

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX031119\
 Data File : VX007965.D
 Acq On : 11 Mar 2019 12:37
 Operator : JC/SP
 Sample : K1812-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Mar 12 10:01:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X030819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 08 12:01:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	39400	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	207566	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	182785	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	78515	30.32	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.07%
60) 4-Bromofluorobenzene	11.13	95	83155	28.50	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.00%
63) Toluene-d8	8.71	98	247983	29.65	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.83%

Target Compounds

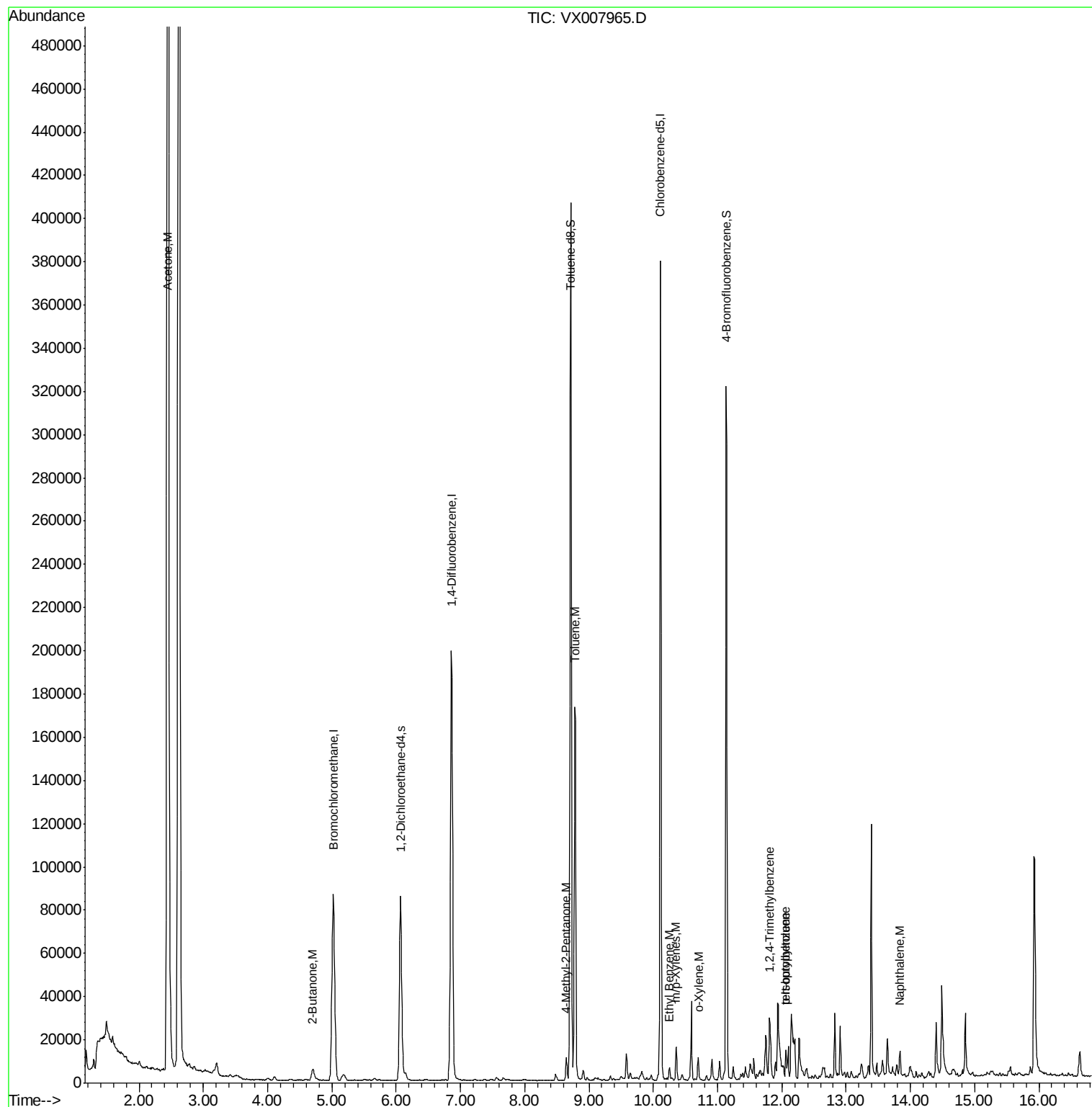
					Qvalue
15) Acetone	2.45	58	499795	901.898	ug/l 98
30) 2-Butanone	4.71	43	9969	4.491	ug/l 99
58) 4-Methyl-2-Pentanone	8.65	43	6411	1.704	ug/l 99
62) Toluene	8.78	91	115278	10.801	ug/l 99
66) Ethyl Benzene	10.25	91	3308	0.289	ug/l 100
67) m/p-Xylenes	10.35	106	3677	0.836	ug/l 86
68) o-Xylene	10.69	106	2284	0.535	ug/l 97
79) tert-butylbenzene	12.06	119	5204	0.513	ug/l 96
80) 1,2,4-Trimethylbenzene	11.80	105	8585	0.895	ug/l 67
82) p-Isopropyltoluene	12.06	119	5204	0.513	ug/l 96
91) Naphthalene	13.83	128	4061	0.369	ug/l # 95

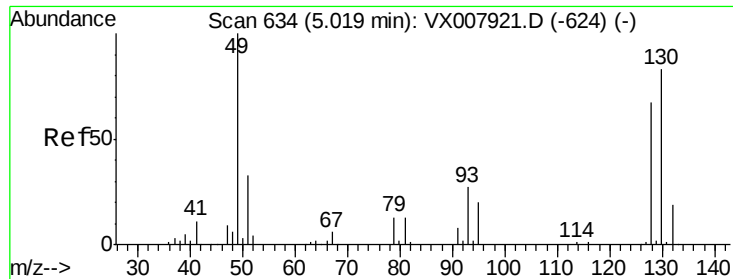
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX031119\
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Sample : K1812-01
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ClientSampleId :
001M-WILLETS-PT-BLVD(MAR)

Quant Time: Mar 12 10:01:48 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\624X030819W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Mar 08 12:01:36 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.00 min

Lab File: VX007965.D

Acq: 11 Mar 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

001M-WILLETS-PT-BLVD(MAR)

