Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF031419\
Data File : VF061949.D
Acq On : 14 Mar 2019 20:12
Operator : VA/AP
Sample : K1927-01
Misc : 5.5g/5mL/MSVOA-F/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : DRUM-COMP

Quant Time: Mar 15 01:54:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:50:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	4.87	168	205602	50.00	ug/l		0.00
34) 1,4-Difluorobenzene	5.60	114	354032	50.00	ug/l		0.00
63) Chlorobenzene-d5	9.77	117	224625	50.00	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	63904	50.00	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	4.84	65	112109	74.87	ug/l		0.00
Spiked Amount 50.000			Recovery = 149.74%				
35) Dibromofluoromethane	4.11	113	161541	65.38	ug/l		0.00
Spiked Amount 50.000			Recovery = 130.76%				
50) Toluene-d8	7.55	98	312717	42.58	ug/l		0.00
Spiked Amount 50.000			Recovery = 85.16%				
62) 4-Bromofluorobenzene	11.41	95	96798	33.65	ug/l		0.00
Spiked Amount 50.000			Recovery = 67.30%				
Target Compounds							Qvalue
16) Acetone	2.24	43	7128	22.727	ug/l		93
20) Methylene Chloride	2.18	84	16247m	4.537	ug/l		
31) Cyclohexane	3.70	56	5921	1.877	ug/l		97
39) Methylcyclohexane	5.45	83	51315	12.991	ug/l		93
40) Benzene	4.64	78	12343	1.412	ug/l		98
52) Toluene	7.62	92	200926	38.855	ug/l		99
67) Ethyl Benzene	9.90	91	305724	42.742	ug/l		96
68) m/p-Xylenes	10.13	106	395992	144.514	ug/l		100
69) o-Xylene	10.71	106	223230	75.655	ug/l		94
73) Isopropylbenzene	11.12	105	93908	21.345	ug/l		96
78) n-propylbenzene	11.59	91	275709	55.494	ug/l		97
80) 1,3,5-Trimethylbenzene	11.82	105	314287	88.977	ug/l		97
84) 1,2,4-Trimethylbenzene	12.21	105	1006782	290.755	ug/l		95
85) sec-Butylbenzene	12.30	105	137570	28.186	ug/l		91
86) p-Isopropyltoluene	12.46	119	61199m	14.751	ug/l		
89) n-Butylbenzene	12.84	91	161096	40.630	ug/l	#	65
95) Naphthalene	14.45	128	70811	29.772	ug/l	#	73

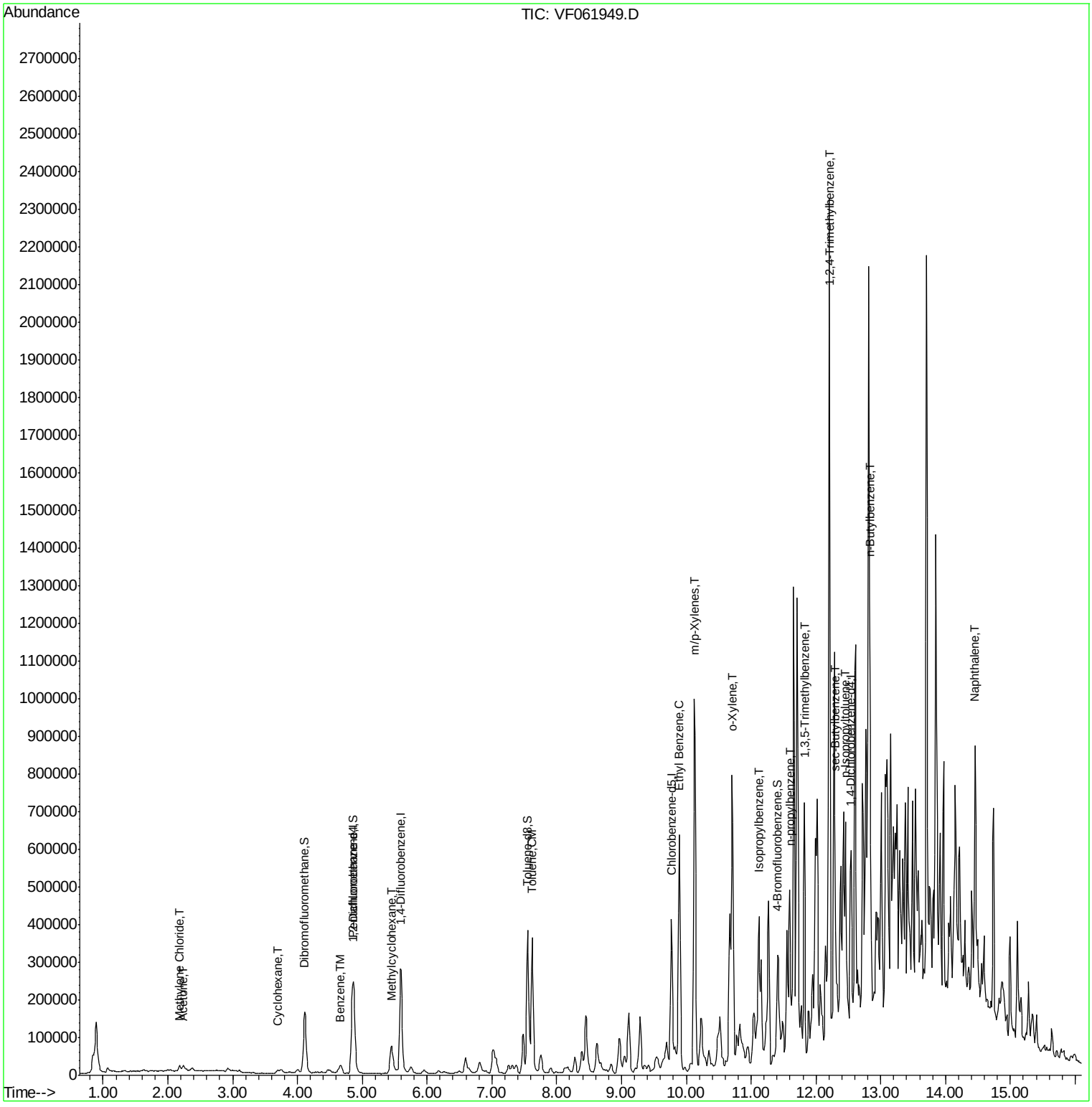
(#) = qualifier out of range (m) = manual integration (+) = signals summed

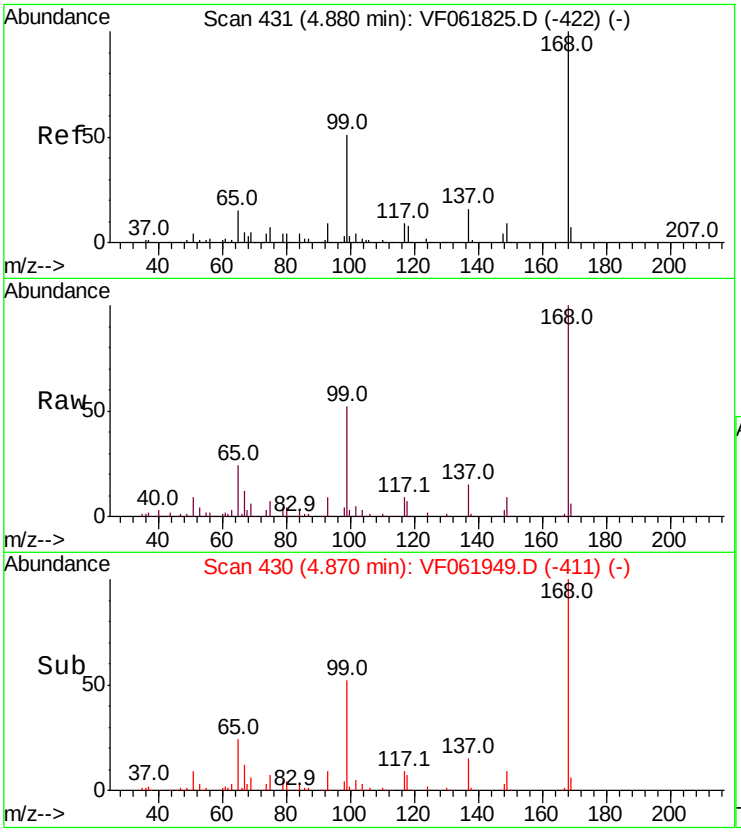
Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031419\
Data File : VF061949.D
Acq On : 14 Mar 2019 20:12
Operator : VA/AP
Sample : K1927-01
Misc : 5.5g/5mL/MSVOA-F/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
DRUM-COMP

Quant Time: Mar 15 01:54:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:50:44 2019
Response via : Initial Calibration



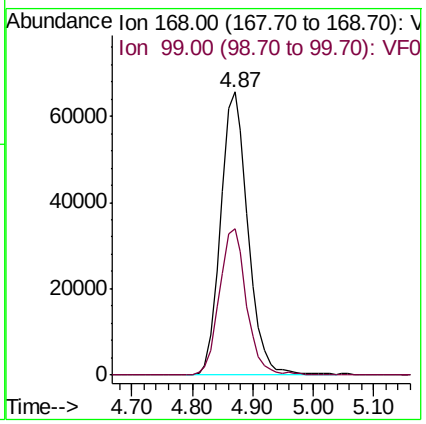


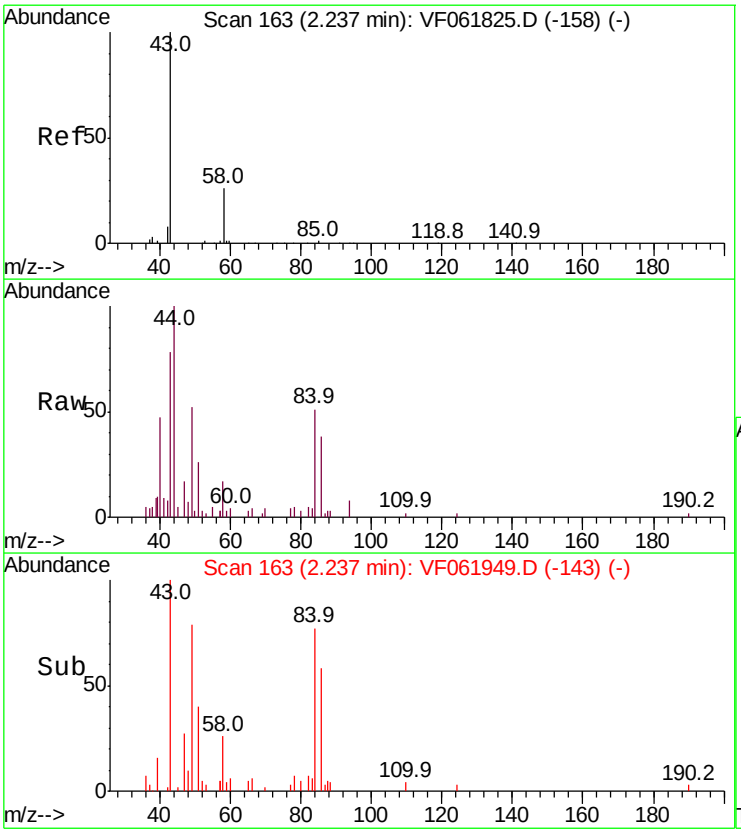
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.87 min Scan# 430
Delta R.T. -0.01 min
Lab File: VF061949.D
Acq: 14 Mar 2019 20:12

