Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122018\
Data File : VF061107.D
Acq On : 20 Dec 2018 14:47
Operator : VA/AP
Sample : J6377-05
Misc : 5.20g/5mL/MSVOA-F/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId :

Quant Time: Dec 21 06:41:57 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	89496	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	146983	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	103596	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	32100	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	45298	39.35	ug/l	0.00
Spiked Amount 50.000			Recovery = 78.70%			
35) Dibromofluoromethane	4.12	113	50230	42.66	ug/l	0.00
Spiked Amount 50.000			Recovery = 85.32%			
50) Toluene-d8	7.56	98	102810	30.81	ug/l	0.00
Spiked Amount 50.000			Recovery = 61.62%			
62) 4-Bromofluorobenzene	11.42	95	36774	23.91	ug/l	0.00
Spiked Amount 50.000			Recovery = 47.82%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.57	59	297	6.394	ug/l #	65
13) Acrolein	2.02	56	696	20.736	ug/l	98
15) Acrylonitrile	2.92	53	756	7.038	ug/l #	72
16) Acetone	2.24	43	5000	21.729	ug/l	98
25) 2-Butanone	4.35	43	3172	8.500	ug/l #	56
29) Tetrahydrofuran	4.08	42	597	3.930	ug/l #	68
51) 4-Methyl-2-Pentanone	8.27	43	2121	3.610	ug/l	96
52) Toluene	7.63	92	4867	1.927	ug/l	77
59) 2-Hexanone	9.51	43	2082	4.900	ug/l	98
65) Chlorobenzene	9.80	112	10913	5.099	ug/l	100
67) Ethyl Benzene	9.91	91	20413	5.236	ug/l	96
68) m/p-Xylenes	10.14	106	164146	119.628	ug/l	100
69) o-Xylene	10.72	106	16913	11.114	ug/l	99
70) Styrene	10.81	104	498	Below Cal	#	79
74) N-amyl acetate	11.38	43	1156	1.882	ug/l #	46
75) 1,1,2,2-Tetrachloroethane	11.66	83	633	1.379	ug/l #	59
80) 1,3,5-Trimethylbenzene	11.83	105	4025	1.767	ug/l	93
84) 1,2,4-Trimethylbenzene	12.21	105	15196	6.690	ug/l	100
87) 1,3-Dichlorobenzene	12.57	146	18221	14.983	ug/l	90
88) 1,4-Dichlorobenzene	12.57	146	18306	16.742	ug/l	90
89) n-Butylbenzene	12.85	91	2226	1.008	ug/l	72
95) Naphthalene	14.46	128	10853	7.872	ug/l	97