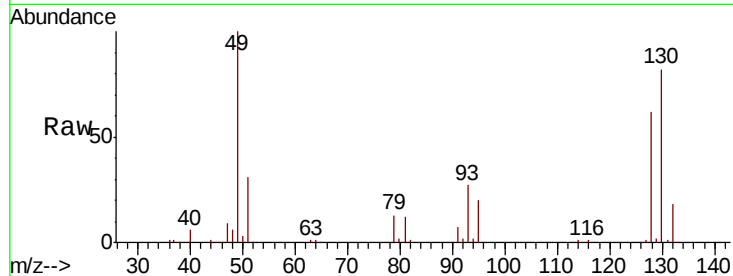
Tgt Ion:128 Resp: 39400

Ion Ratio Lower Upper

128 100

49 154.5 0.0 350.8

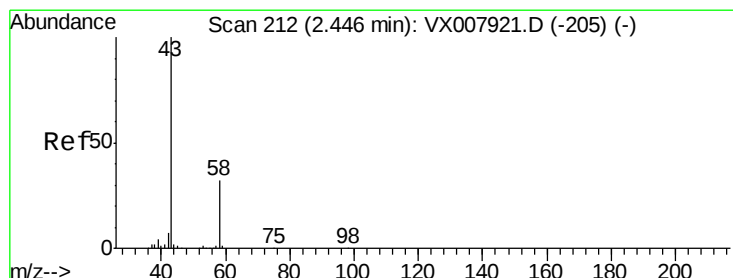
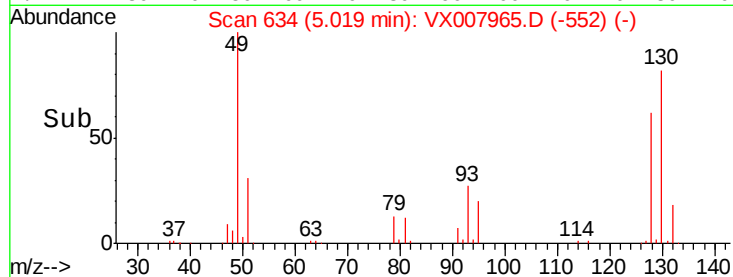
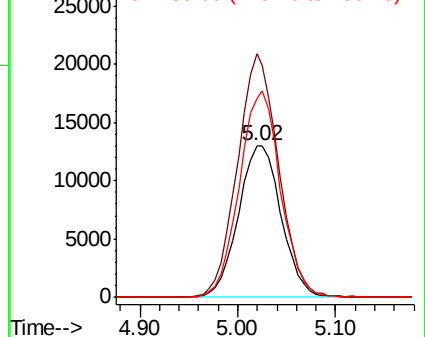
130 131.2 0.0 325.8



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: 901.898 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007965.D

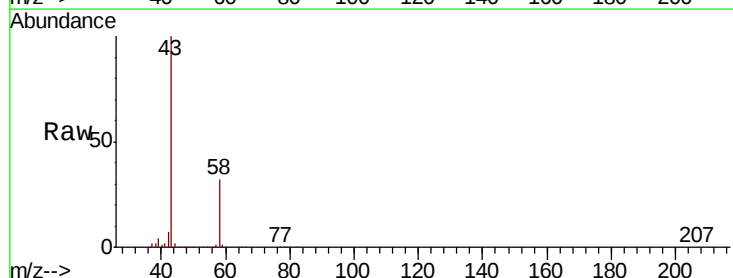
Acq: 11 Mar 2019 12:37

Tgt Ion: 58 Resp: 499795

Ion Ratio Lower Upper

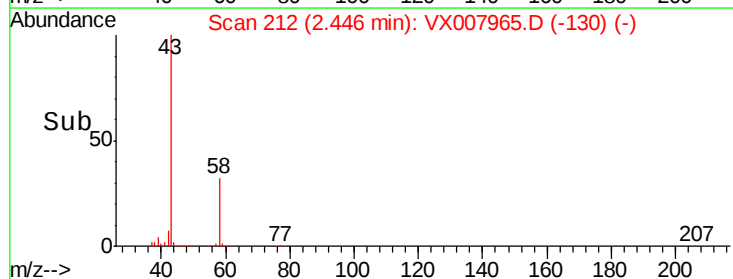
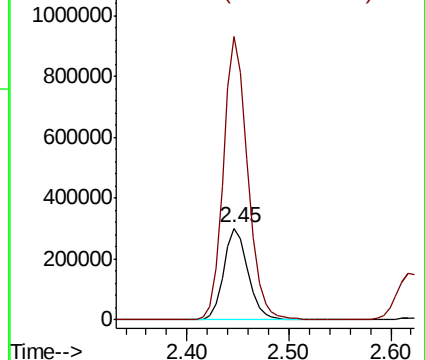
58 100

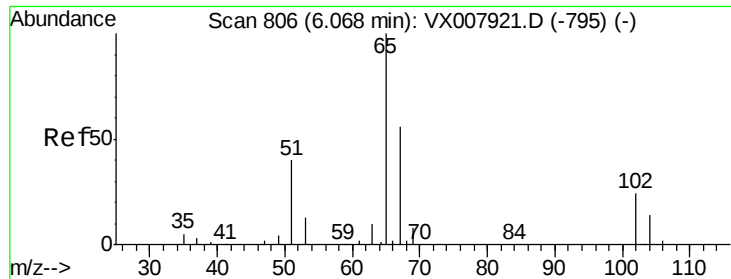
43 308.3 249.8 374.6



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 30.318 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007965.D

Acq: 11 Mar 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

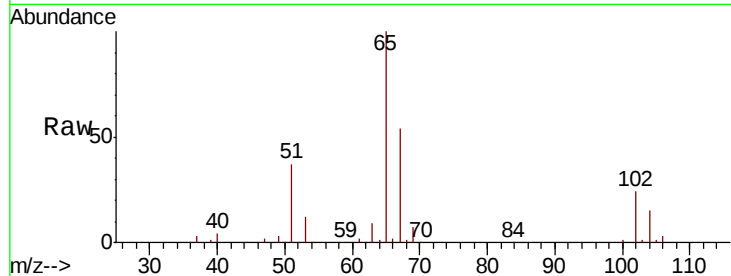
001M-WILLETS-PT-BLVD(MAR)

