Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX120719\
Data File : VX0137843.D
Acq On : 07 Dec 2019 16:11
Operator : JC/SP
Sample : K6137-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId :

Quant Time: Dec 09 03:03:10 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	96508	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	6.85	114	543168	30.00	ug/l		0.00
57) Chlorobenzene-d5	10.11	117	482498	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	6.05	65	208386	29.24	ug/l		0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 97.47%				
60) 4-Bromofluorobenzene	11.13	95	224866	29.00	ug/l		0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 96.67%				
63) Toluene-d8	8.71	98	644870	29.56	ug/l		0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 98.53%				
Target Compounds							Qvalue
12) Methyl Acetate	2.76	43	18103	1.733	ug/l		93
15) Acetone	2.43	58	979274	841.887	ug/l		94
23) tert-Butyl Alcohol	3.01	59	7517	4.067	ug/l	#	98
30) 2-Butanone	4.66	43	44090	8.052	ug/l	#	96
58) 4-Methyl-2-Pentanone	8.64	43	22681	2.250	ug/l		98
62) Toluene	8.78	91	802829	29.871	ug/l		99
66) Ethyl Benzene	10.25	91	19003	0.644	ug/l		96
67) m/p-Xylenes	10.36	106	28361	2.490	ug/l		93
68) o-Xylene	10.70	106	13356	1.215	ug/l		97
80) 1,2,4-Trimethylbenzene	11.81	105	16268	0.671	ug/l		92
82) p-Isopropyltoluene	12.06	119	8896	0.345	ug/l		92

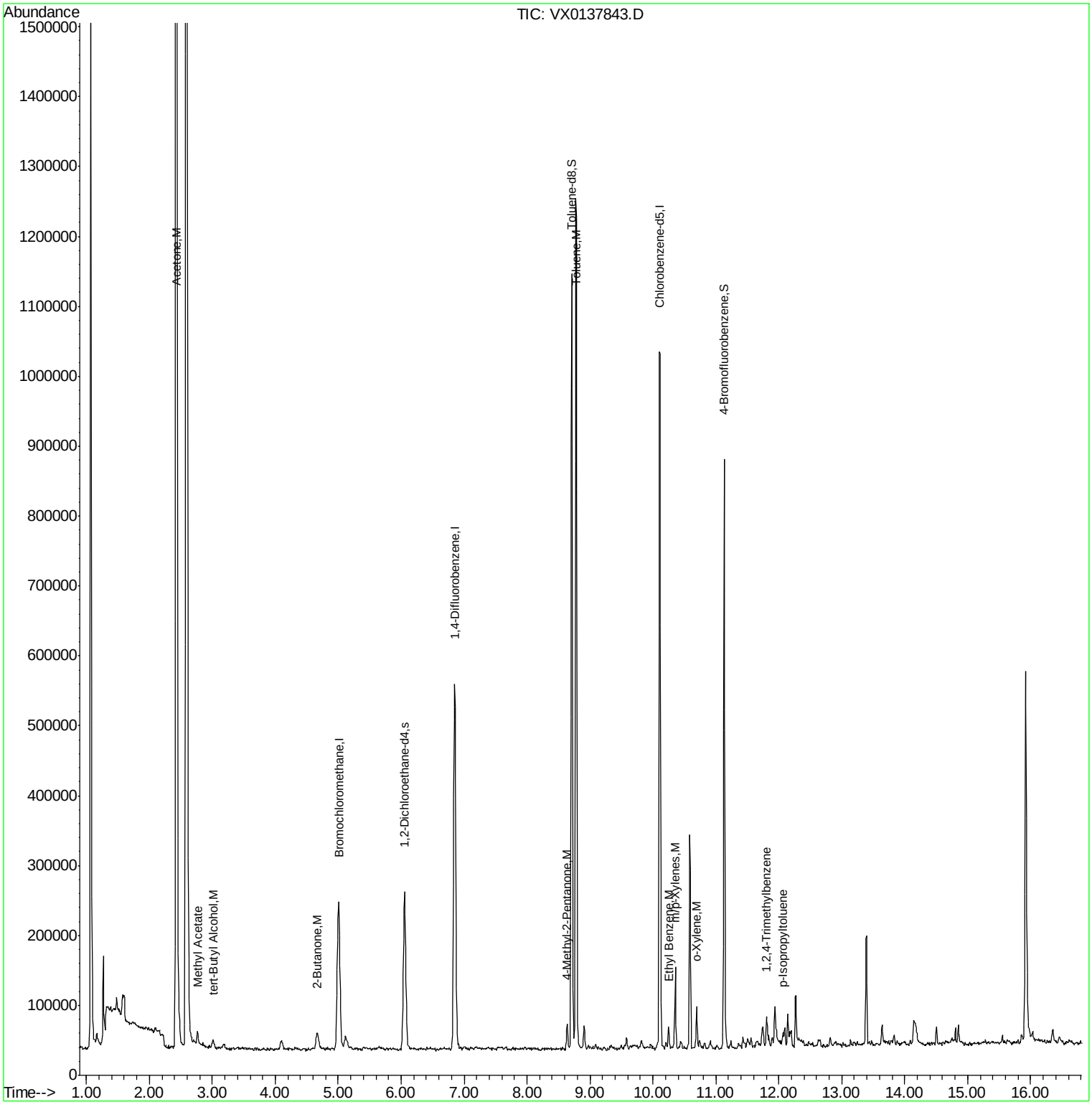
(#) = qualifier out of range (m) = manual integration (+) = signals summed

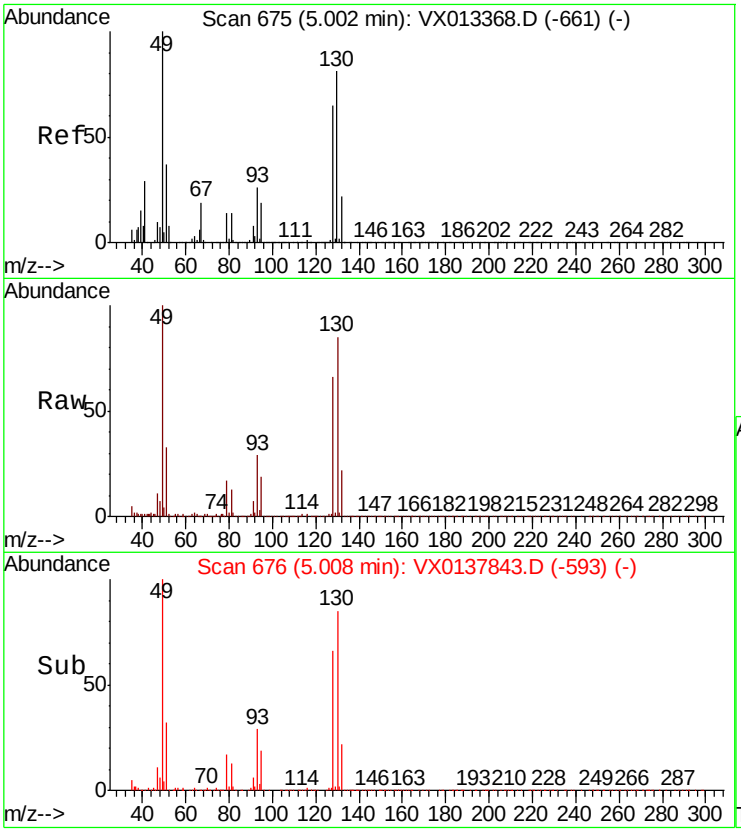
Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX120719\
Data File : VX0137843.D
Acq On : 07 Dec 2019 16:11
Operator : JC/SP
Sample : K6137-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Dec 09 03:03:10 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



