Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX120719\
Data File : VX013842.D
Acq On : 07 Dec 2019 15:48
Operator : JC/SP
Sample : K6137-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Dec 09 02:55:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X111119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 12 01:16:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	96255	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	525274	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	462946	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.06	65	205262	28.88	ug/l	0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 96.27%			
60) 4-Bromofluorobenzene	11.14	95	214039	28.77	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 95.90%			
63) Toluene-d8	8.71	98	626975	29.95	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 99.83%			
Target Compounds						Qvalue
15) Acetone	2.43	58	993772	856.597	ug/l	95
23) tert-Butyl Alcohol	3.03	59	7185	3.898	ug/l #	94
30) 2-Butanone	4.67	43	46526	8.786	ug/l #	97
58) 4-Methyl-2-Pentanone	8.64	43	22758	2.353	ug/l	99
62) Toluene	8.78	91	793952	30.789	ug/l	100
66) Ethyl Benzene	10.25	91	19544	0.690	ug/l	91
67) m/p-Xylenes	10.35	106	28123	2.574	ug/l	98
68) o-Xylene	10.70	106	13307	1.262	ug/l	98
80) 1,2,4-Trimethylbenzene	11.81	105	17586	0.755	ug/l	80
82) p-Isopropyltoluene	12.06	119	8547	0.345	ug/l	94

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120719\
Data File : VX013842.D
Acq On : 07 Dec 2019 15:48
Operator : JC/SP
Sample : K6137-01
Misc : 5.0mL/MSVOA X/WATER
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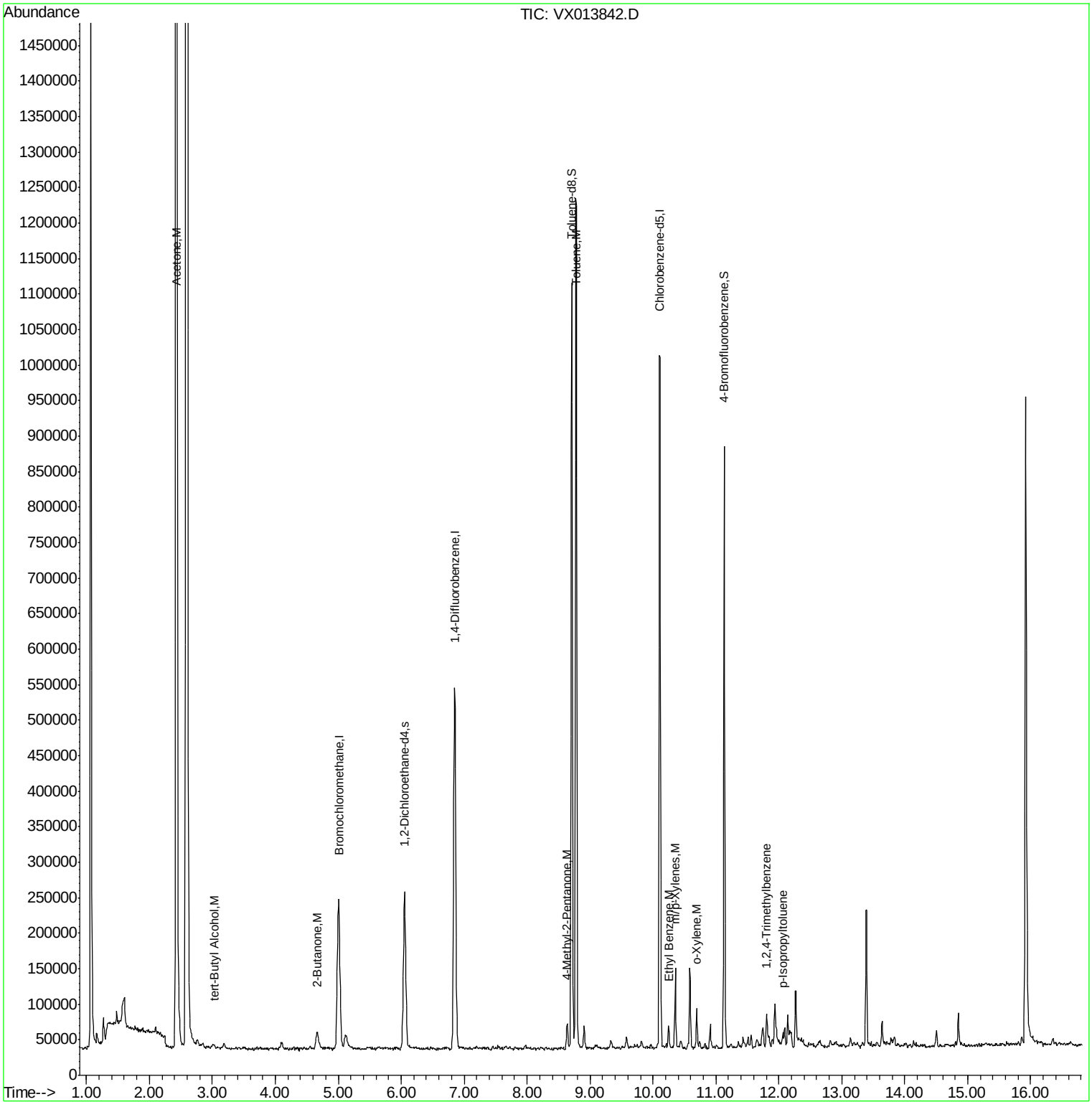
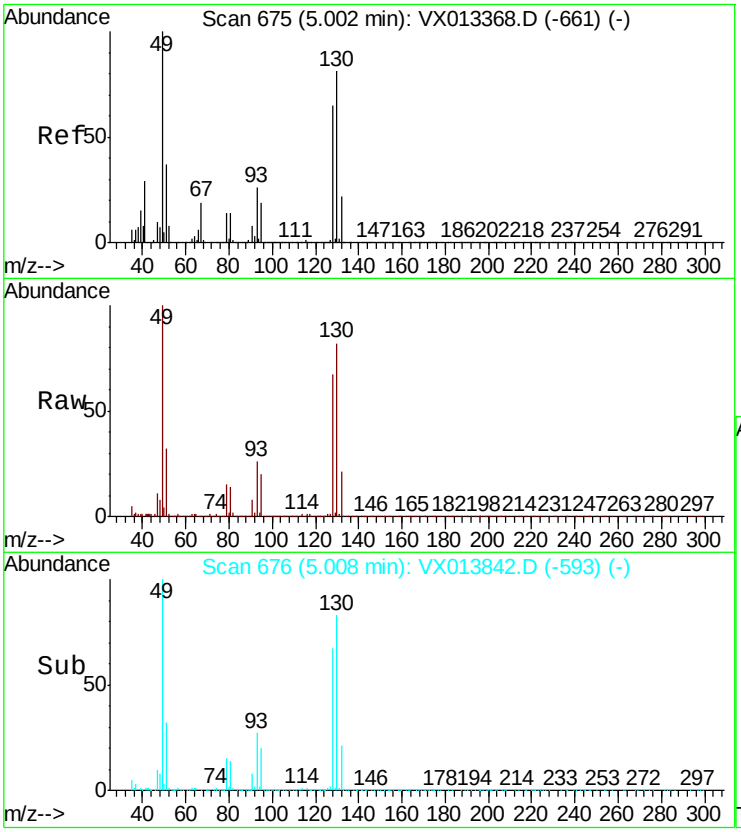
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD-(DEC)