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

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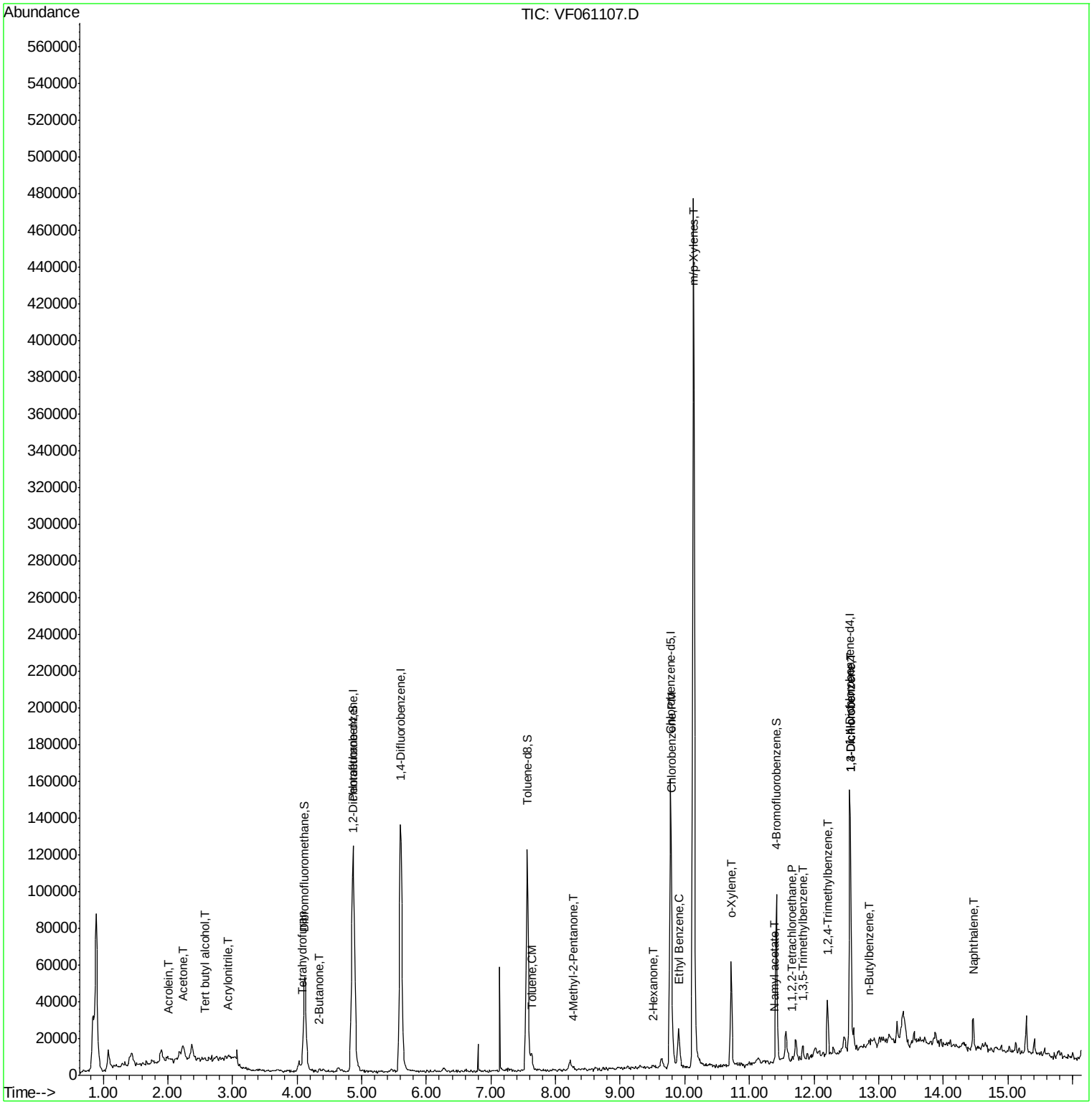
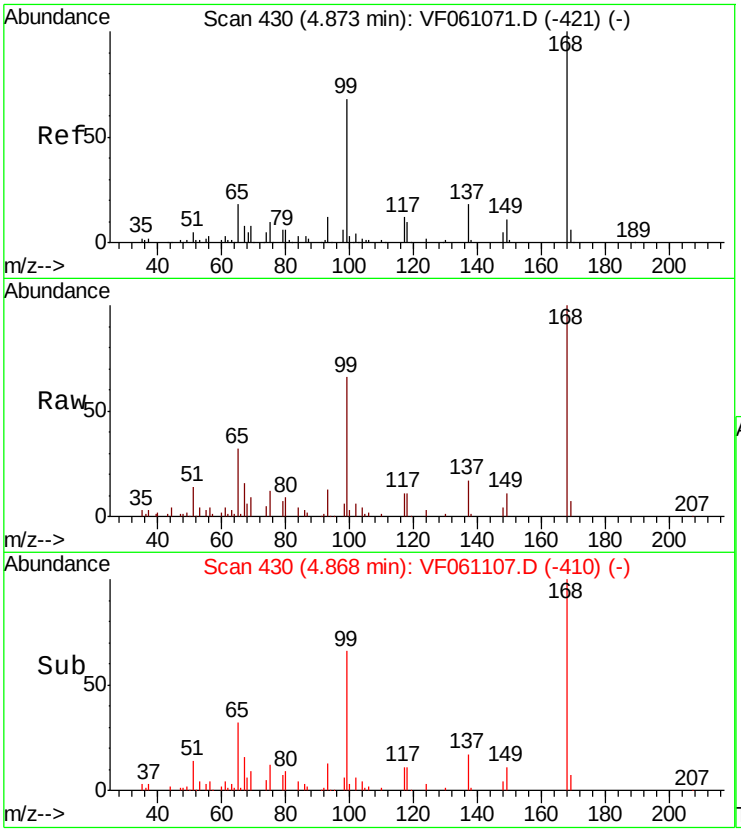
Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration



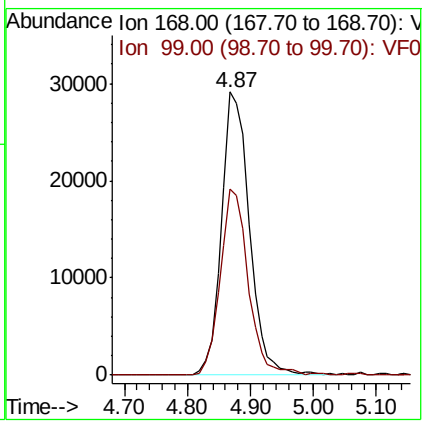


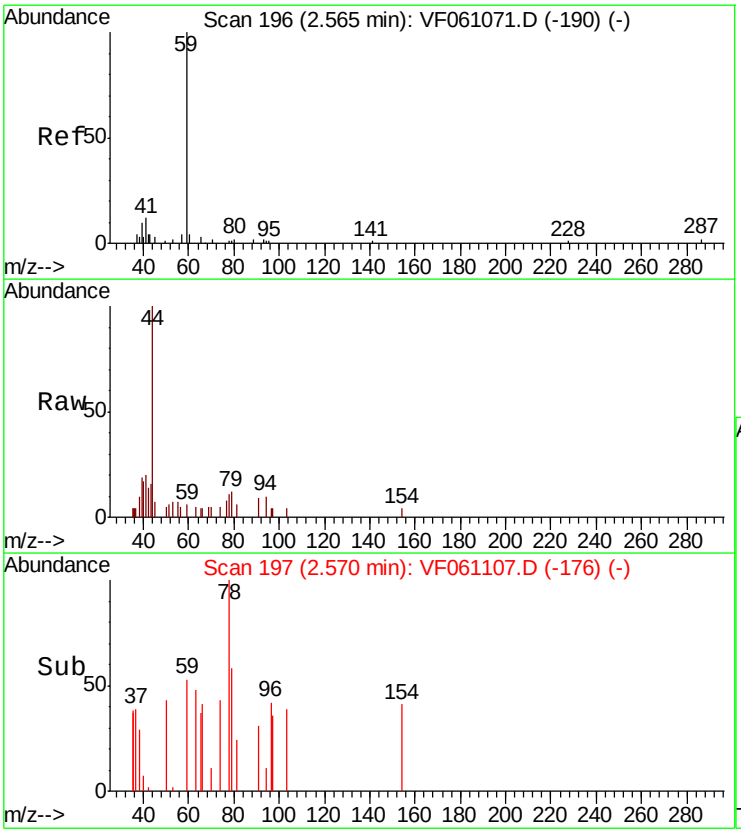
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.87 min Scan# 430
Delta R.T. -0.00 min
Lab File: VF061107.D
Acq: 20 Dec 2018 14:47