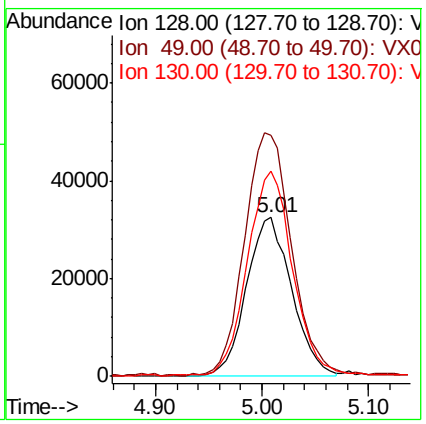


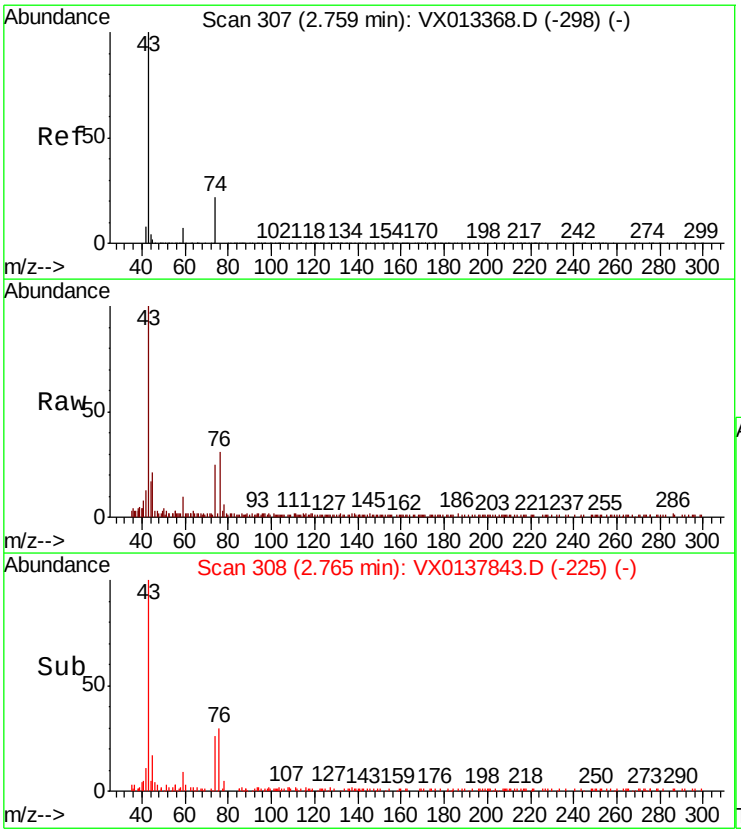
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX0137843.D
Acq: 07 Dec 2019 16:11

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:128 Resp: 96508

Ion	Ratio	Lower	Upper
128	100		
49	158.9	0.0	388.3
130	129.8	0.0	318.5

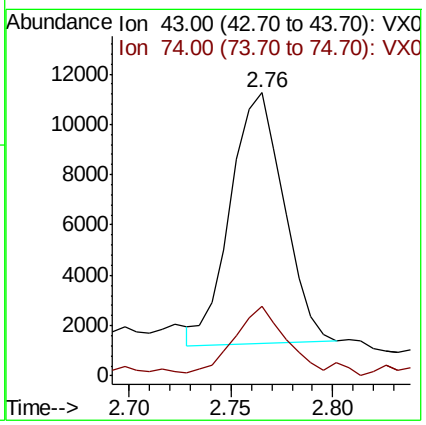


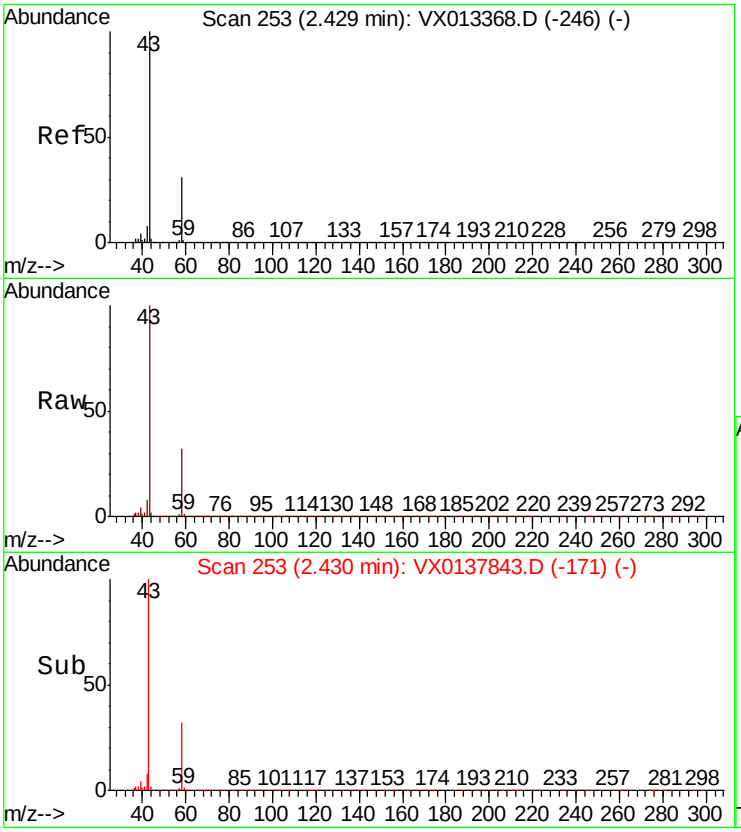


#12
Methyl Acetate
Concen: 1.733 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.01 min
Lab File: VX0137843.D
Acq: 07 Dec 2019 16:11