Quant Time: Dec 09 02:55:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 12 01:16:13 2019
Response via : Initial Calibration



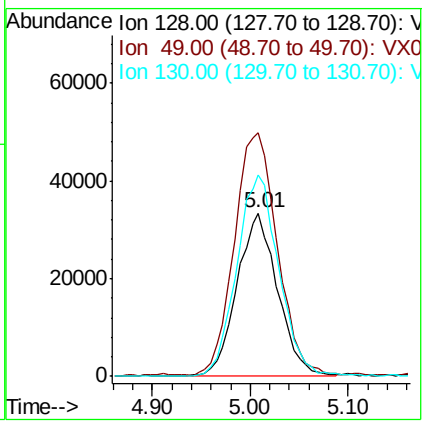


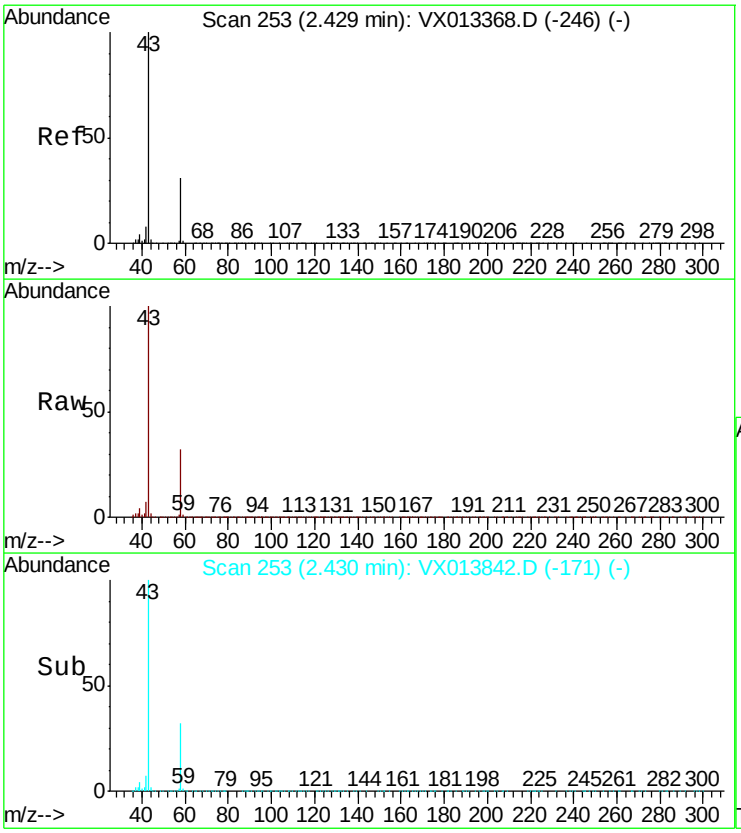
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX013842.D
Acq: 07 Dec 2019 15:48

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

Tgt Ion:128 Resp: 96255

Ion	Ratio	Lower	Upper
128	100		
49	159.1	0.0	388.3
130	127.9	0.0	318.5

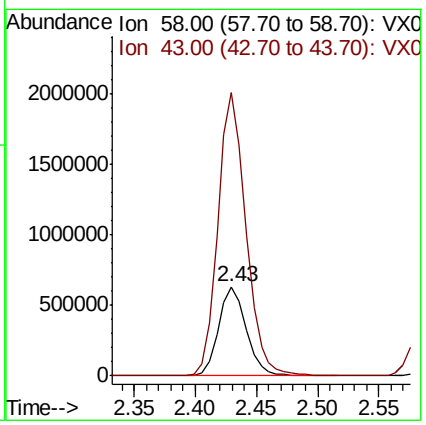


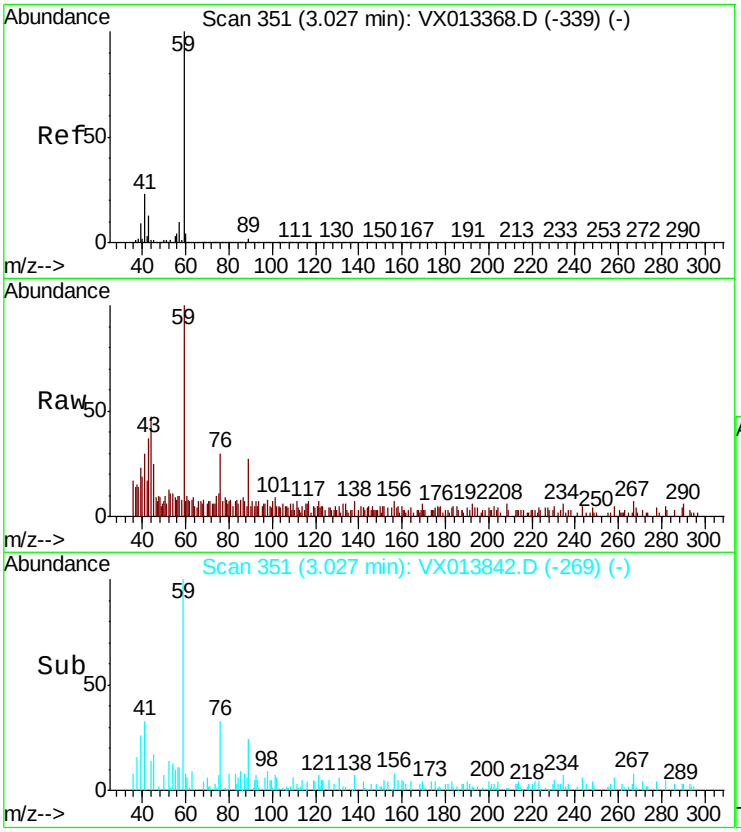


#15
Acetone
Concen: 856.597 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX013842.D
Acq: 07 Dec 2019 15:48