Instrument : MSVOA_F
ClientSampleId : DRUM-COMP

Tgt Ion:168 Resp: 205602

Ion	Ratio	Lower	Upper
168	100		
99	51.8	40.8	61.2

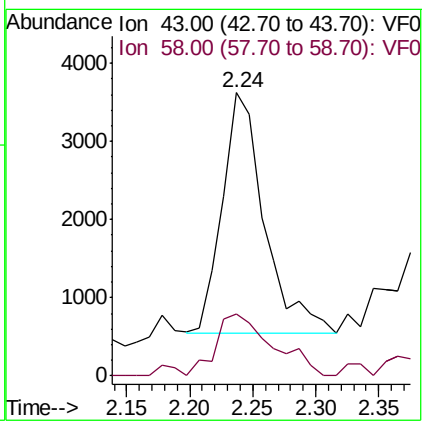


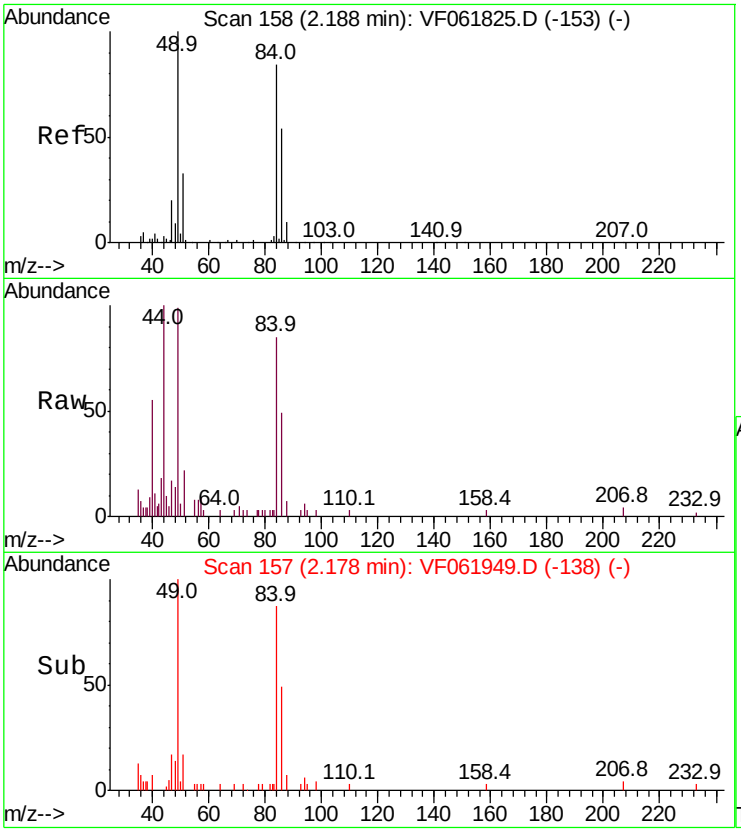


#16
Acetone
Concen: 22.727 ug/l
RT: 2.24 min Scan# 163
Delta R.T. 0.00 min
Lab File: VF061949.D
Acq: 14 Mar 2019 20:12

Tgt Ion: 43 Resp: 7128

Ion	Ratio	Lower	Upper
43	100		
58	21.7	20.3	30.5



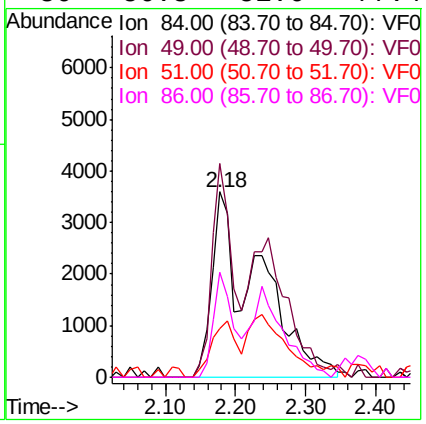


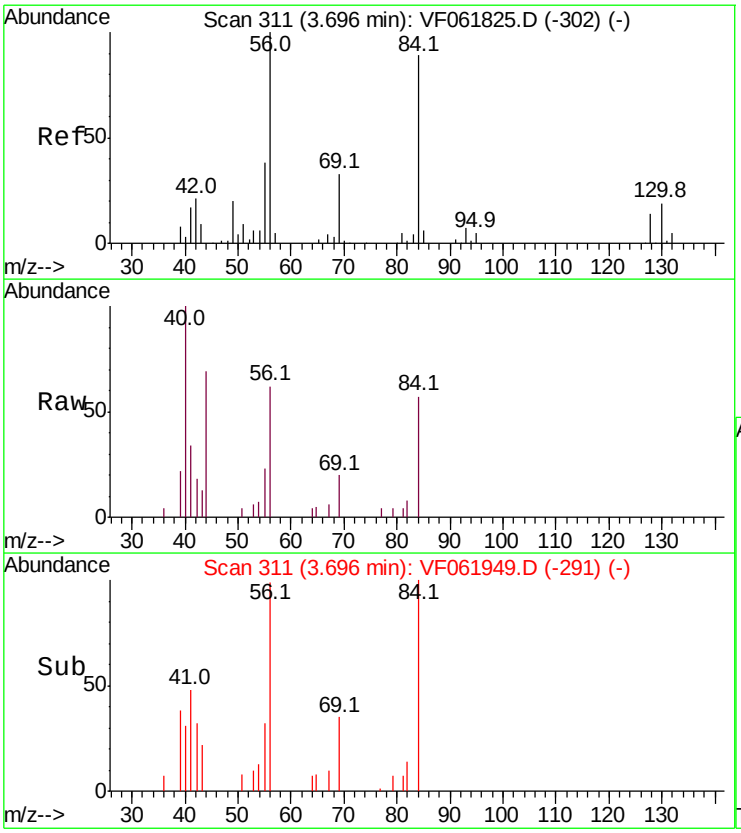
#20
Methylene Chloride
Concen: 4.537 ug/l m
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF061949.D
Acq: 14 Mar 2019 20:12

Instrument : MSVOA_F
ClientSampleId : DRUM-COMP

Tgt Ion: 84 Resp: 16247

Ion	Ratio	Lower	Upper
84	100		
49	115.4	96.8	145.2
51	26.3	31.8	47.6#
86	56.8	51.6	77.4

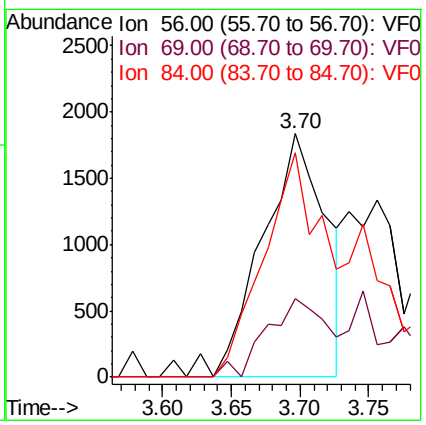


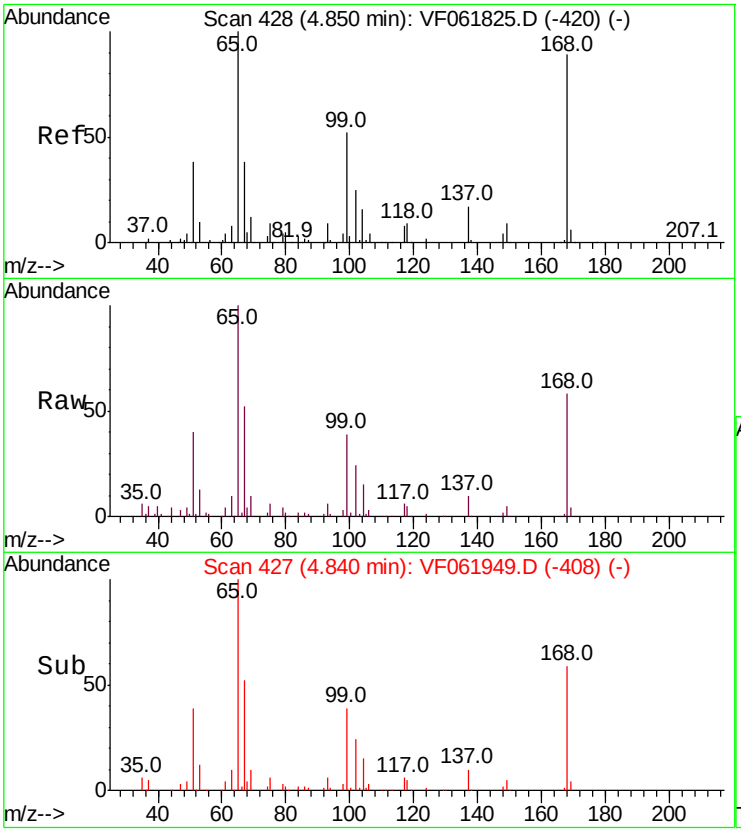


#31
Cyclohexane
Concen: 1.877 ug/l
RT: 3.70 min Scan# 311
Delta R.T. 0.00 min
Lab File: VF061949.D
Acq: 14 Mar 2019 20:12