Tgt Ion: 65 Resp: 78515

Ion Ratio Lower Upper

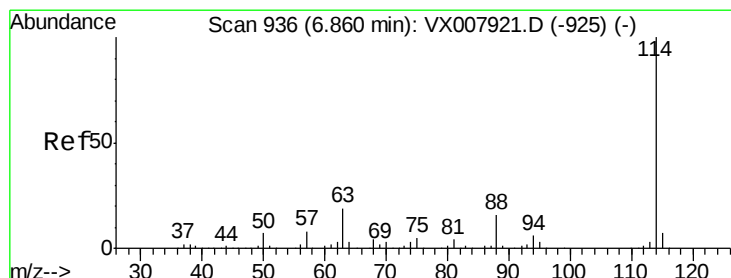
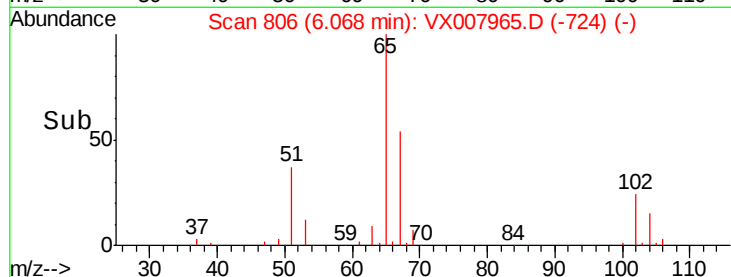
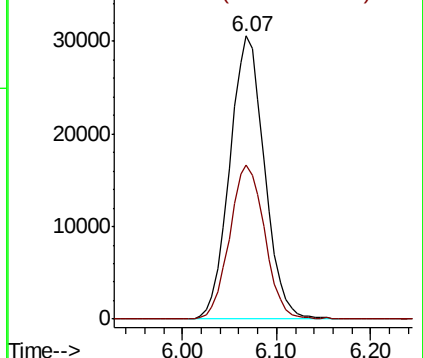
65 100

67 54.7 42.9 64.3



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007965.D

Acq: 11 Mar 2019 12:37

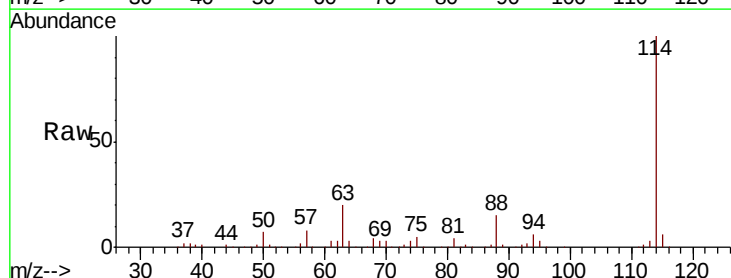
Tgt Ion: 114 Resp: 207566

Ion Ratio Lower Upper

114 100

63 19.9 14.2 21.4

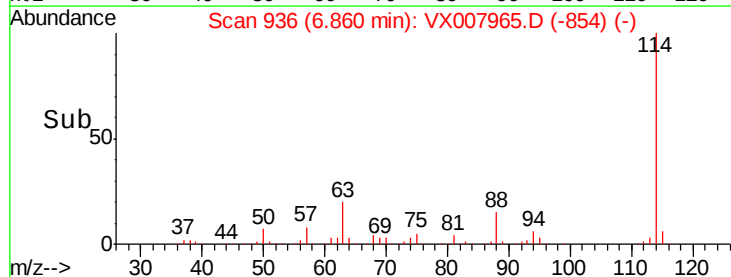
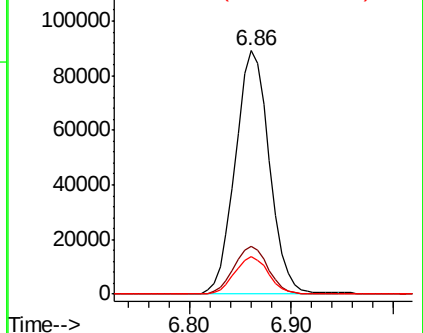
88 15.4 11.9 17.9

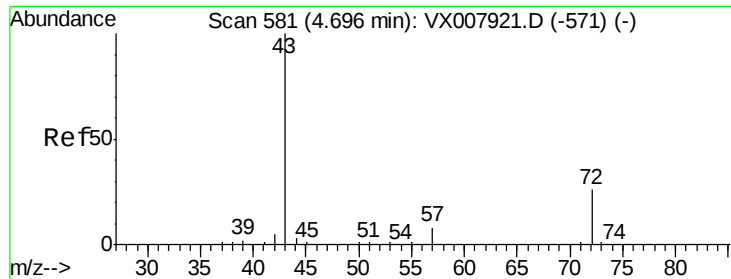


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

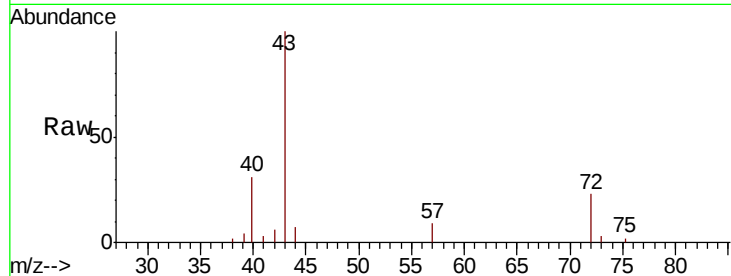




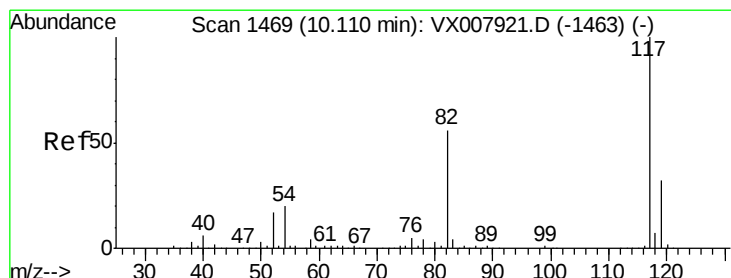
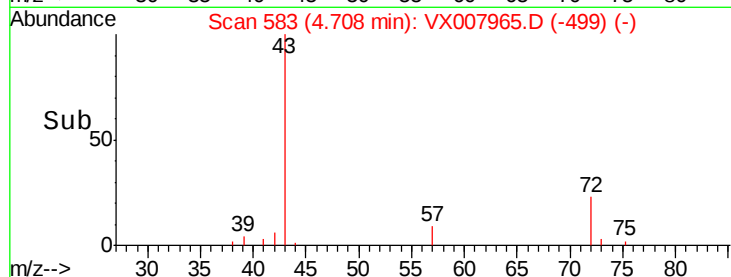
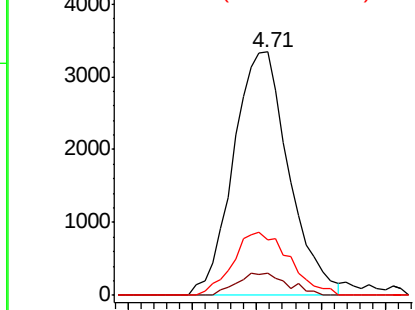
#30
2-Butanone
Concen: 4.491 ug/l
RT: 4.71 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX007965.D
Acq: 11 Mar 2019 12:37