Tgt Ion: 58 Resp: 993772

Ion	Ratio	Lower	Upper
58	100		
43	317.0	261.4	392.2



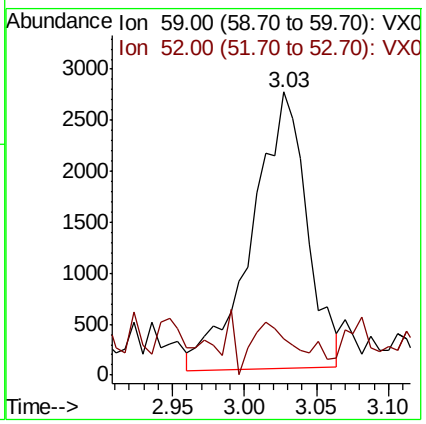


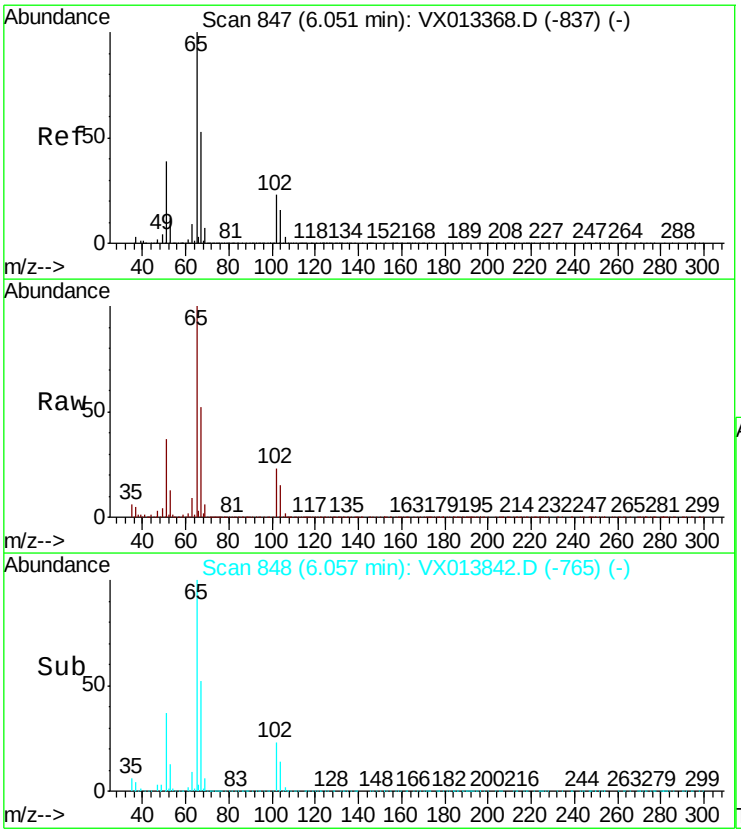
#23
tert-Butyl Alcohol
Concen: 3.898 ug/l
RT: 3.03 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX013842.D
Acq: 07 Dec 2019 15:48

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

Tgt Ion: 59 Resp: 7185

Ion	Ratio	Lower	Upper
59	100		
52	14.2	0.1	0.1#

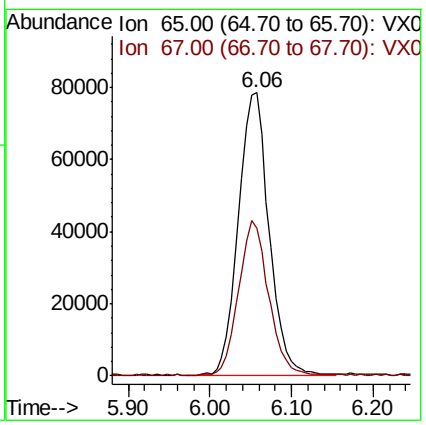


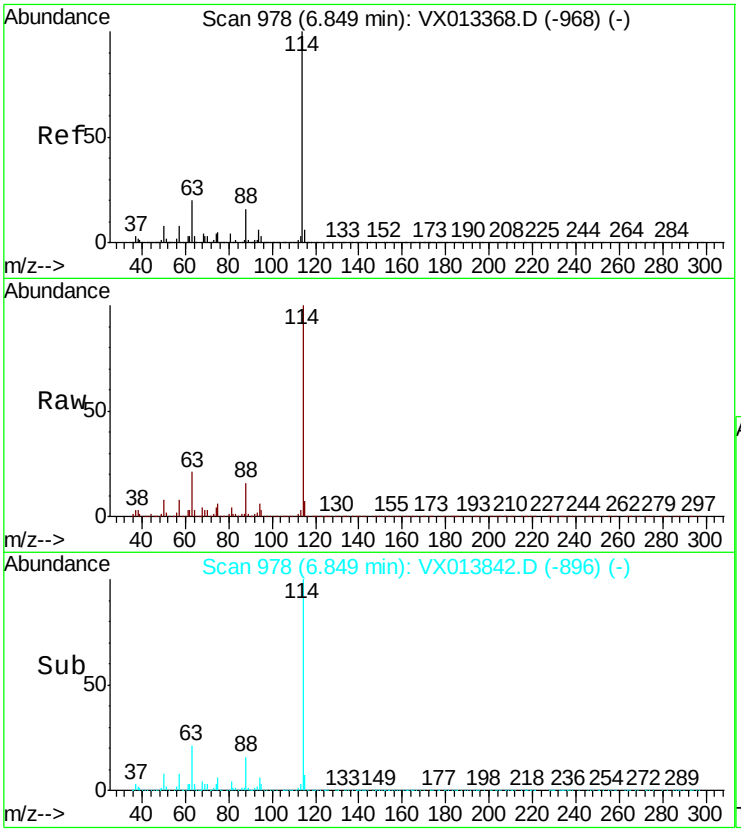


#27
1,2-Dichloroethane-d4
Concen: 28.879 ug/l
RT: 6.06 min Scan# 848
Delta R.T. 0.01 min
Lab File: VX013842.D
Acq: 07 Dec 2019 15:48