Tgt Ion: 43 Resp: 18103

Ion	Ratio	Lower	Upper
43	100		
74	25.8	18.0	27.0



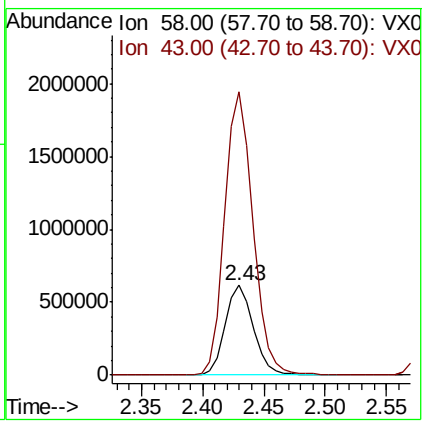


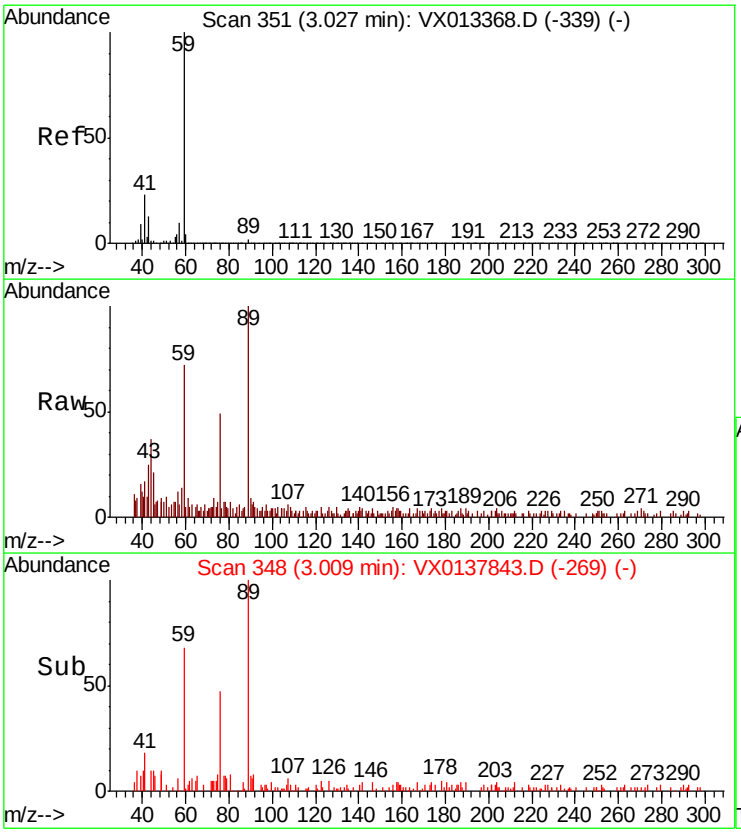
#15
Acetone
Concen: 841.887 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX0137843.D
Acq: 07 Dec 2019 16:11

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 58 Resp: 979274

Ion	Ratio	Lower	Upper
58	100		
43	314.4	261.4	392.2

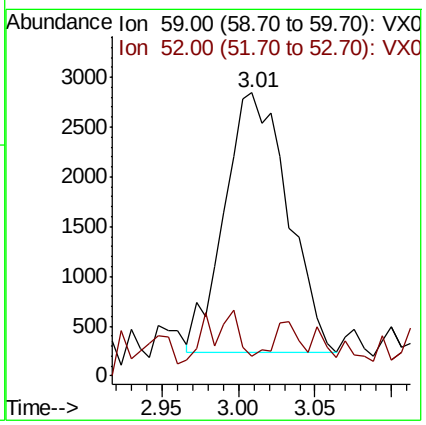


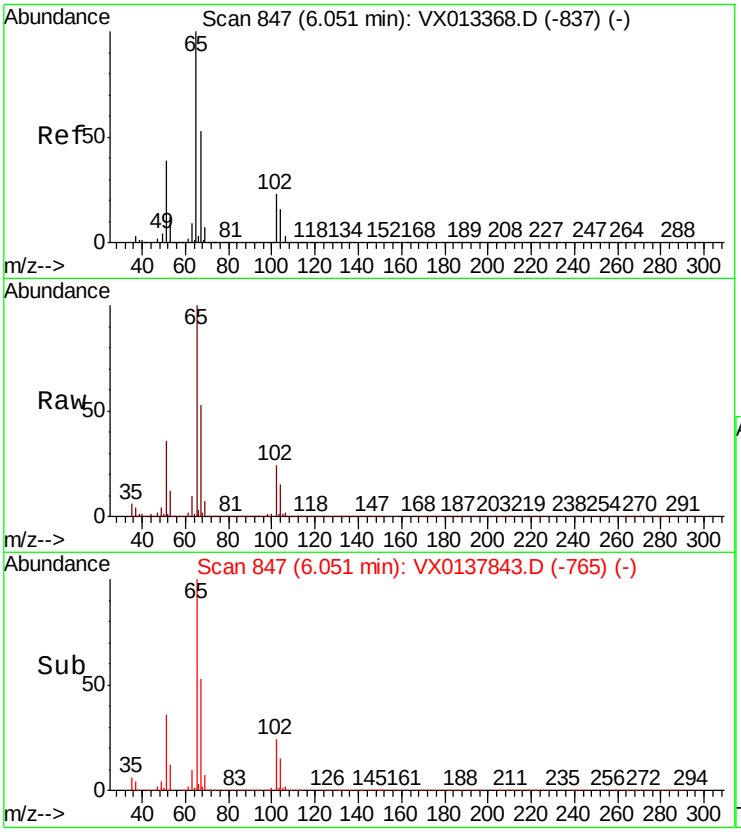


#23
tert-Butyl Alcohol
Concen: 4.067 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX0137843.D
Acq: 07 Dec 2019 16:11