Tgt Ion: 56 Resp: 5921

Ion	Ratio	Lower	Upper
56	100		
69	32.1	26.0	39.0
84	92.1	71.0	106.6



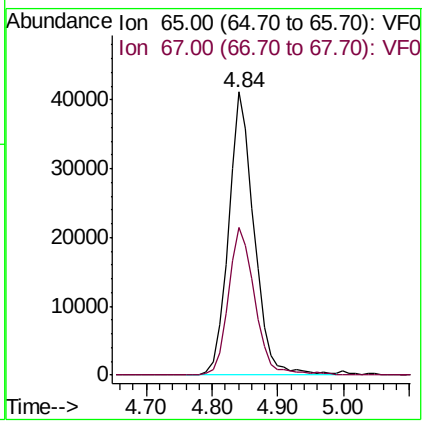


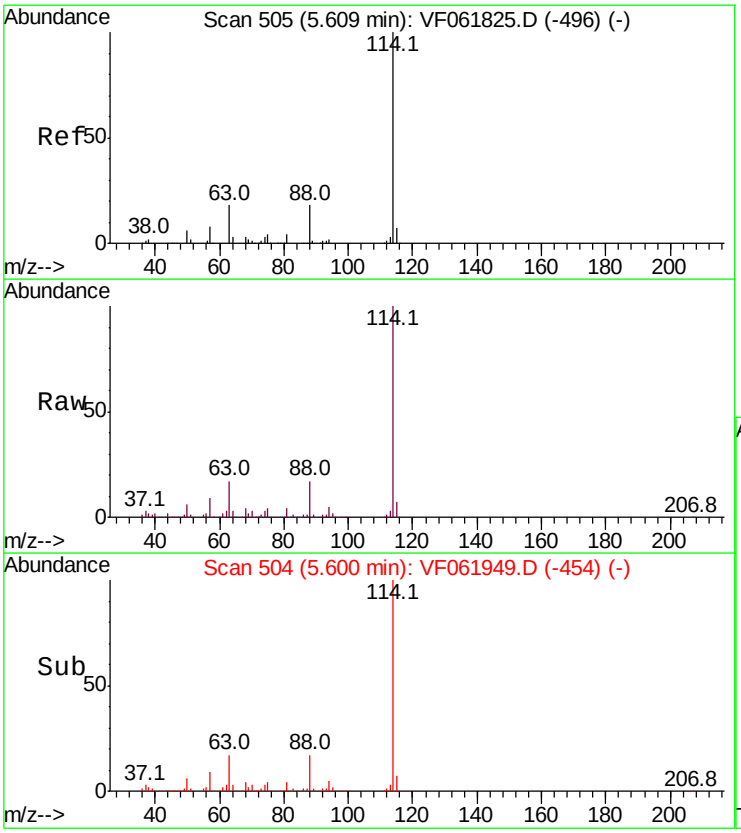
#33
1,2-Dichloroethane-d4
Concen: 74.875 ug/l
RT: 4.84 min Scan# 427
Delta R.T. -0.01 min
Lab File: VF061949.D
Acq: 14 Mar 2019 20:12

Instrument : MSVOA_F
ClientSampleId : DRUM-COMP

Tgt Ion: 65 Resp: 112109

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	108.6

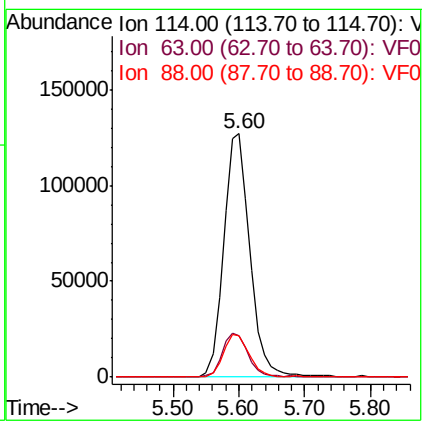


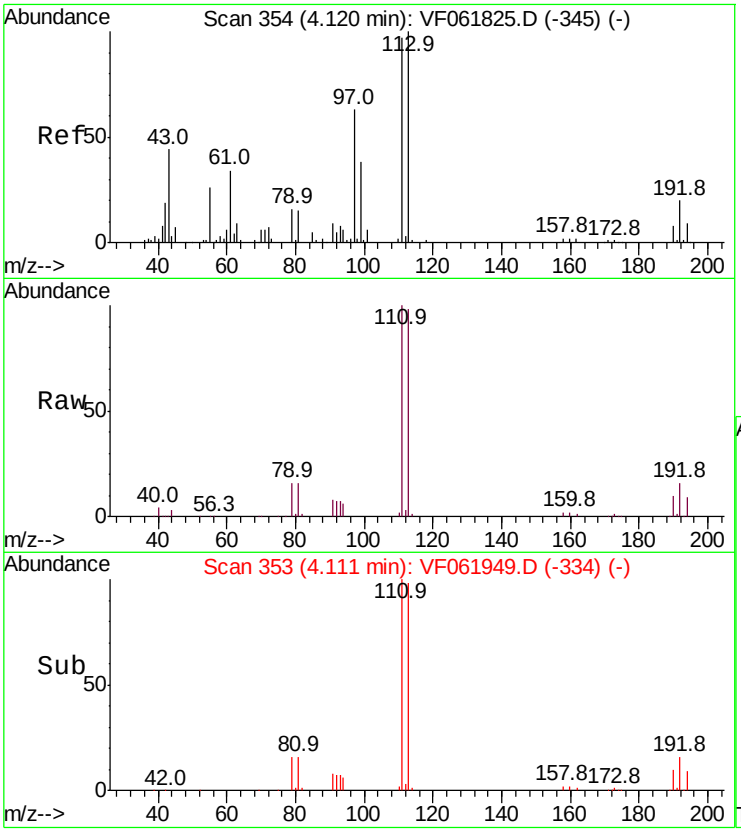


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.60 min Scan# 504
Delta R.T. -0.01 min
Lab File: VF061949.D
Acq: 14 Mar 2019 20:12

Tgt Ion:114 Resp: 354032

Ion	Ratio	Lower	Upper
114	100		
63	16.9	0.0	35.6
88	17.2	0.0	35.6



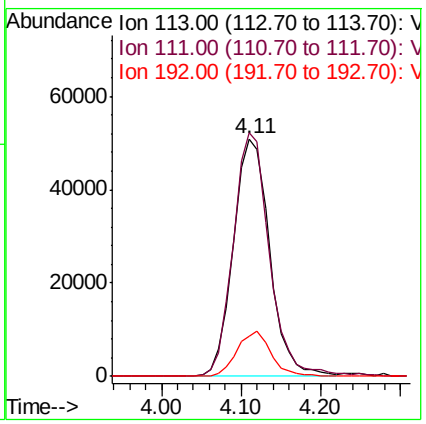


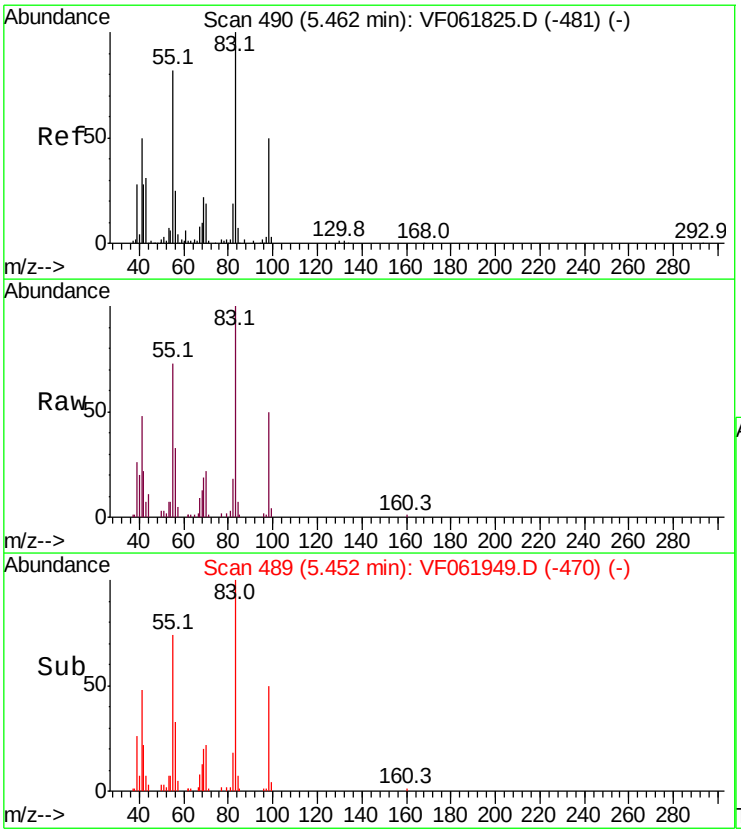
#35
Dibromofluoromethane
Concen: 65.383 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.01 min
Lab File: VF061949.D
Acq: 14 Mar 2019 20:12