Tgt Ion: 65 Resp: 205262

Ion	Ratio	Lower	Upper
65	100		
67	53.4	41.0	61.6



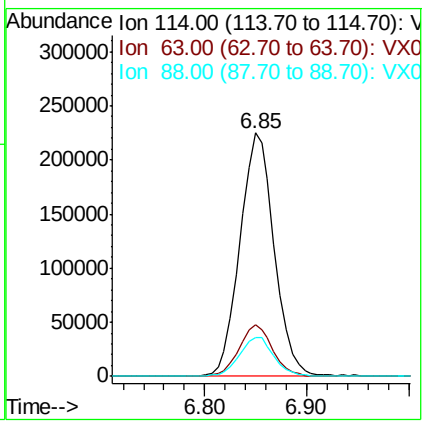


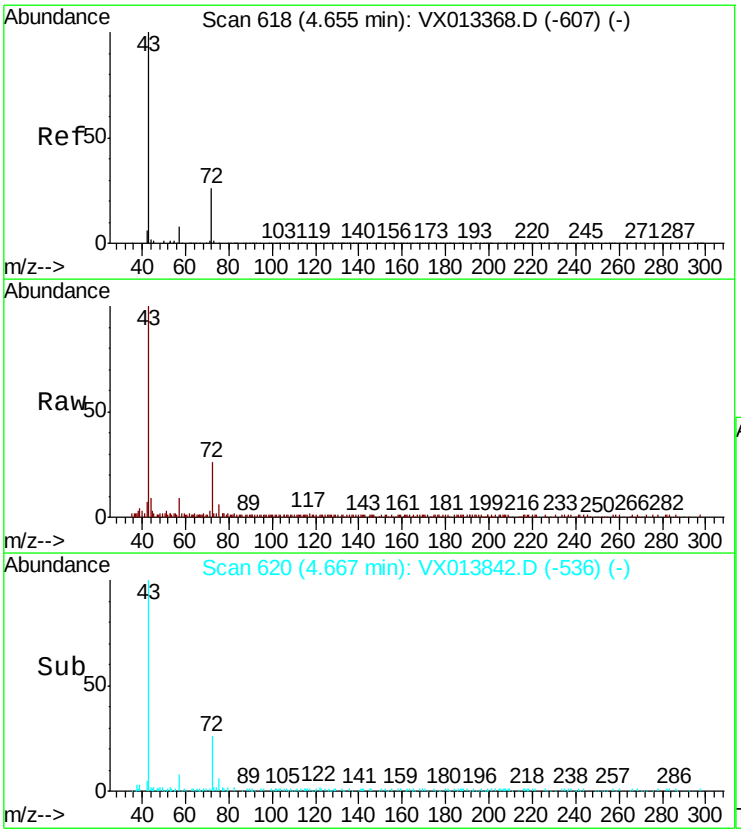
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX013842.D
Acq: 07 Dec 2019 15:48

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

Tgt Ion:114 Resp: 525274

Ion	Ratio	Lower	Upper
114	100		
63	20.4	16.1	24.1
88	16.1	12.3	18.5

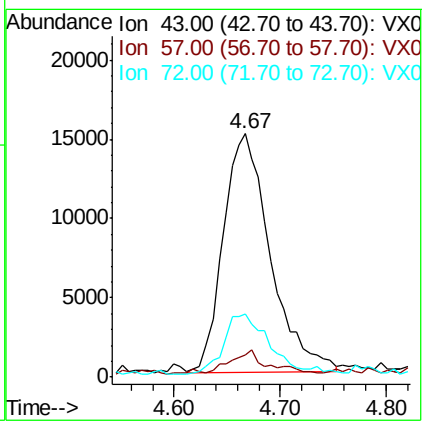


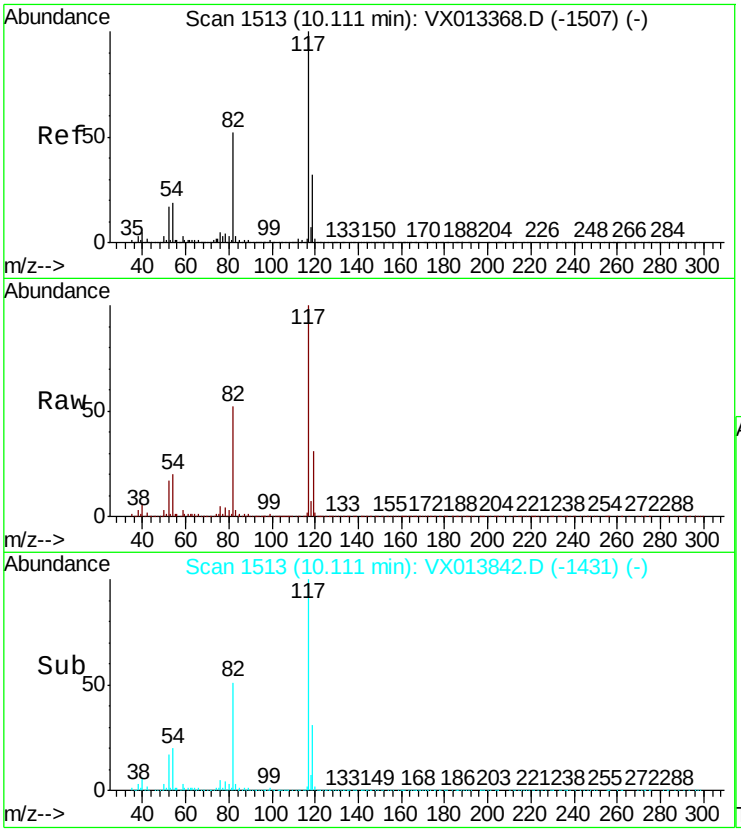


#30
2-Butanone
Concen: 8.786 ug/l
RT: 4.67 min Scan# 620
Delta R.T. 0.01 min
Lab File: VX013842.D
Acq: 07 Dec 2019 15:48