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:168 Resp: 89496

Ion	Ratio	Lower	Upper
168	100		
99	65.9	54.4	81.6

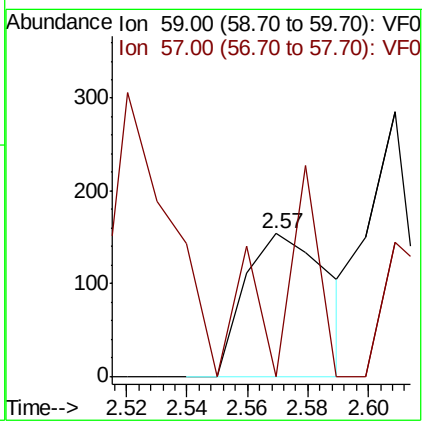


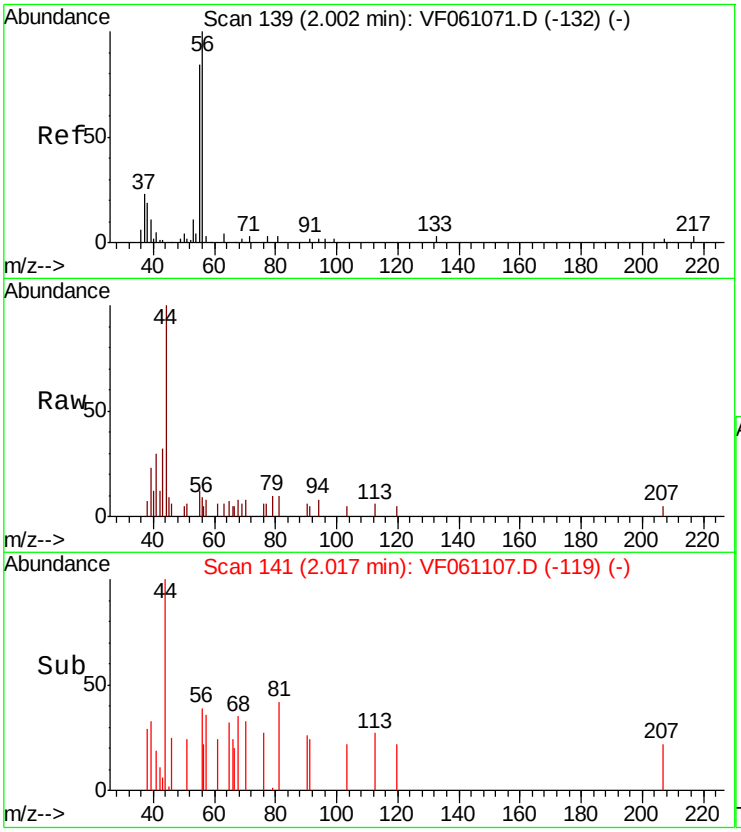


#11
Tert butyl alcohol
Concen: 6.394 ug/l
RT: 2.57 min Scan# 197
Delta R.T. 0.00 min
Lab File: VF061107.D
Acq: 20 Dec 2018 14:47