Instrument :
MSVOA_F
ClientSampleId :
DRUM-COMP

Tgt Ion:113 Resp: 161541

Ion	Ratio	Lower	Upper
113	100		
111	102.5	77.6	116.4
192	17.1	15.9	23.9

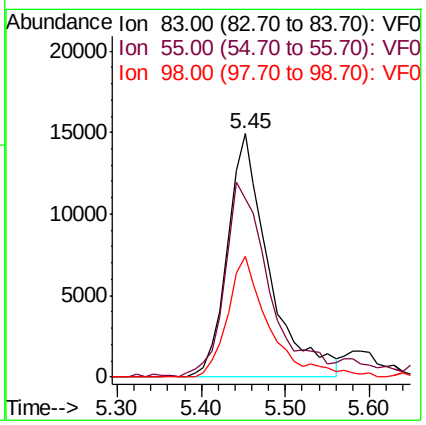


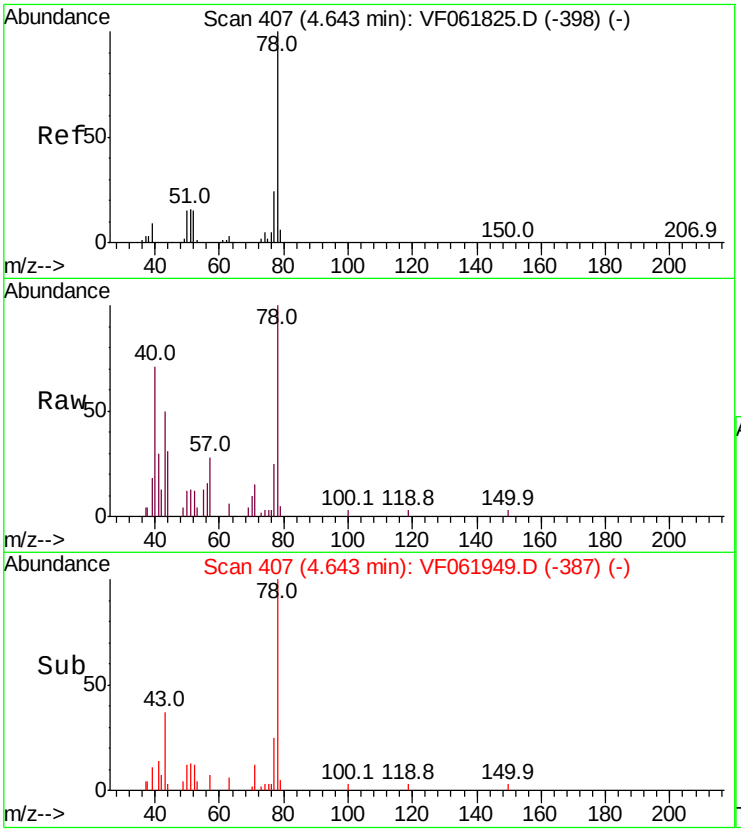


#39
Methylcyclohexane
Concen: 12.991 ug/l
RT: 5.45 min Scan# 489
Delta R.T. -0.01 min
Lab File: VF061949.D
Acq: 14 Mar 2019 20:12

Tgt Ion: 83 Resp: 51315

Ion	Ratio	Lower	Upper
83	100		
55	73.0	66.0	99.0
98	49.6	39.8	59.6



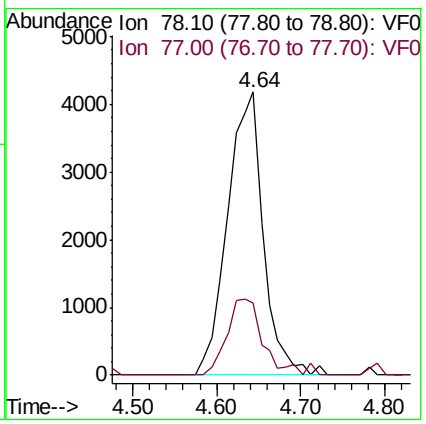


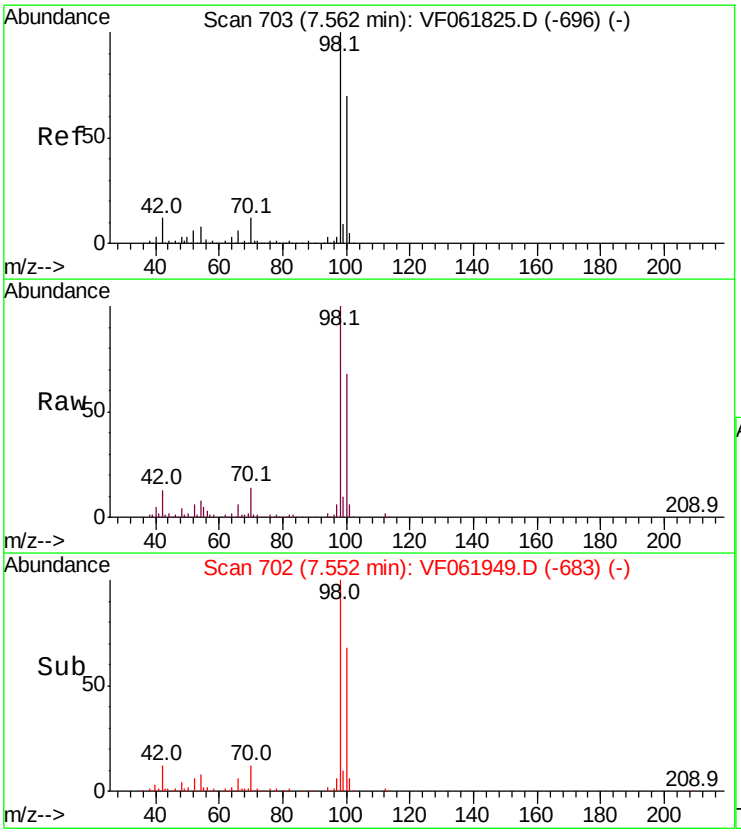
#40
Benzene
Concen: 1.412 ug/l
RT: 4.64 min Scan# 407
Delta R.T. 0.00 min
Lab File: VF061949.D
Acq: 14 Mar 2019 20:12

Instrument :
MSVOA_F
ClientSampleId :
DRUM-COMP

Tgt Ion: 78 Resp: 12343

Ion	Ratio	Lower	Upper
78	100		
77	25.4	19.5	29.3

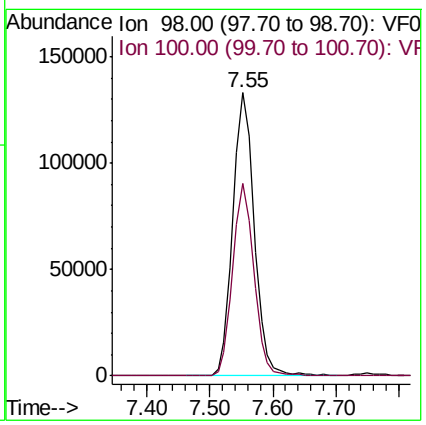


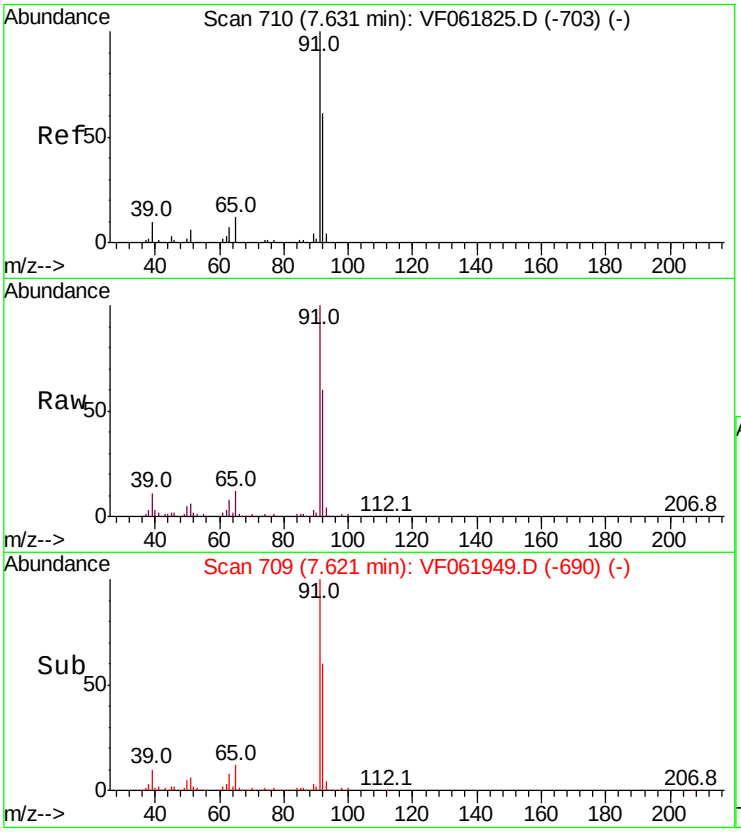


#50
Toluene-d8
Concen: 42.584 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.01 min
Lab File: VF061949.D
Acq: 14 Mar 2019 20:12

Tgt Ion: 98 Resp: 312717

Ion	Ratio	Lower	Upper
98	100		
100	68.0	56.0	84.0



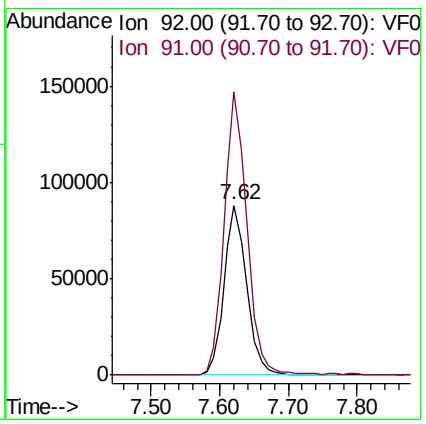


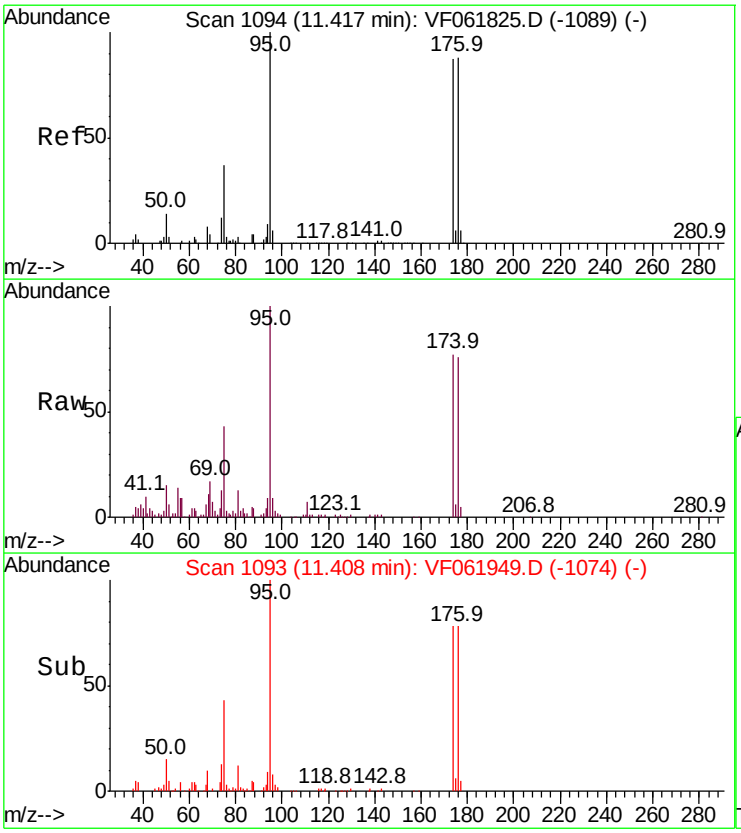
#52
Toluene
Concen: 38.855 ug/l
RT: 7.62 min Scan# 709
Delta R.T. -0.01 min
Lab File: VF061949.D
Acq: 14 Mar 2019 20:12