Tgt Ion: 43 Resp: 46526

Ion	Ratio	Lower	Upper
43	100		
57	6.1	6.1	9.1#
72	24.2	20.5	30.7



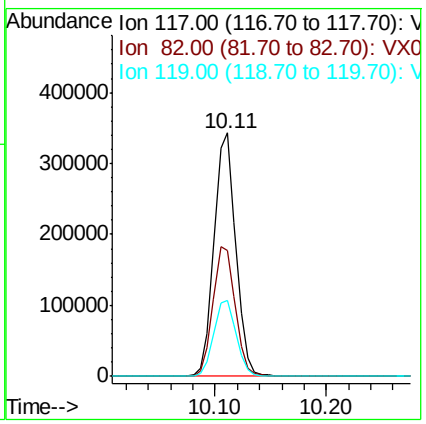


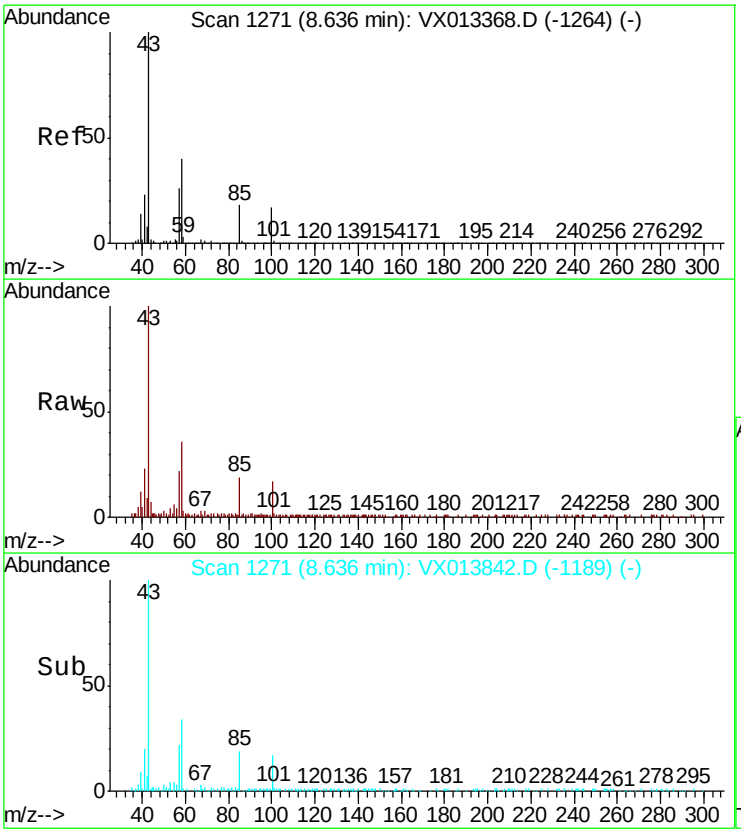
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013842.D
Acq: 07 Dec 2019 15:48

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

Tgt Ion:117 Resp: 462946

Ion	Ratio	Lower	Upper
117	100		
82	54.3	43.7	65.5
119	32.3	25.5	38.3

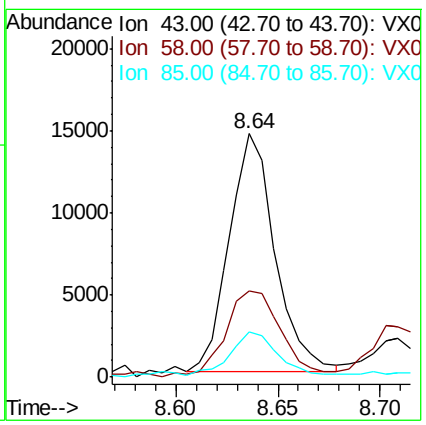


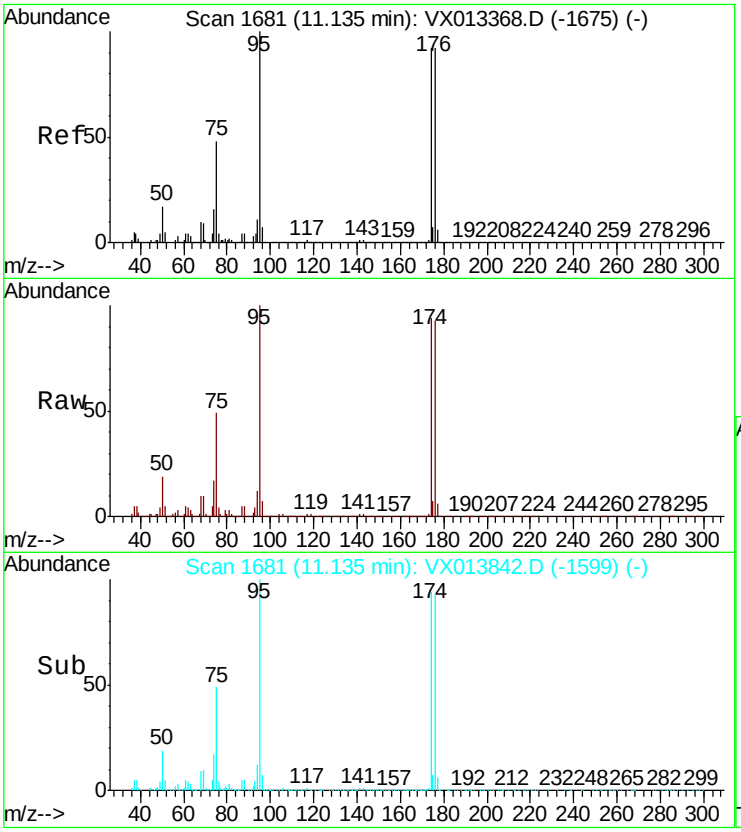


#58
4-Methyl-2-Pentanone
Concen: 2.353 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX013842.D
Acq: 07 Dec 2019 15:48

