Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN070919\
Data File : VN056625.D
Acq On : 9 Jul 2019 13:20
Operator : JC/SP
Sample : K3643-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Jul 10 09:21:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N070319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 03 11:05:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	7.20	128	59830	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.58	114	327904	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.41	117	279796	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.03	65	127700	30.96	ug/l		0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 103.20%				
60) 4-Bromofluorobenzene	12.40	95	122308	28.45	ug/l		0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 94.83%				
63) Toluene-d8	10.09	98	396394	30.49	ug/l		0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 101.63%				
Target Compounds							Qvalue
12) Methyl Acetate	4.33	43	16583	3.760	ug/l		91
15) Acetone	3.81	58	2116477	3916.902	ug/l		95
24) Methyl tert-Butyl Ether	5.04	73	13913	1.286	ug/l	#	61
30) 2-Butanone	6.84	43	72238	26.911	ug/l		97
58) 4-Methyl-2-Pentanone	9.99	43	16352	3.250	ug/l		94
62) Toluene	10.15	91	679820	43.535	ug/l		100
66) Ethyl Benzene	11.51	91	4748	0.280	ug/l		93
67) m/p-Xylenes	11.62	106	8519	1.363	ug/l		85
68) o-Xylene	11.94	106	6705	1.085	ug/l		85
76) 1,3,5-Trimethylbenzene	12.73	105	7430	0.544	ug/l		95
80) 1,2,4-Trimethylbenzene	13.04	105	25089	1.861	ug/l		78
82) p-Isopropyltoluene	13.29	119	15839	1.139	ug/l		98
91) Naphthalene	15.13	128	10490	0.964	ug/l		97

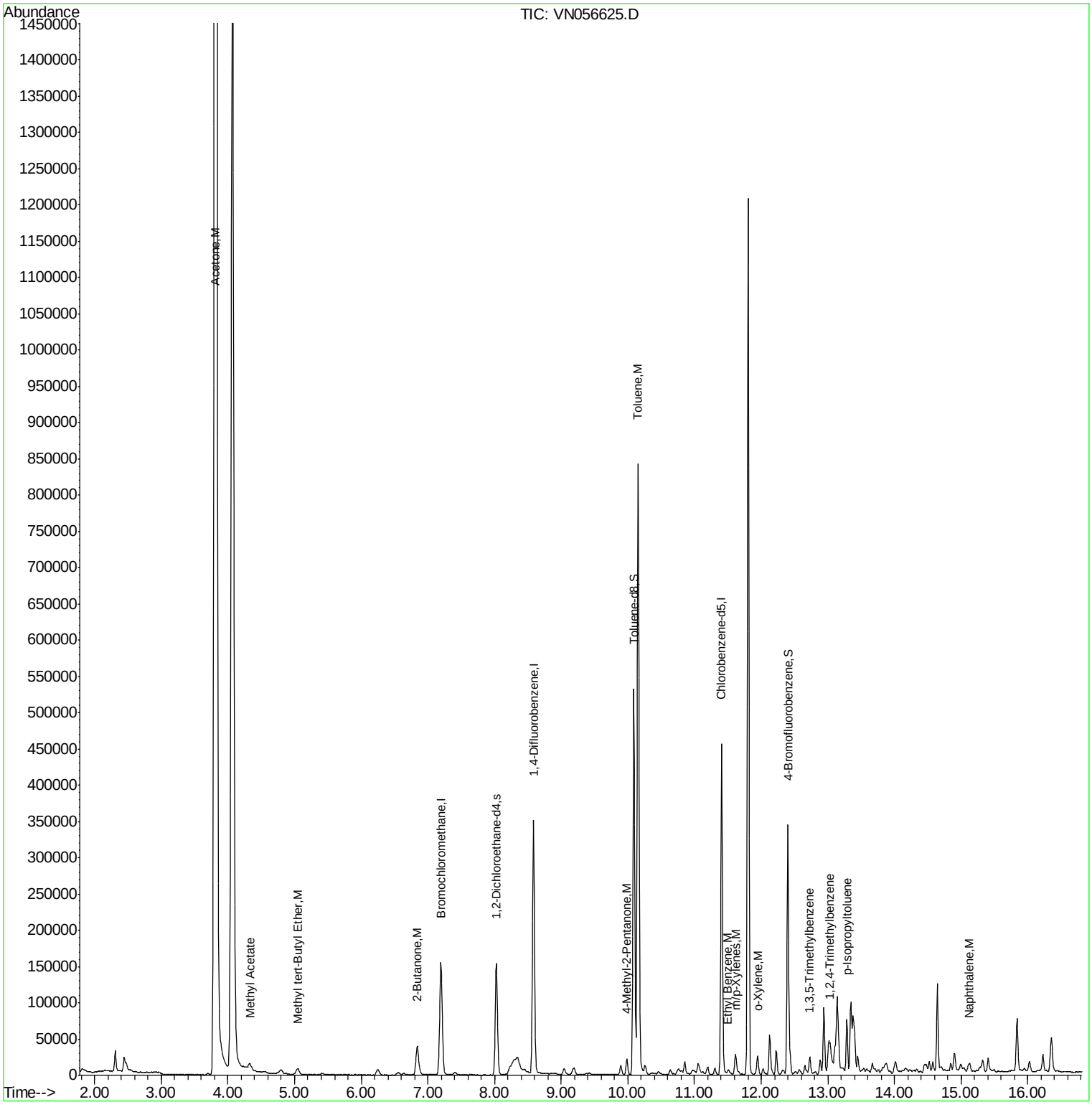
(#) = qualifier out of range (m) = manual integration (+) = signals summed

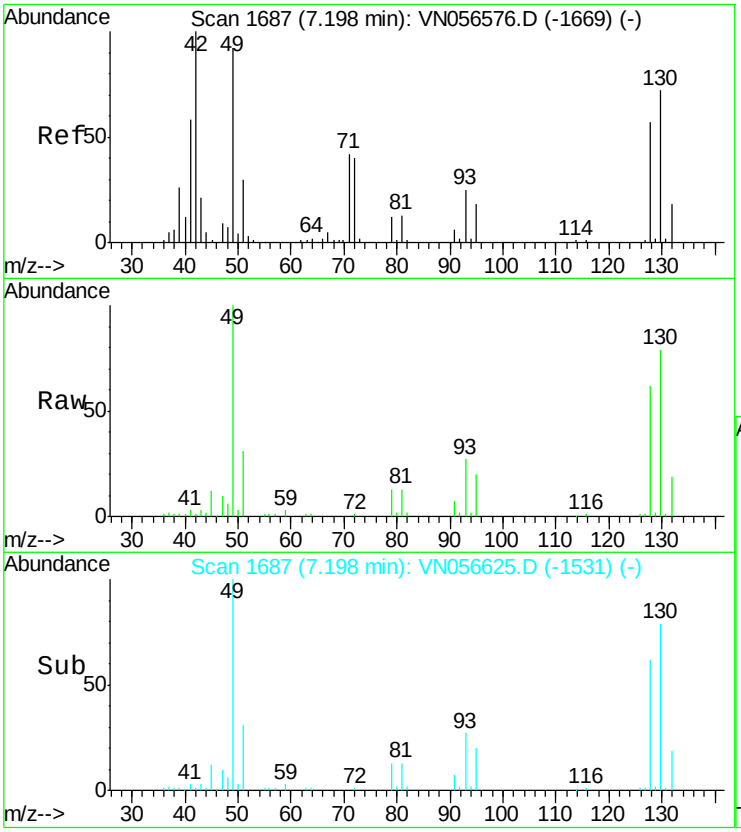
Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN070919\
Data File : VN056625.D
Acq On : 9 Jul 2019 13:20
Operator : JC/SP
Sample : K3643-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Jul 10 09:21:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N070319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 03 11:05:14 2019
Response via : Initial Calibration