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

Tgt Ion: 43 Resp: 9969
Ion Ratio Lower Upper
43 100
57 8.3 7.0 10.6
72 26.5 21.5 32.3

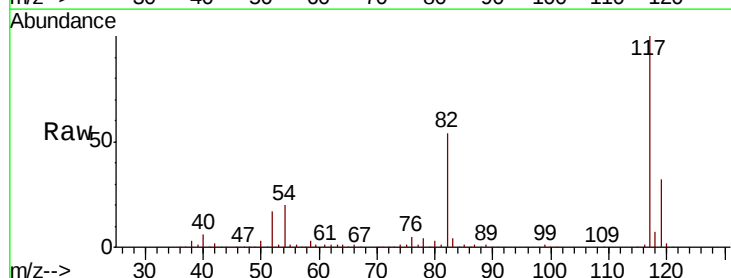


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 57.00 (56.70 to 57.70): VX0
Ion 72.00 (71.70 to 72.70): VX0

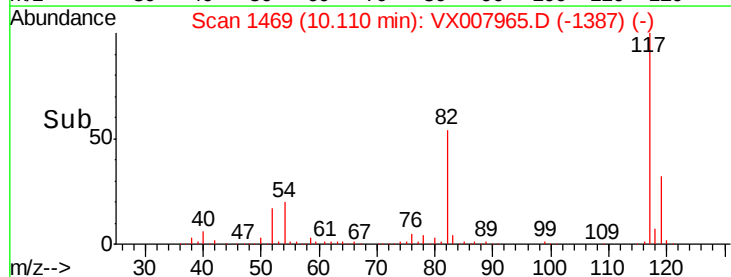
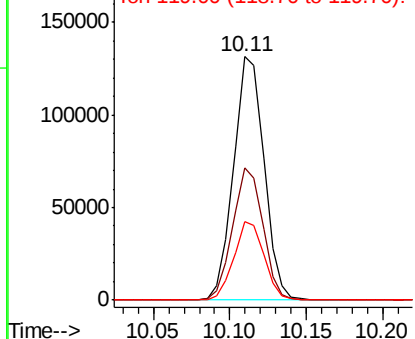


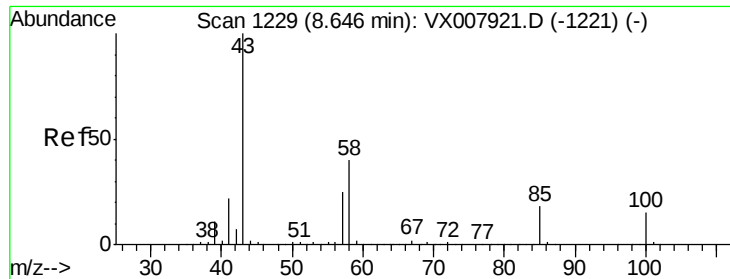
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007965.D
Acq: 11 Mar 2019 12:37

Tgt Ion: 117 Resp: 182785
Ion Ratio Lower Upper
117 100
82 53.9 40.4 60.6
119 32.3 25.8 38.6



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V

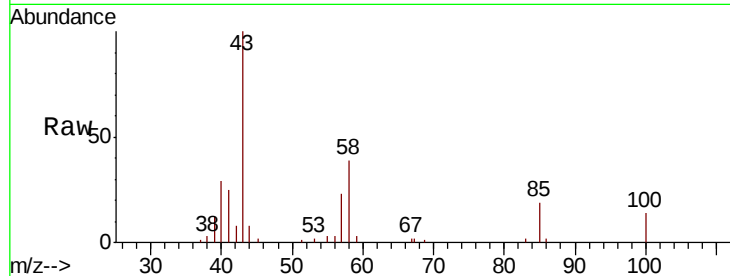




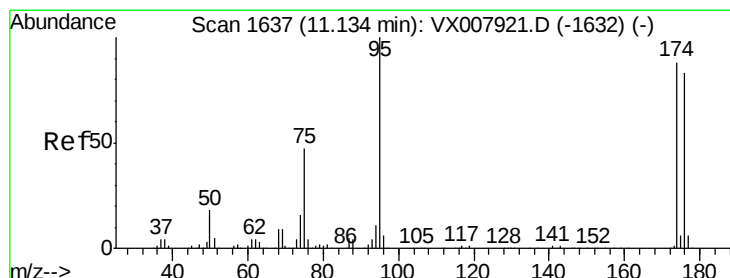
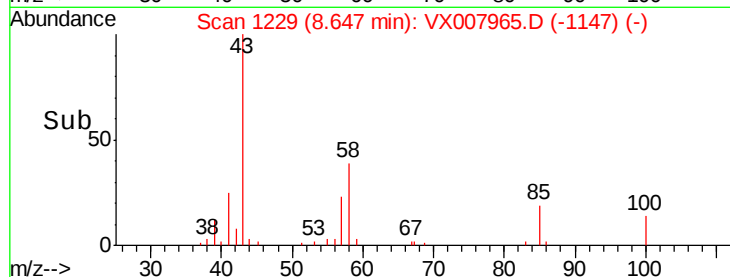
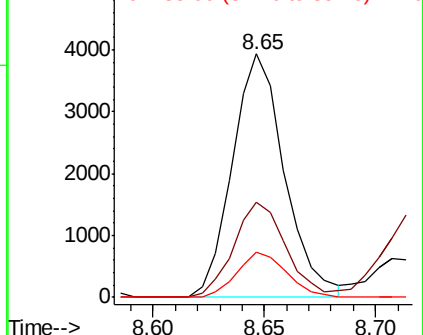
#58
 4-Methyl-2-Pentanone
 Concen: 1.704 ug/l
 RT: 8.65 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VX007965.D
 Acq: 11 Mar 2019 12:37

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

Tgt Ion: 43 Resp: 6411
 Ion Ratio Lower Upper
 43 100
 58 38.7 31.4 47.0
 85 17.5 15.0 22.6

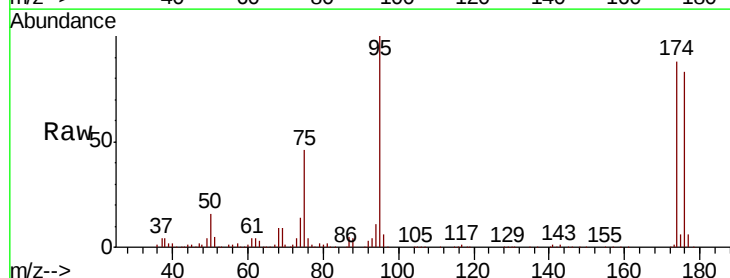


Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0
 Ion 85.00 (84.70 to 85.70): VX0

