Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022219\
Data File : VX007655.D
Acq On : 22 Feb 2019 13:09
Operator : JC/SP
Sample : K1570-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 50-50

Quant Time: Feb 23 00:30:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X021319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Feb 13 07:51:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.03	128	67642	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	6.86	114	362625	30.00	ug/l		0.00
57) Chlorobenzene-d5	10.11	117	312547	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	6.07	65	136475	31.19	ug/l		0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 103.97%				
60) 4-Bromofluorobenzene	11.13	95	134215	27.98	ug/l		0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 93.27%				
63) Toluene-d8	8.71	98	423046	29.95	ug/l		0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 99.83%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.31	85	1847	0.539	ug/l		93
11) Methyl Iodide	2.52	142	1488	0.279	ug/l	#	53
13) Acrolein	2.21	56	193	0.216	ug/l		84
14) Acrylonitrile	3.14	53	512	0.217	ug/l	#	34
15) Acetone	2.45	58	14069	21.954	ug/l		92
18) Methylene Chloride	2.86	84	1337	0.320	ug/l	#	86
23) tert-Butyl Alcohol	3.07	59	1639	1.651	ug/l	#	98
26) Cyclohexane	5.58	56	34774	6.148	ug/l	#	98
30) 2-Butanone	4.70	43	13724	4.585	ug/l	#	89
34) Benzene	6.15	78	73681	4.621	ug/l		97
38) Methylcyclohexane	7.46	83	11751	2.007	ug/l		82
43) Ethyl Acetate	4.40	43	2028	0.354	ug/l		98
45) 1,4-Dioxane	7.75	88	32	0.306	ug/l	#	1
59) 2-Hexanone	9.50	43	1322	0.310	ug/l	#	88
62) Toluene	8.79	91	9556	0.561	ug/l		92
66) Ethyl Benzene	10.25	91	4397	0.243	ug/l		90
67) m/p-Xylenes	10.36	106	5931	0.837	ug/l		89
68) o-Xylene	10.69	106	2040	0.295	ug/l		78
70) Isopropylbenzene	11.02	105	4307	0.236	ug/l		94
74) n-propylbenzene	11.35	91	5517	0.273	ug/l		90
80) 1,2,4-Trimethylbenzene	11.80	105	4359	0.289	ug/l		97
91) Naphthalene	13.83	128	7783	0.423	ug/l	#	92

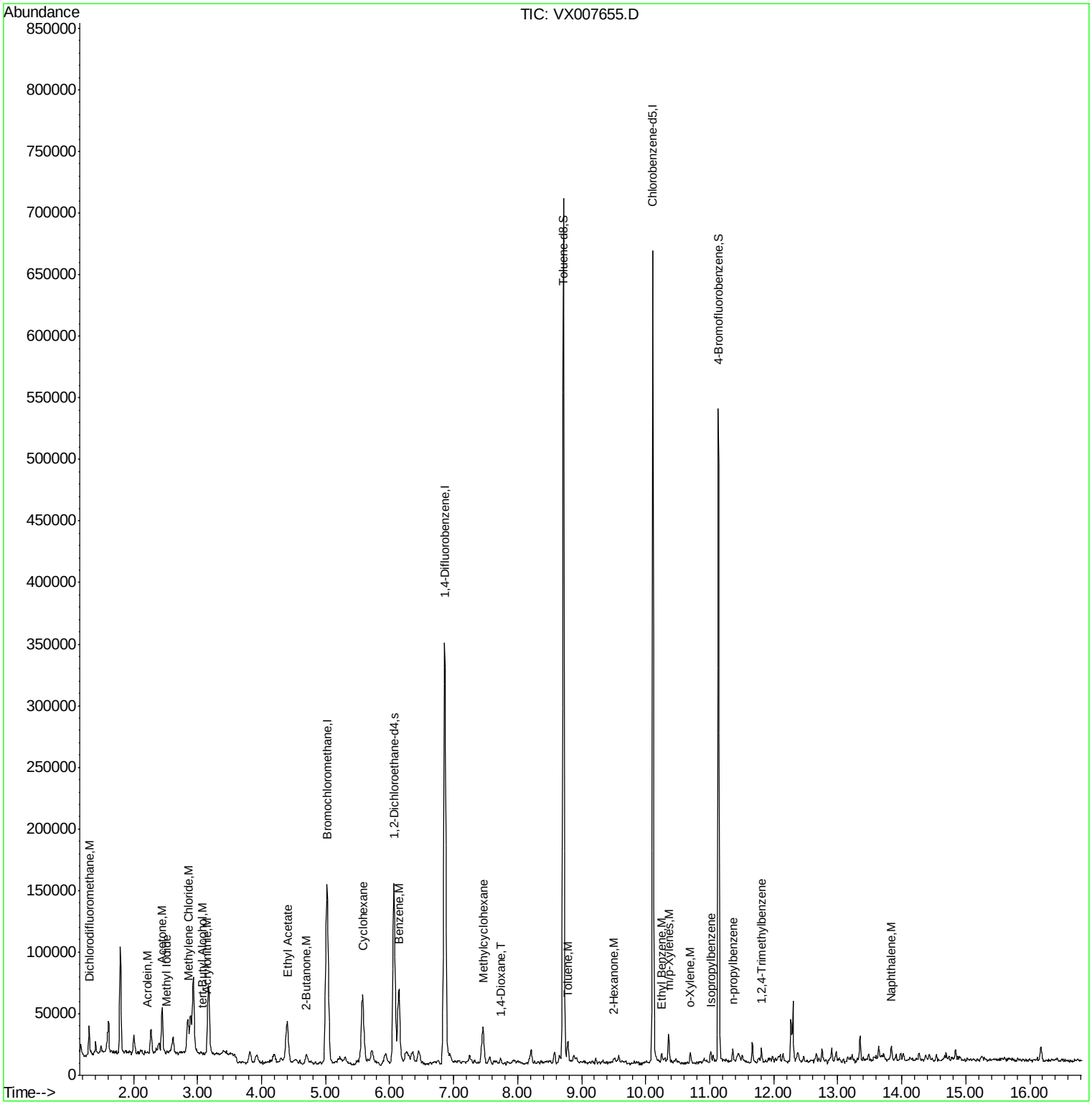
(#) = qualifier out of range (m) = manual integration (+) = signals summed

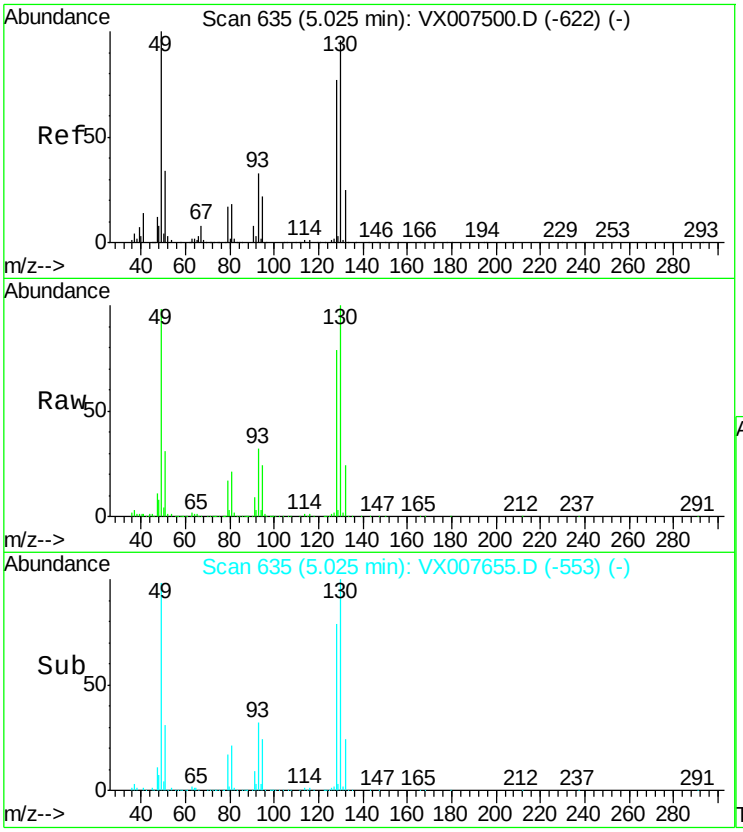
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022219\
Data File : VX007655.D
Acq On : 22 Feb 2019 13:09
Operator : JC/SP
Sample : K1570-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 50-50

Quant Time: Feb 23 00:30:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X021319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Feb 13 07:51:18 2019
Response via : Initial Calibration



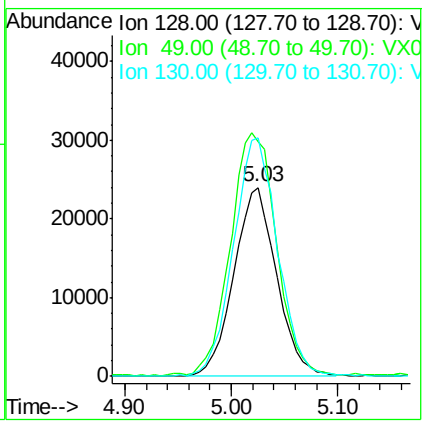


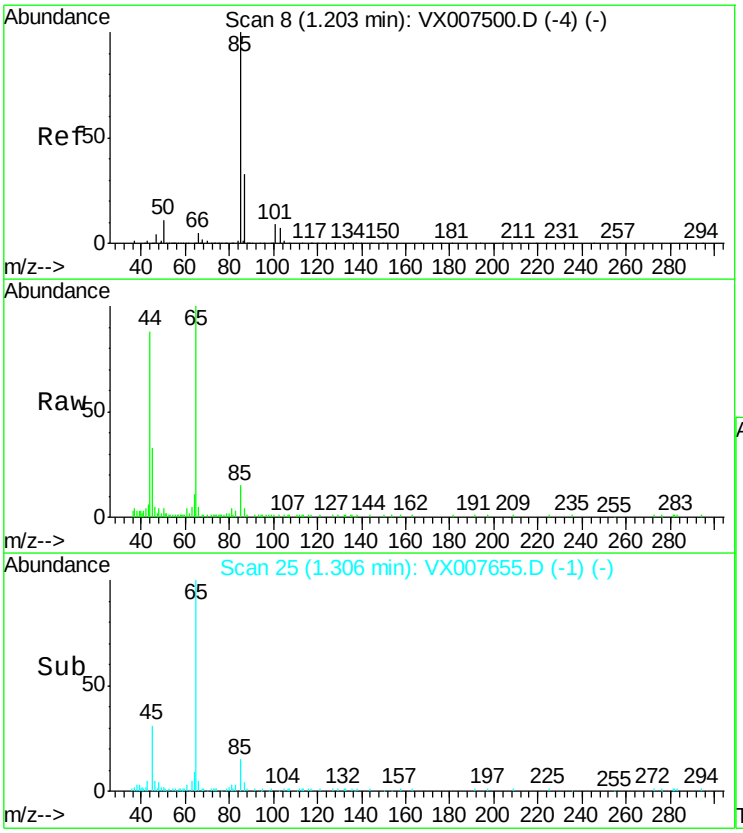
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.03 min Scan# 635
Delta R.T. 0.00 min
Lab File: VX007655.D
Acq: 22 Feb 2019 13:09