Tgt Ion: 43 Resp: 22758

Ion	Ratio	Lower	Upper
43	100		
58	40.1	31.6	47.4
85	18.6	14.2	21.2



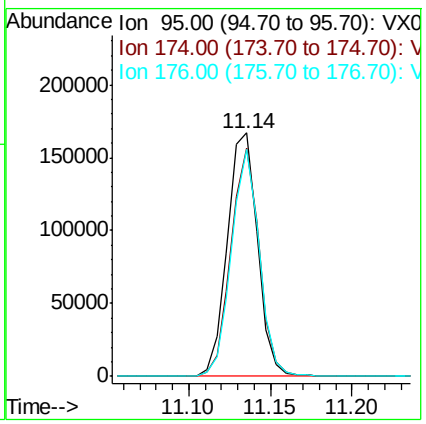


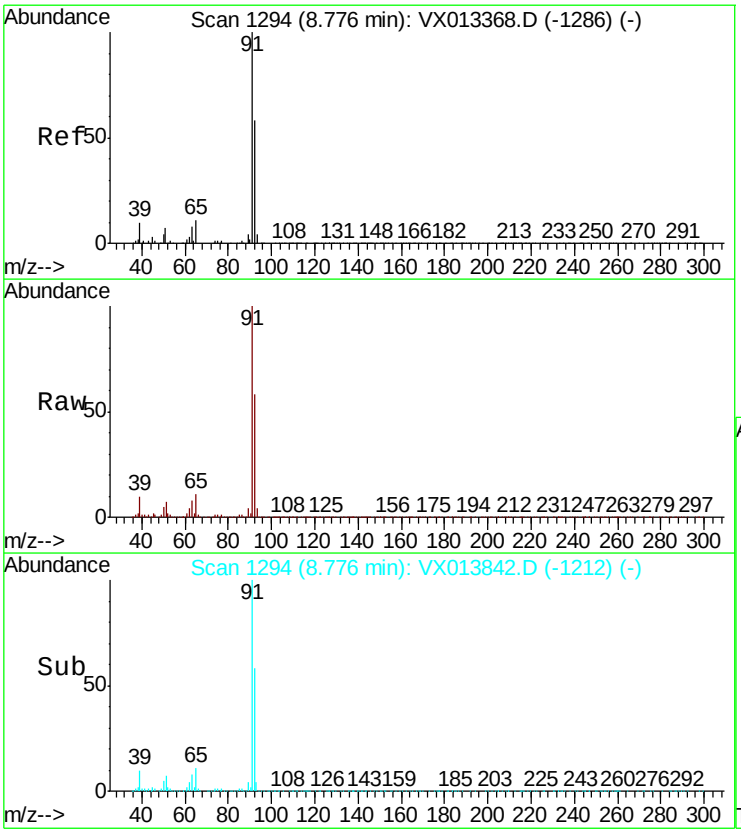
#60
4-Bromofluorobenzene
Concen: 28.765 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX013842.D
Acq: 07 Dec 2019 15:48

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

Tgt Ion: 95 Resp: 214039

Ion	Ratio	Lower	Upper
95	100		
174	88.7	70.2	105.2
176	86.6	68.3	102.5

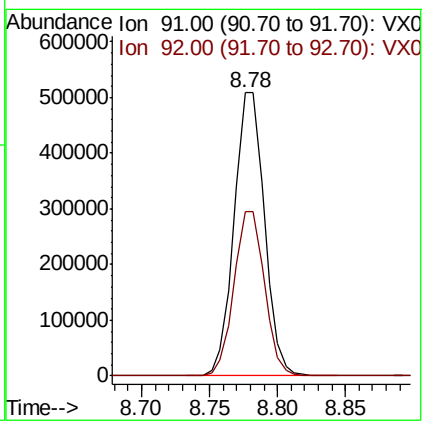


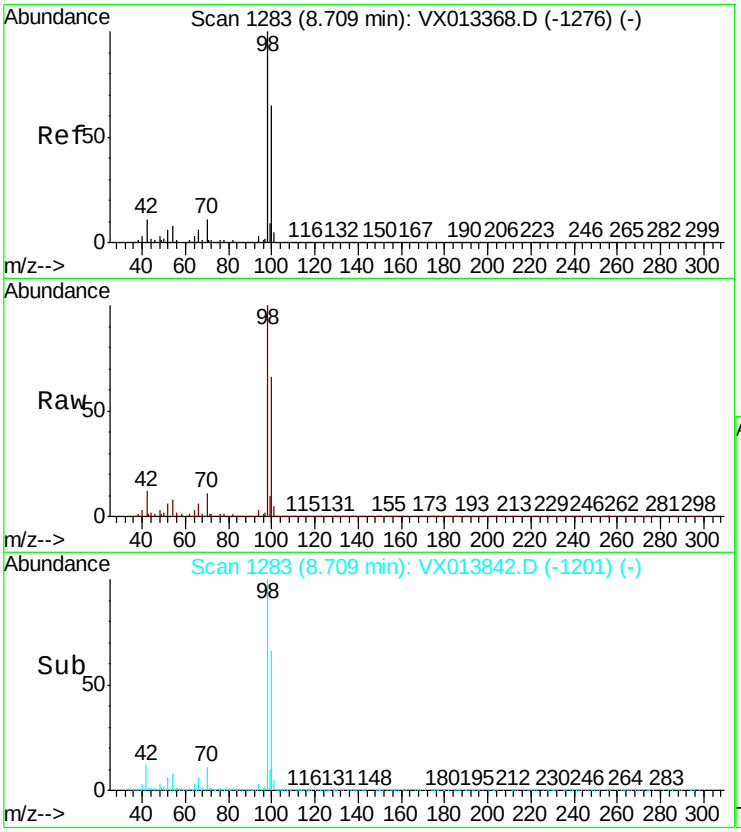


#62
Toluene
Concen: 30.789 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX013842.D
Acq: 07 Dec 2019 15:48

Tgt Ion: 91 Resp: 793952

Ion	Ratio	Lower	Upper
91	100		
92	58.4	46.6	69.8



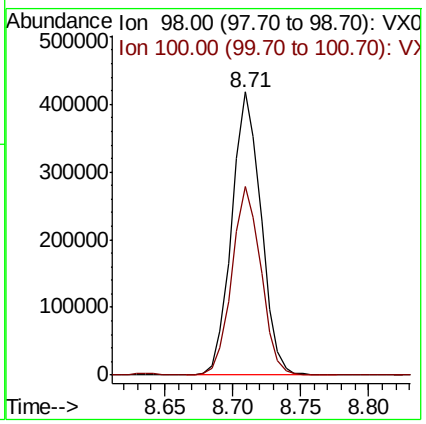


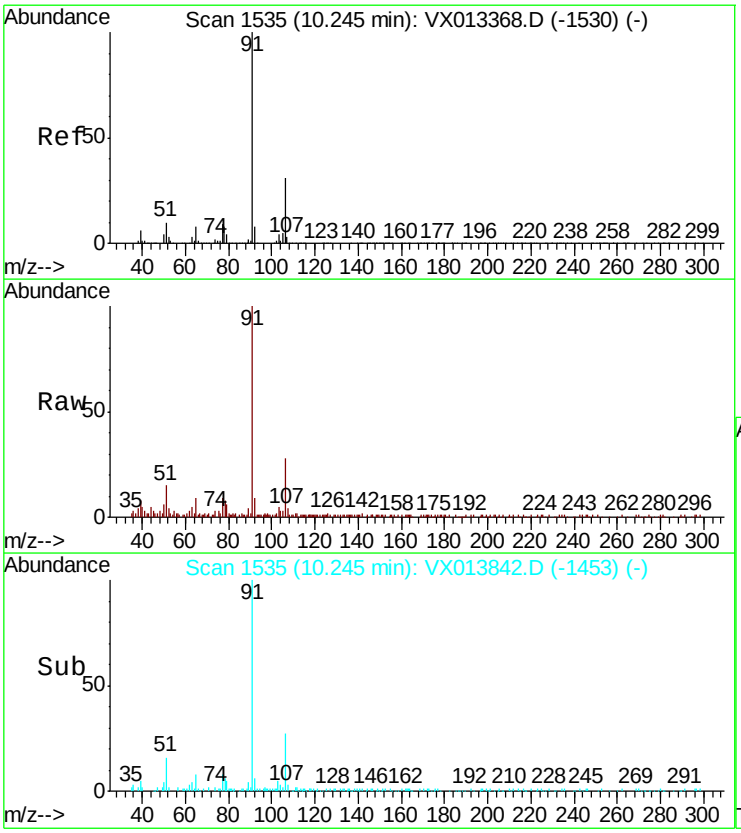
#63
Toluene-d8
Concen: 29.950 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013842.D
Acq: 07 Dec 2019 15:48