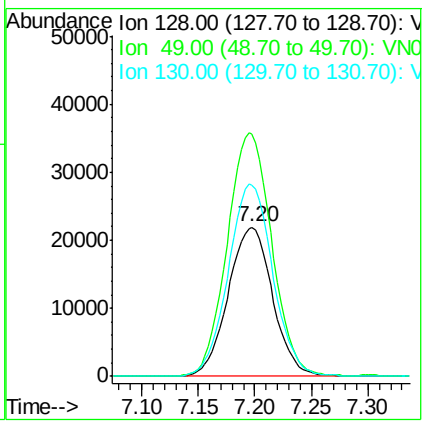


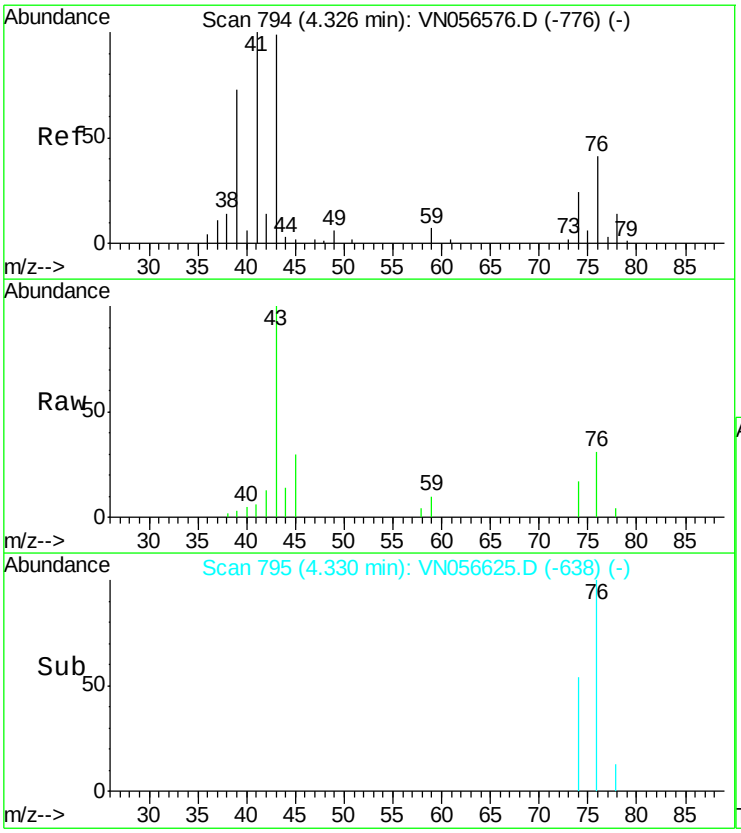
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN056625.D
Acq: 9 Jul 2019 13:20

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

Tgt Ion:128 Resp: 59830

Ion	Ratio	Lower	Upper
128	100		
49	163.5	0.0	355.8
130	129.4	0.0	326.3

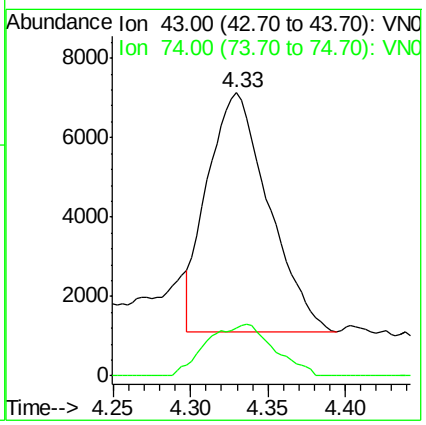


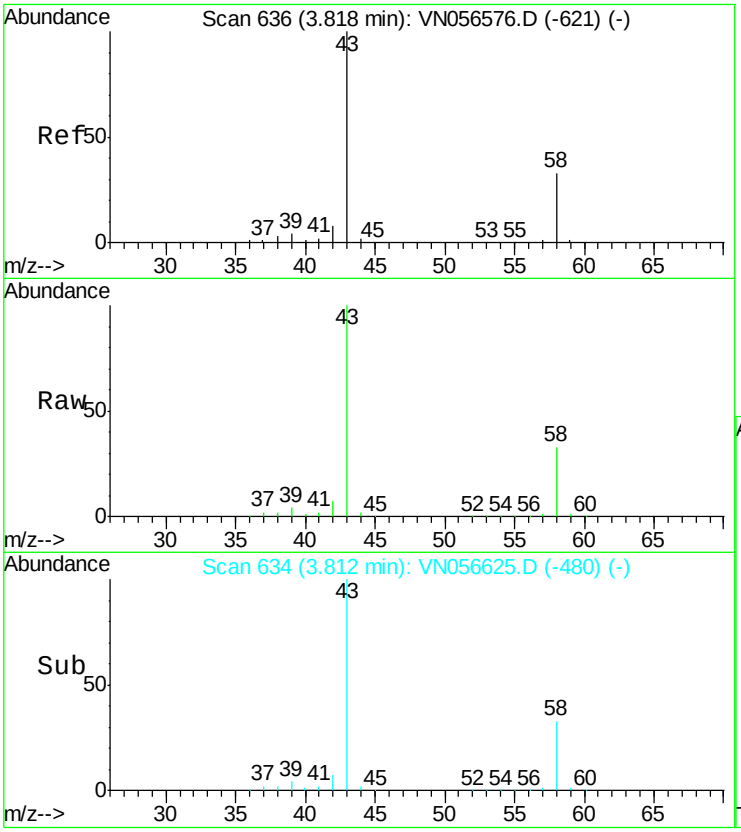


#12
Methyl Acetate
Concen: 3.760 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN056625.D
Acq: 9 Jul 2019 13:20