Instrument :
MSVOA_X
ClientSampleId :
50-50

Tgt Ion:128 Resp: 67642

Ion	Ratio	Lower	Upper
128	100		
49	139.3	0.0	350.8
130	130.7	0.0	325.8

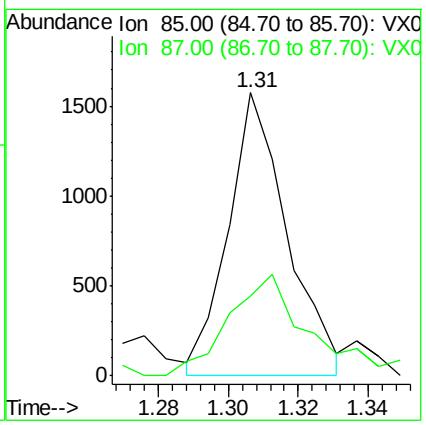


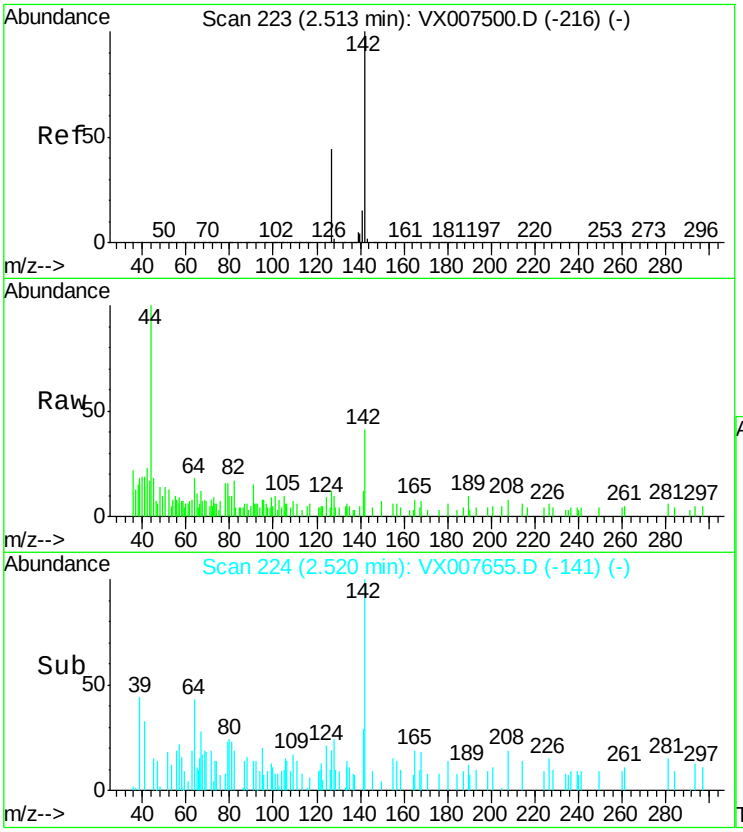


#2
Dichlorodifluoromethane
Concen: 0.539 ug/l
RT: 1.31 min Scan# 25
Delta R.T. 0.10 min
Lab File: VX007655.D
Acq: 22 Feb 2019 13:09

Tgt Ion: 85 Resp: 1847

Ion	Ratio	Lower	Upper
85	100		
87	29.0	16.6	49.8



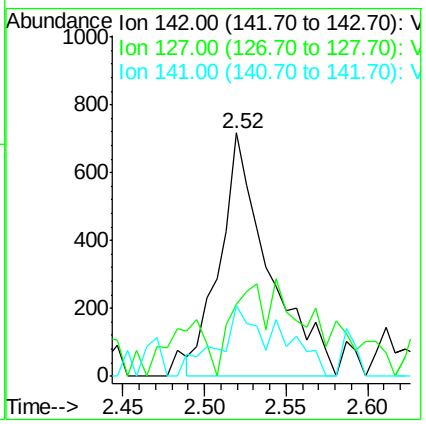


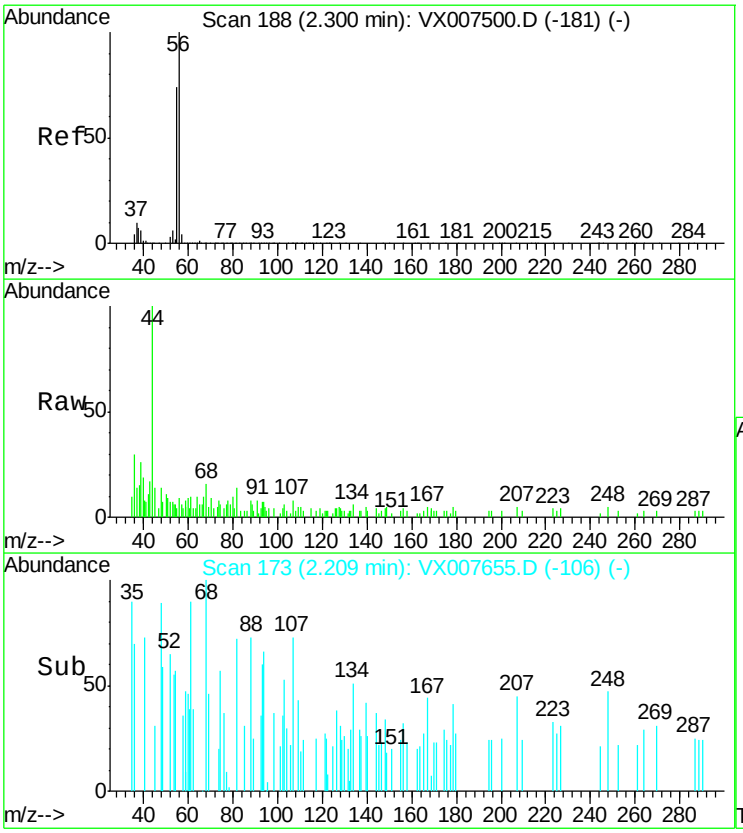
#11
Methyl Iodide
Concen: 0.279 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX007655.D
Acq: 22 Feb 2019 13:09

Instrument : MSVOA_X
ClientSampleId : 50-50

Tgt Ion:142 Resp: 1488

Ion	Ratio	Lower	Upper
142	100		
127	9.3	22.1	66.5#
141	25.8	7.4	22.3#

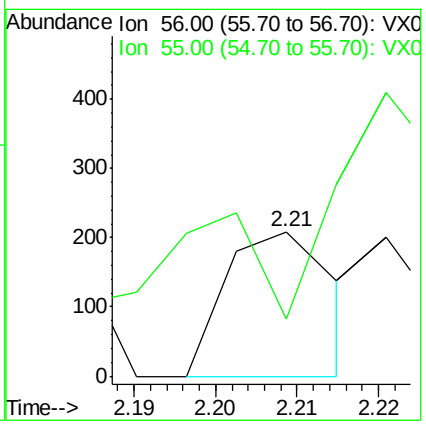


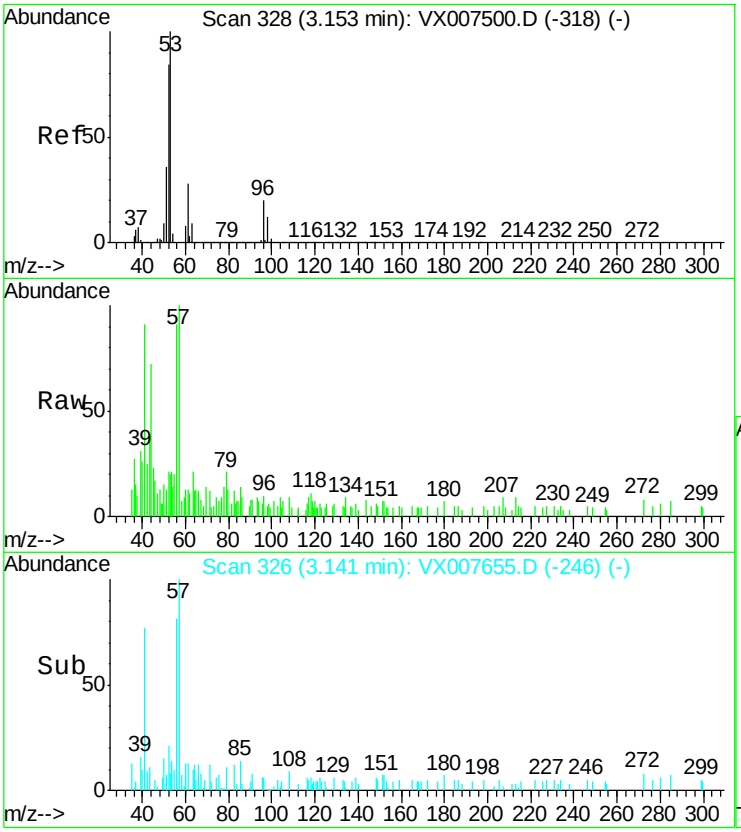


#13
Acrolein
Concen: 0.216 ug/l
RT: 2.21 min Scan# 173
Delta R.T. -0.09 min
Lab File: VX007655.D
Acq: 22 Feb 2019 13:09

Tgt Ion: 56 Resp: 193

Ion	Ratio	Lower	Upper
56	100		
55	59.6	58.6	87.8



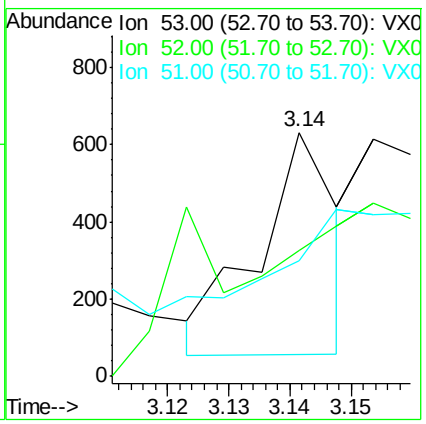


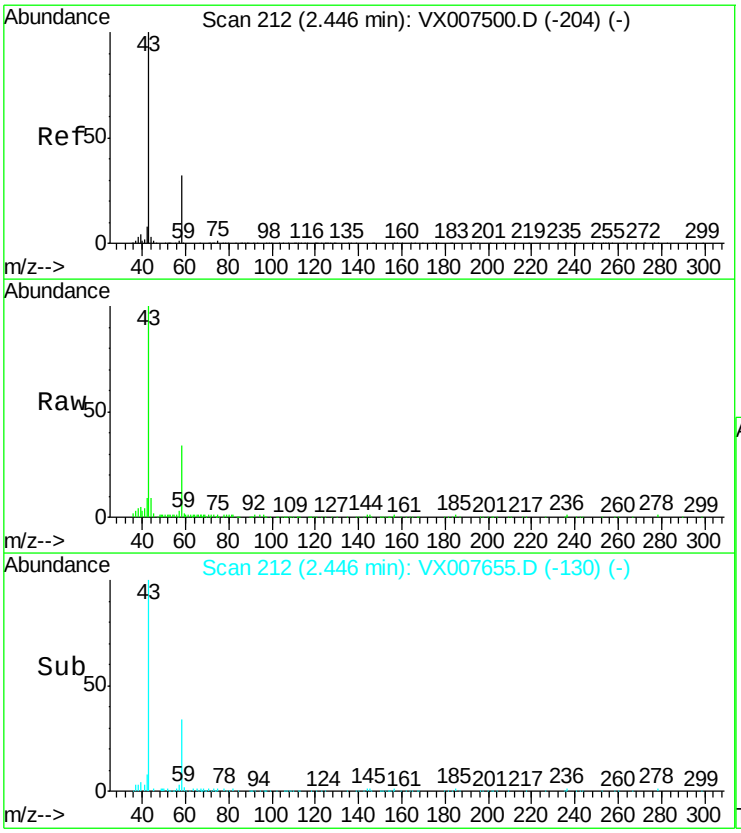
#14
Acrylonitrile
Concen: 0.217 ug/l
RT: 3.14 min Scan# 326
Delta R.T. -0.01 min
Lab File: VX007655.D
Acq: 22 Feb 2019 13:09