Tgt Ion: 59 Resp: 7517

Ion	Ratio	Lower	Upper
59	100		
52	4.3	0.1	0.1#



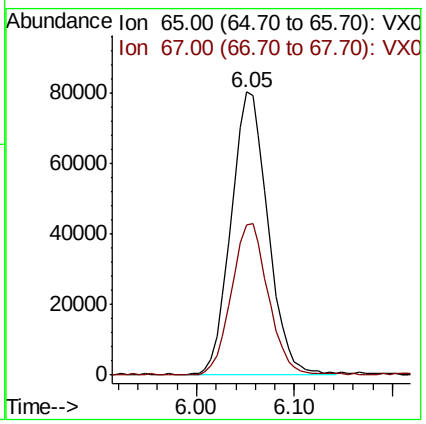


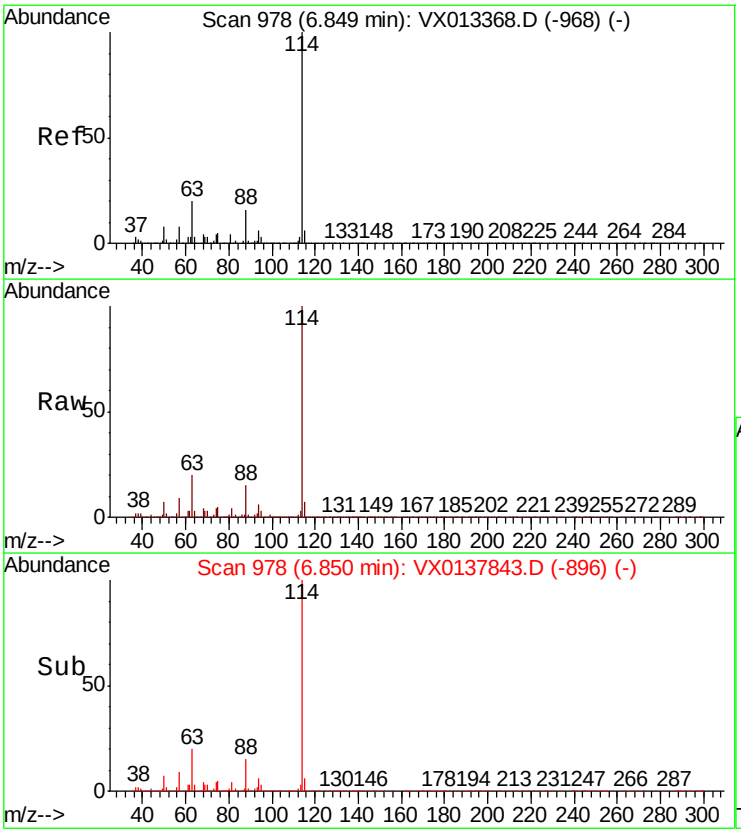
#27
1,2-Dichloroethane-d4
Concen: 29.242 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX0137843.D
Acq: 07 Dec 2019 16:11

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 65 Resp: 208386

Ion	Ratio	Lower	Upper
65	100		
67	53.2	41.0	61.6

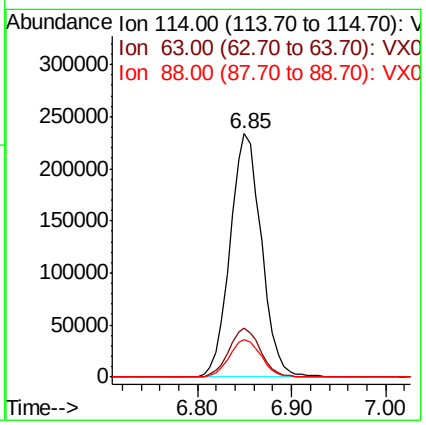


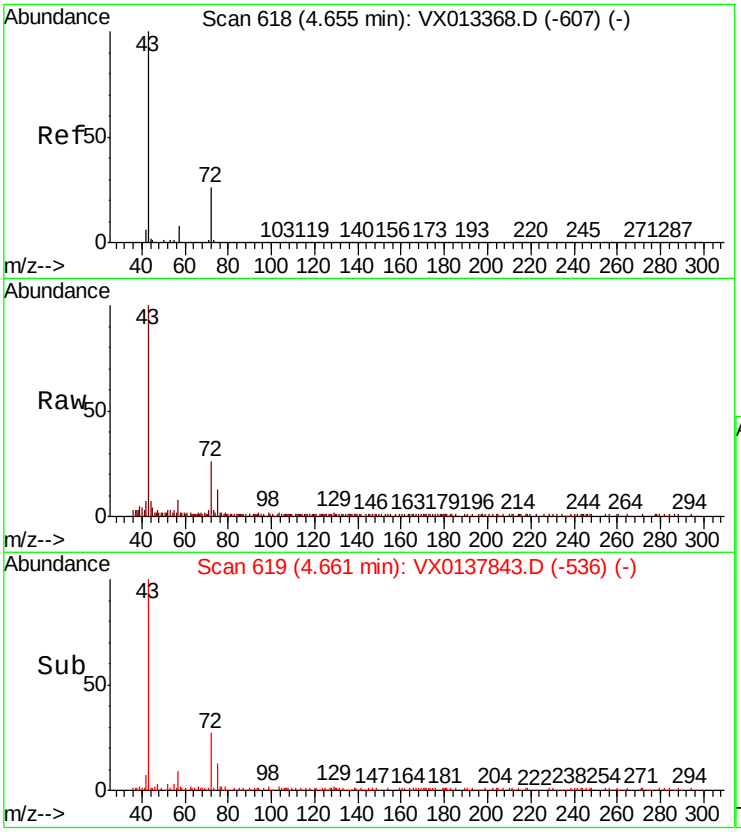


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX0137843.D
Acq: 07 Dec 2019 16:11

Tgt Ion:114 Resp: 543168

Ion	Ratio	Lower	Upper
114	100		
63	20.2	16.1	24.1
88	15.4	12.3	18.5



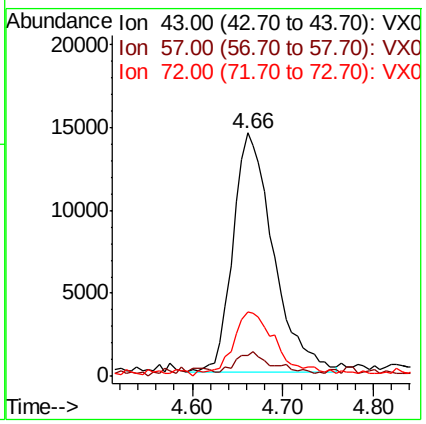


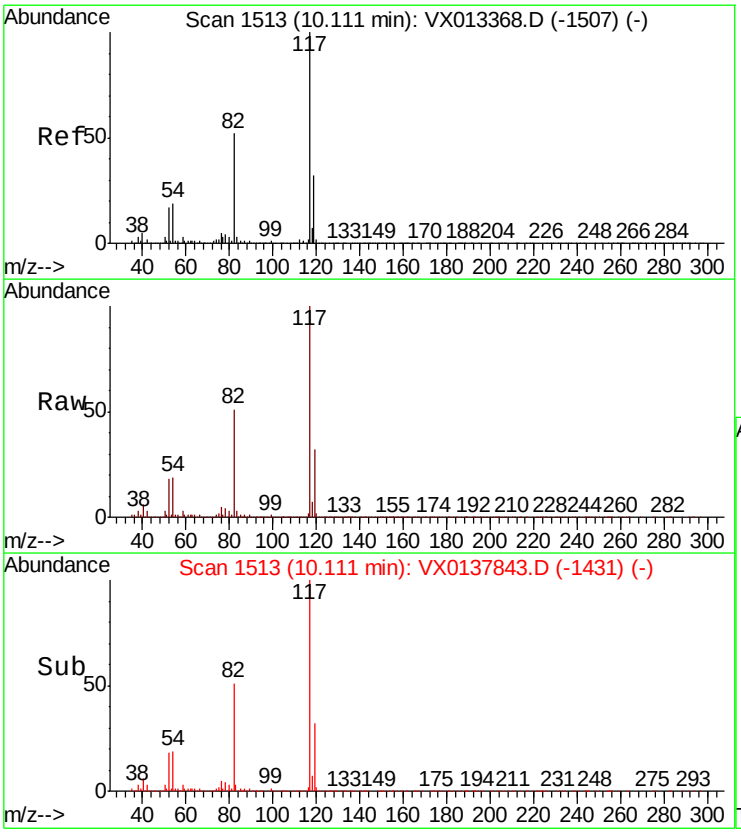
#30
2-Butanone
Concen: 8.052 ug/l
RT: 4.66 min Scan# 619
Delta R.T. 0.01 min
Lab File: VX0137843.D
Acq: 07 Dec 2019 16:11