Tgt Ion: 59 Resp: 297

Ion	Ratio	Lower	Upper
59	100		
57	0.0	11.5	17.3#



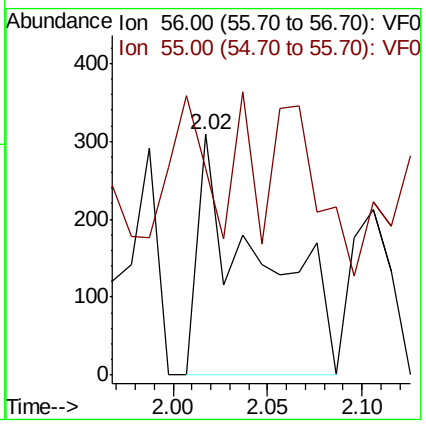


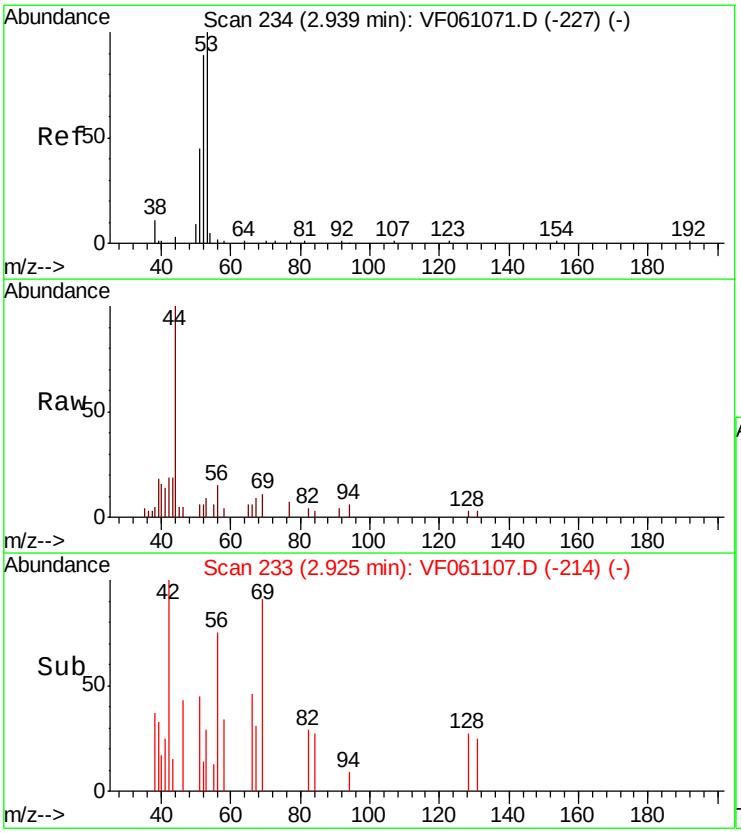
#13
Acrolein
Concen: 20.736 ug/l
RT: 2.02 min Scan# 141
Delta R.T. 0.02 min
Lab File: VF061107.D
Acq: 20 Dec 2018 14:47

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 56 Resp: 696

Ion	Ratio	Lower	Upper
56	100		
55	85.8	70.2	105.2

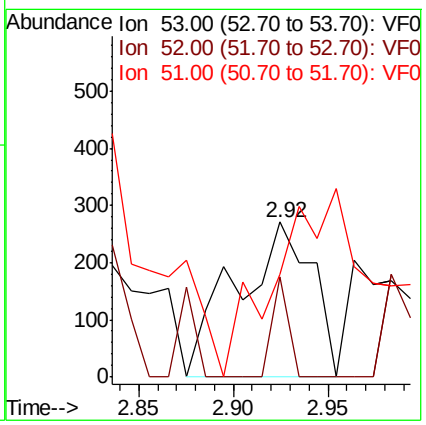


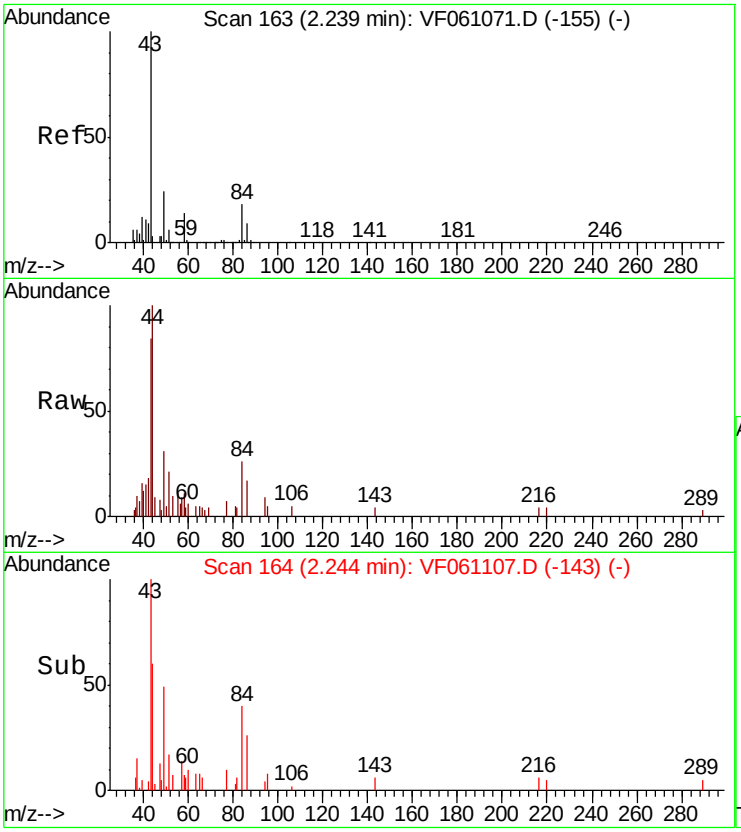


#15
Acrylonitrile
Concen: 7.038 ug/l
RT: 2.92 min Scan# 233
Delta R.T. -0.01 min
Lab File: VF061107.D
Acq: 20 Dec 2018 14:47