Instrument : MSVOA_X
ClientSampleId : 50-50

Tgt Ion: 53 Resp: 512

Ion	Ratio	Lower	Upper
53	100		
52	137.1	41.3	124.1#
51	80.7	17.5	52.6#

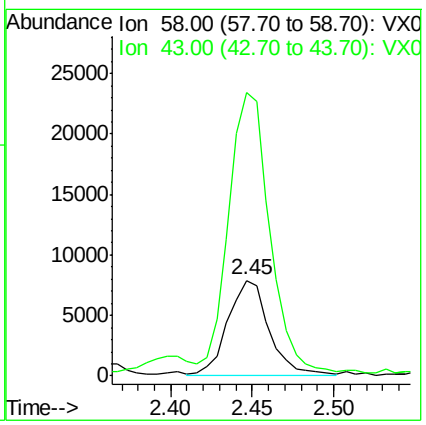


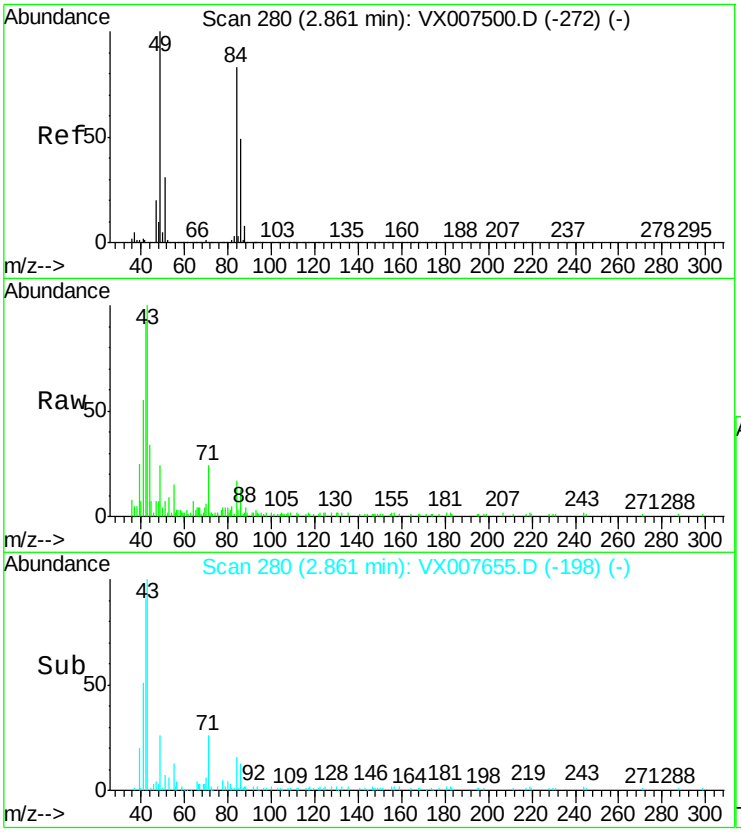


#15
Acetone
Concen: 21.954 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX007655.D
Acq: 22 Feb 2019 13:09

Tgt Ion: 58 Resp: 14069

Ion	Ratio	Lower	Upper
58	100		
43	296.4	249.8	374.6



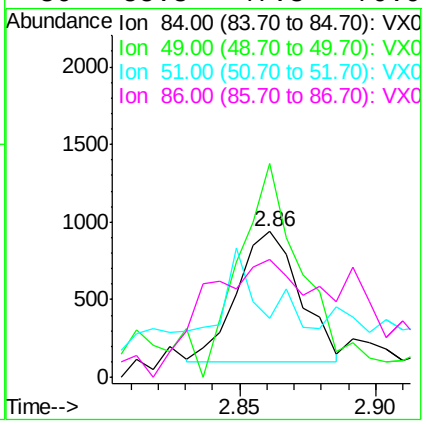


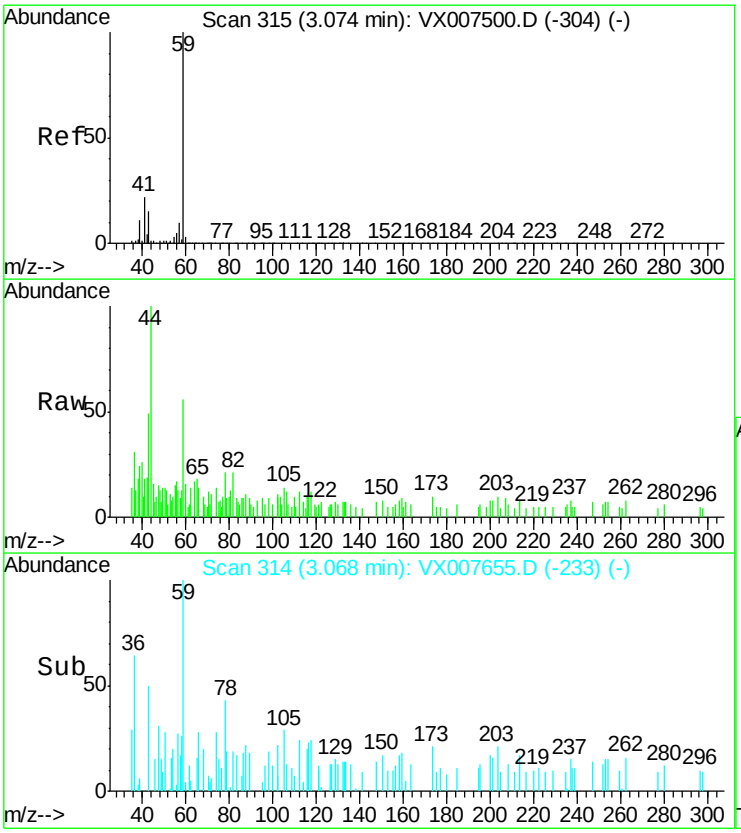
#18
Methylene Chloride
Concen: 0.320 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007655.D
Acq: 22 Feb 2019 13:09

Instrument : MSVOA_X
ClientSampleId : 50-50

Tgt Ion: 84 Resp: 1337

Ion	Ratio	Lower	Upper
84	100		
49	129.4	96.1	144.1
51	9.5	29.1	43.7#
86	55.8	47.3	70.9

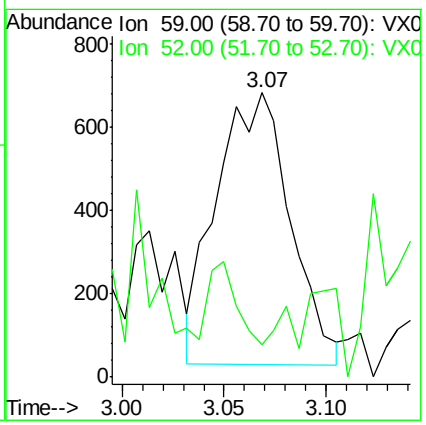


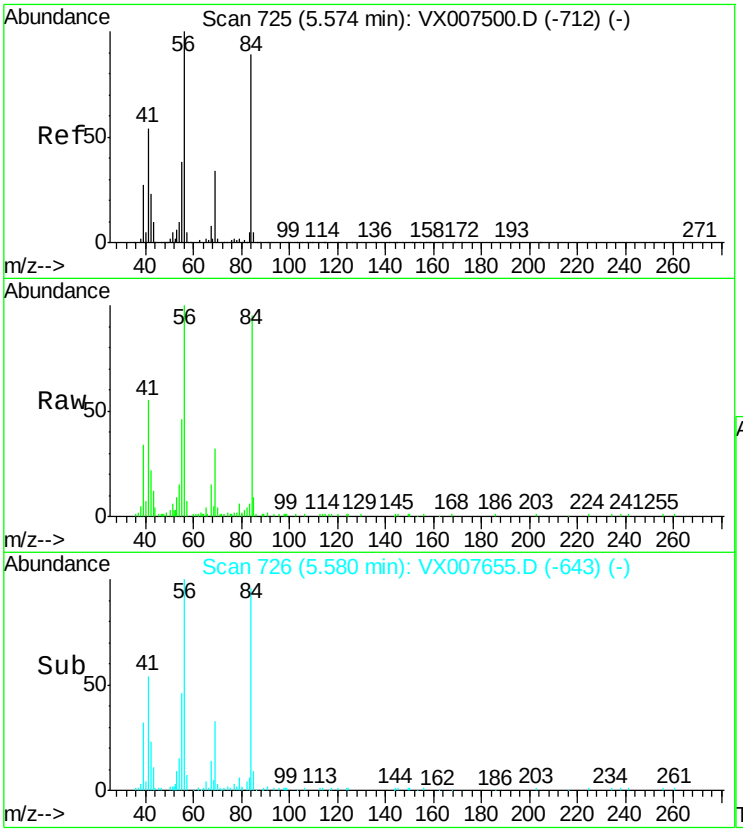


#23
tert-Butyl Alcohol
Concen: 1.651 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX007655.D
Acq: 22 Feb 2019 13:09