Instrument :
MSVOA_F
ClientSampleId :
DRUM-COMP

Tgt Ion: 92 Resp: 200926

Ion	Ratio	Lower	Upper
92	100		
91	166.8	132.0	198.0

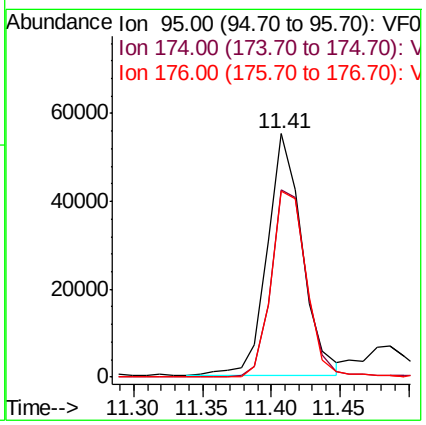


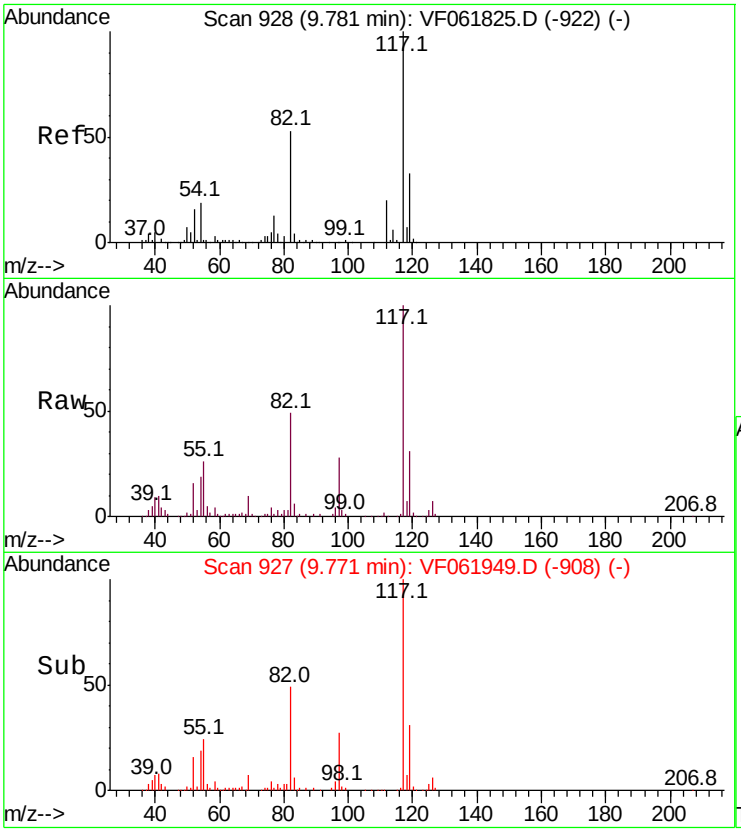


#62
4-Bromofluorobenzene
Concen: 33.649 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VF061949.D
Acq: 14 Mar 2019 20:12

Tgt Ion: 95 Resp: 96798

Ion	Ratio	Lower	Upper
95	100		
174	76.7	0.0	174.0
176	76.2	0.0	175.2



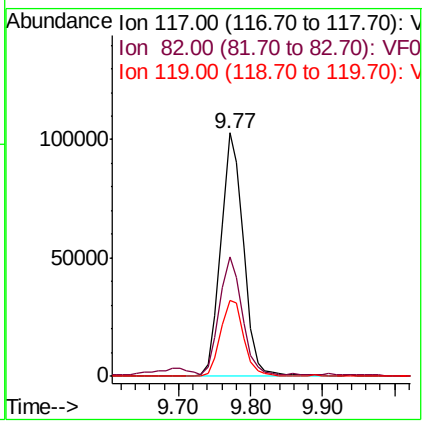


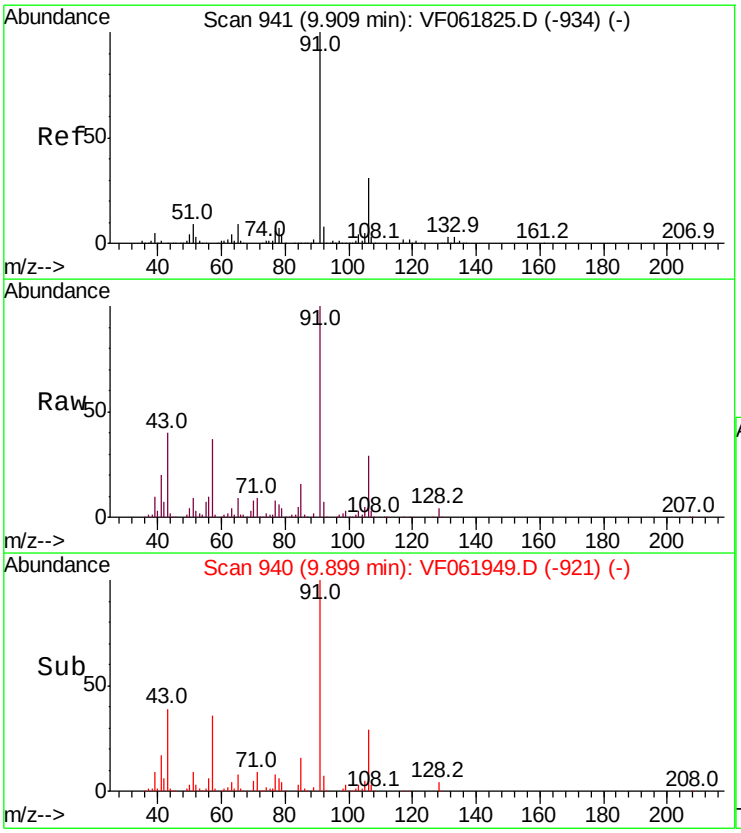
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.01 min
Lab File: VF061949.D
Acq: 14 Mar 2019 20:12

Instrument :
MSVOA_F
ClientSampleId :
DRUM-COMP

Tgt Ion:117 Resp: 224625

Ion	Ratio	Lower	Upper
117	100		
82	49.3	42.6	63.8
119	31.4	26.0	39.0

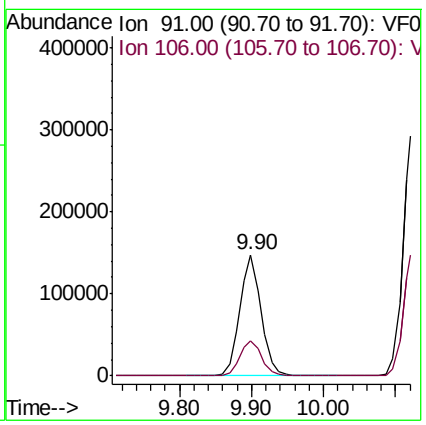


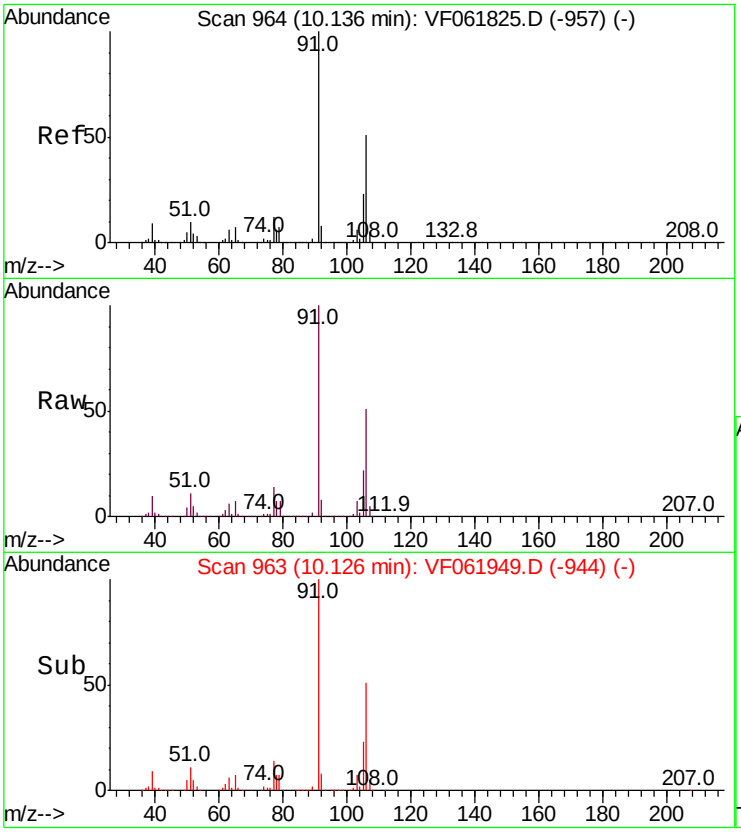


#67
Ethyl Benzene
Concen: 42.742 ug/l
RT: 9.90 min Scan# 940
Delta R.T. -0.01 min
Lab File: VF061949.D
Acq: 14 Mar 2019 20:12