Tgt Ion: 43 Resp: 16583

Ion	Ratio	Lower	Upper
43	100		
74	20.2	19.9	29.9



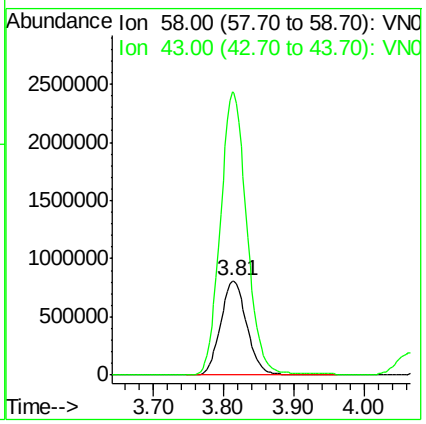


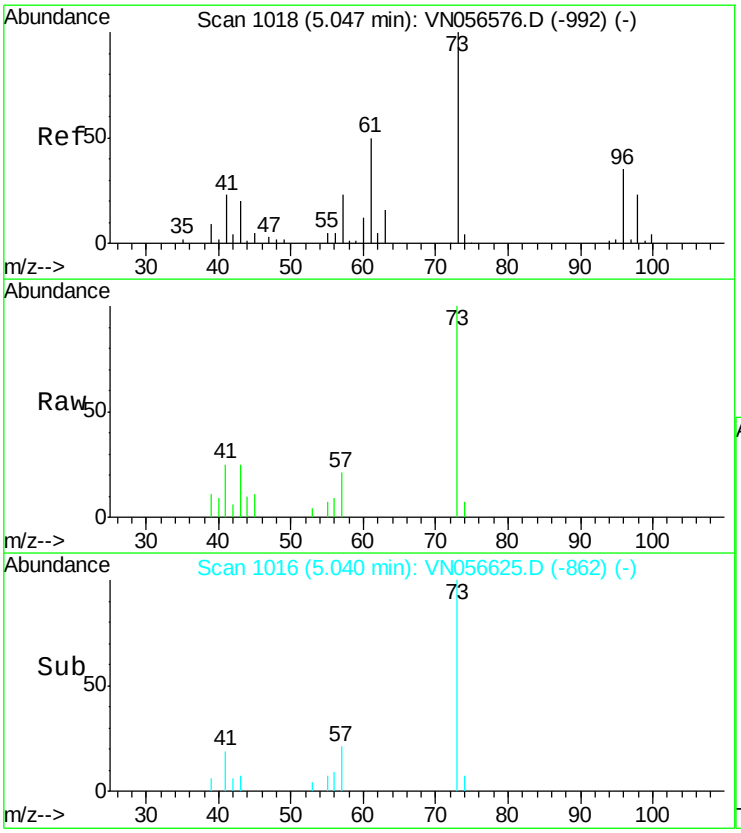
#15
Acetone
Concen: 3916.902 ug/l
RT: 3.81 min Scan# 634
Delta R.T. -0.01 min
Lab File: VN056625.D
Acq: 9 Jul 2019 13:20

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

Tgt Ion: 58 Resp: 2116477

Ion	Ratio	Lower	Upper
58	100		
43	299.3	232.5	348.7

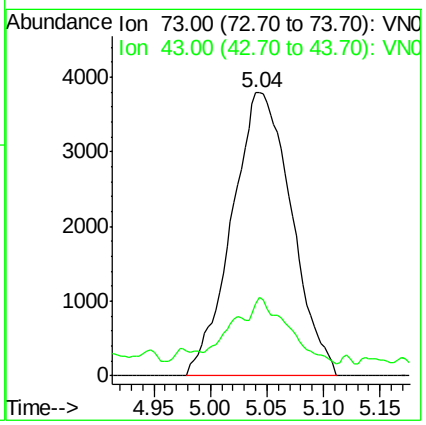


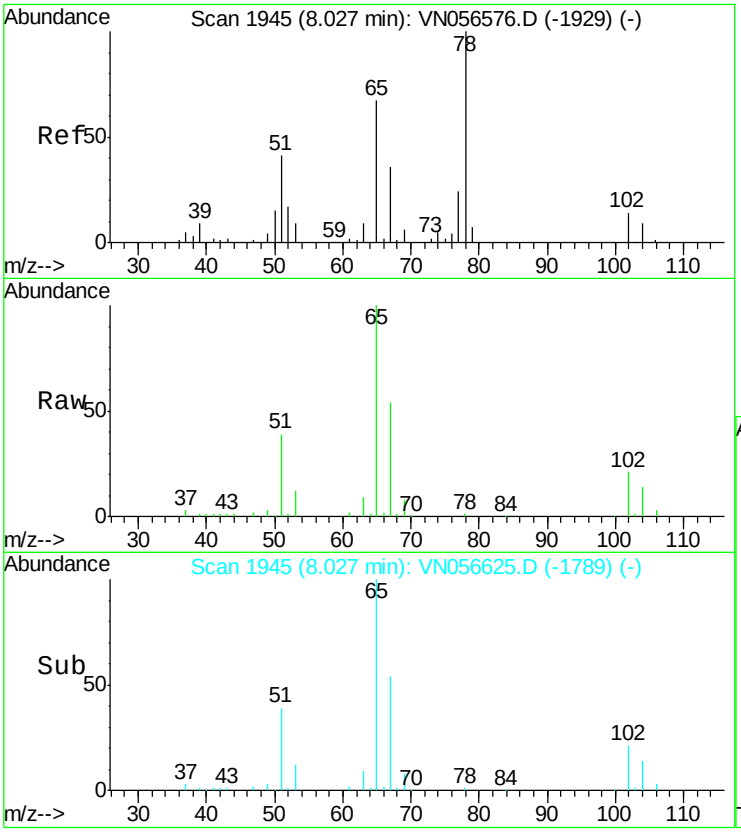


#24
Methyl tert-Butyl Ether
Concen: 1.286 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VN056625.D
Acq: 9 Jul 2019 13:20

Tgt Ion: 73 Resp: 13913

Ion	Ratio	Lower	Upper
73	100		
43	1.7	15.4	23.0#



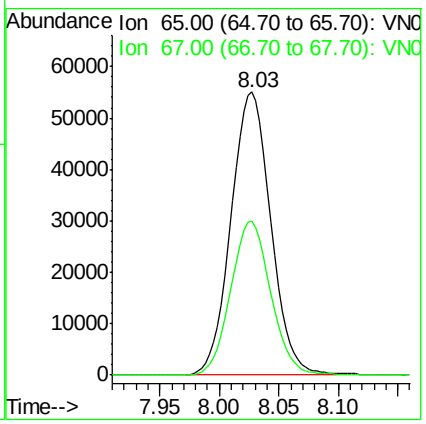


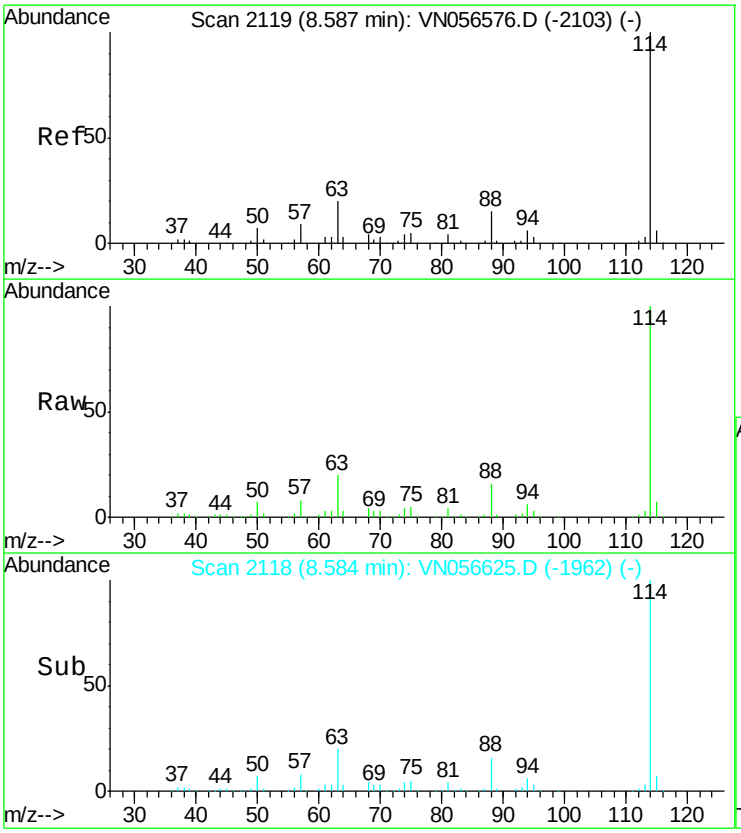
#27
1,2-Dichloroethane-d4
Concen: 30.960 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056625.D
Acq: 9 Jul 2019 13:20