Tgt Ion: 59 Resp: 1639

Ion	Ratio	Lower	Upper
59	100		
52	3.2	0.2	0.2#



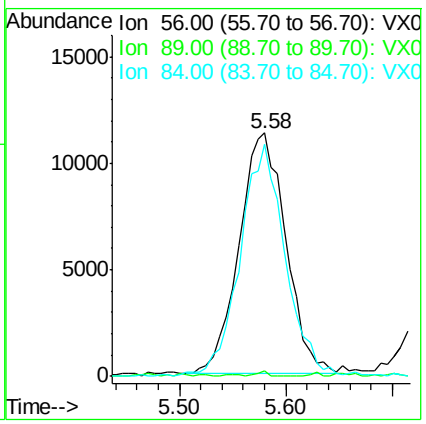


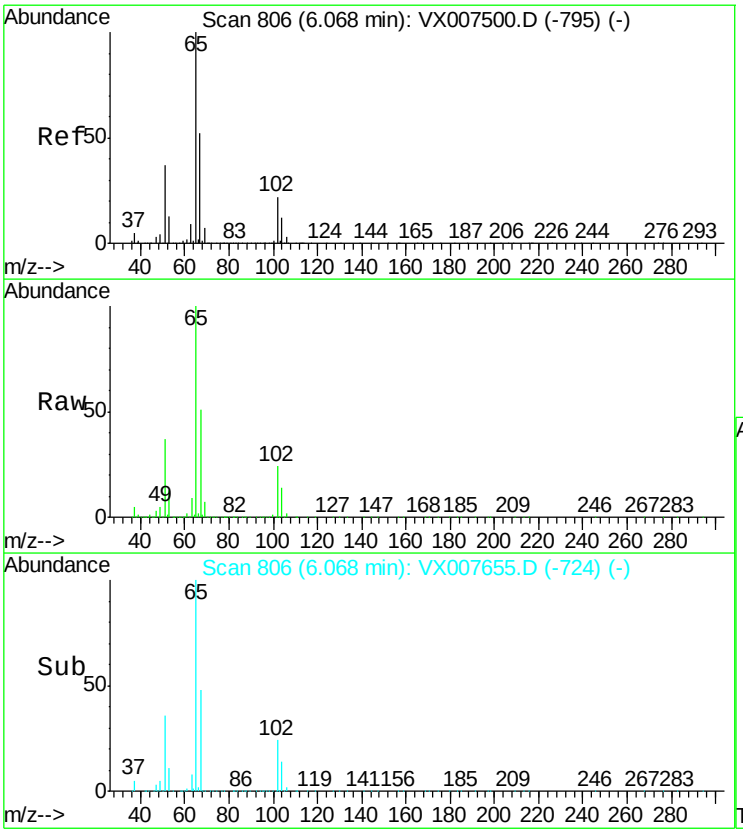
#26
Cyclohexane
Concen: 6.148 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX007655.D
Acq: 22 Feb 2019 13:09

Instrument : MSVOA_X
ClientSampleId : 50-50

Tgt Ion: 56 Resp: 34774

Ion	Ratio	Lower	Upper
56	100		
89	0.5	0.0	0.0#
84	91.0	73.9	110.9

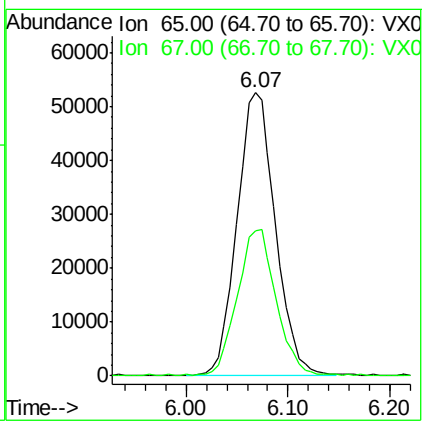


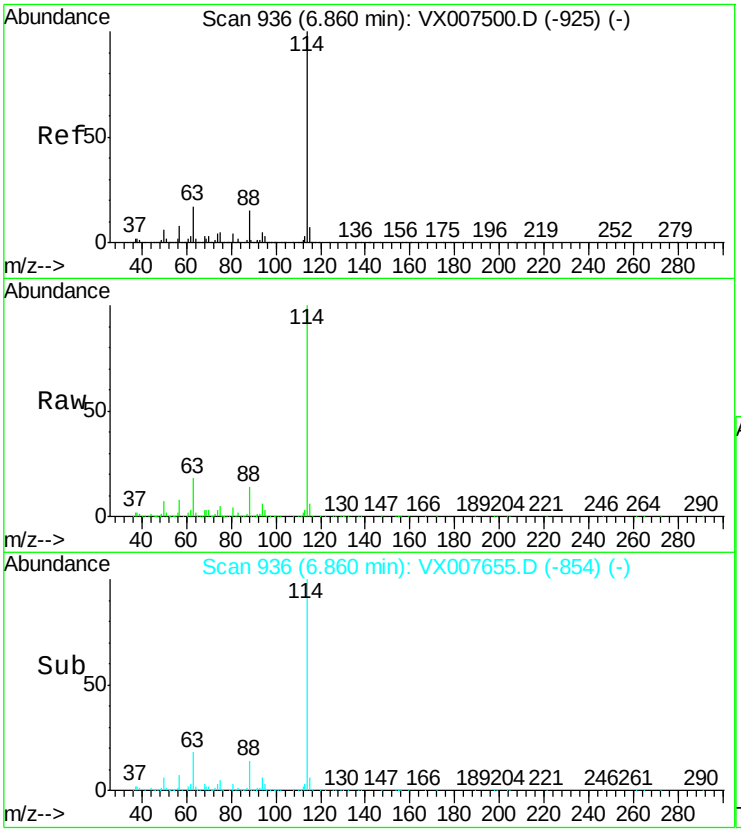


#27
1,2-Dichloroethane-d4
Concen: 31.190 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX007655.D
Acq: 22 Feb 2019 13:09

Tgt Ion: 65 Resp: 136475

Ion	Ratio	Lower	Upper
65	100		
67	52.0	42.9	64.3



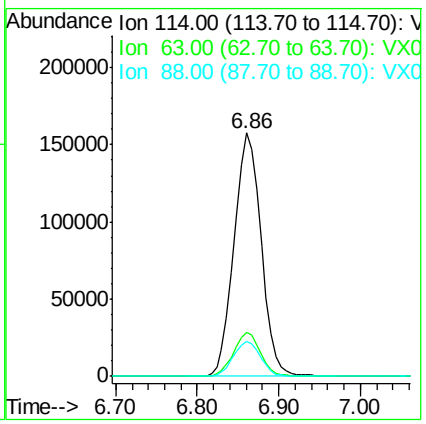


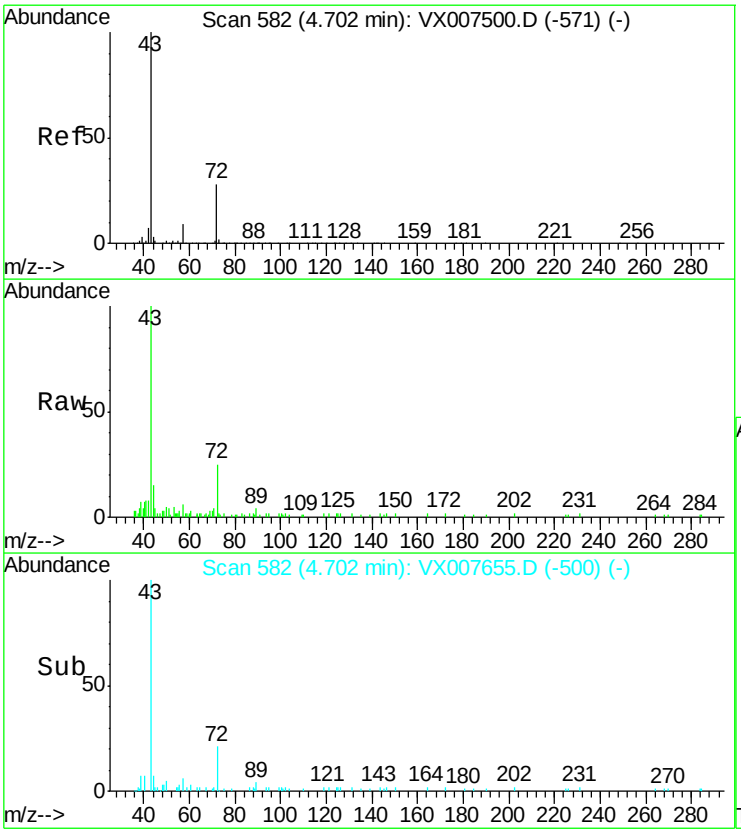
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX007655.D
Acq: 22 Feb 2019 13:09

Instrument : MSVOA_X
ClientSampleId : 50-50

Tgt Ion:114 Resp: 362625

Ion	Ratio	Lower	Upper
114	100		
63	18.0	14.2	21.4
88	14.6	11.9	17.9

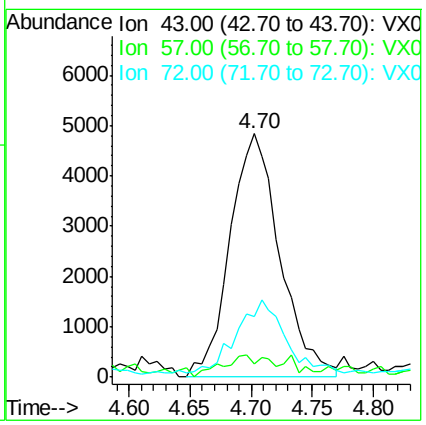


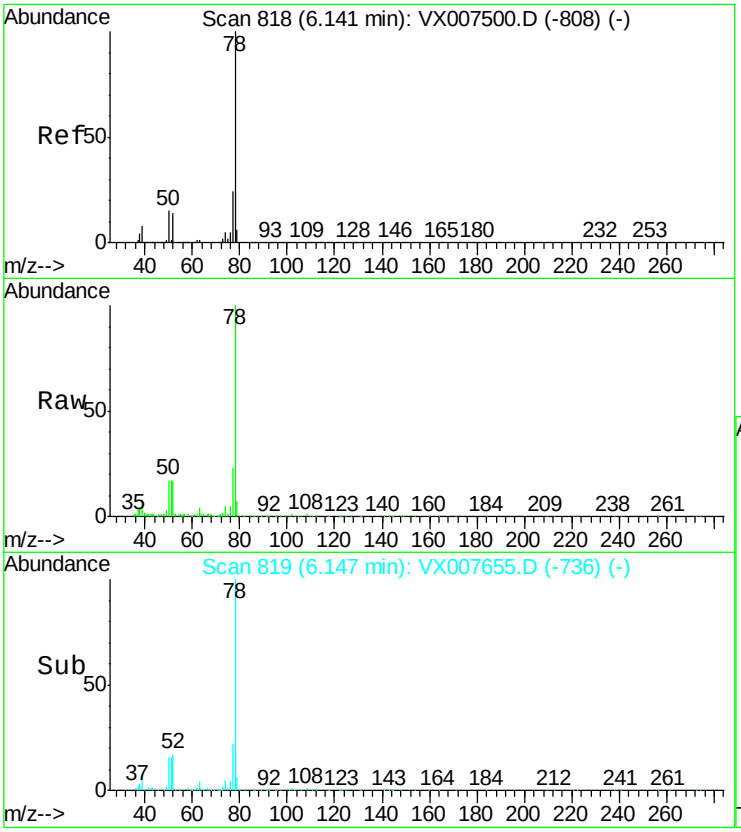


#30
2-Butanone
Concen: 4.585 ug/l
RT: 4.70 min Scan# 582
Delta R.T. 0.00 min
Lab File: VX007655.D
Acq: 22 Feb 2019 13:09