Tgt Ion: 53 Resp: 756

Ion	Ratio	Lower	Upper
53	100		
52	64.9	71.3	106.9#
51	66.4	36.8	55.2#



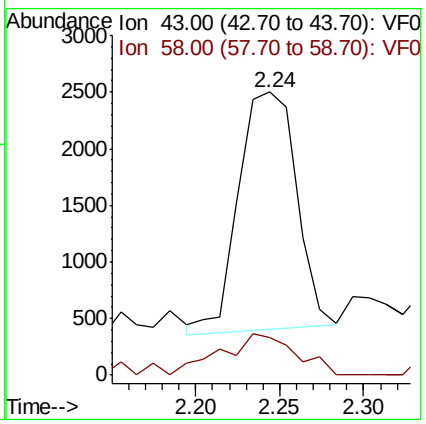


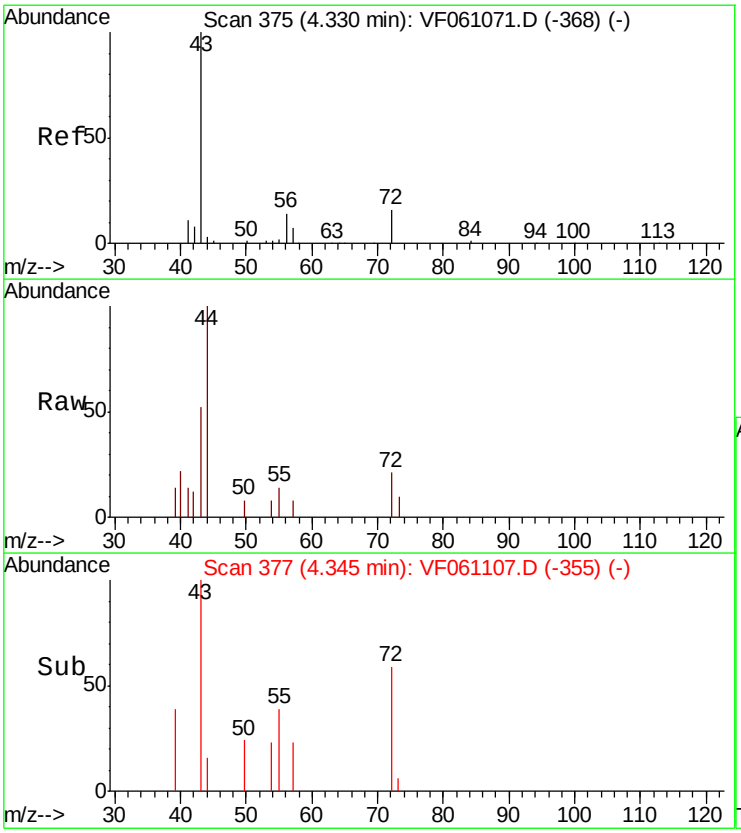
#16
Acetone
Concen: 21.729 ug/l
RT: 2.24 min Scan# 164
Delta R.T. 0.00 min
Lab File: VF061107.D
Acq: 20 Dec 2018 14:47

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 5000

Ion	Ratio	Lower	Upper
43	100		
58	13.2	11.1	16.7

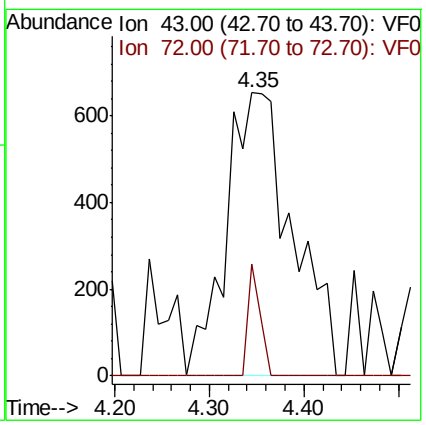


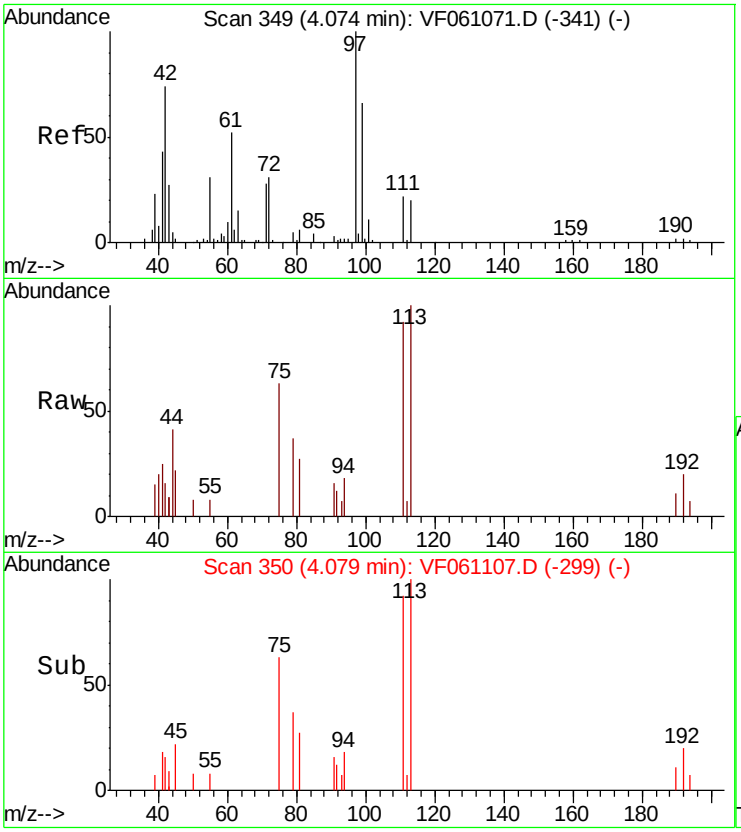


#25
2-Butanone
Concen: 8.500 ug/l
RT: 4.35 min Scan# 377
Delta R.T. 0.01 min
Lab File: VF061107.D
Acq: 20 Dec 2018 14:47

