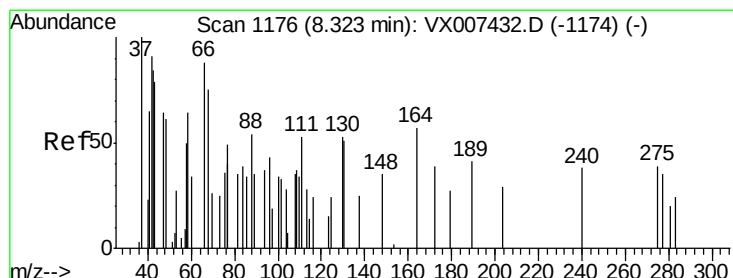
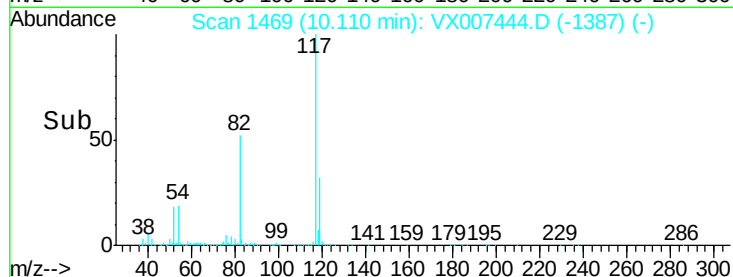
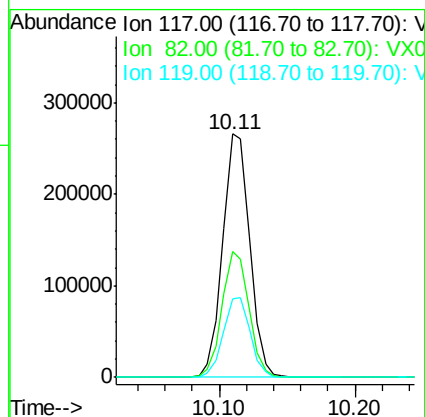
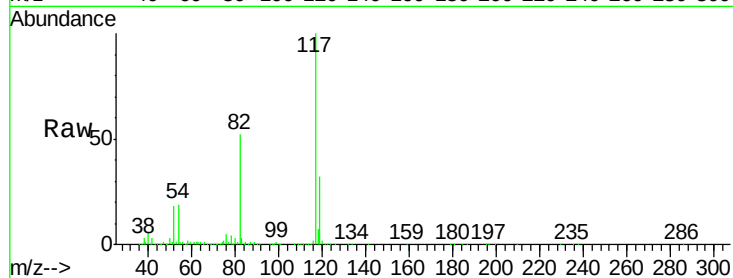




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007444.D
Acq: 08 Feb 2019 16:09

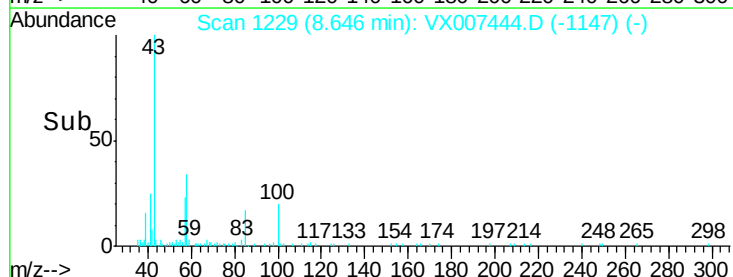
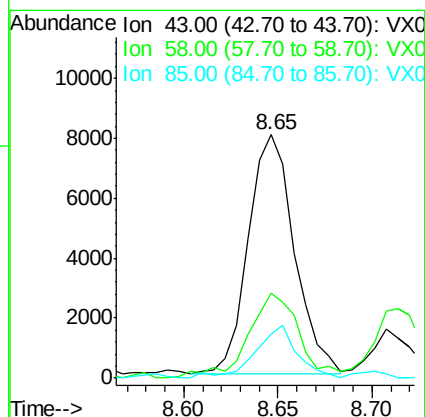
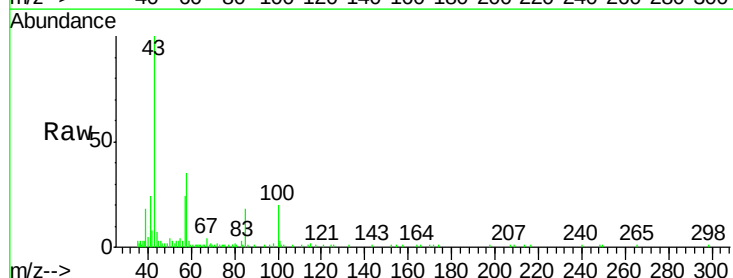
Instrument :
MSVOA_X
ClientSampleId :
001M-WILLETS-PT-BLVD(FEB)