Tgt Ion: 43 Resp: 13724

Ion	Ratio	Lower	Upper
43	100		
57	2.0	7.0	10.6#
72	31.5	21.5	32.3



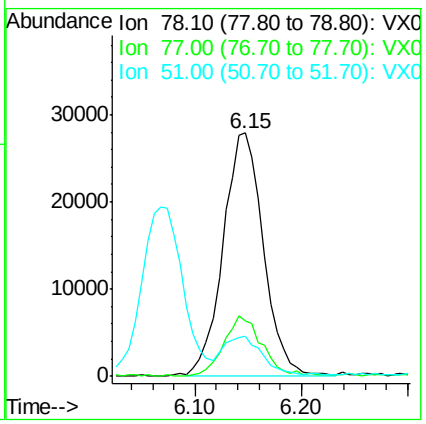


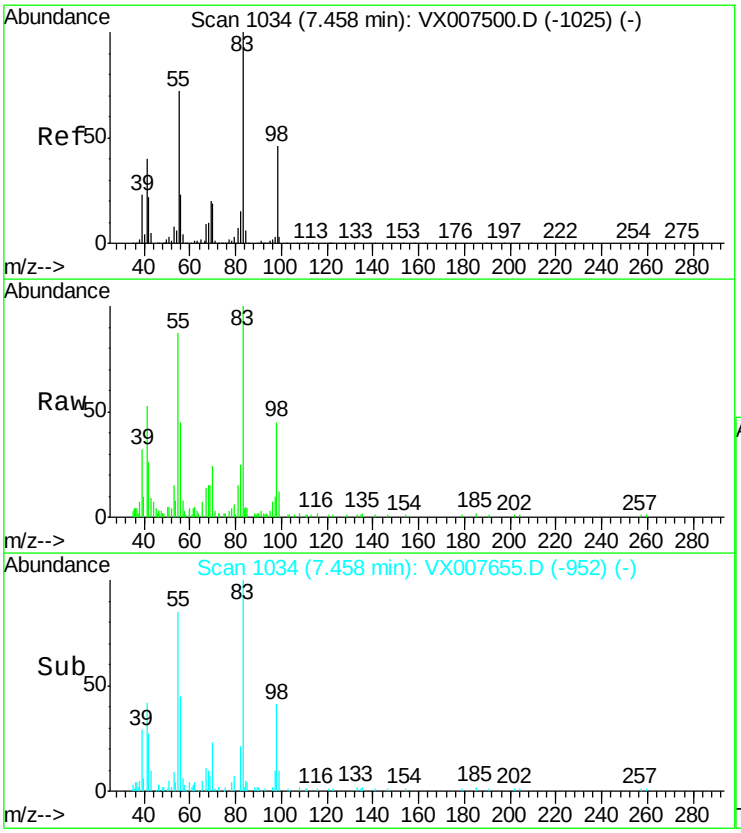
#34
Benzene
Concen: 4.621 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX007655.D
Acq: 22 Feb 2019 13:09

Instrument :
MSVOA_X
ClientSampleId :
50-50

Tgt Ion: 78 Resp: 73681

Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.1	28.7
51	16.0	10.8	16.2

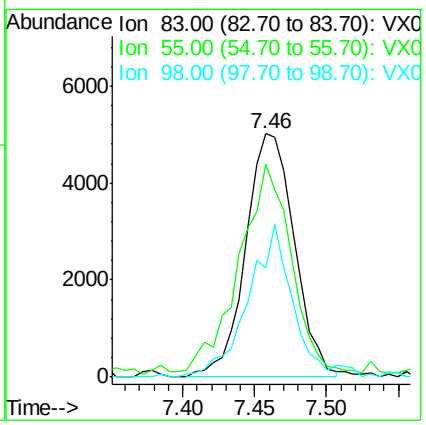


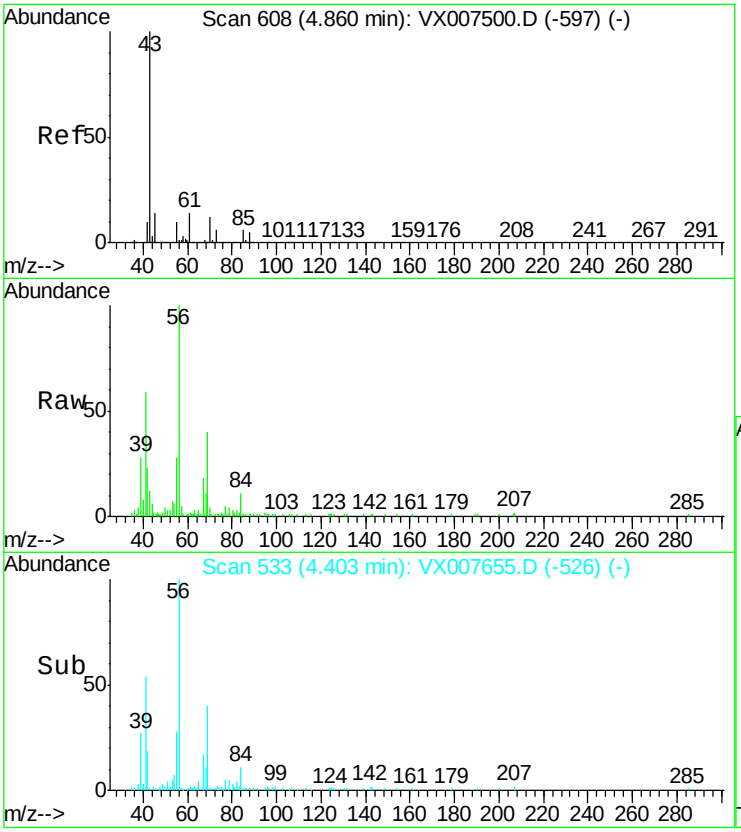


#38
Methylcyclohexane
Concen: 2.007 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX007655.D
Acq: 22 Feb 2019 13:09

Tgt Ion: 83 Resp: 11751

Ion	Ratio	Lower	Upper
83	100		
55	90.7	36.0	108.0
98	55.6	23.8	71.4



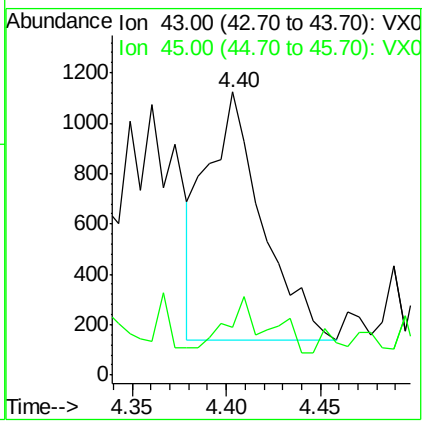


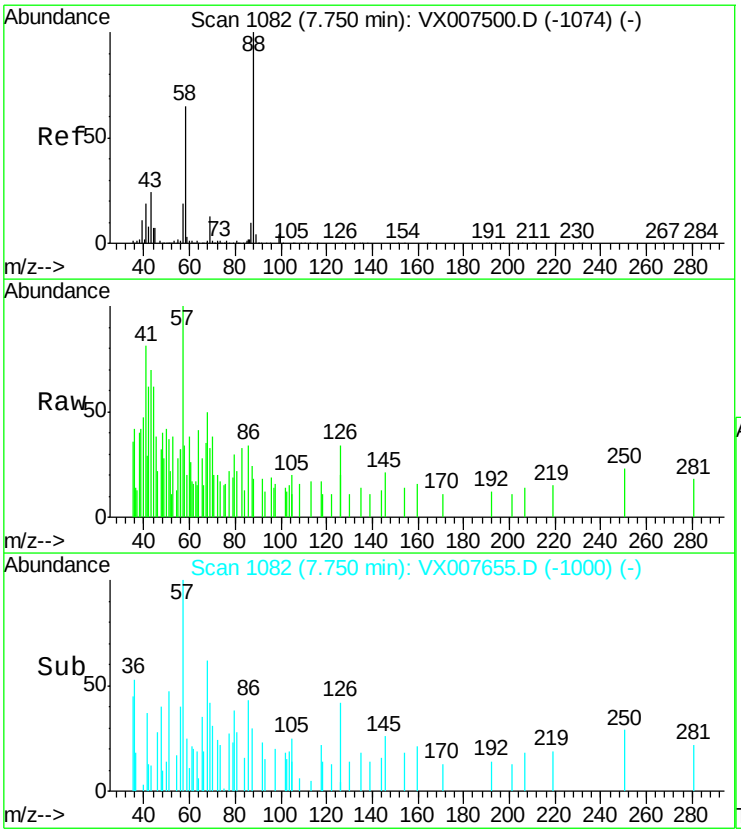
#43
Ethyl Acetate
Concen: 0.354 ug/l
RT: 4.40 min Scan# 533
Delta R.T. -0.46 min
Lab File: VX007655.D
Acq: 22 Feb 2019 13:09

Instrument : MSVOA_X
ClientSampleId : 50-50

Tgt Ion: 43 Resp: 2028

Ion	Ratio	Lower	Upper
43	100		
45	9.3	6.9	10.3

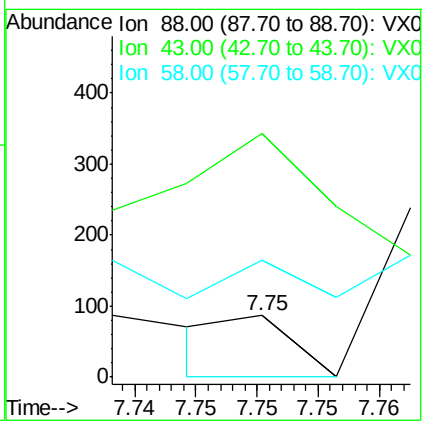


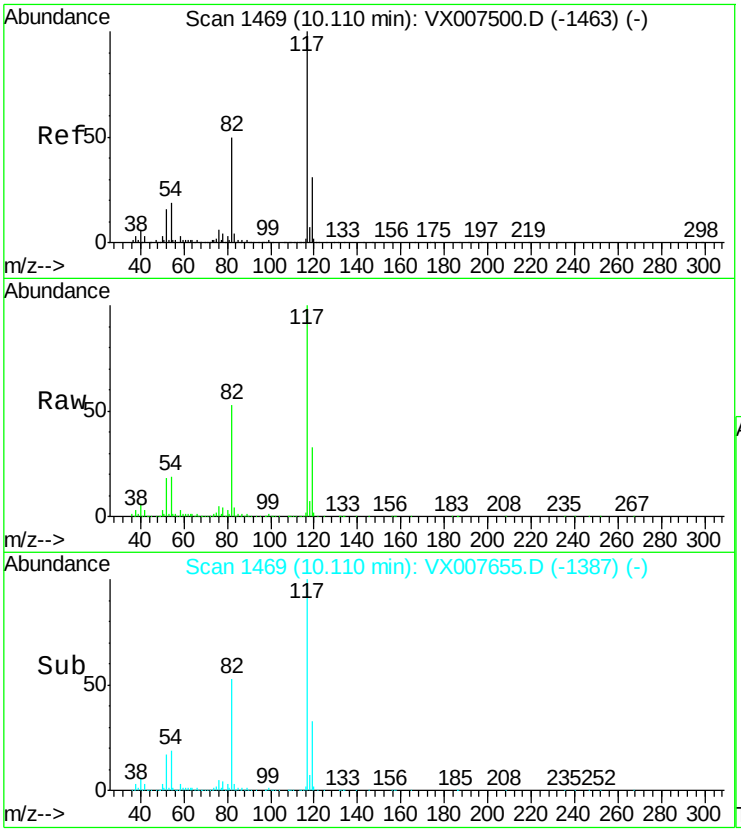


#45
1,4-Dioxane
Concen: 0.306 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007655.D
Acq: 22 Feb 2019 13:09