Tgt Ion: 43 Resp: 3172

Ion	Ratio	Lower	Upper
43	100		
72	39.7	15.6	23.4#



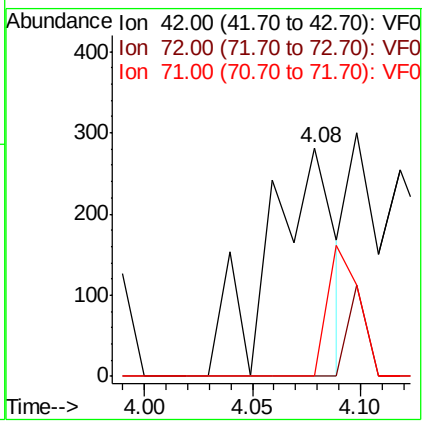


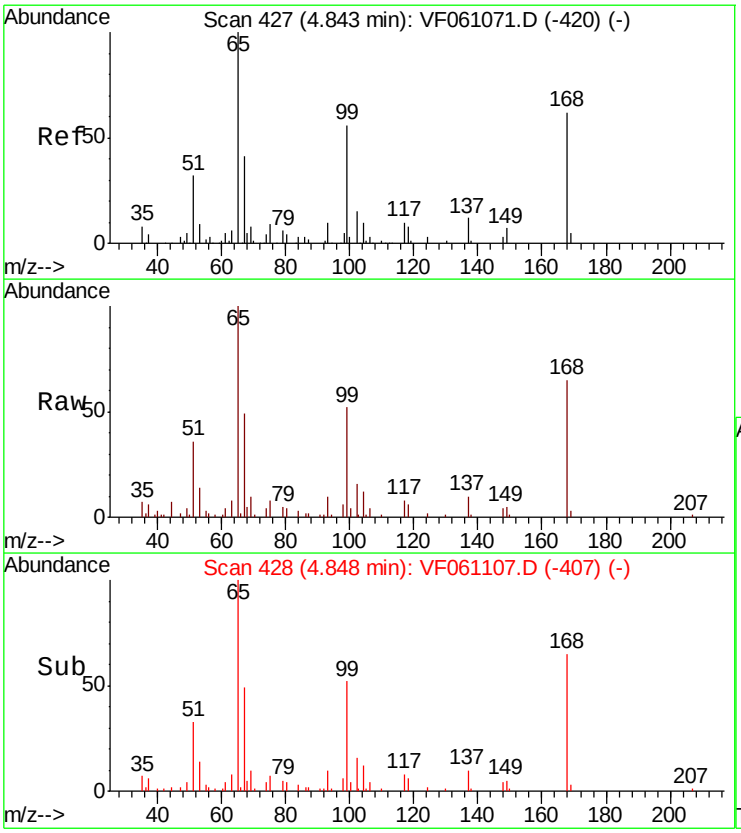
#29
Tetrahydrofuran
Concen: 3.930 ug/l
RT: 4.08 min Scan# 350
Delta R.T. 0.00 min
Lab File: VF061107.D
Acq: 20 Dec 2018 14:47