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 43 Resp: 44090

Ion	Ratio	Lower	Upper
43	100		
57	5.7	6.1	9.1#
72	24.0	20.5	30.7

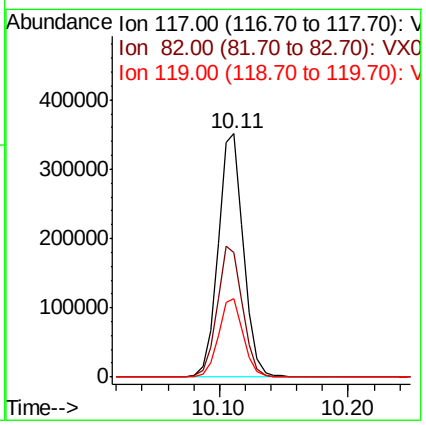


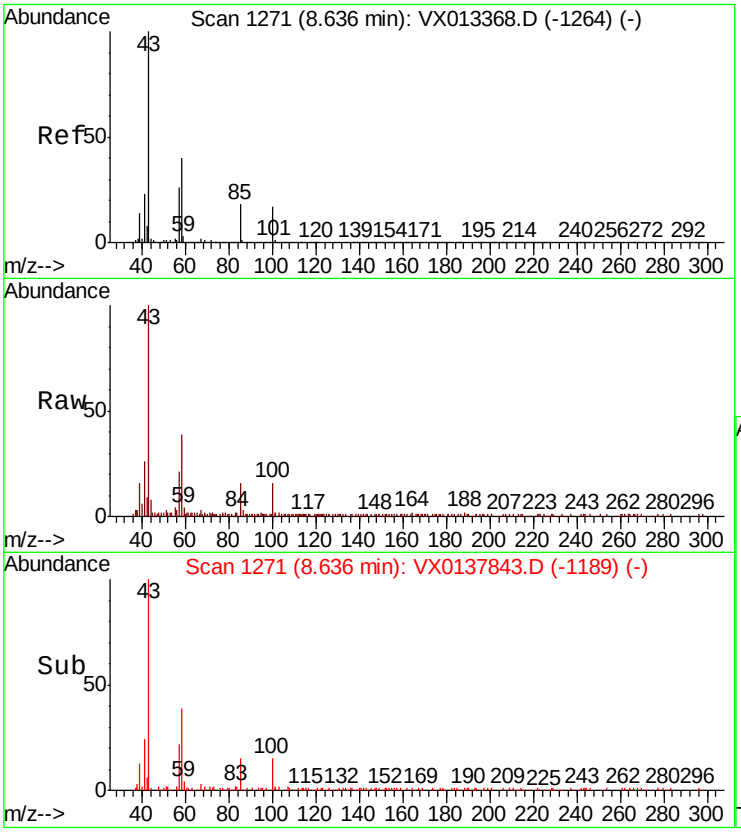


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX0137843.D
Acq: 07 Dec 2019 16:11

Tgt Ion:117 Resp: 482498

Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.7	65.5
119	31.8	25.5	38.3



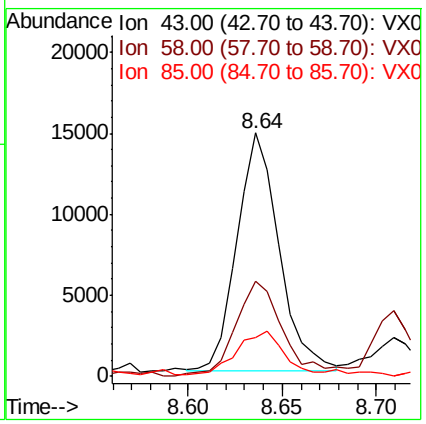


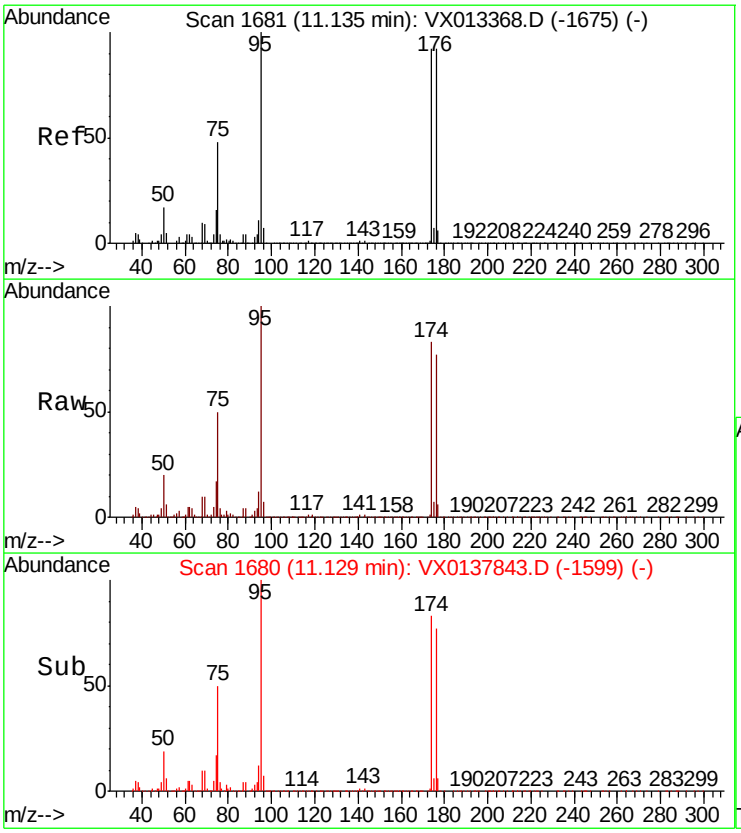
#58
4-Methyl-2-Pentanone
Concen: 2.250 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX0137843.D
Acq: 07 Dec 2019 16:11