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

Tgt Ion: 65 Resp: 127700

Ion	Ratio	Lower	Upper
65	100		
67	54.7	43.4	65.2

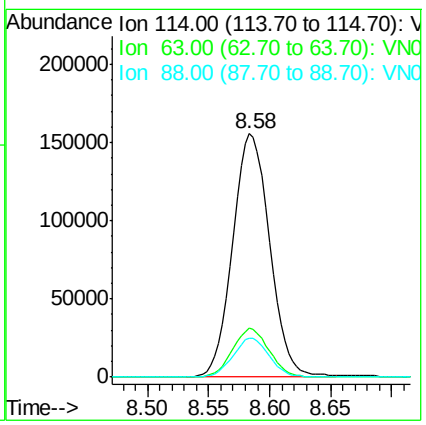


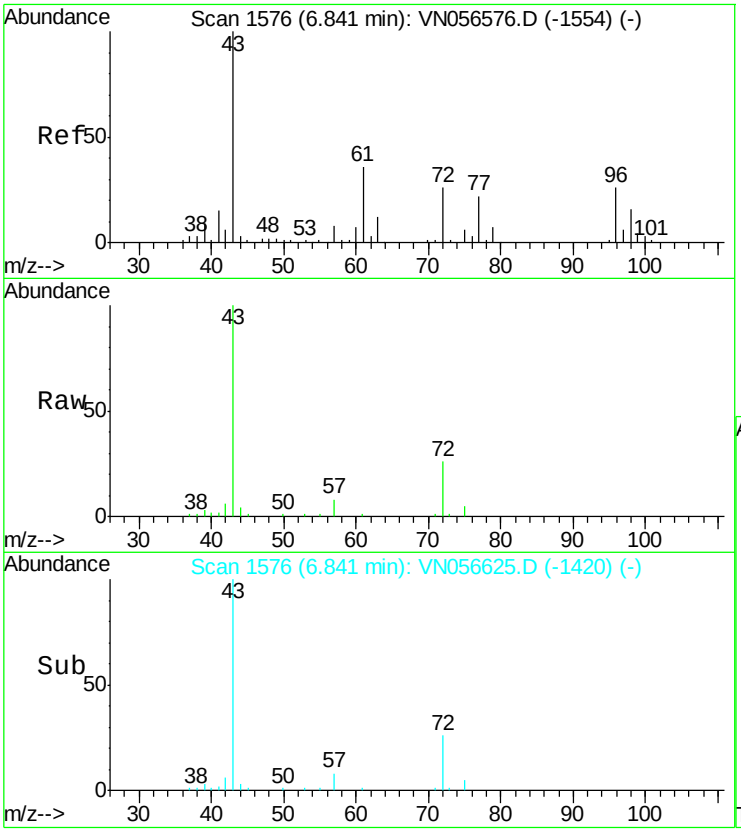


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.58 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN056625.D
Acq: 9 Jul 2019 13:20

Tgt Ion:114 Resp: 327904

Ion	Ratio	Lower	Upper
114	100		
63	19.7	14.7	22.1
88	15.7	11.9	17.9



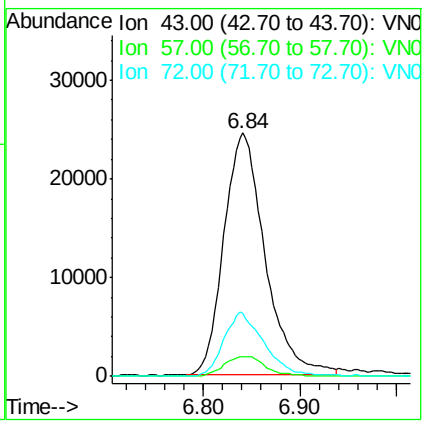


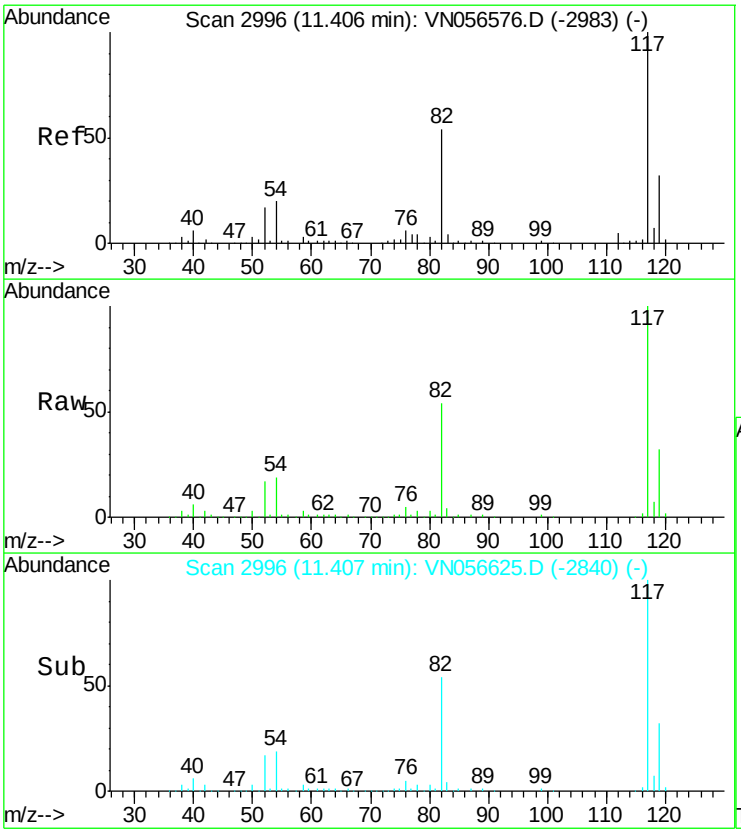
#30
2-Butanone
Concen: 26.911 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN056625.D
Acq: 9 Jul 2019 13:20

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

Tgt Ion: 43 Resp: 72238

Ion	Ratio	Lower	Upper
43	100		
57	8.2	6.7	10.1
72	25.8	22.4	33.6

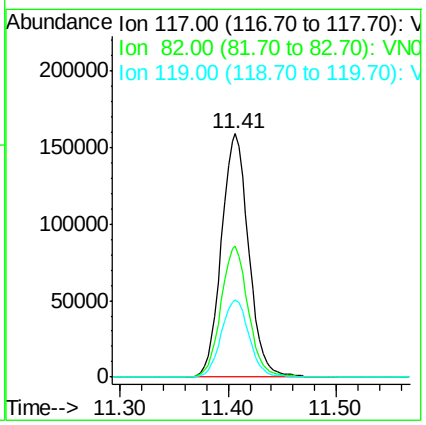


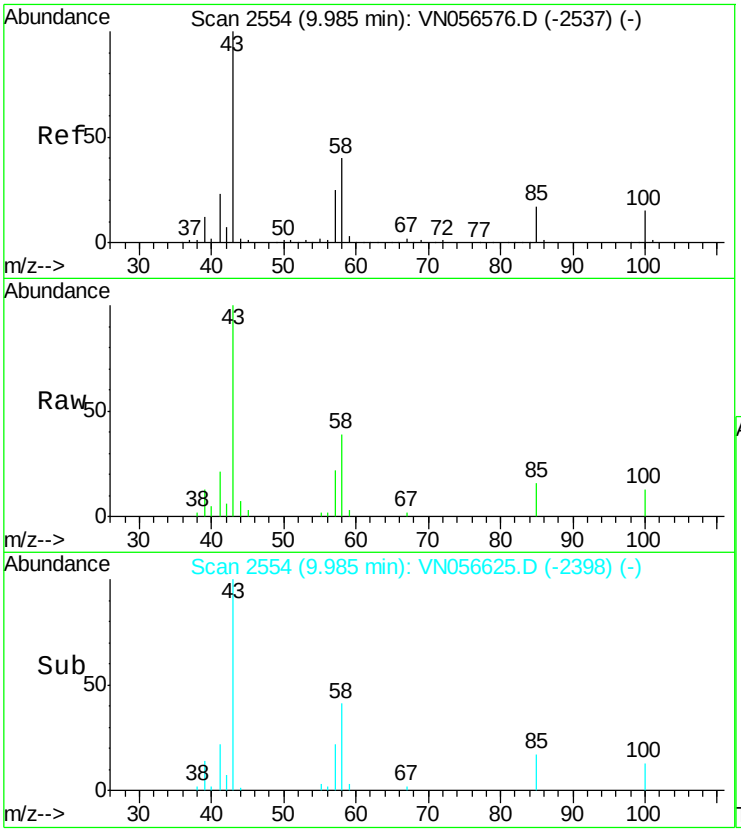


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056625.D
Acq: 9 Jul 2019 13:20