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

Tgt Ion: 98 Resp: 626975

Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.5	78.7

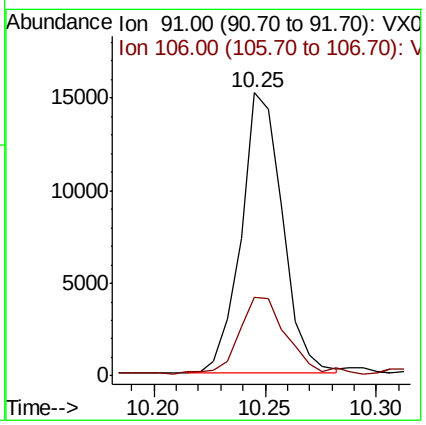


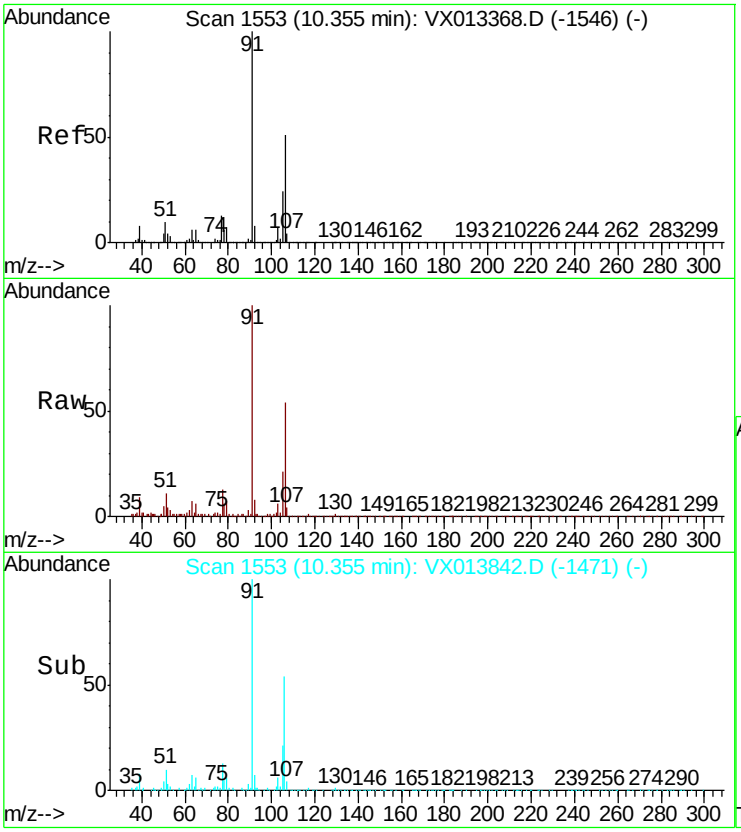


#66
Ethyl Benzene
Concen: 0.690 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX013842.D
Acq: 07 Dec 2019 15:48

Tgt Ion: 91 Resp: 19544

Ion	Ratio	Lower	Upper
91	100		
106	26.5	25.0	37.4



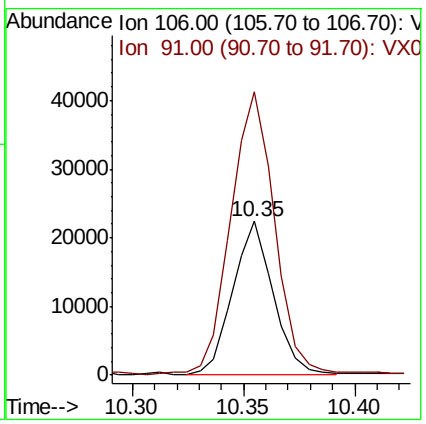


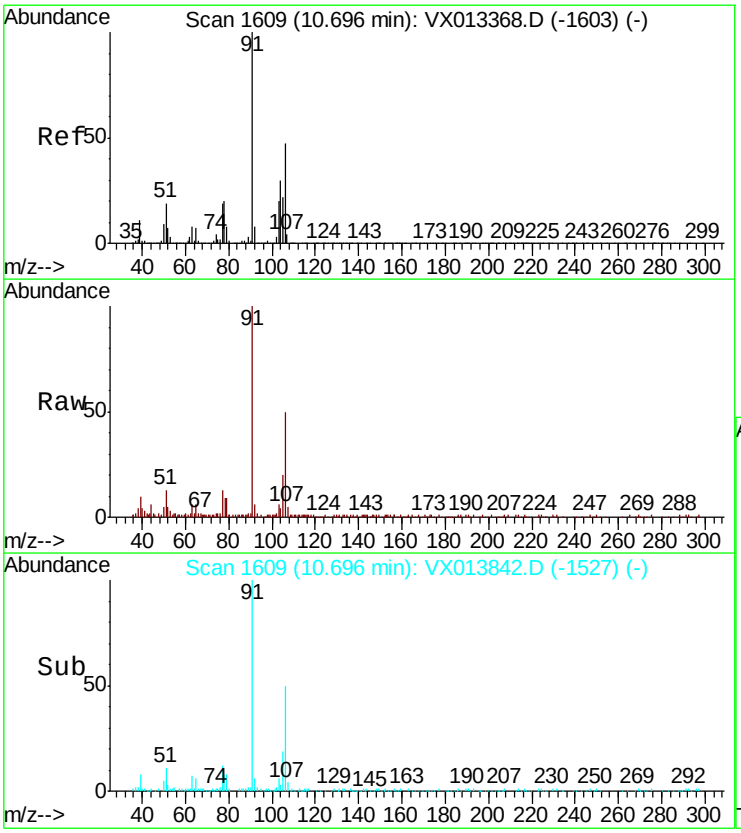
#67
m/p-Xylenes
Concen: 2.574 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX013842.D
Acq: 07 Dec 2019 15:48