Tgt Ion: 88 Resp: 32

Ion	Ratio	Lower	Upper
88	100		
43	462.5	23.6	35.4#
58	0.0	51.6	77.4#



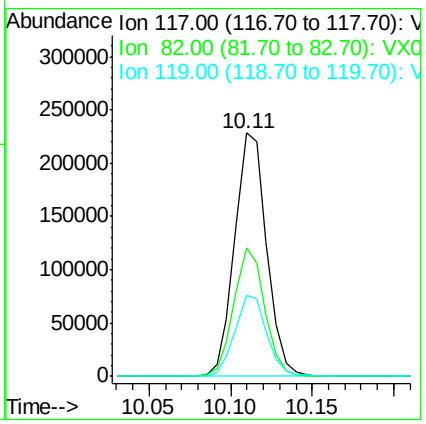


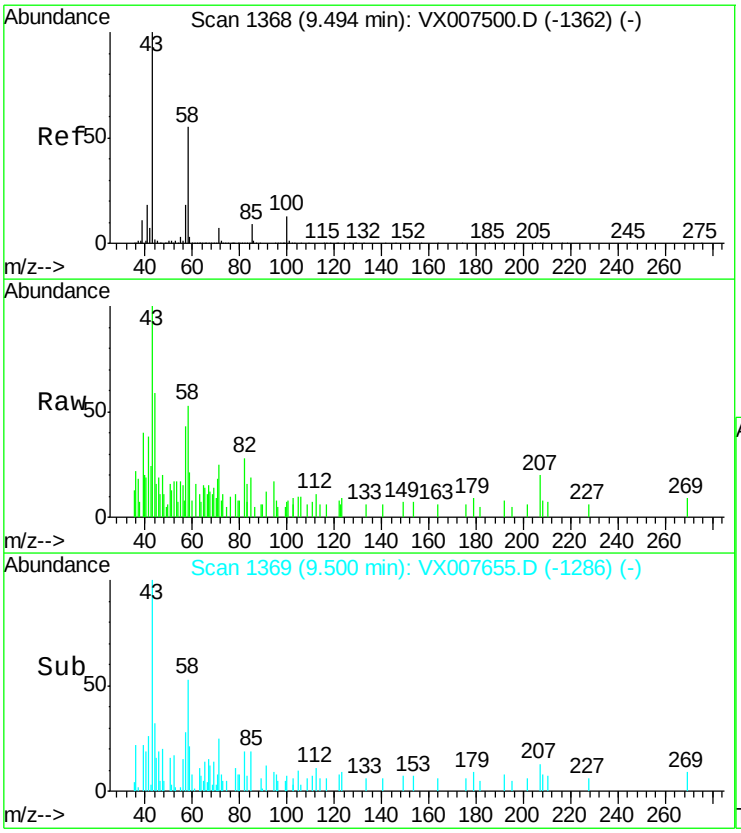
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007655.D
Acq: 22 Feb 2019 13:09

Instrument : MSVOA_X
ClientSampleId : 50-50

Tgt Ion:117 Resp: 312547

Ion	Ratio	Lower	Upper
117	100		
82	51.2	40.4	60.6
119	33.1	25.8	38.6

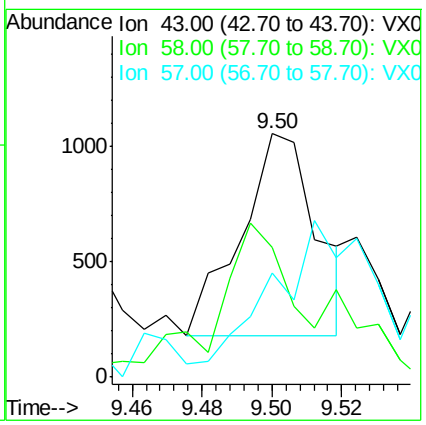


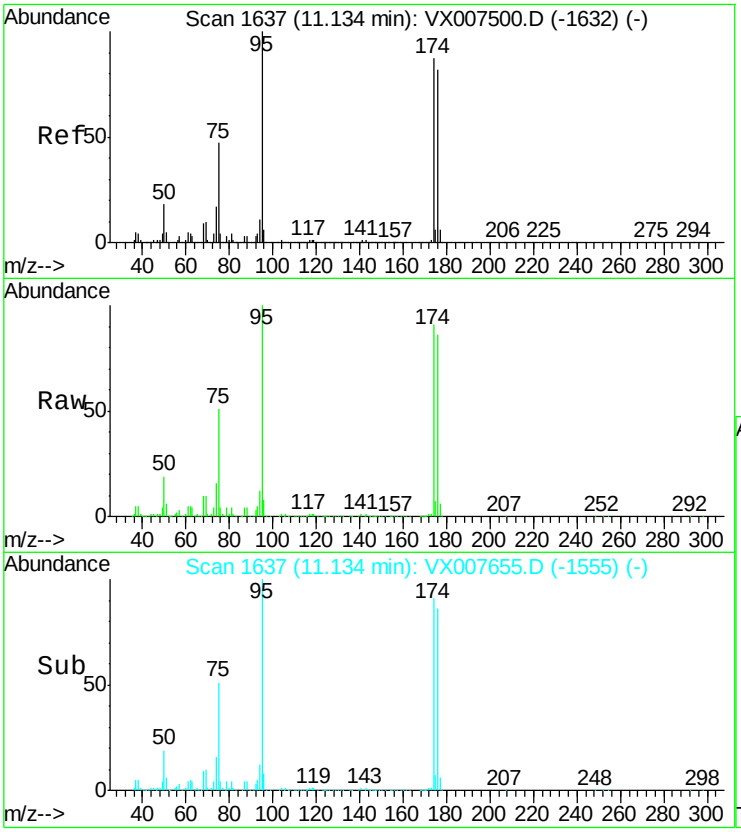


#59
2-Hexanone
Concen: 0.310 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.01 min
Lab File: VX007655.D
Acq: 22 Feb 2019 13:09

Tgt Ion: 43 Resp: 1322

Ion	Ratio	Lower	Upper
43	100		
58	56.3	43.9	65.9
57	0.0	14.9	22.3#



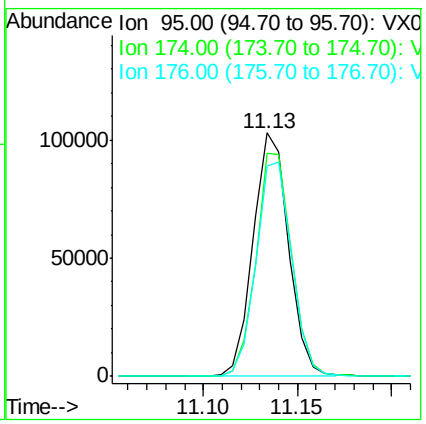


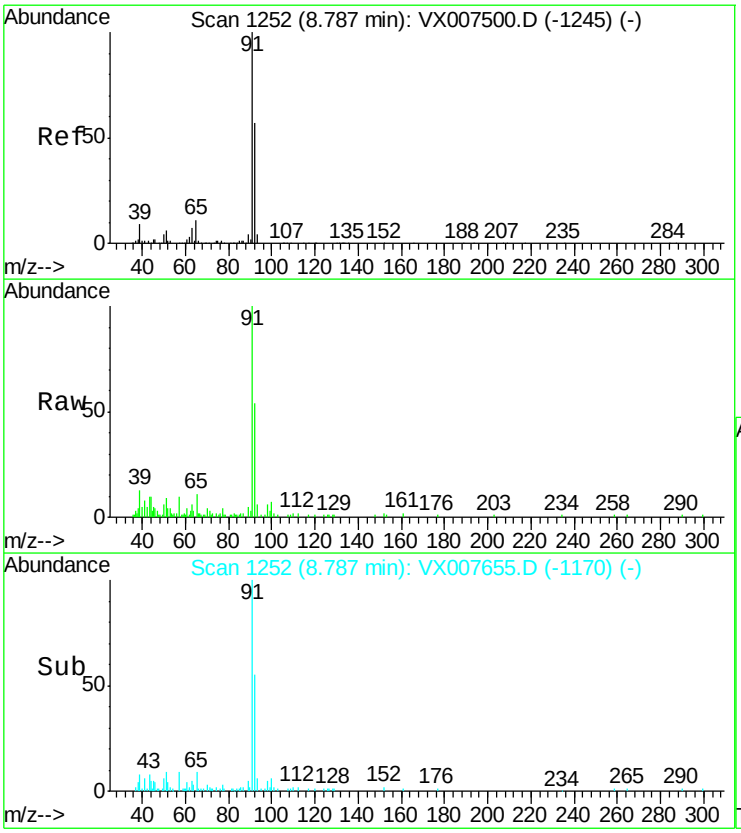
#60
4-Bromofluorobenzene
Concen: 27.979 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007655.D
Acq: 22 Feb 2019 13:09

Instrument :
MSVOA_X
ClientSampleId :
50-50

Tgt Ion: 95 Resp: 134215

Ion	Ratio	Lower	Upper
95	100		
174	92.4	74.9	112.3
176	88.5	70.7	106.1

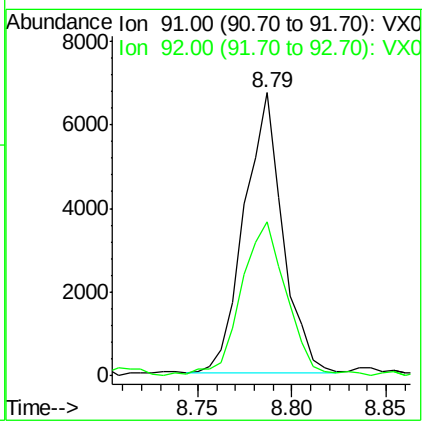


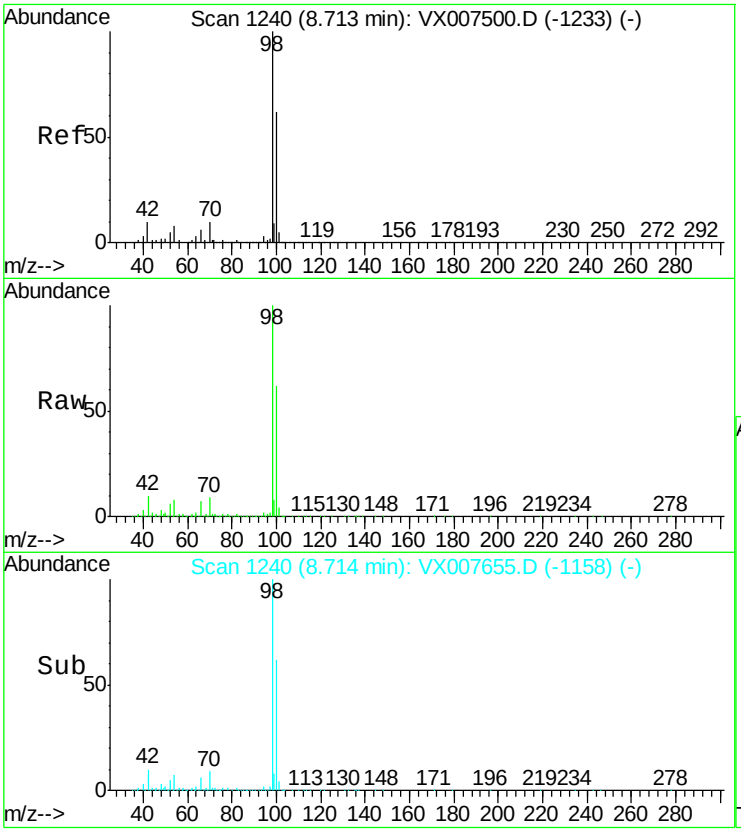


#62
Toluene
Concen: 0.561 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX007655.D
Acq: 22 Feb 2019 13:09