Tgt Ion:117 Resp: 279796

Ion	Ratio	Lower	Upper
117	100		
82	53.6	41.2	61.8
119	32.4	26.2	39.2



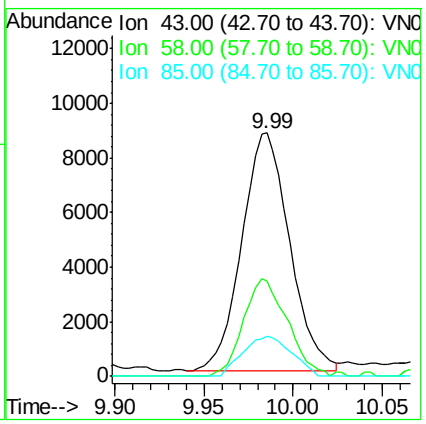


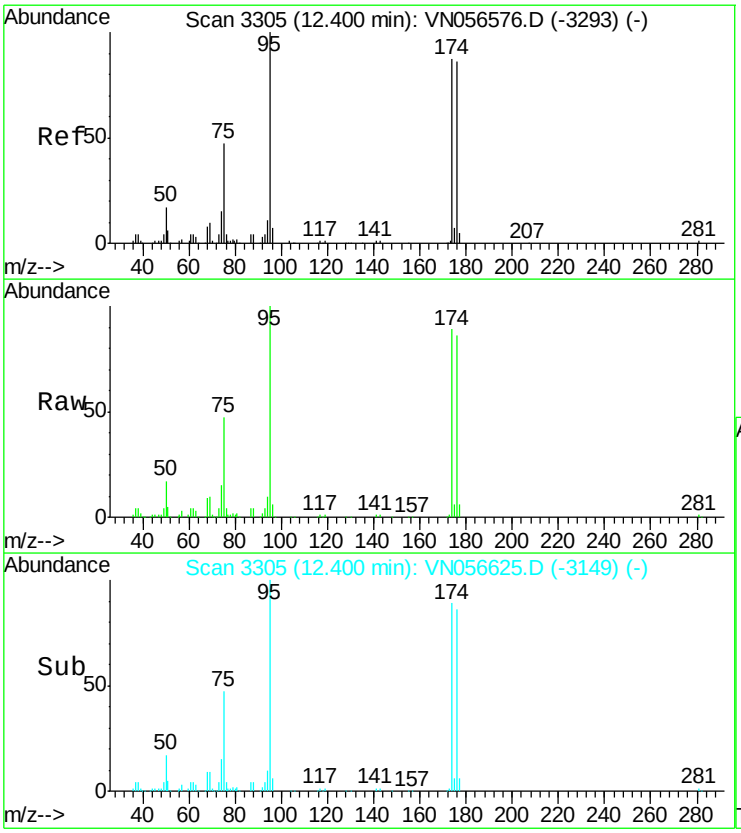
#58
4-Methyl-2-Pentanone
Concen: 3.250 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN056625.D
Acq: 9 Jul 2019 13:20

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

Tgt Ion: 43 Resp: 16352

Ion	Ratio	Lower	Upper
43	100		
58	37.6	33.1	49.7
85	17.0	15.5	23.3

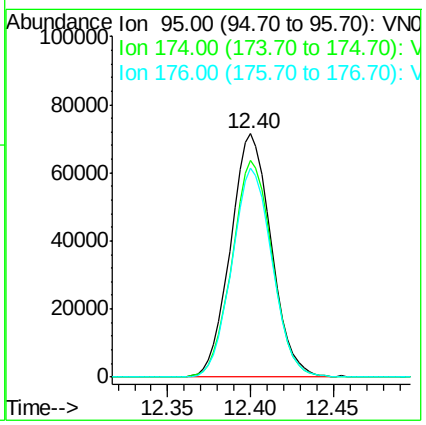


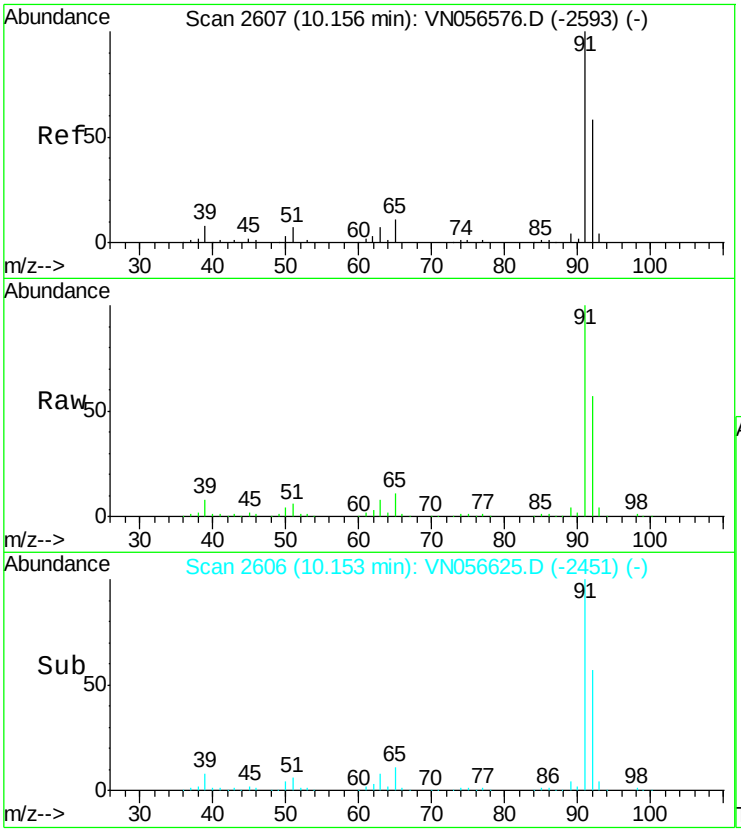


#60
4-Bromofluorobenzene
Concen: 28.447 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056625.D
Acq: 9 Jul 2019 13:20