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 43 Resp: 22681

Ion	Ratio	Lower	Upper
43	100		
58	39.2	31.6	47.4
85	19.8	14.2	21.2

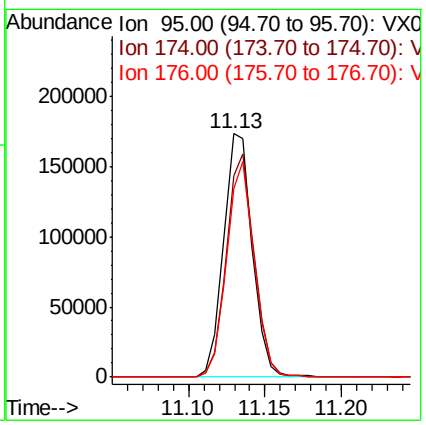


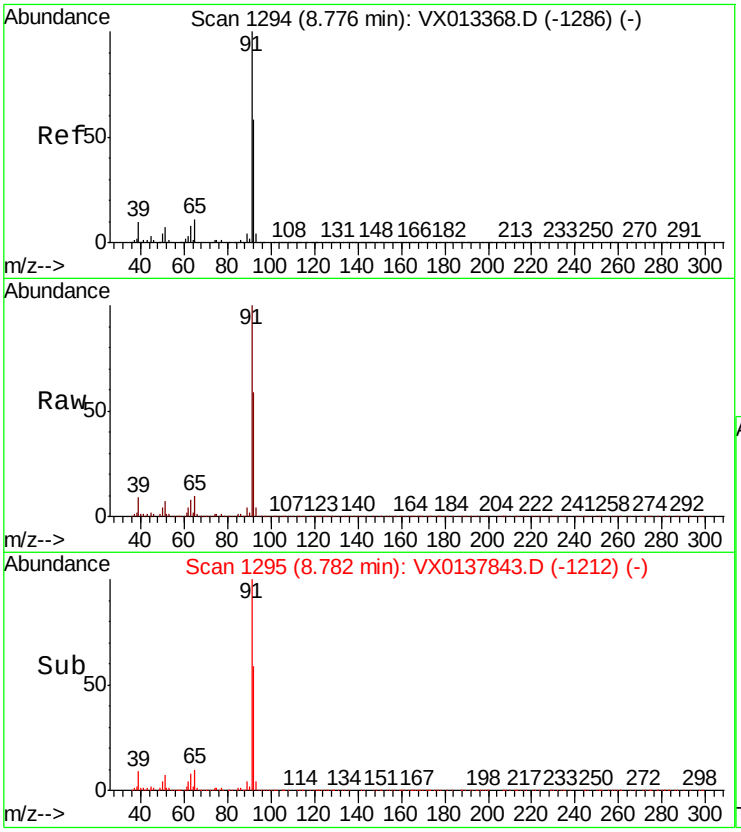


#60
4-Bromofluorobenzene
Concen: 28.996 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX0137843.D
Acq: 07 Dec 2019 16:11

Tgt Ion: 95 Resp: 224866

Ion	Ratio	Lower	Upper
95	100		
174	89.2	70.2	105.2
176	85.7	68.3	102.5



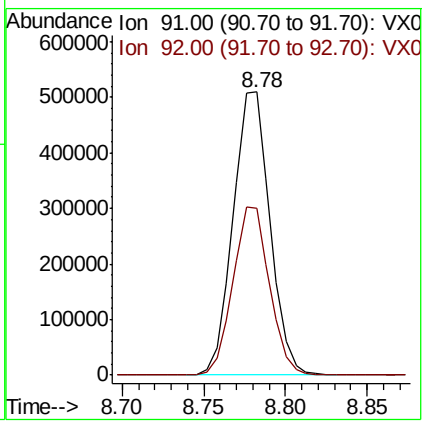


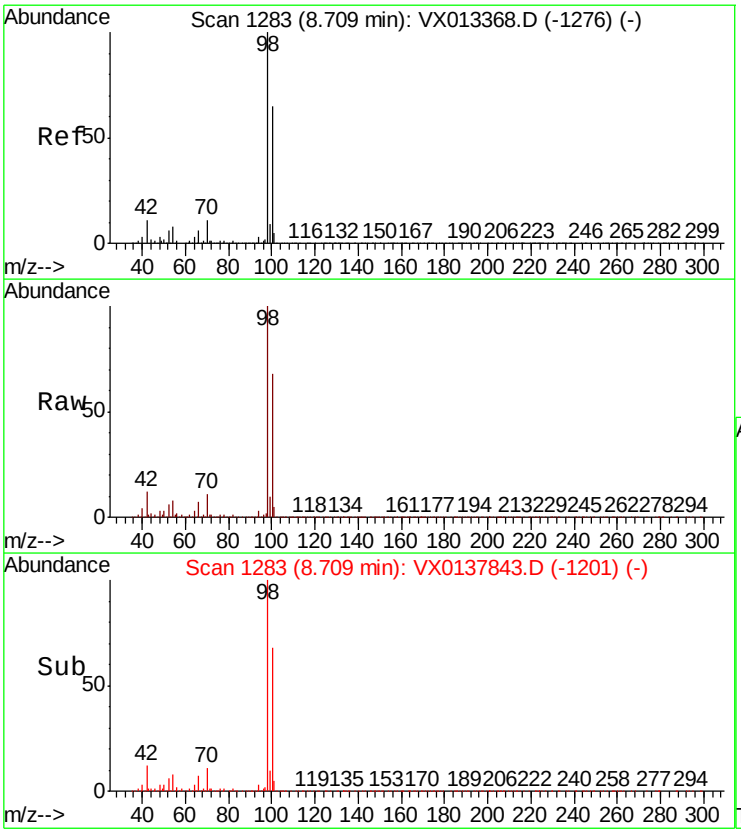
#62
Toluene
Concen: 29.871 ug/l
RT: 8.78 min Scan# 1295
Delta R.T. 0.01 min
Lab File: VX0137843.D
Acq: 07 Dec 2019 16:11