Tgt Ion: 91 Resp: 9556

Ion	Ratio	Lower	Upper
91	100		
92	64.3	46.4	69.6



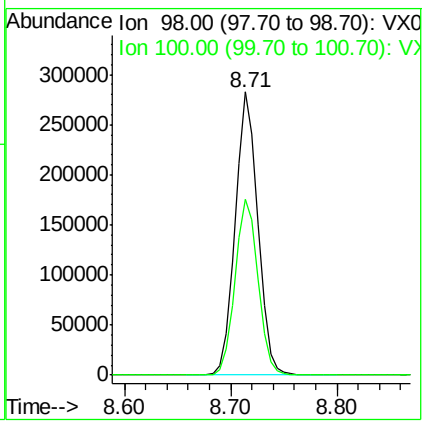


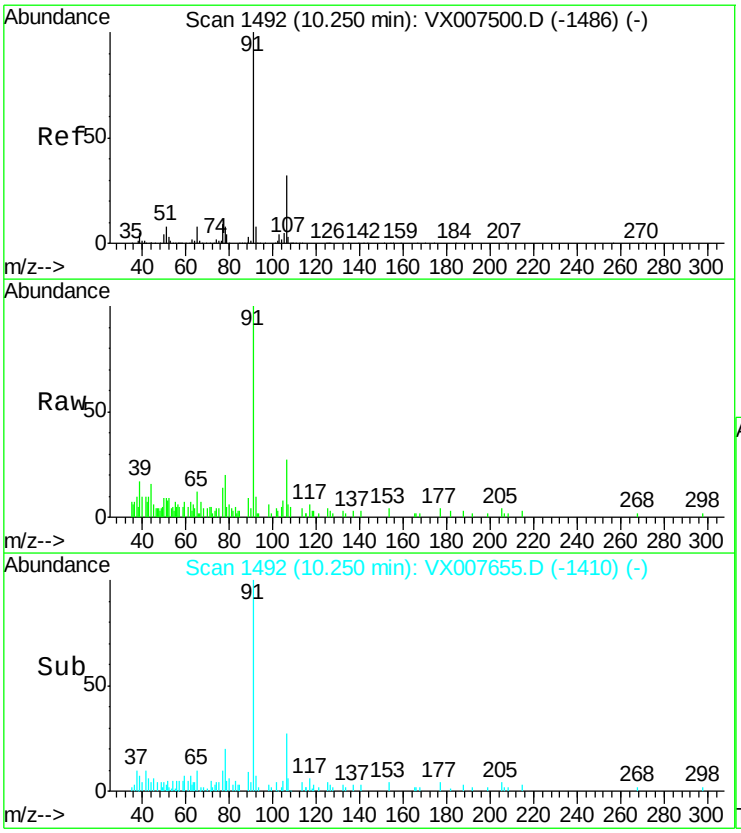
#63
Toluene-d8
Concen: 29.947 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007655.D
Acq: 22 Feb 2019 13:09

Instrument : MSVOA_X
ClientSampleId : 50-50

Tgt Ion: 98 Resp: 423046

Ion	Ratio	Lower	Upper
98	100		
100	62.8	50.9	76.3

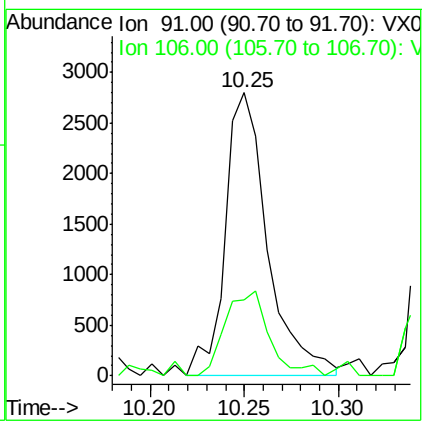


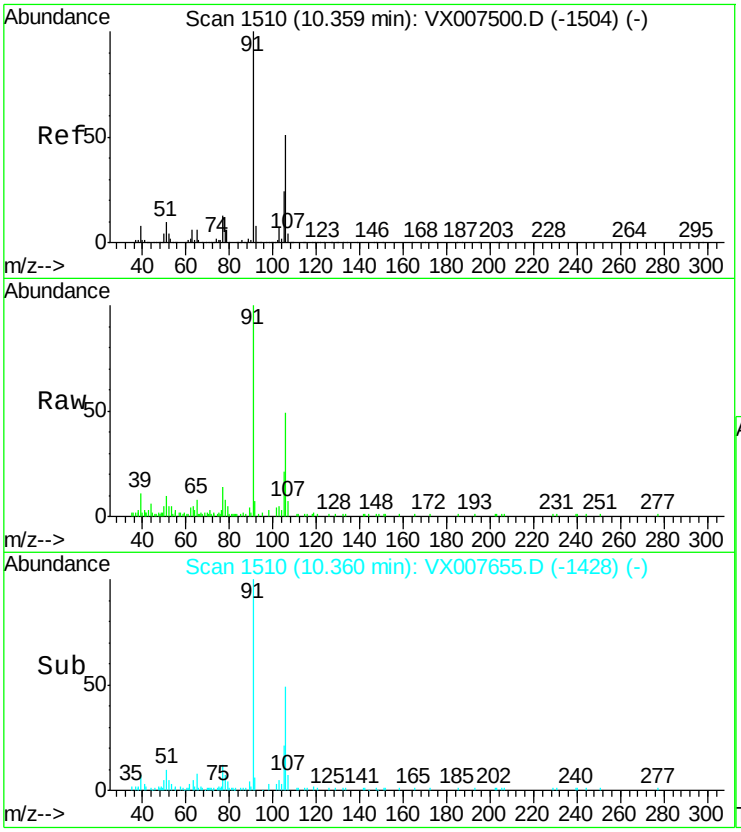


#66
Ethyl Benzene
Concen: 0.243 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX007655.D
Acq: 22 Feb 2019 13:09

Tgt Ion: 91 Resp: 4397

Ion	Ratio	Lower	Upper
91	100		
106	26.7	26.0	39.0



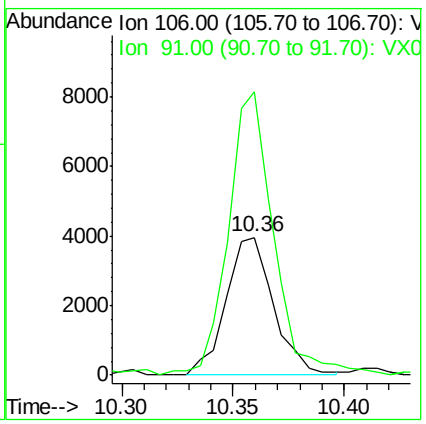


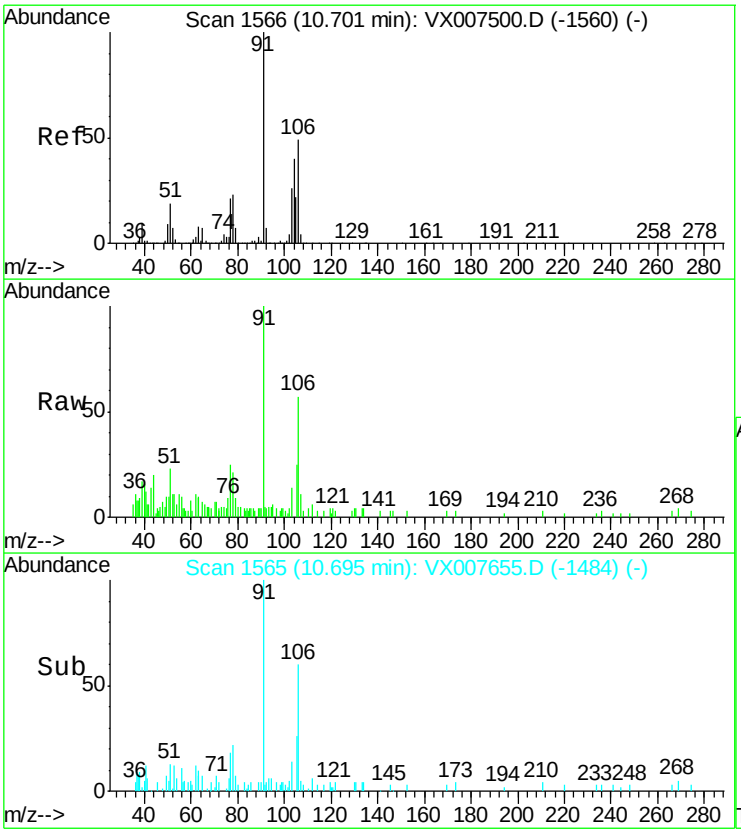
#67
m/p-Xylenes
Concen: 0.837 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX007655.D
Acq: 22 Feb 2019 13:09