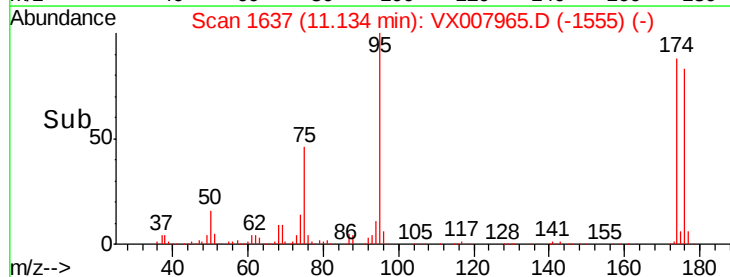
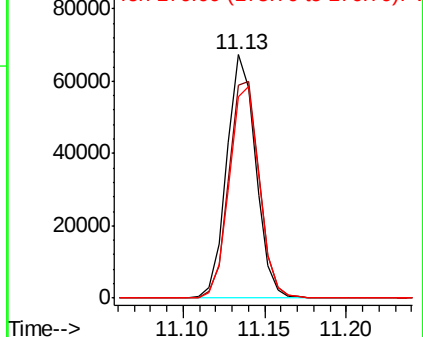


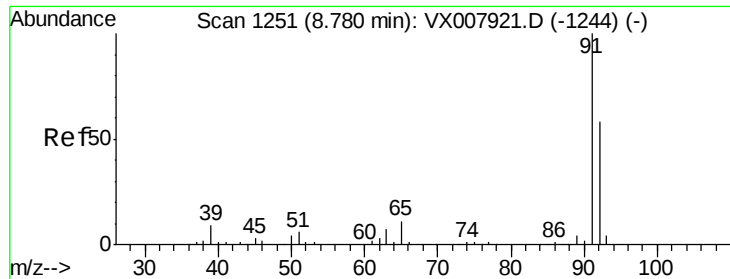
#60
 4-Bromofluorobenzene
 Concen: 28.502 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX007965.D
 Acq: 11 Mar 2019 12:37

Tgt Ion: 95 Resp: 83155
 Ion Ratio Lower Upper
 95 100
 174 94.0 74.9 112.3
 176 90.5 70.7 106.1



Abundance Ion 95.00 (94.70 to 95.70): VX0
 Ion 174.00 (173.70 to 174.70): V
 Ion 176.00 (175.70 to 176.70): V

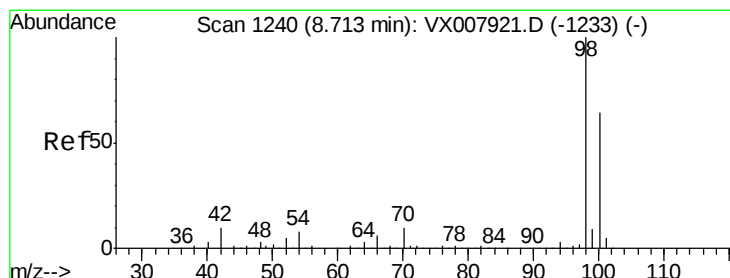
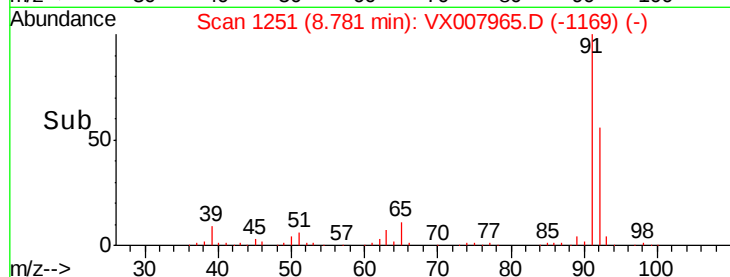
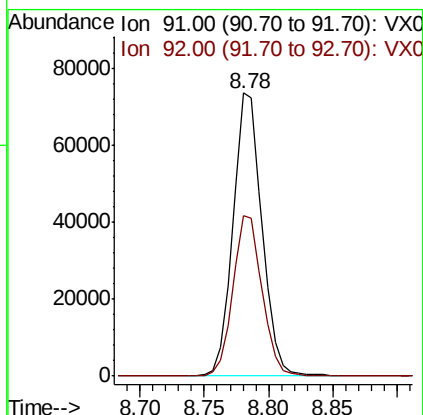
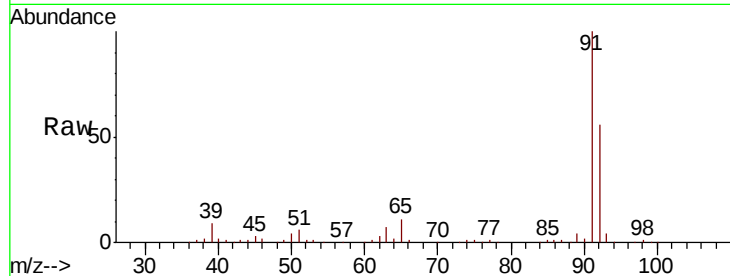




#62
Toluene
Concen: 10.801 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VX007965.D
Acq: 11 Mar 2019 12:37

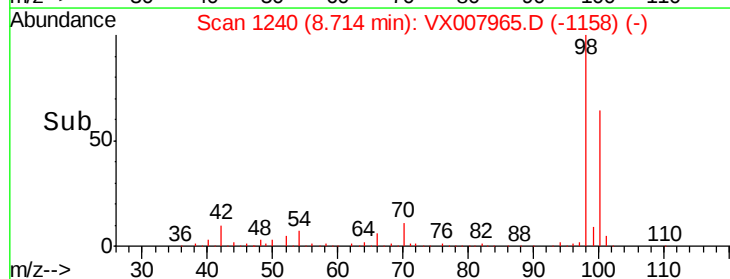
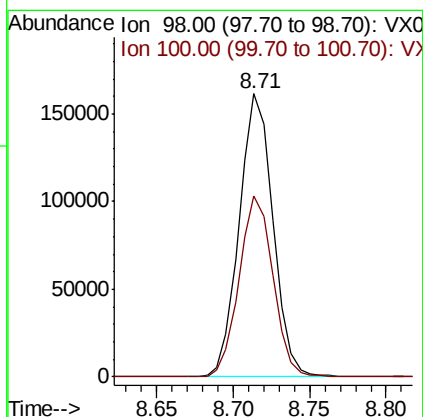
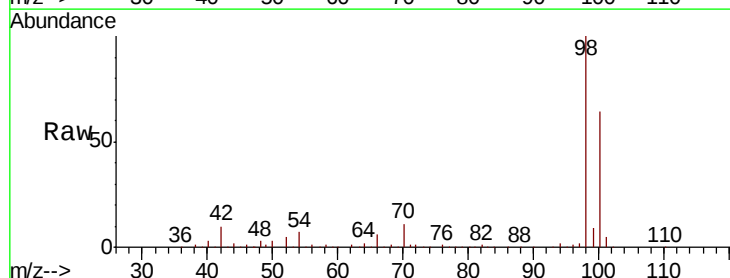
Instrument :
MSVOA_X
ClientSampleId :
001M-WILLETS-PT-BLVD(MAR)