Tgt Ion: 95 Resp: 122308

Ion	Ratio	Lower	Upper
95	100		
174	87.9	75.4	113.0
176	84.9	73.9	110.9



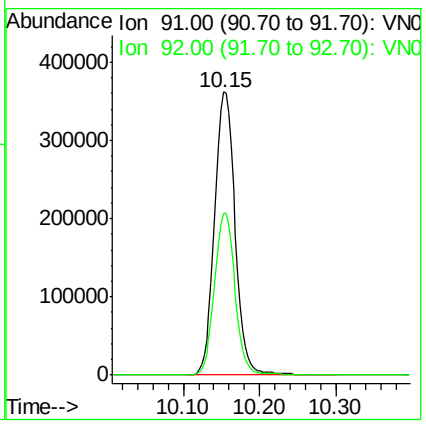


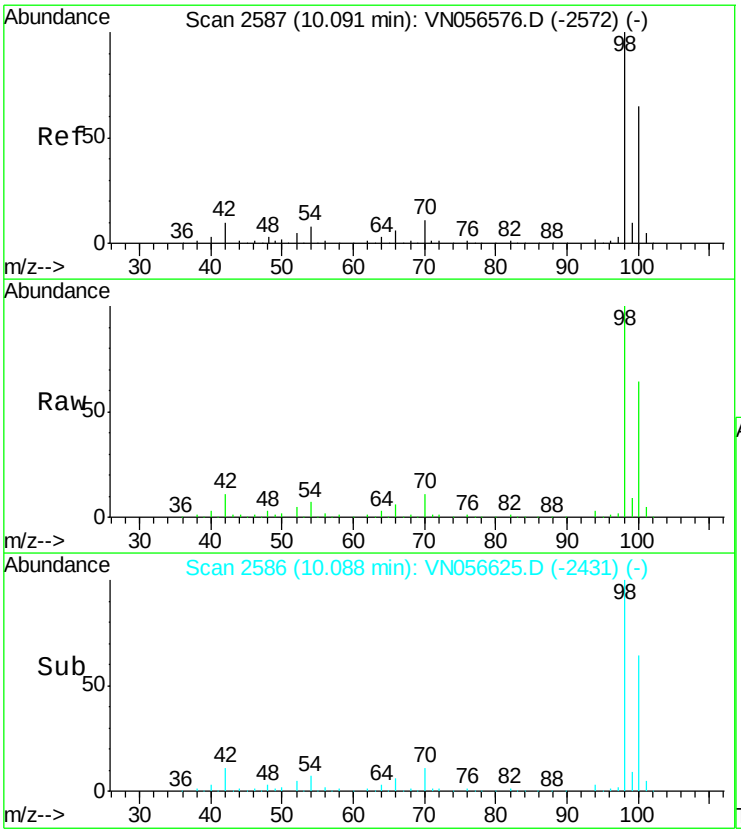
#62
Toluene
Concen: 43.535 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VN056625.D
Acq: 9 Jul 2019 13:20

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

Tgt Ion: 91 Resp: 679820

Ion	Ratio	Lower	Upper
91	100		
92	57.0	45.5	68.3

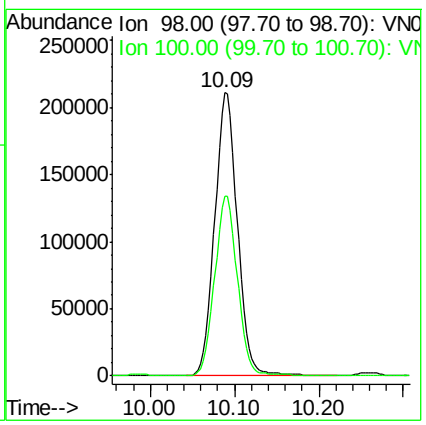


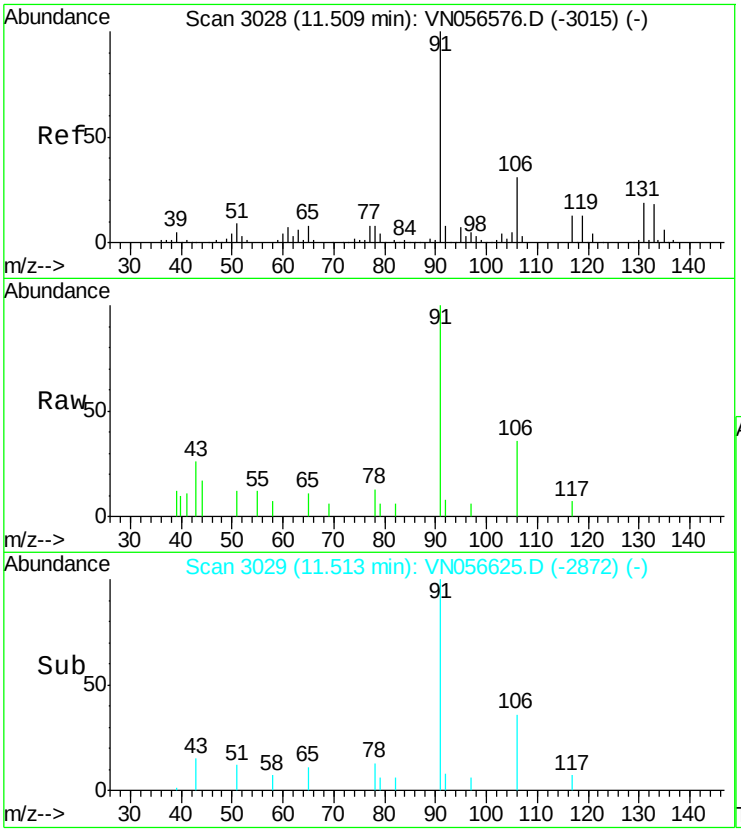


#63
Toluene-d8
Concen: 30.487 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN056625.D
Acq: 9 Jul 2019 13:20

Tgt Ion: 98 Resp: 396394

Ion	Ratio	Lower	Upper
98	100		
100	63.7	52.2	78.4



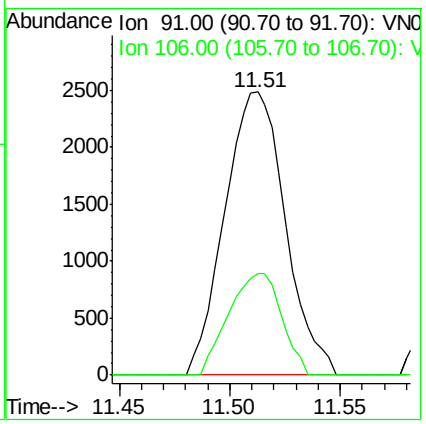


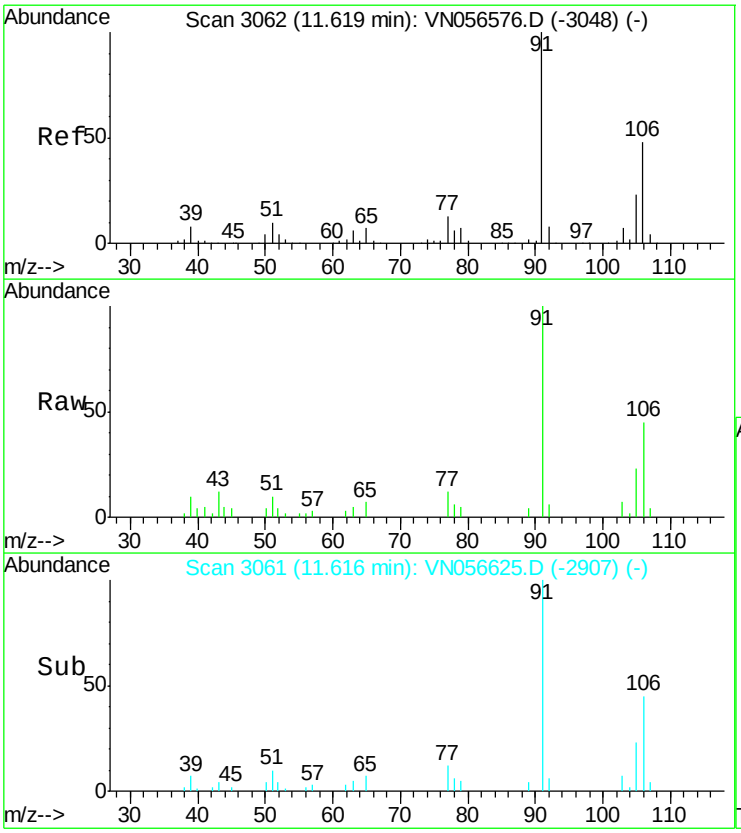
#66
Ethyl Benzene
Concen: 0.280 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN056625.D
Acq: 9 Jul 2019 13:20