Tgt Ion: 91 Resp: 305724

Ion	Ratio	Lower	Upper
91	100		
106	28.9	25.0	37.4



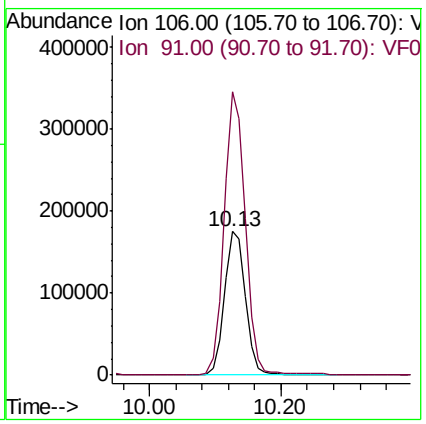


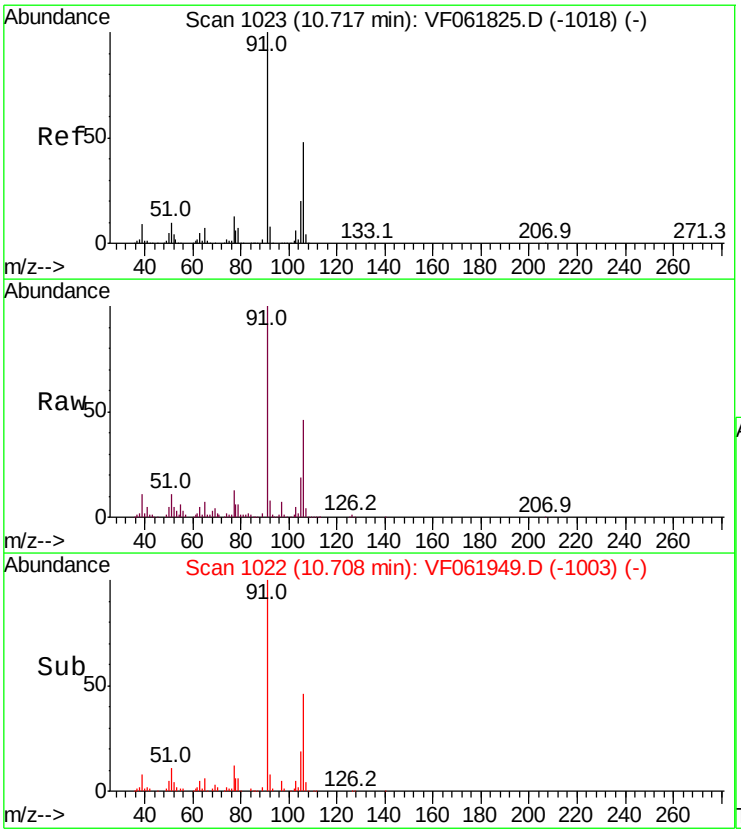
#68
m/p-Xylenes
Concen: 144.514 ug/l
RT: 10.13 min Scan# 963
Delta R.T. -0.01 min
Lab File: VF061949.D
Acq: 14 Mar 2019 20:12

Instrument :
MSVOA_F
ClientSampleId :
DRUM-COMP

Tgt Ion:106 Resp: 395992

Ion	Ratio	Lower	Upper
106	100		
91	197.0	157.5	236.3

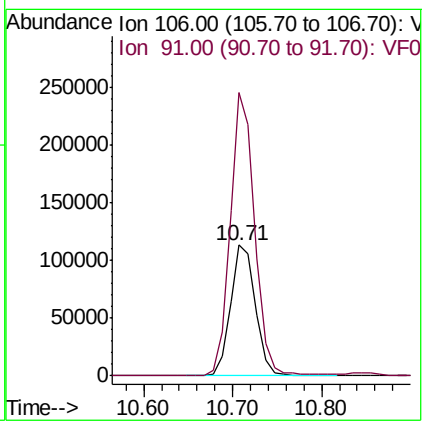


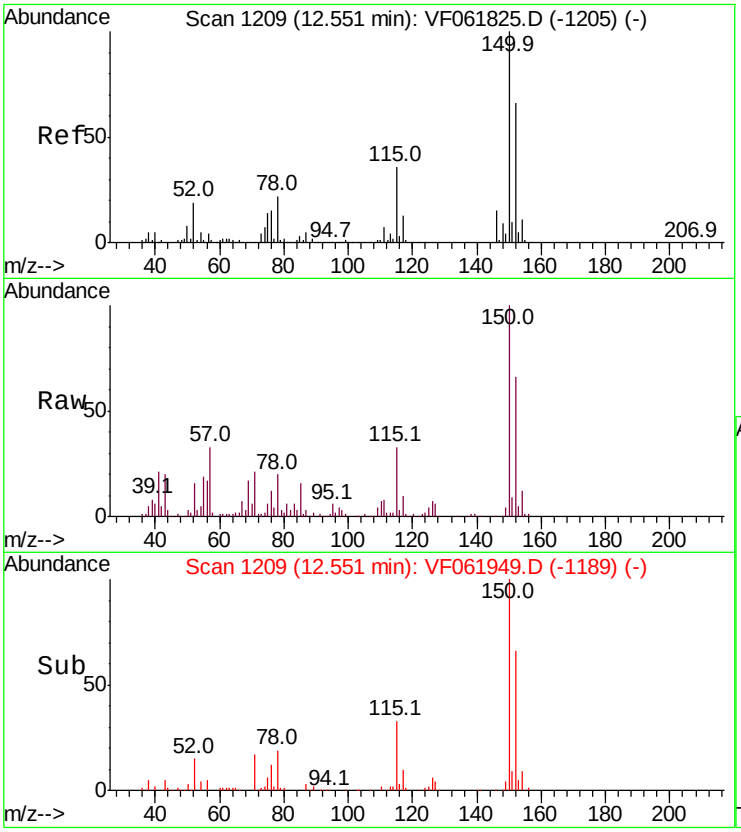


#69
o-Xylene
Concen: 75.655 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.01 min
Lab File: VF061949.D
Acq: 14 Mar 2019 20:12

Tgt Ion:106 Resp: 223230

Ion	Ratio	Lower	Upper
106	100		
91	216.6	103.5	310.3



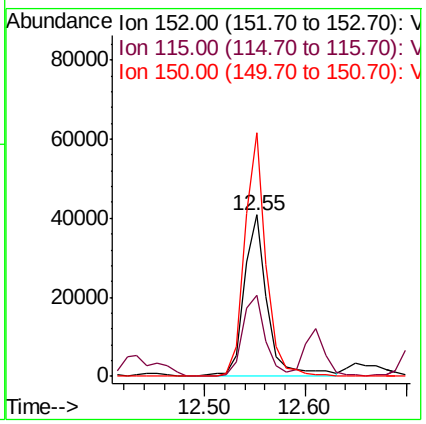


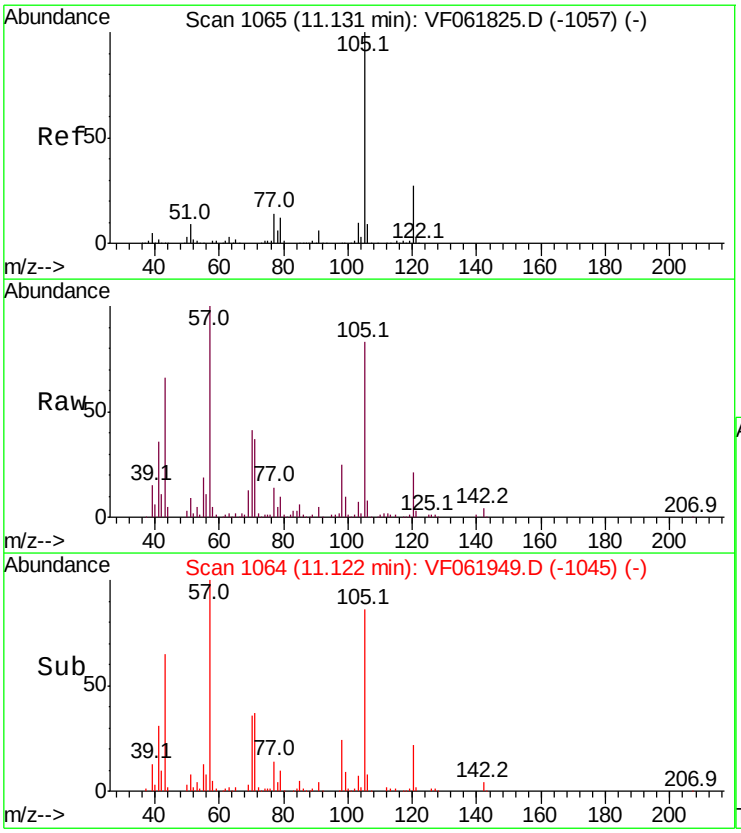
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. 0.00 min
Lab File: VF061949.D
Acq: 14 Mar 2019 20:12