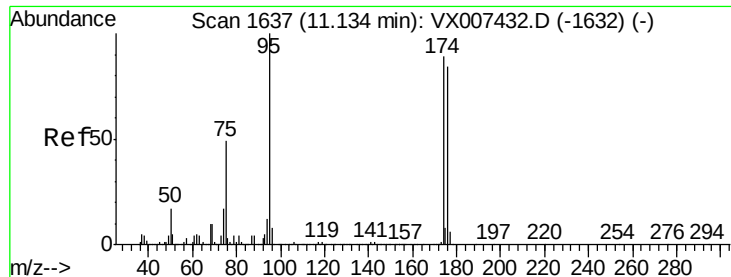
Tot Ion:117 Resp: 367230
Ion Ratio Lower Upper
117 100
82 51.3 41.4 62.0
119 32.8 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 2.199 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VX007444.D
Acq: 08 Feb 2019 16:09

Tgt Ion: 43 Resp: 13504
Ion Ratio Lower Upper
43 100
58 33.8 31.6 47.4
85 19.2 14.9 22.3

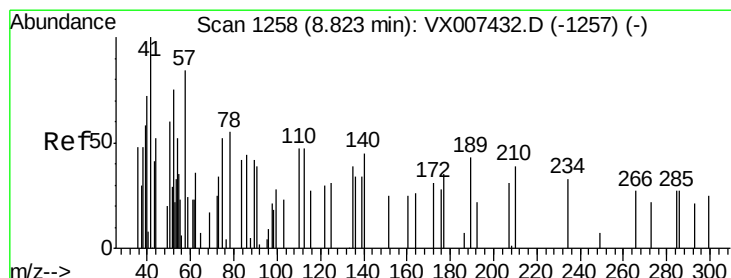
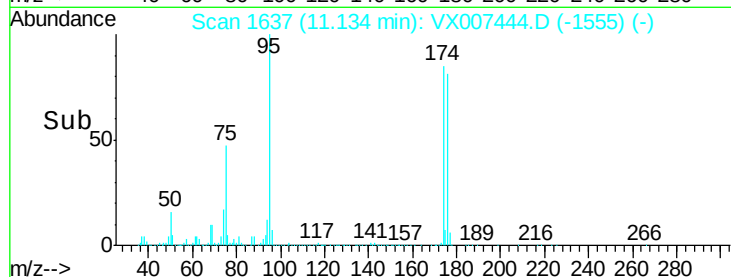
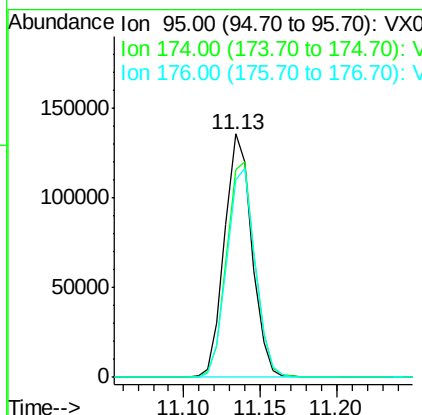
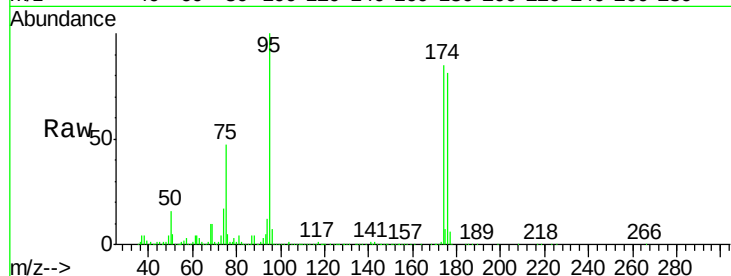