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

Tgt Ion: 91 Resp: 4748

Ion	Ratio	Lower	Upper
91	100		
106	36.1	25.7	38.5

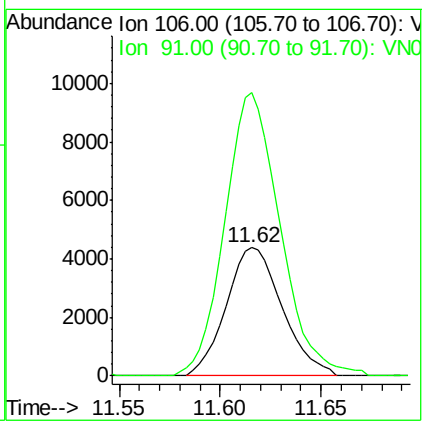


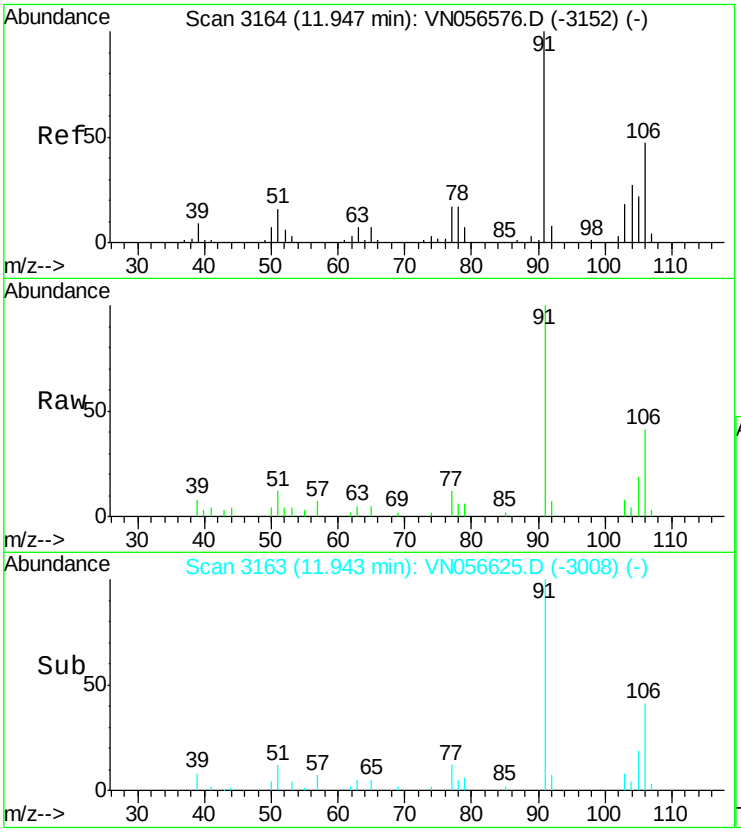


#67
m/p-Xylenes
Concen: 1.363 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.01 min
Lab File: VN056625.D
Acq: 9 Jul 2019 13:20

Tgt Ion:106 Resp: 8519

Ion	Ratio	Lower	Upper
106	100		
91	217.5	155.7	233.5



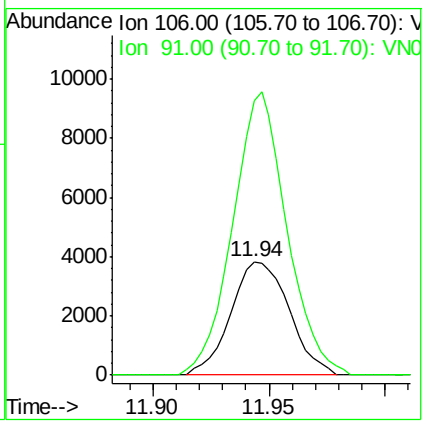


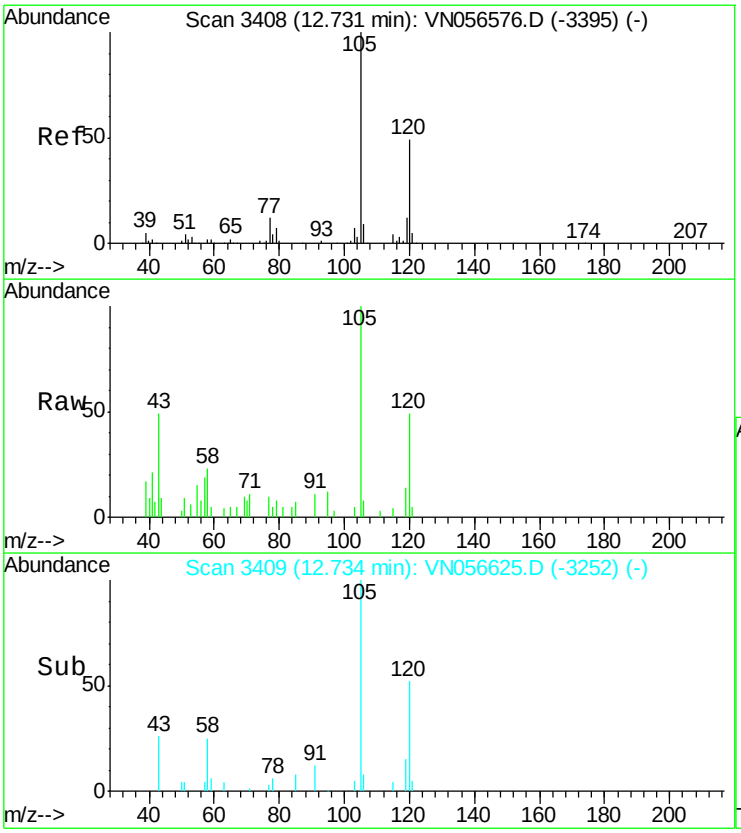
#68
o-Xylene
Concen: 1.085 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN056625.D
Acq: 9 Jul 2019 13:20