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 91 Resp: 802829

Ion	Ratio	Lower	Upper
91	100		
92	59.0	46.6	69.8

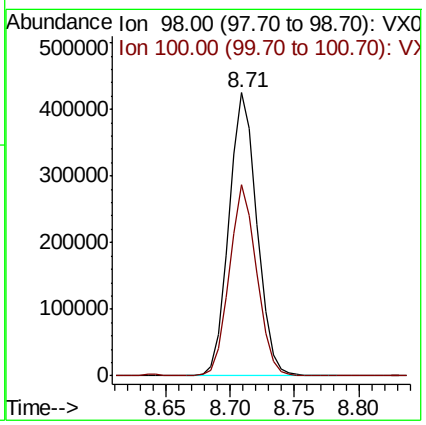


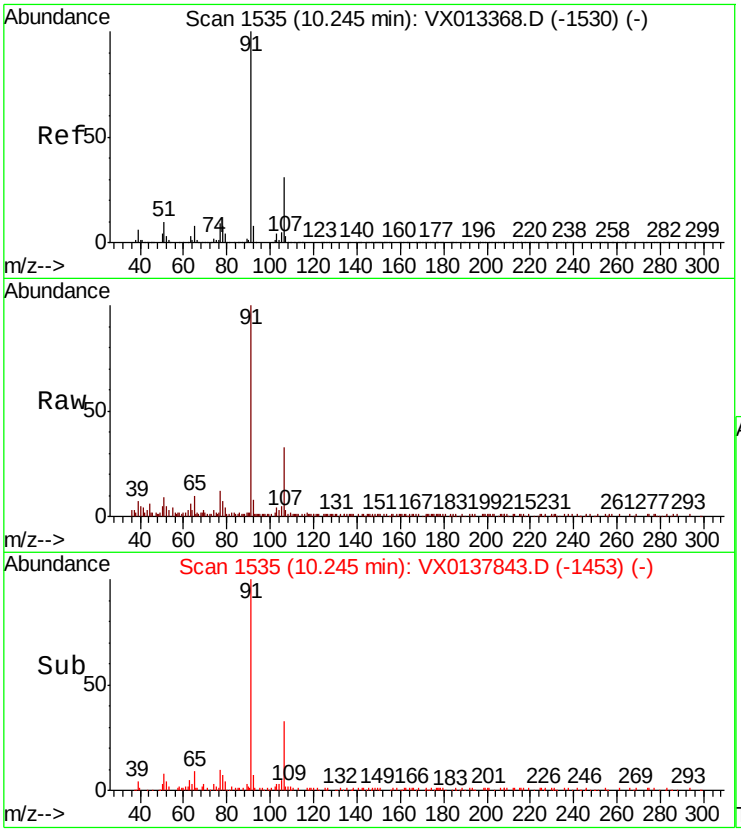


#63
Toluene-d8
Concen: 29.556 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX0137843.D
Acq: 07 Dec 2019 16:11

Tgt Ion: 98 Resp: 644870

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.5	78.7



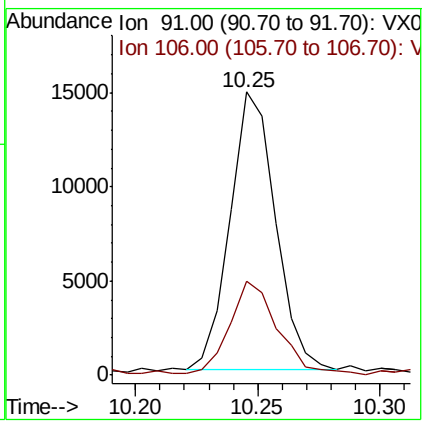


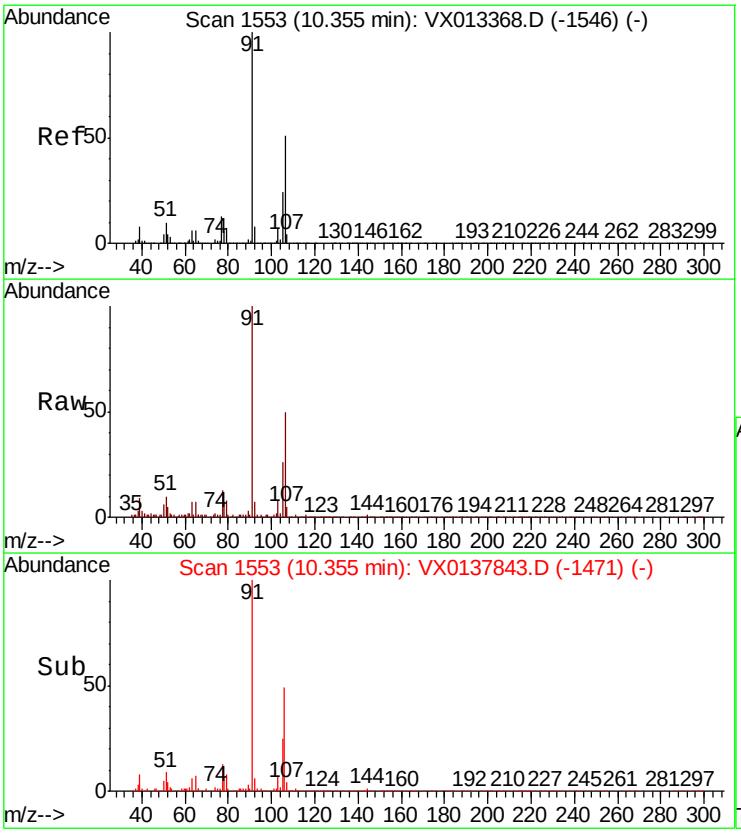
#66
Ethyl Benzene
Concen: 0.644 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX0137843.D
Acq: 07 Dec 2019 16:11

Instrument : MSVOA_X
ClientSampleId :

Tgt Ion: 91 Resp: 19003

Ion	Ratio	Lower	Upper
91	100		
106	33.3	25.0	37.4

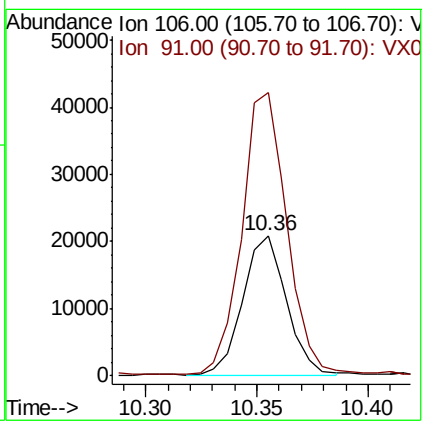


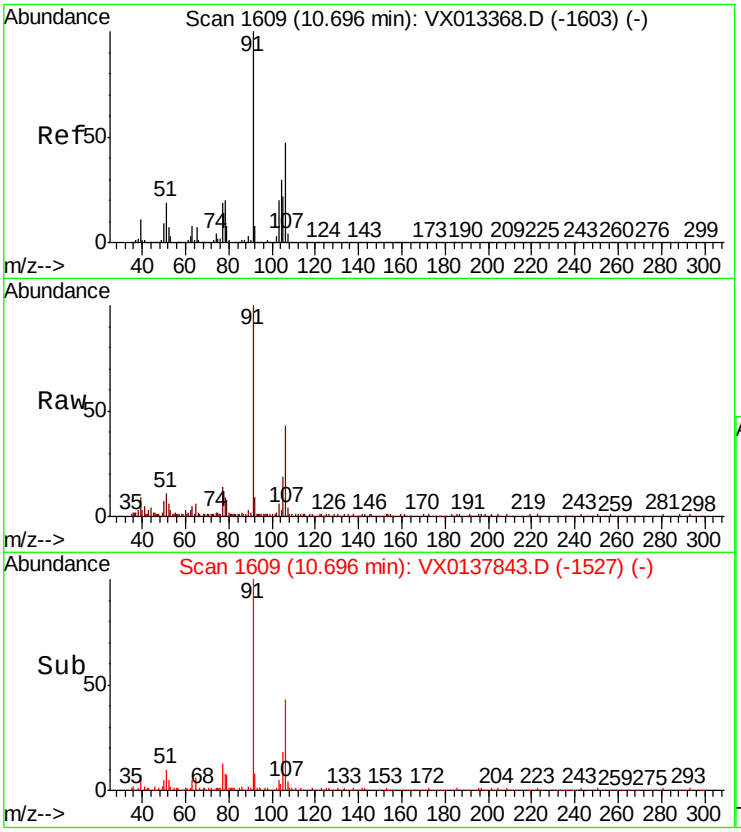


#67
m/p-Xylenes
Concen: 2.490 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX0137843.D
Acq: 07 Dec 2019 16:11