#60
4-Bromofluorobenzene
Concen: 29.712 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007444.D
Acq: 08 Feb 2019 16:09

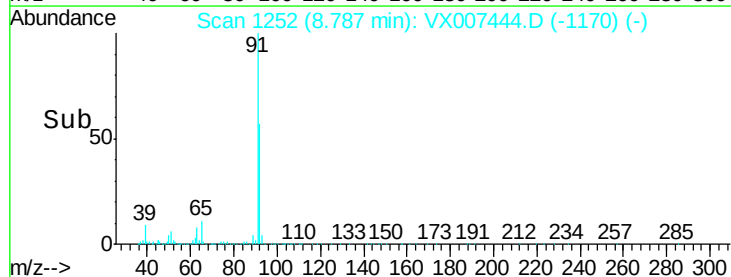
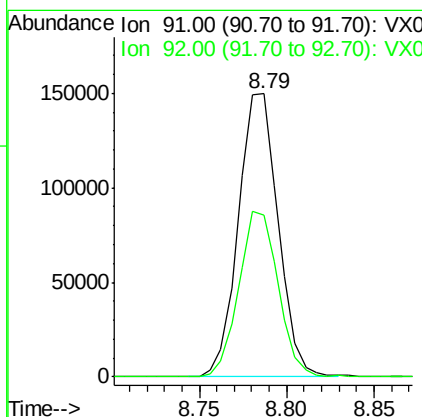
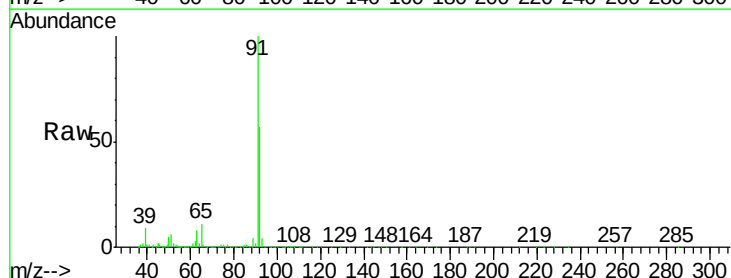
Instrument :
MSVOA_X
ClientSampleId :
001M-WILLETS-PT-BLVD(FEB)

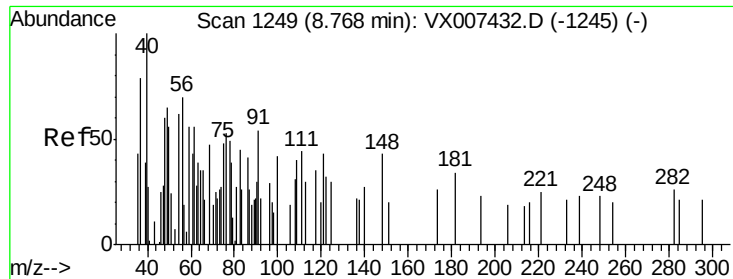
Tot Ion: 95 Resp: 168407
Ion Ratio Lower Upper
95 100
174 91.6 74.8 112.2
176 88.8 72.5 108.7



#62
Toluene
Concen: 12.922 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX007444.D
Acq: 08 Feb 2019 16:09