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

Tgt Ion:106 Resp: 6705

Ion	Ratio	Lower	Upper
106	100		
91	231.5	103.9	311.7

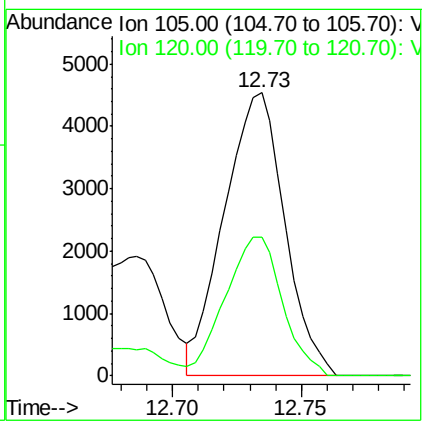


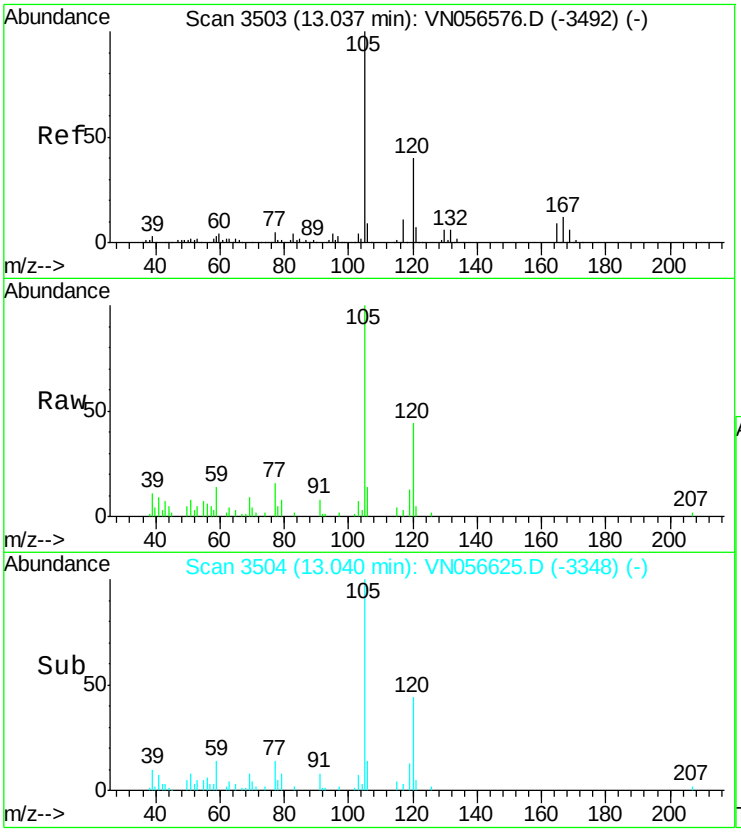


#76
1,3,5-Trimethylbenzene
Concen: 0.544 ug/l
RT: 12.73 min Scan# 3409
Delta R.T. 0.00 min
Lab File: VN056625.D
Acq: 9 Jul 2019 13:20

Tgt Ion:105 Resp: 7430

Ion	Ratio	Lower	Upper
105	100		
120	46.5	0.0	100.6



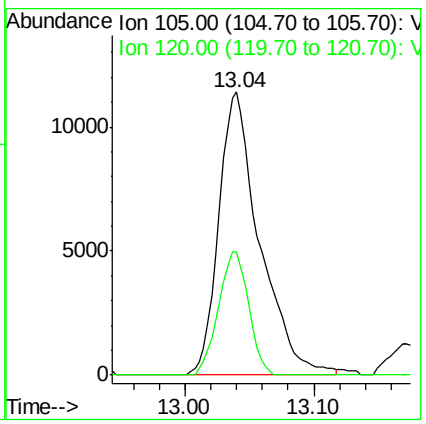


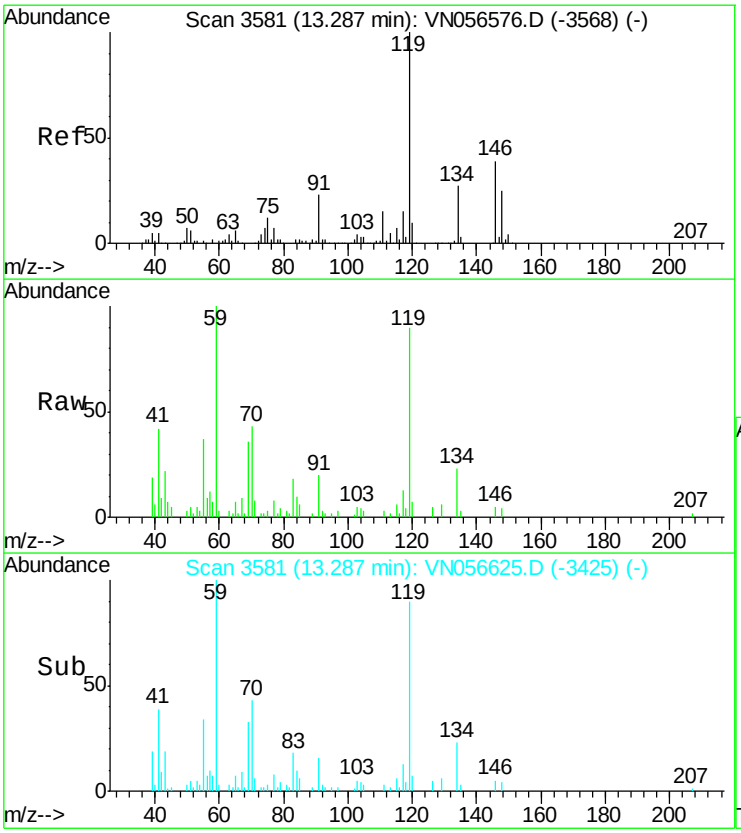
#80
1,2,4-Trimethylbenzene
Concen: 1.861 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056625.D
Acq: 9 Jul 2019 13:20

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

Tgt Ion:105 Resp: 25089

Ion	Ratio	Lower	Upper
105	100		
120	32.1	0.0	93.4

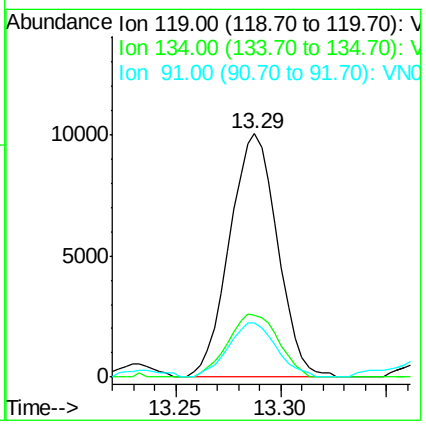


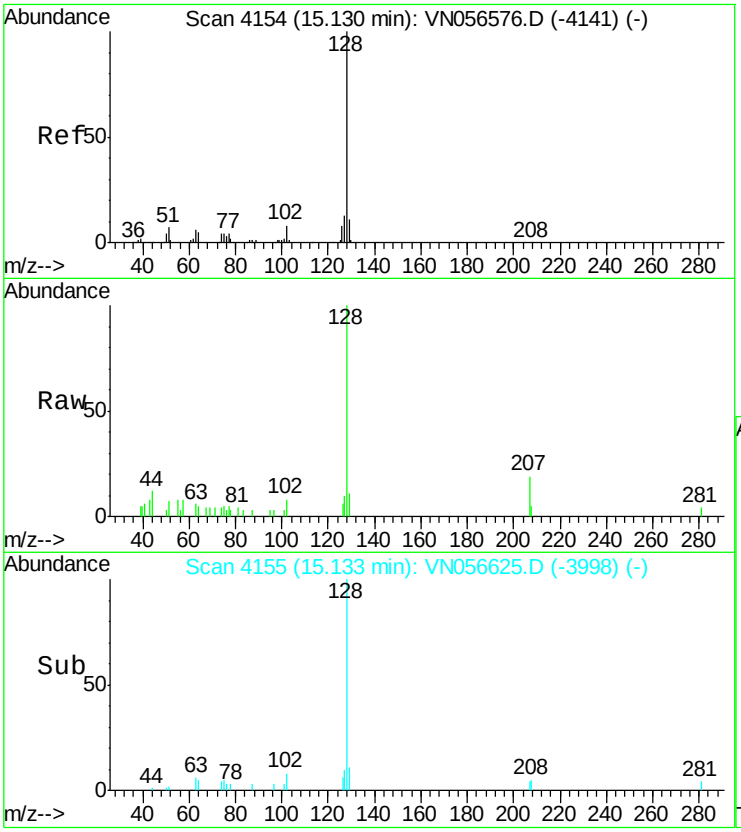


#82
p-Isopropyltoluene
Concen: 1.139 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. 0.00 min
Lab File: VN056625.D
Acq: 9 Jul 2019 13:20

Tgt Ion:119 Resp: 15839

Ion	Ratio	Lower	Upper
119	100		
134	27.3	0.0	53.4
91	22.4	0.0	43.0





#91
Naphthalene
Concen: 0.964 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN056625.D
Acq: 9 Jul 2019 13:20

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

Tgt Ion:128 Resp: 10490

Ion	Ratio	Lower	Upper
128	100		
127	11.8	10.4	15.6
129	9.9	8.7	13.1