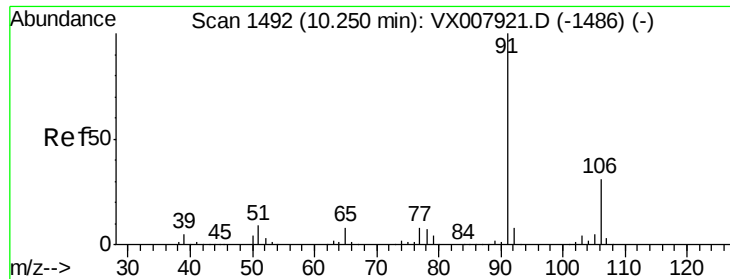
Tgt Ion: 91 Resp: 115278
Ion Ratio Lower Upper
91 100
92 57.0 46.4 69.6



#63
Toluene-d8
Concen: 29.645 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007965.D
Acq: 11 Mar 2019 12:37

Tgt Ion: 98 Resp: 247983
Ion Ratio Lower Upper
98 100
100 64.1 50.9 76.3





#66

Ethyl Benzene

Concen: 0.289 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007965.D

Acq: 11 Mar 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

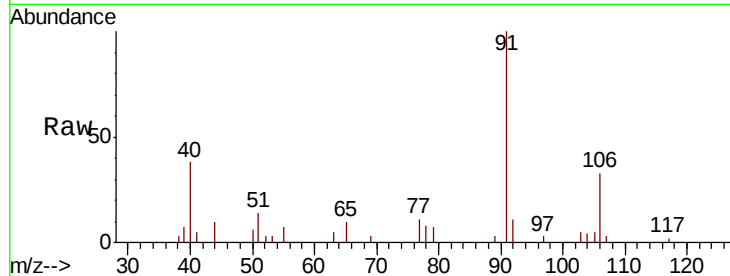
001M-WILLETS-PT-BLVD(MAR)

Tgt Ion: 91 Resp: 3308

Ion Ratio Lower Upper

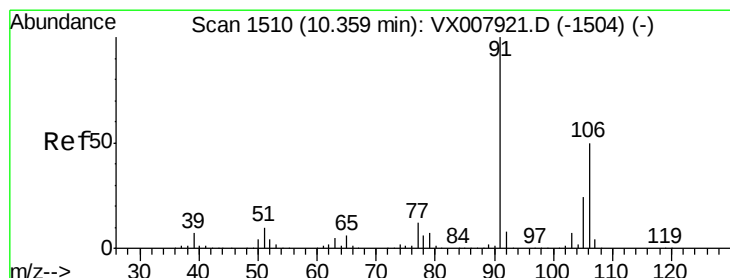
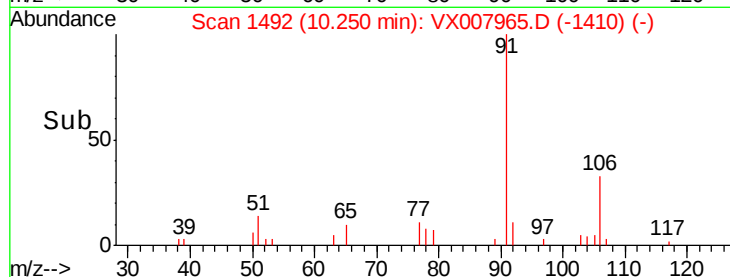
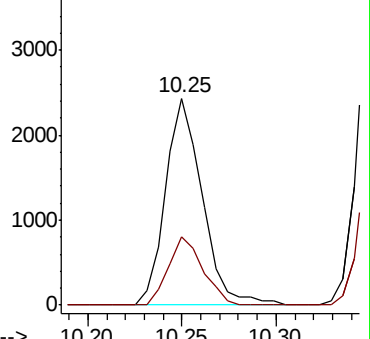
91 100

106 32.8 26.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VX007921.D (-1486) (-)

Ion 106.00 (105.70 to 106.70): VX007921.D (-1486) (-)



#67

m/p-Xylenes

Concen: 0.836 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX007965.D

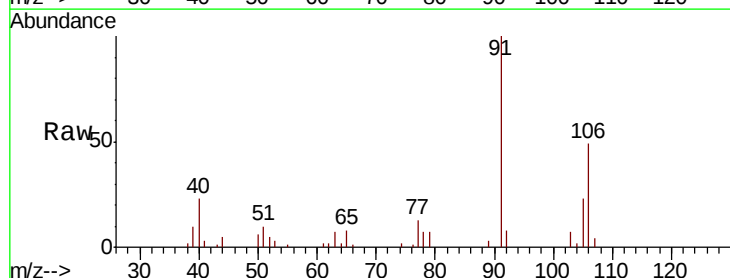
Acq: 11 Mar 2019 12:37

Tgt Ion: 106 Resp: 3677

Ion Ratio Lower Upper

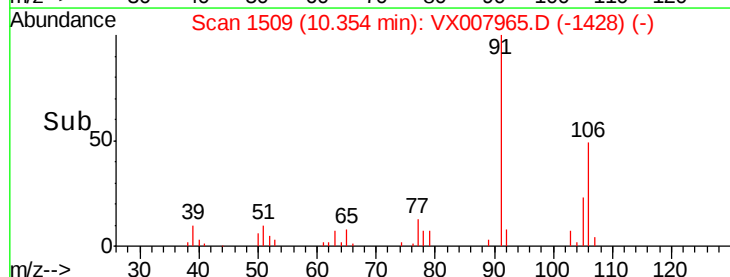
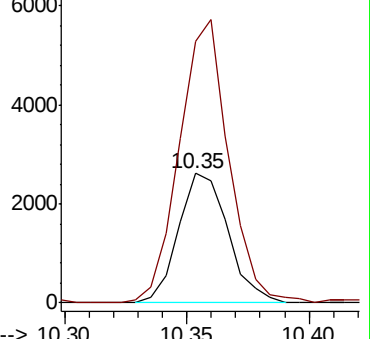
106 100