Tgt Ion: 91 Resp: 238859
Ion Ratio Lower Upper
91 100
92 57.6 46.0 69.0





#63

Toluene-d8

Concen: 29.121 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007444.D

Acq: 08 Feb 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

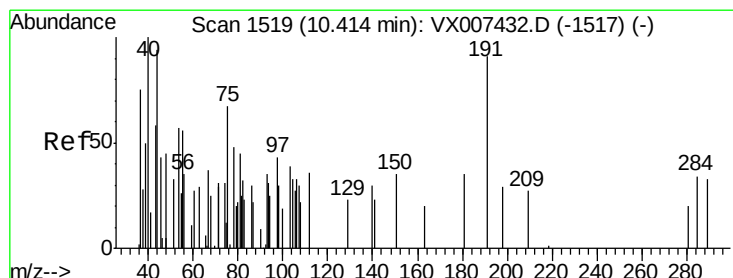
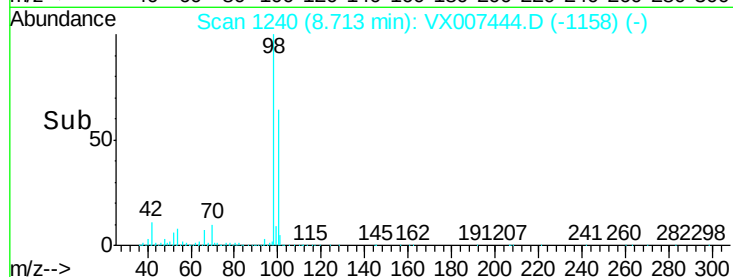
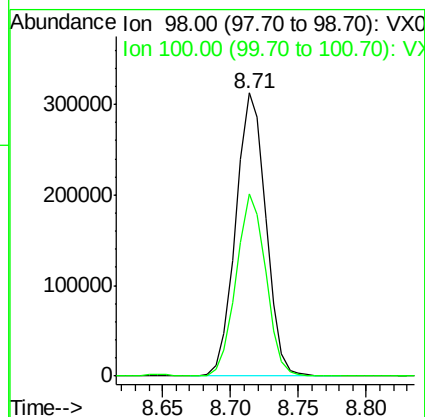
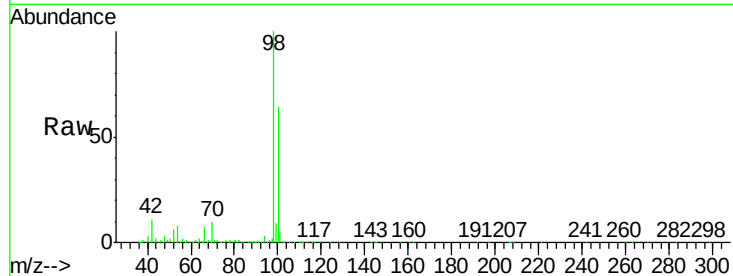
001M-WILLETS-PT-BLVD(FEB)