Instrument :
MSVOA_X
ClientSampleId :
50-50

Tgt Ion:106 Resp: 5931

Ion	Ratio	Lower	Upper
106	100		
91	180.0	157.0	235.4

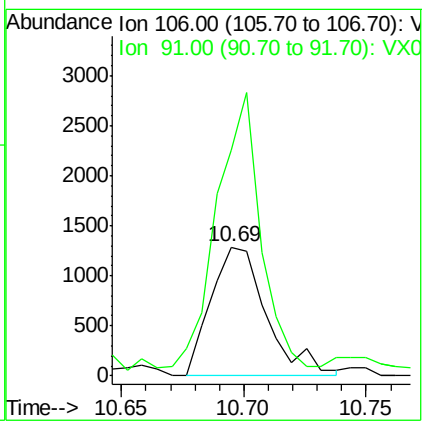


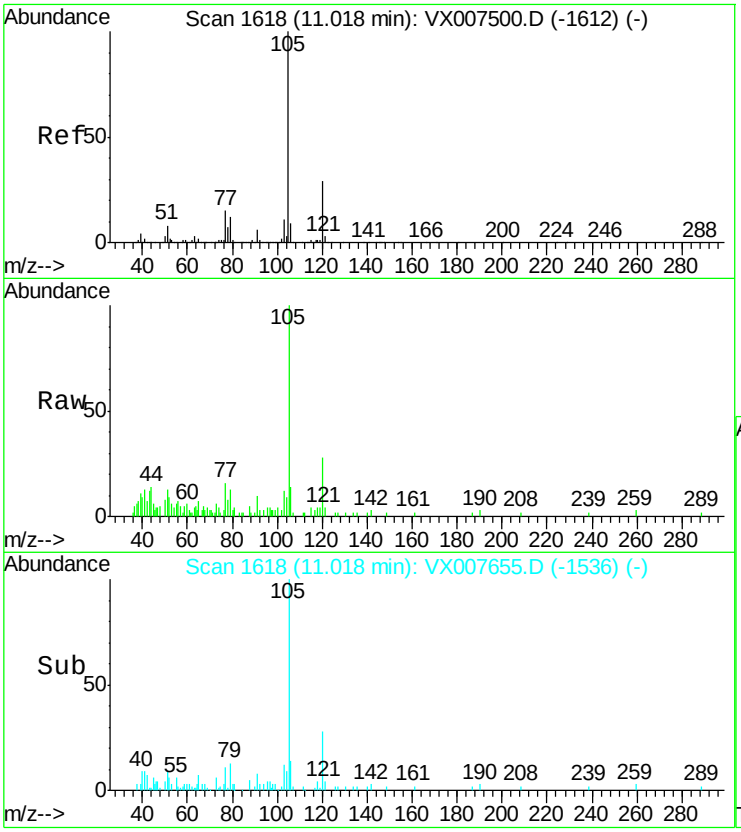


#68
o-Xylene
Concen: 0.295 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX007655.D
Acq: 22 Feb 2019 13:09

Tgt Ion:106 Resp: 2040

Ion	Ratio	Lower	Upper
106	100		
91	174.2	104.4	313.2



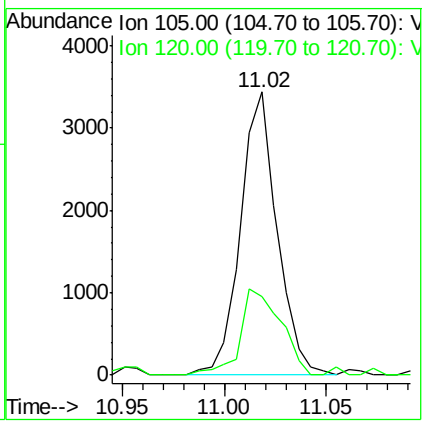


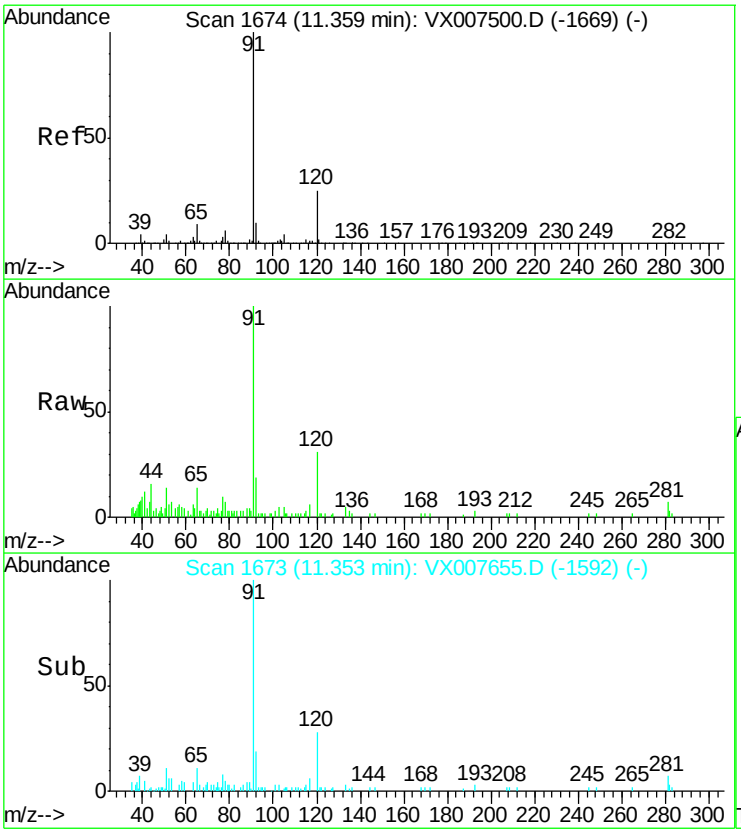
#70
Isopropylbenzene
Concen: 0.236 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX007655.D
Acq: 22 Feb 2019 13:09

Instrument :
MSVOA_X
ClientSampleId :
50-50

Tgt Ion:105 Resp: 4307

Ion	Ratio	Lower	Upper
105	100		
120	31.4	19.8	36.8

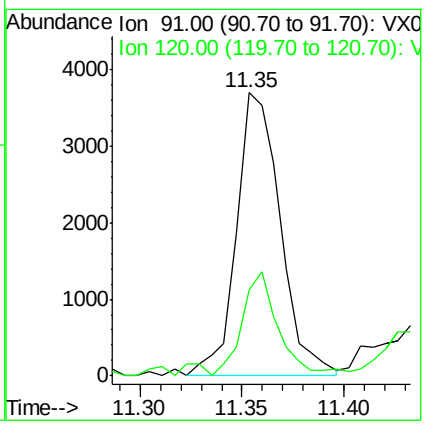


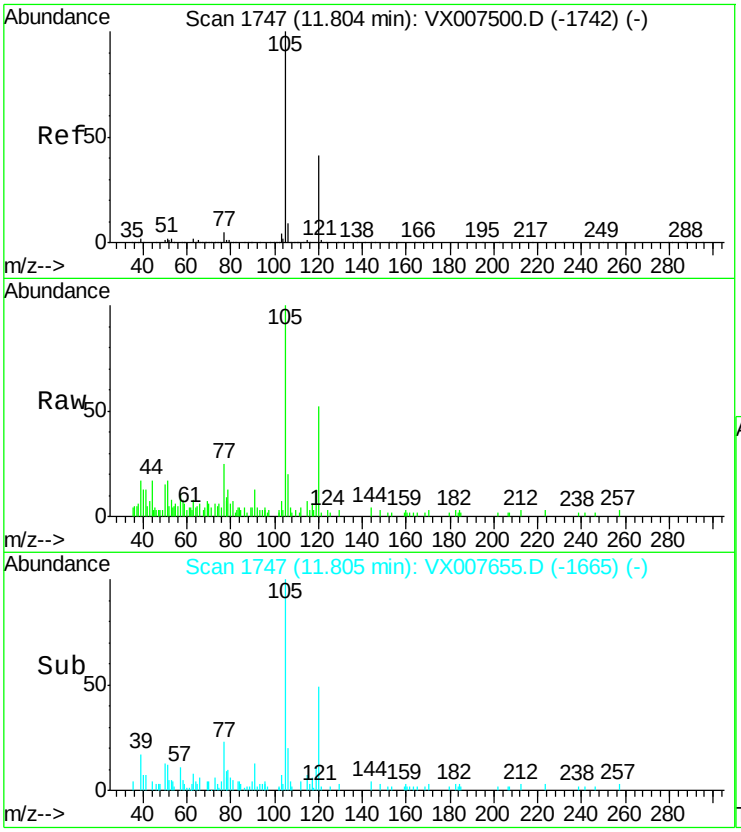


#74
n-propylbenzene
Concen: 0.273 ug/l
RT: 11.35 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VX007655.D
Acq: 22 Feb 2019 13:09

Tgt Ion: 91 Resp: 5517

Ion	Ratio	Lower	Upper
91	100		
120	29.3	0.0	48.6



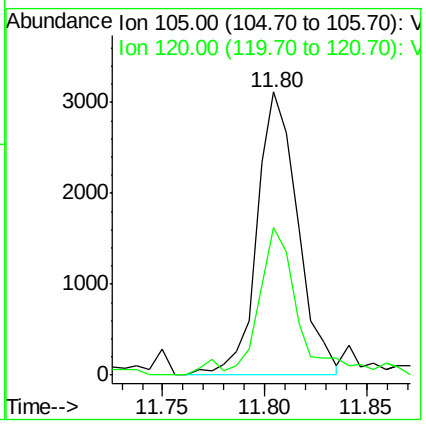


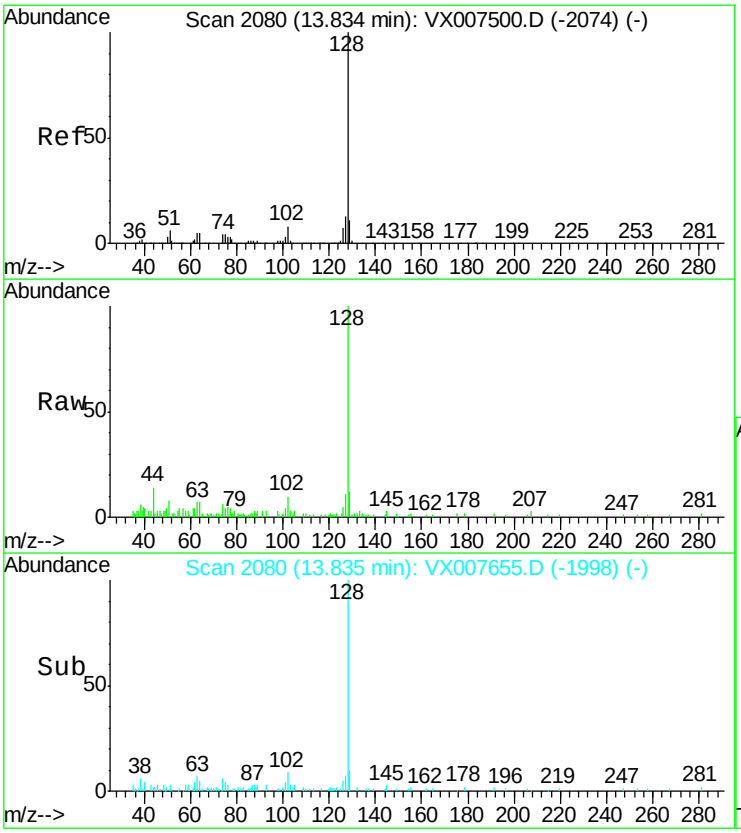
#80
1,2,4-Trimethylbenzene
Concen: 0.289 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX007655.D
Acq: 22 Feb 2019 13:09

Instrument :
MSVOA_X
ClientSampleId :
50-50

Tgt Ion:105 Resp: 4359

Ion	Ratio	Lower	Upper
105	100		
120	44.8	0.0	94.0





#91
Naphthalene
Concen: 0.423 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX007655.D
Acq: 22 Feb 2019 13:09

Tgt Ion:128 Resp: 7783

Ion	Ratio	Lower	Upper
128	100		
127	14.5	10.5	15.7
129	16.0	8.9	13.3#