Tgt Ion:106 Resp: 28361

Ion	Ratio	Lower	Upper
106	100		
91	209.2	158.4	237.6



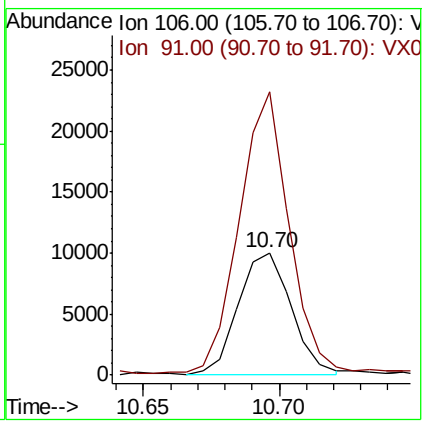


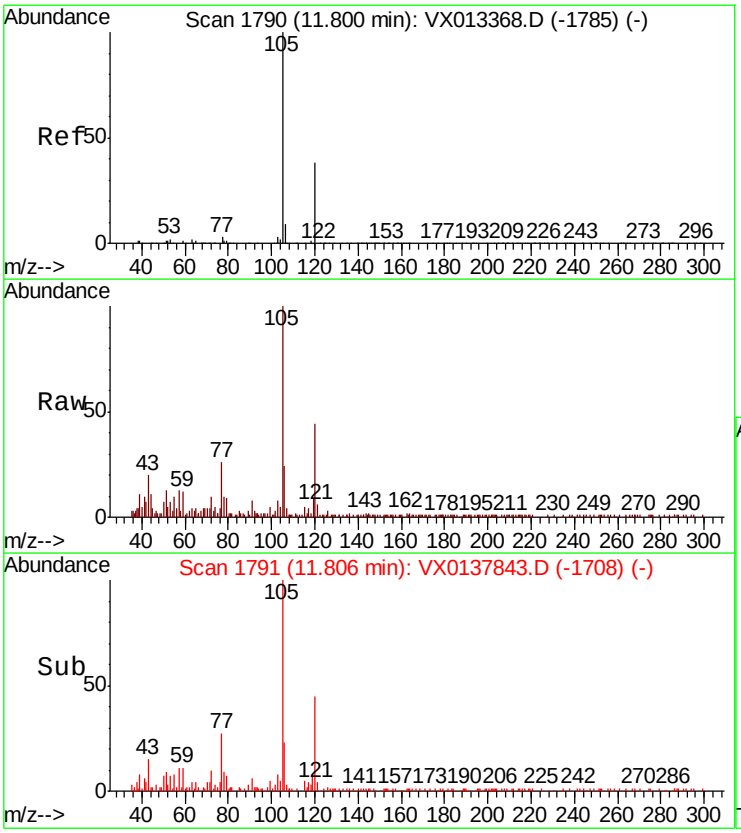
#68
o-Xylene
Concen: 1.215 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX0137843.D
Acq: 07 Dec 2019 16:11

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:106 Resp: 13356

Ion	Ratio	Lower	Upper
106	100		
91	217.5	106.4	319.2

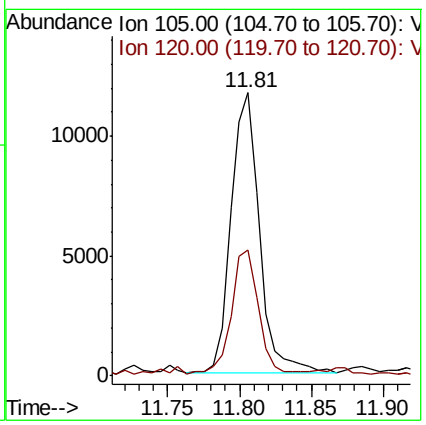


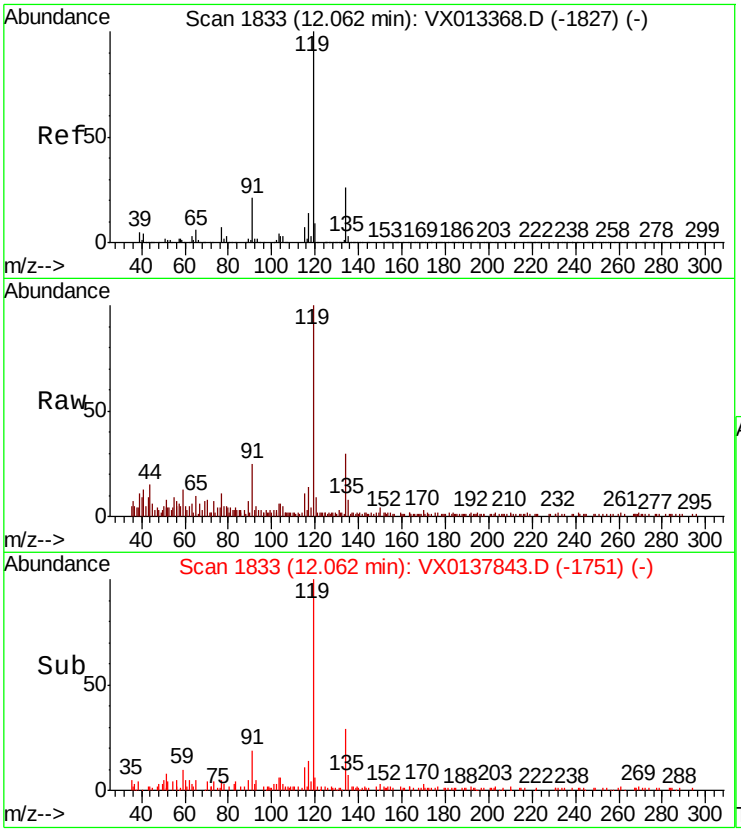


#80
1,2,4-Trimethylbenzene
Concen: 0.671 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.01 min
Lab File: VX0137843.D
Acq: 07 Dec 2019 16:11

Tgt Ion:105 Resp: 16268

Ion	Ratio	Lower	Upper
105	100		
120	41.7	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: VX0137843.D
Acq: 07 Dec 2019 16:11

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:119 Resp: 8896

Ion	Ratio	Lower	Upper
119	100		
134	29.9	0.0	51.6
91	26.3	0.0	44.2