Instrument : MSVOA_F
ClientSampleId : DRUM-COMP

Tgt Ion:152 Resp: 63904

Ion	Ratio	Lower	Upper
152	100		
115	50.1	27.7	83.1
150	151.1	0.0	304.2

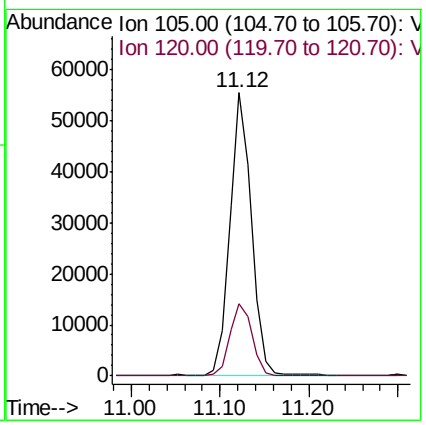


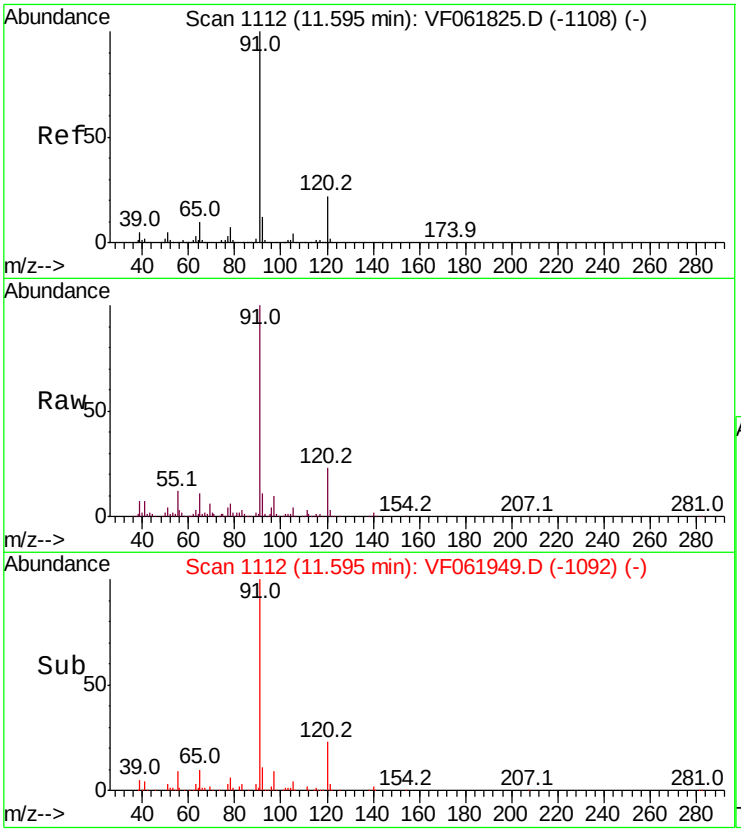


#73
Isopropylbenzene
Concen: 21.345 ug/l
RT: 11.12 min Scan# 1064
Delta R.T. -0.01 min
Lab File: VF061949.D
Acq: 14 Mar 2019 20:12

Tgt Ion:105 Resp: 93908

Ion	Ratio	Lower	Upper
105	100		
120	25.4	13.7	41.0



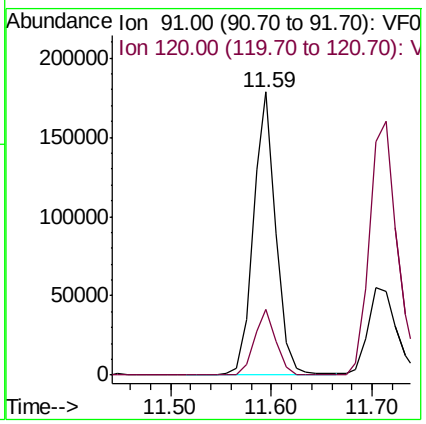


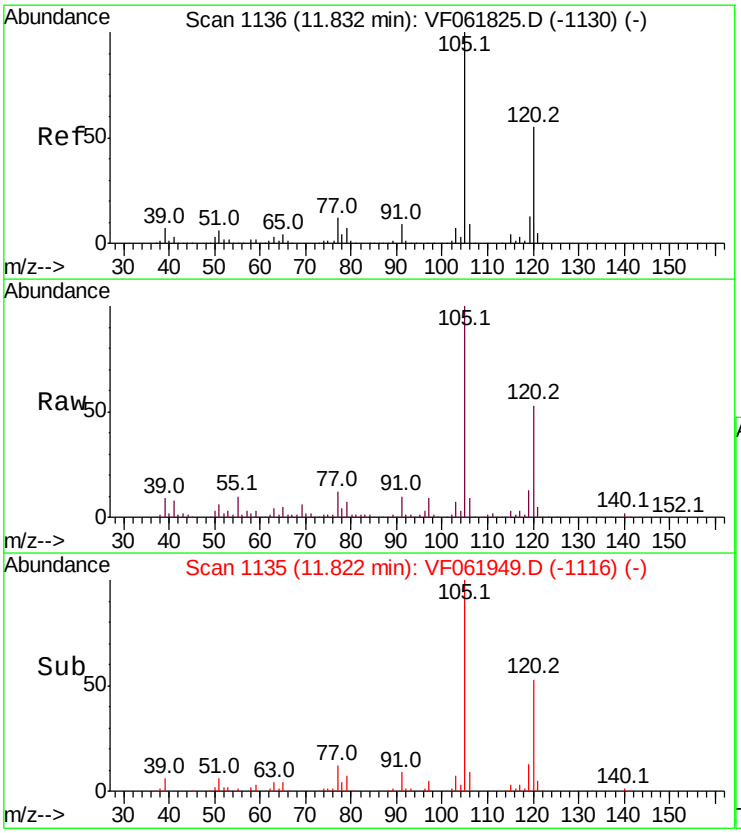
#78
n-propylbenzene
Concen: 55.494 ug/l
RT: 11.59 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VF061949.D
Acq: 14 Mar 2019 20:12

Instrument :
MSVOA_F
ClientSampleId :
DRUM-COMP

Tgt Ion: 91 Resp: 275709

Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.1	33.1

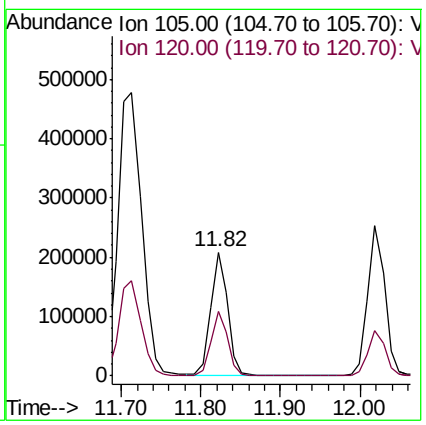


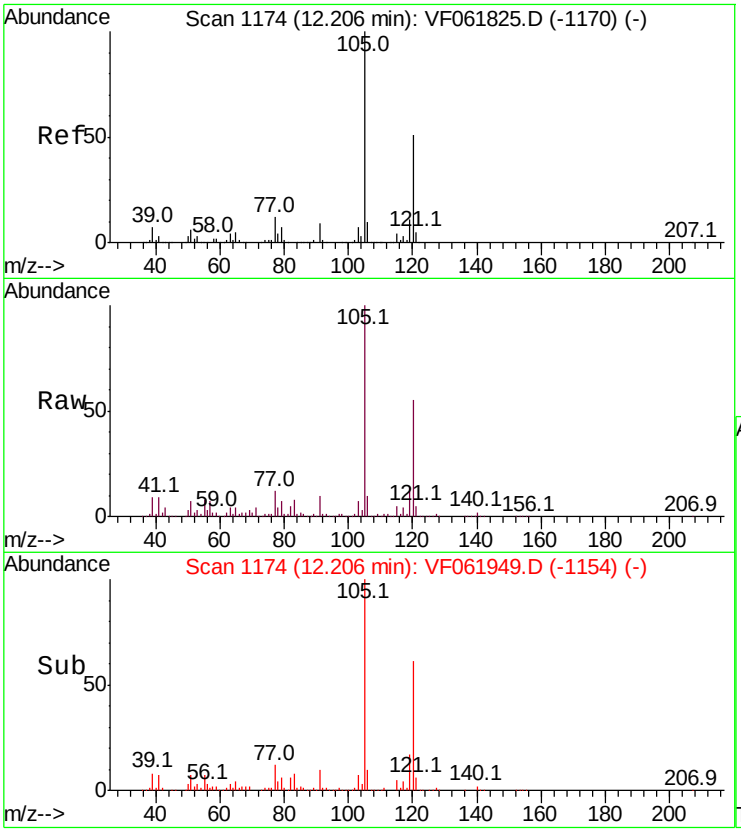


#80
1,3,5-Trimethylbenzene
Concen: 88.977 ug/l
RT: 11.82 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VF061949.D
Acq: 14 Mar 2019 20:12

Tgt Ion:105 Resp: 314287

Ion	Ratio	Lower	Upper
105	100		
120	52.7	27.4	82.2



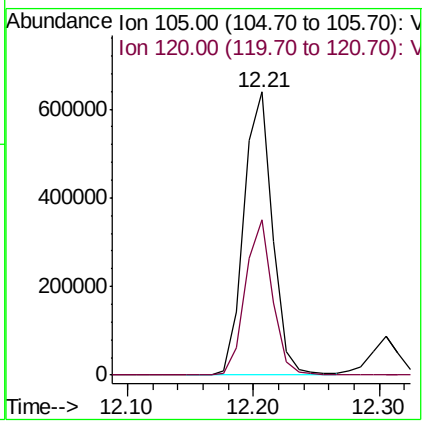


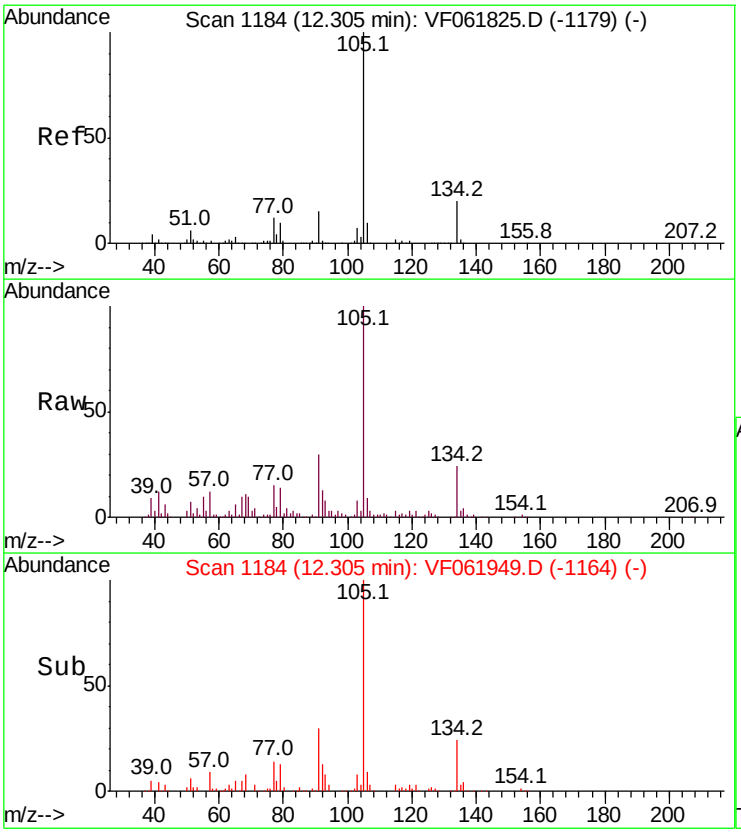
#84
1,2,4-Trimethylbenzene
Concen: 290.755 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VF061949.D
Acq: 14 Mar 2019 20:12