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 42 Resp: 597

Ion	Ratio	Lower	Upper
42	100		
72	11.1	31.8	47.8#
71	27.1	29.7	44.5#

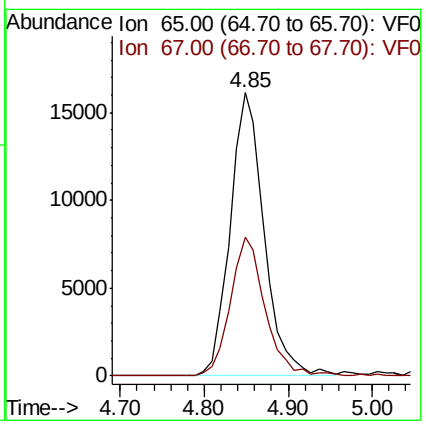


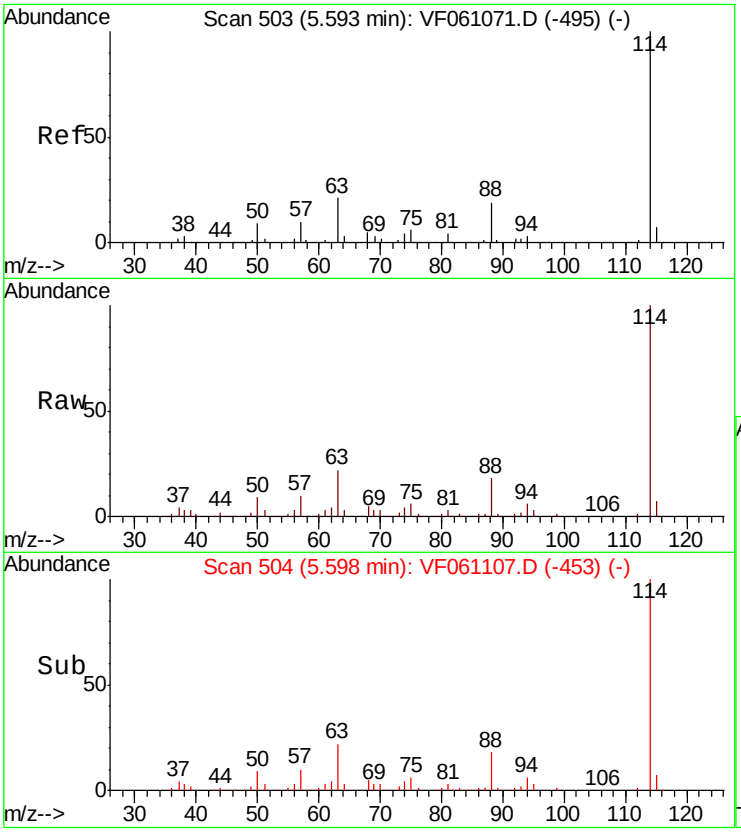


#33
1,2-Dichloroethane-d4
Concen: 39.353 ug/l
RT: 4.85 min Scan# 428
Delta R.T. 0.00 min
Lab File: VF061107.D
Acq: 20 Dec 2018 14:47

Tgt Ion: 65 Resp: 45298

Ion	Ratio	Lower	Upper
65	100		
67	48.8	0.0	94.6



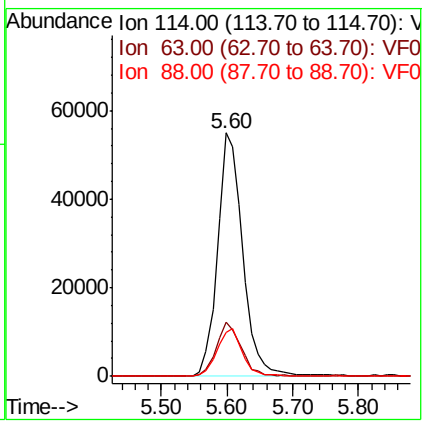


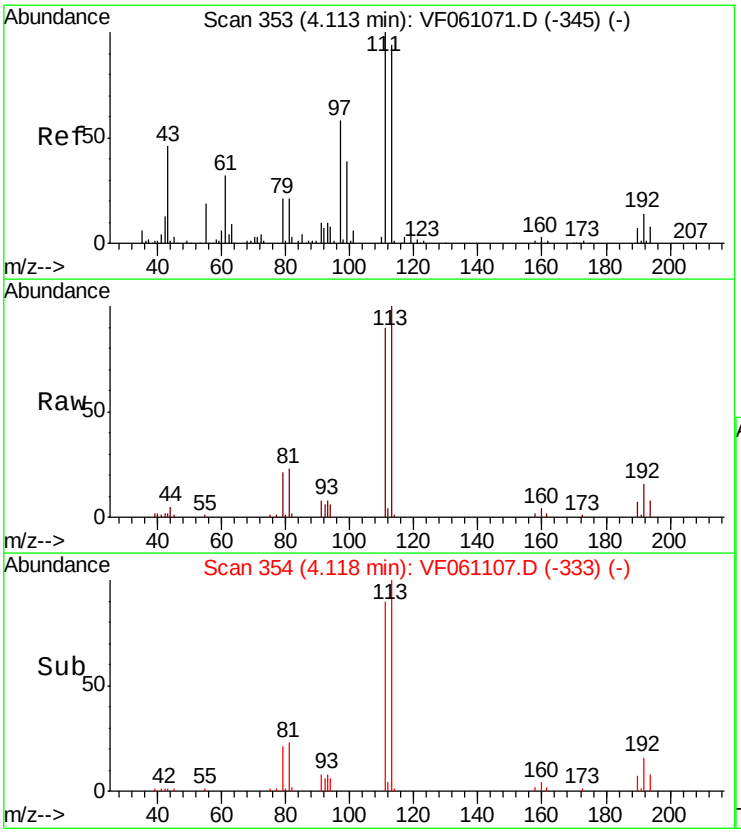
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.60 min Scan# 504
Delta R.T. 0.00 min
Lab File: VF061107.D
Acq: 20 Dec 2018 14:47