Tot Ion: 98 Resp: 482030

Ion Ratio Lower Upper

98 100

100 63.5 49.9 74.9



#67

m/p-Xylenes

Concen: 0.354 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX007444.D

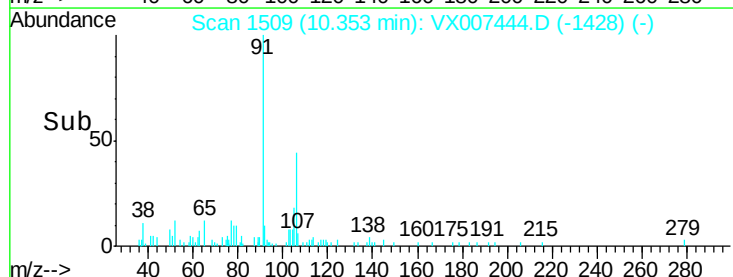
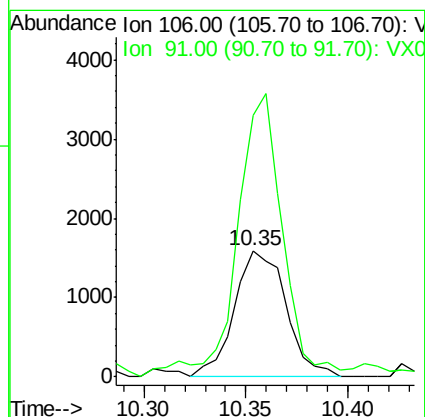
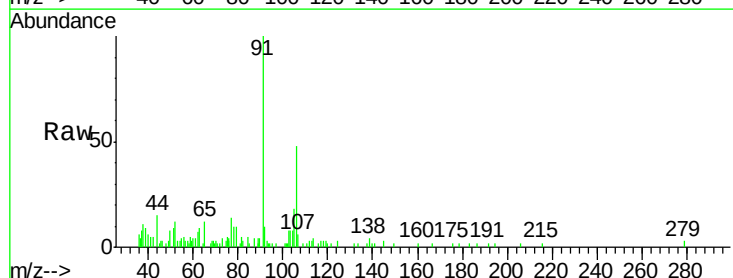
Acq: 08 Feb 2019 16:09

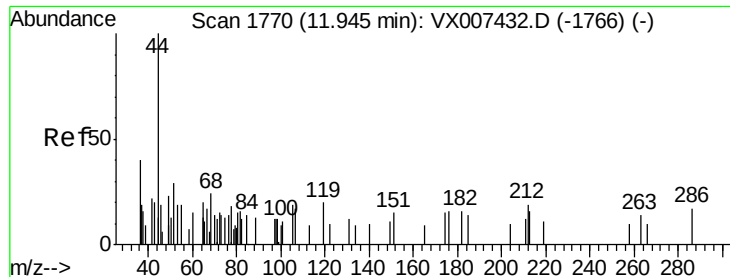
Tgt Ion: 106 Resp: 2801

Ion Ratio Lower Upper

106 100

91 185.9 157.6 236.4





#79

tert-butylbenzene

Concen: 0.792 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX007444.D

Acq: 08 Feb 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

001M-WILLETS-PT-BLVD(FEB)

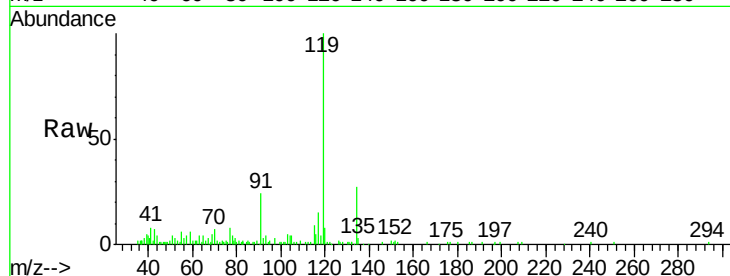
Tot Ion:119 Resp: 14675

Ion Ratio Lower Upper

119 100

91 25.4 0.0 45.0

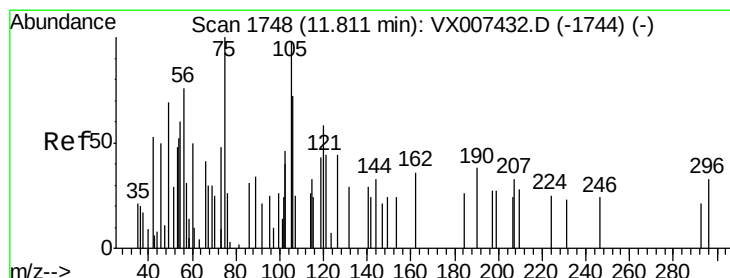
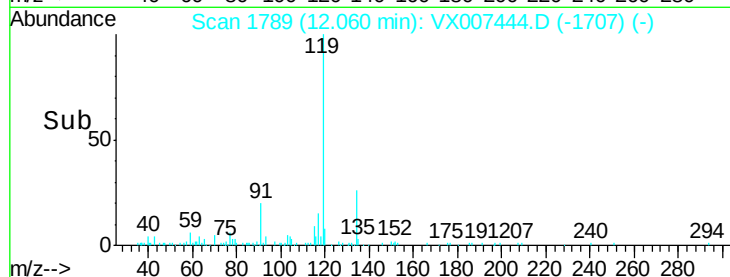
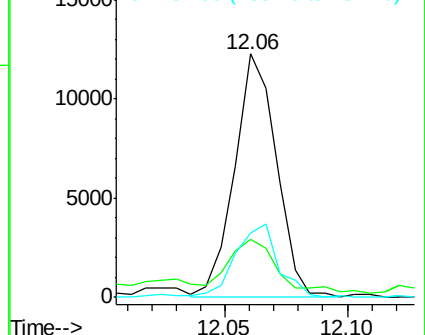
134 30.6 0.0 55.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 0.838 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VX007444.D