Instrument :
MSVOA_F
ClientSampleId :
DRUM-COMP

Tgt Ion:105 Resp: 1006782

Ion	Ratio	Lower	Upper
105	100		
120	54.8	25.8	77.4

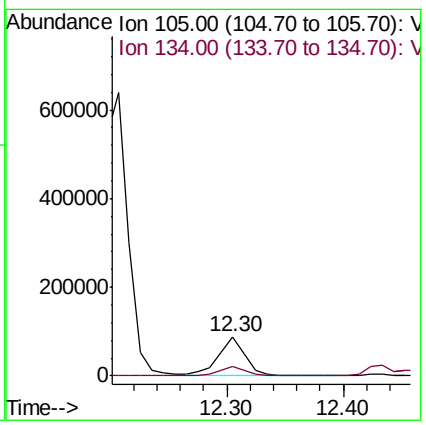


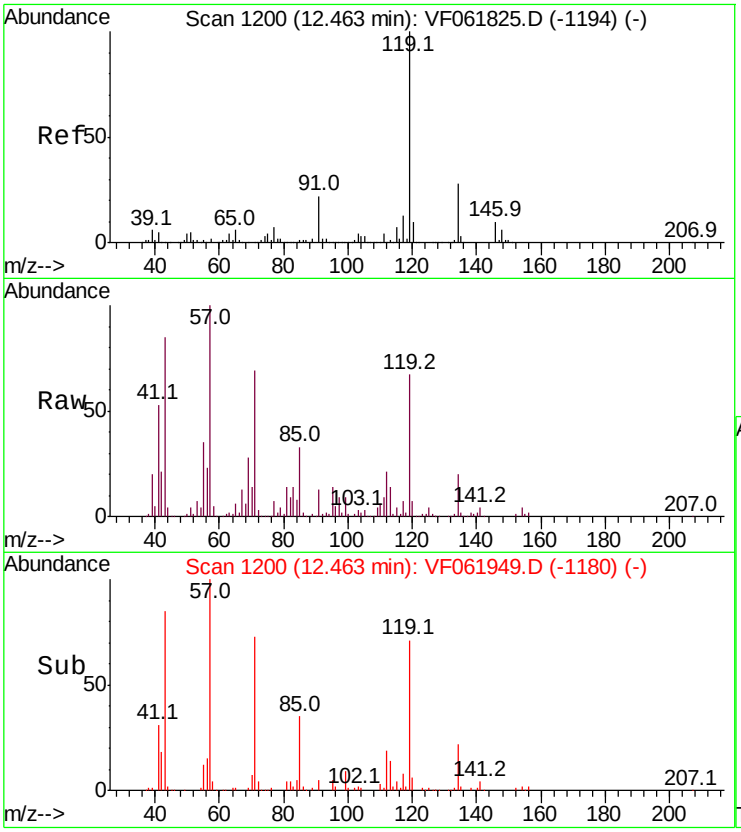


#85
sec-Butylbenzene
Concen: 28.186 ug/l
RT: 12.30 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VF061949.D
Acq: 14 Mar 2019 20:12

Tgt Ion:105 Resp: 137570

Ion	Ratio	Lower	Upper
105	100		
134	23.6	9.8	29.5



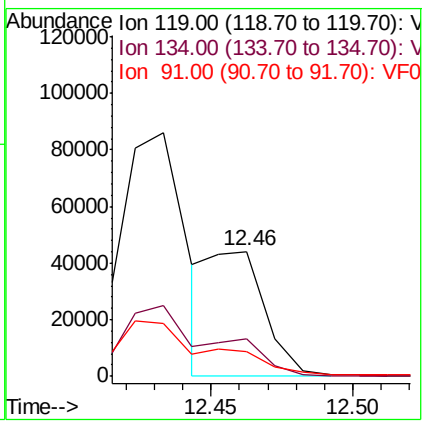


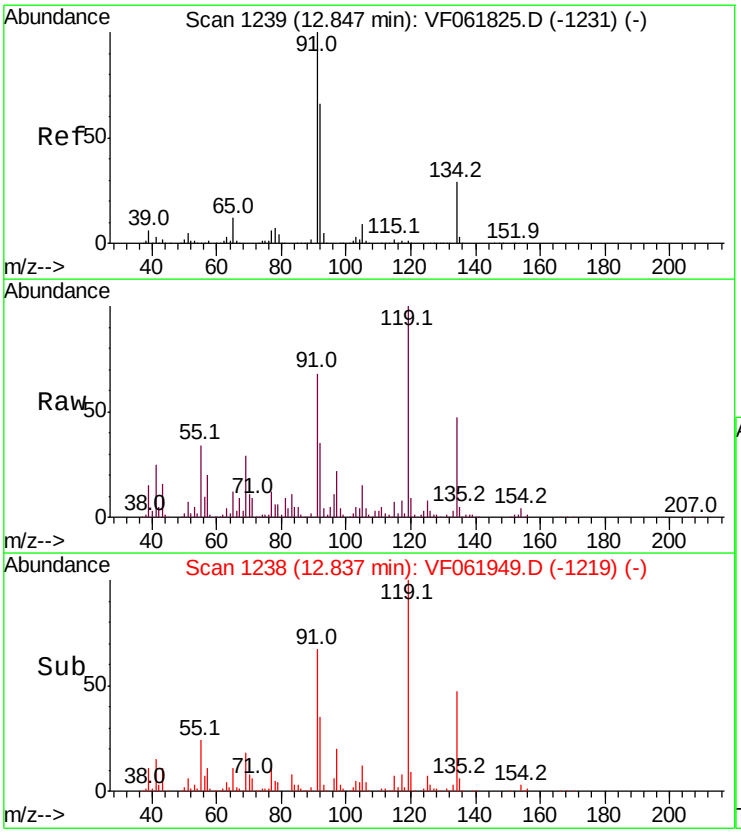
#86
p-Isopropyltoluene
Concen: 14.751 ug/l m
RT: 12.46 min Scan# 1200
Delta R.T. 0.00 min
Lab File: VF061949.D
Acq: 14 Mar 2019 20:12

Instrument :
MSVOA_F
ClientSampleId :
DRUM-COMP

Tgt Ion:119 Resp: 61199

Ion	Ratio	Lower	Upper
119	100		
134	30.2	14.0	42.0
91	19.7	11.1	33.3

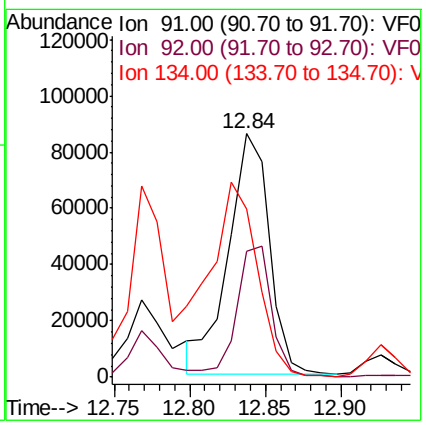


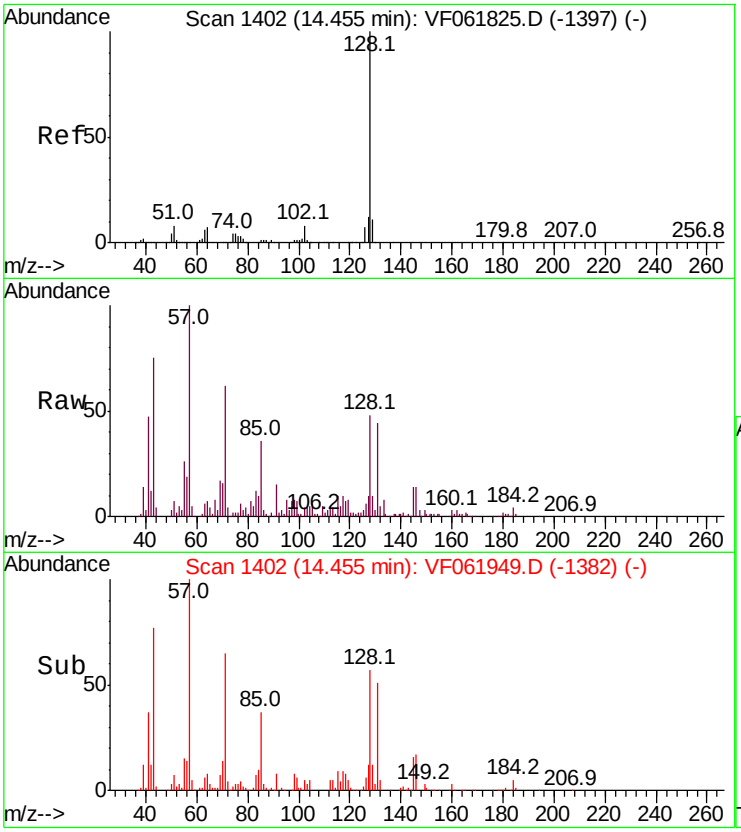


#89
n-Butylbenzene
Concen: 40.630 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VF061949.D
Acq: 14 Mar 2019 20:12

Tgt Ion: 91 Resp: 161096

Ion	Ratio	Lower	Upper
91	100		
92	51.7	32.9	98.6
134	69.2	14.5	43.6#





#95
Naphthalene
Concen: 29.772 ug/l
RT: 14.45 min Scan# 1402
Delta R.T. 0.00 min
Lab File: VF061949.D
Acq: 14 Mar 2019 20:12

Instrument :
MSVOA_F
ClientSampleId :
DRUM-COMP

Tgt Ion:128 Resp: 70811

Ion	Ratio	Lower	Upper
128	100		
127	21.9	9.3	13.9#
129	21.5	8.8	13.2#