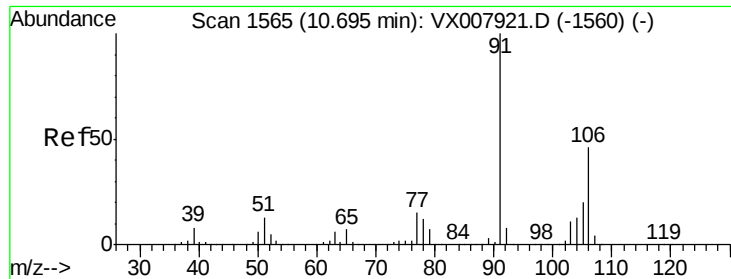
91 217.6 157.0 235.4



Abundance Ion 106.00 (105.70 to 106.70): VX007921.D (-1504) (-)

Ion 91.00 (90.70 to 91.70): VX007921.D (-1504) (-)

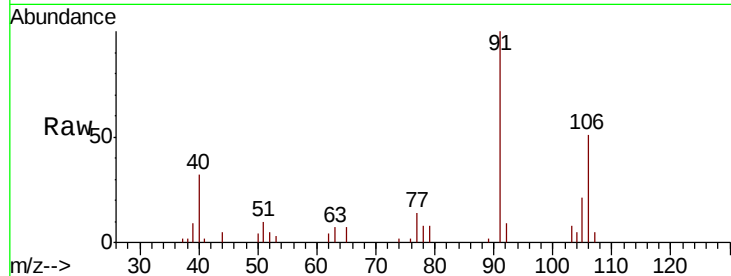




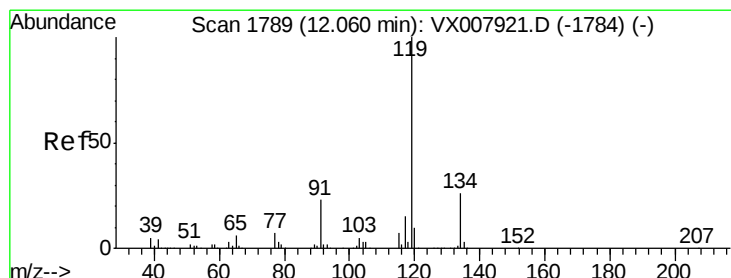
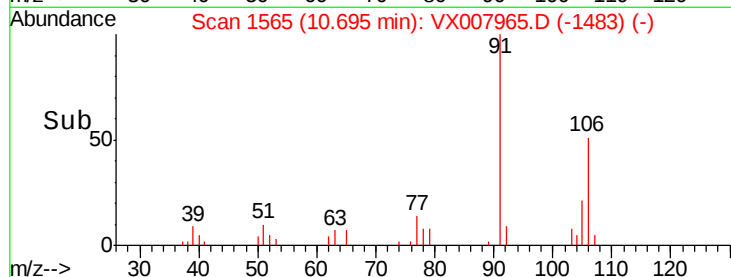
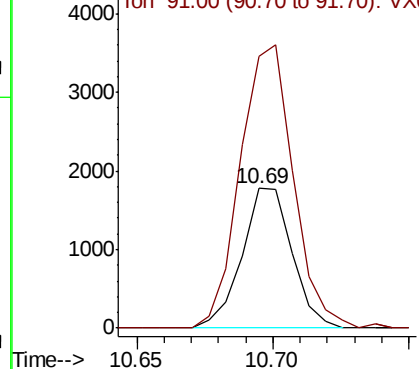
#68
o-Xylene
Concen: 0.535 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX007965.D
Acq: 11 Mar 2019 12:37

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

Tgt Ion:106 Resp: 2284
Ion Ratio Lower Upper
106 100
91 213.0 104.4 313.2

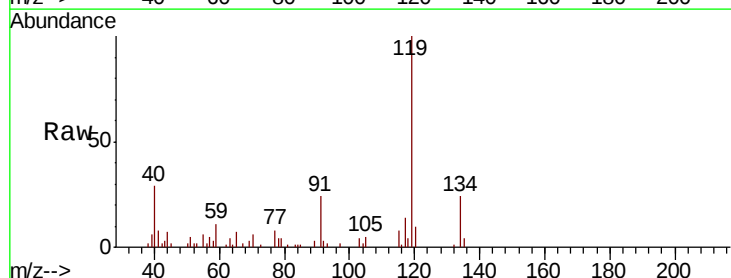


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

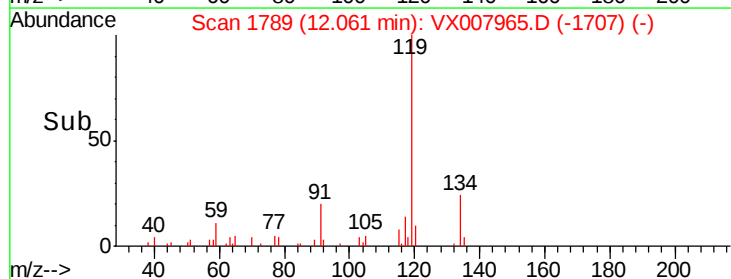
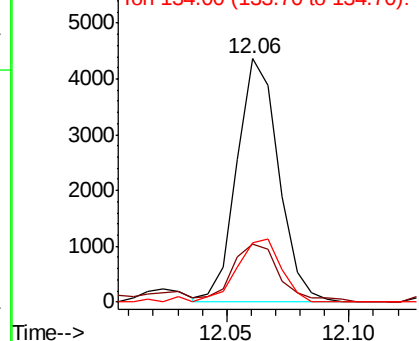


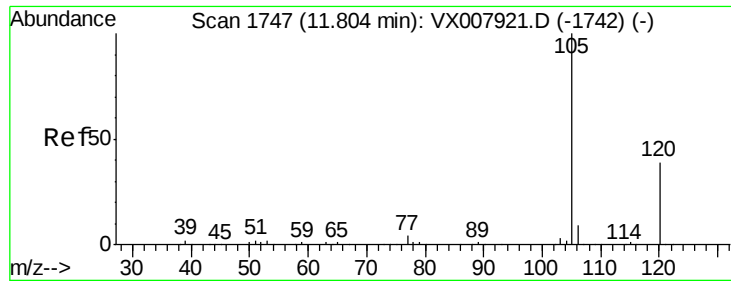
#79
tert-butylbenzene
Concen: 0.513 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX007965.D
Acq: 11 Mar 2019 12:37

Tgt Ion:119 Resp: 5204
Ion Ratio Lower Upper
119 100
91 26.4 0.0 45.0
134 27.3 0.0 55.4