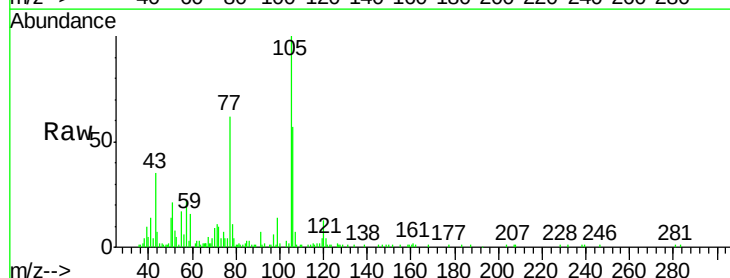
Acq: 08 Feb 2019 16:09

Tgt Ion:105 Resp: 14520

Ion Ratio Lower Upper

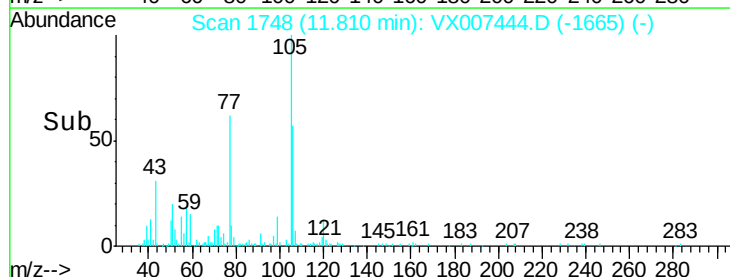
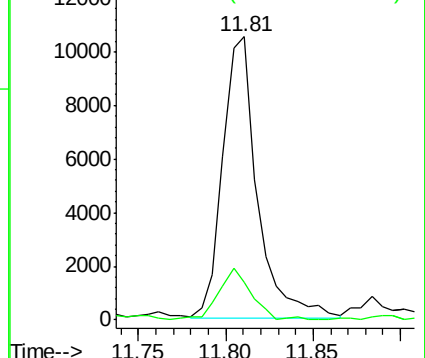
105 100

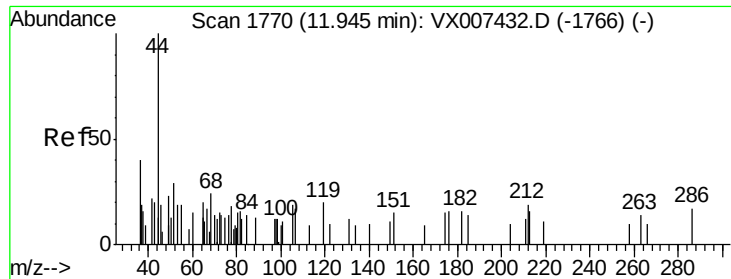
120 16.2 0.0 94.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#82
 p-Isopropyltoluene
 Concen: 0.792 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX007444.D
 Acq: 08 Feb 2019 16:09

Instrument :
 MSVOA_X
 ClientSampleId :
 001M-WILLETS-PT-BLVD(FEB)

Tot Ion	Ion	Ratio	Lower	Upper
119	100			
134	30.6	0.0	55.8	
91	25.4	0.0	45.0	