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

Tgt Ion:106 Resp: 28123

Ion	Ratio	Lower	Upper
106	100		
91	200.3	158.4	237.6

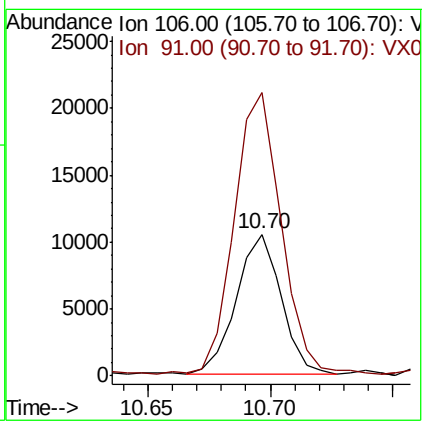


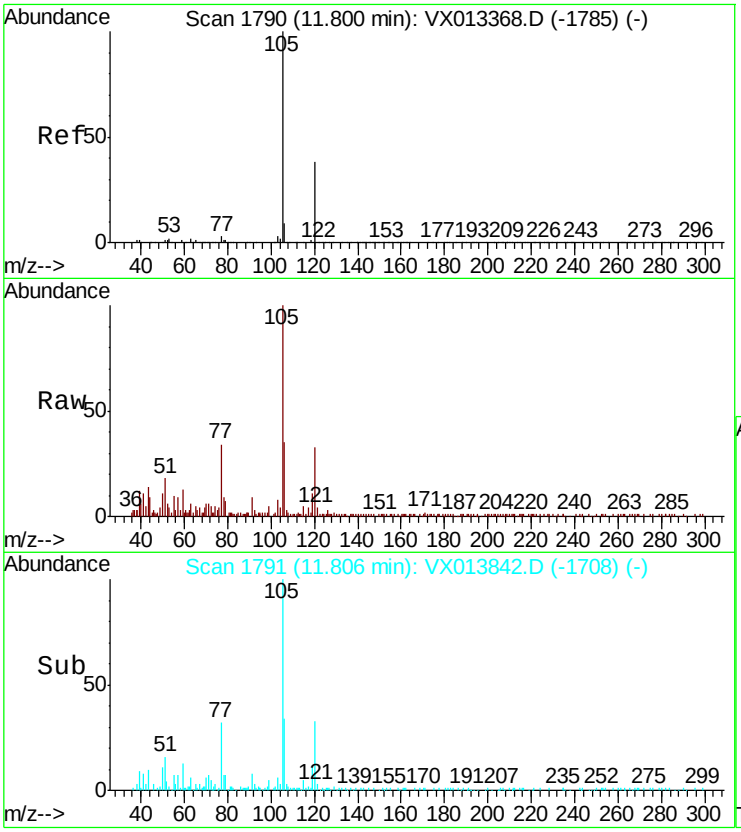


#68
o-Xylene
Concen: 1.262 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013842.D
Acq: 07 Dec 2019 15:48

Tgt Ion:106 Resp: 13307

Ion	Ratio	Lower	Upper
106	100		
91	210.4	106.4	319.2



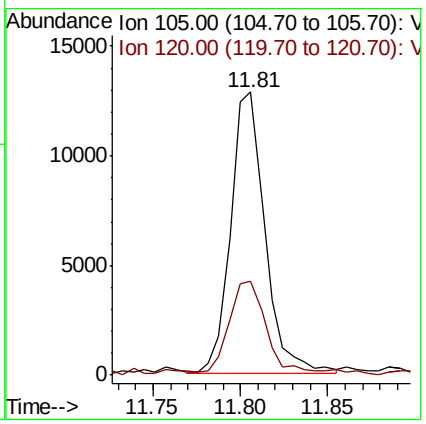


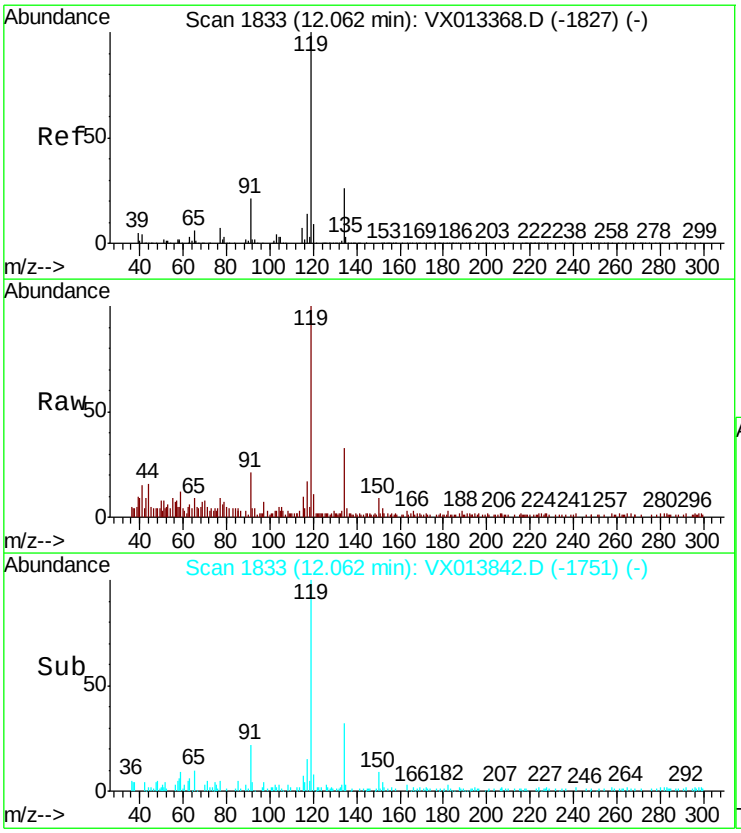
#80
1,2,4-Trimethylbenzene
Concen: 0.755 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.01 min
Lab File: VX013842.D
Acq: 07 Dec 2019 15:48

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

Tgt Ion:105 Resp: 17586

Ion	Ratio	Lower	Upper
105	100		
120	33.9	0.0	94.0





#82
p-Isopropyltoluene
Concen: 0.345 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX013842.D
Acq: 07 Dec 2019 15:48

Tgt Ion:119 Resp: 8547

Ion	Ratio	Lower	Upper
119	100		
134	30.1	0.0	51.6
91	21.0	0.0	44.2