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

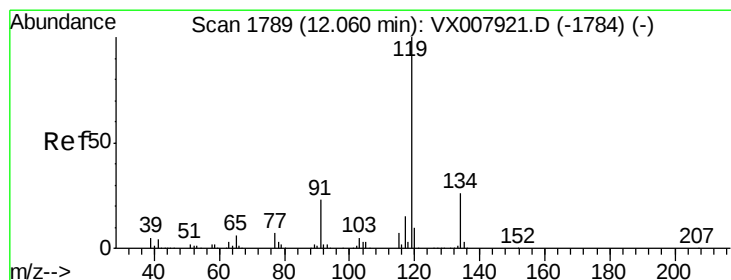
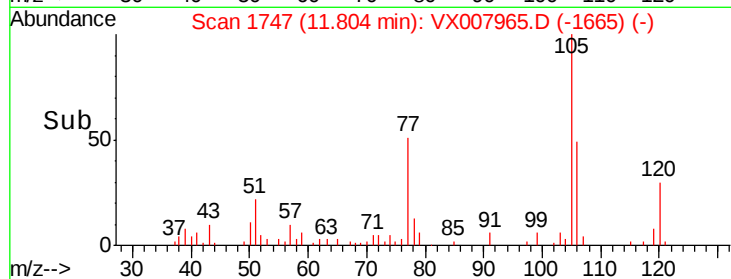
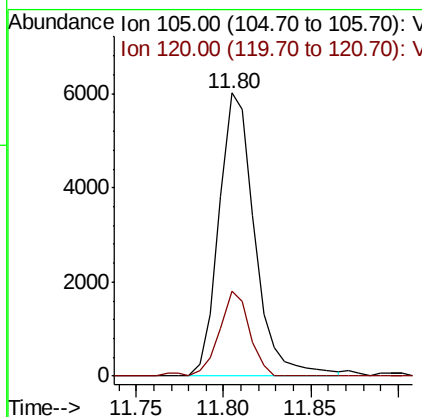
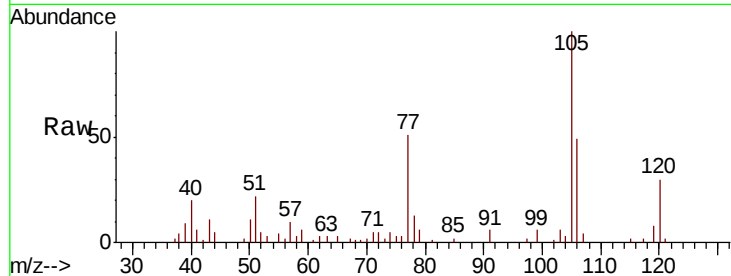




#80
 1,2,4-Trimethylbenzene
 Concen: 0.895 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX007965.D
 Acq: 11 Mar 2019 12:37

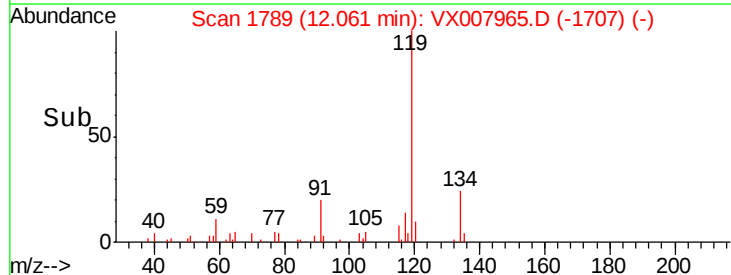
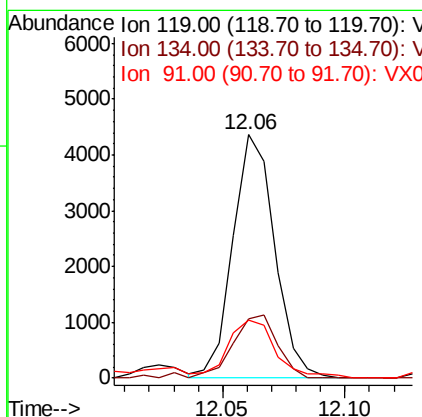
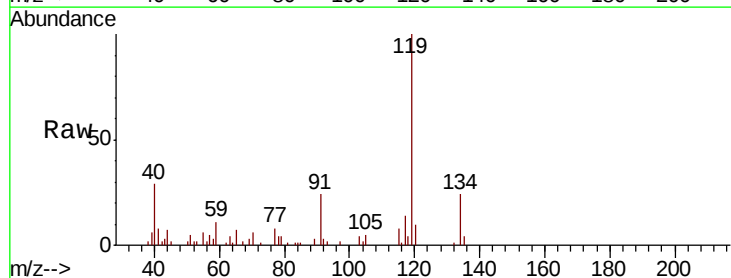
Instrument :
 MSVOA_X
 ClientSampleId :
 001M-WILLETS-PT-BLVD(MAR)

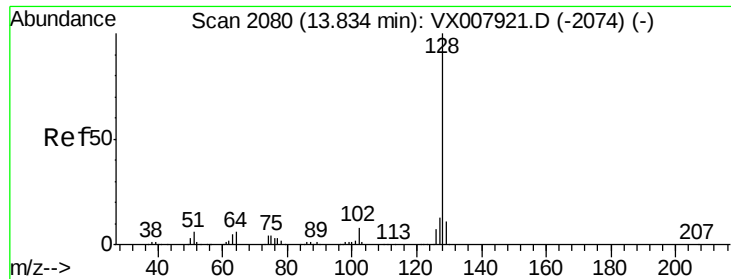
Tgt Ion:105 Resp: 8585
 Ion Ratio Lower Upper
 105 100
 120 25.0 0.0 94.0



#82
 p-Isopropyltoluene
 Concen: 0.513 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX007965.D
 Acq: 11 Mar 2019 12:37

Tgt Ion:119 Resp: 5204
 Ion Ratio Lower Upper
 119 100
 134 27.3 0.0 55.4
 91 26.4 0.0 45.0

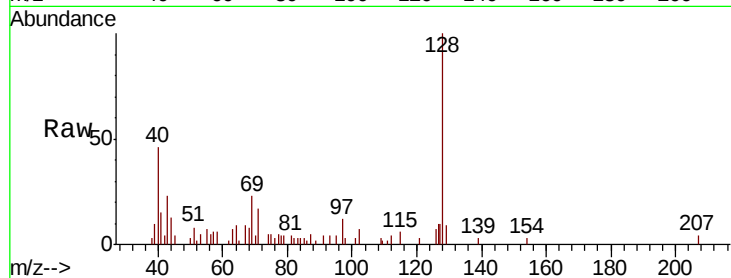




#91
Naphthalene
Concen: 0.369 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX007965.D
Acq: 11 Mar 2019 12:37

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

Tgt Ion	Ratio	Lower	Upper
128	100		
127	15.8	10.5	15.7#
129	9.8	8.9	13.3



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