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:114 Resp: 146983

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	41.6
88	18.2	0.0	38.0

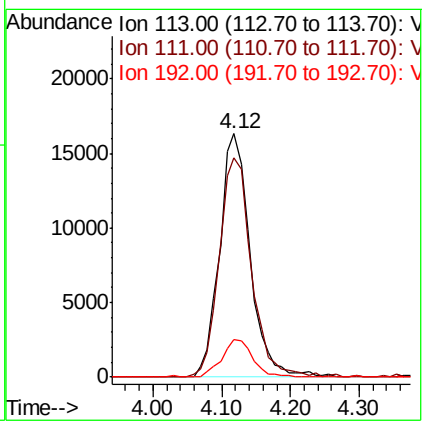


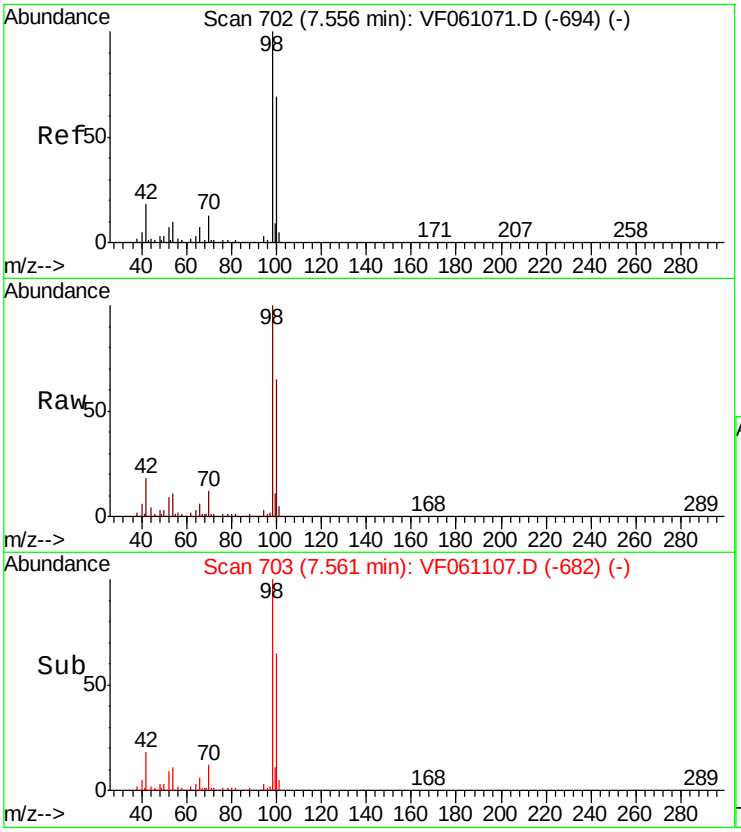


#35
Dibromofluoromethane
Concen: 42.661 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.00 min
Lab File: VF061107.D
Acq: 20 Dec 2018 14:47

Tgt Ion:113 Resp: 50230

Ion	Ratio	Lower	Upper
113	100		
111	90.1	85.2	127.8
192	15.6	12.8	19.2



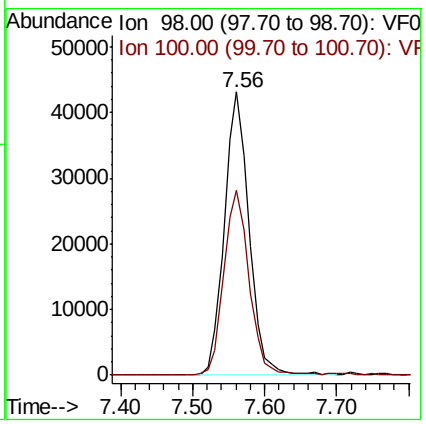


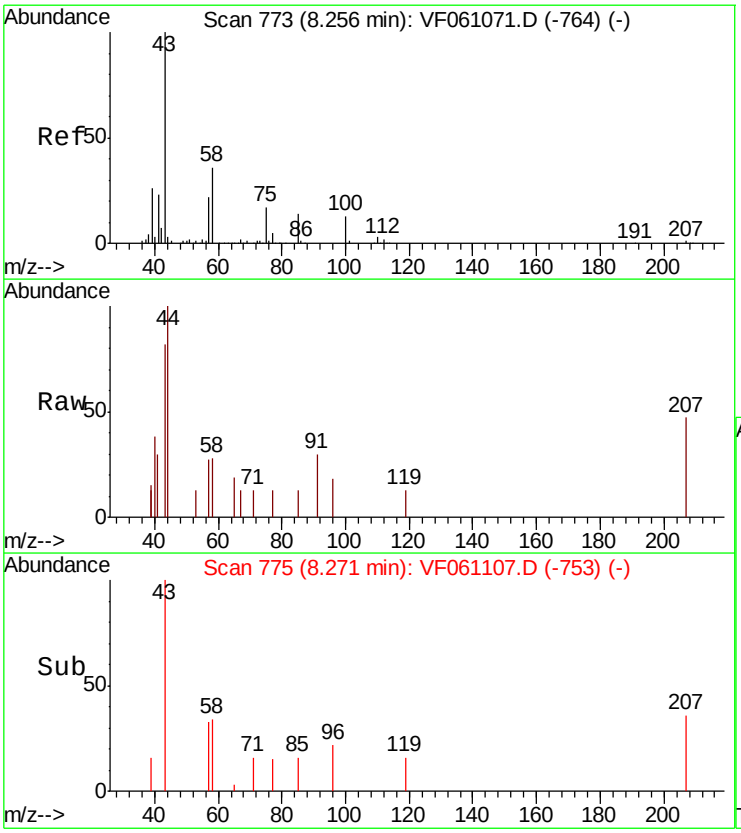
#50
Toluene-d8
Concen: 30.812 ug/l
RT: 7.56 min Scan# 703
Delta R.T. 0.00 min
Lab File: VF061107.D
Acq: 20 Dec 2018 14:47

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 98 Resp: 102810

Ion	Ratio	Lower	Upper
98	100		
100	65.2	55.3	82.9

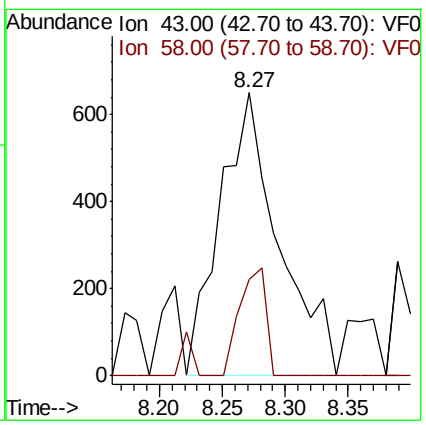


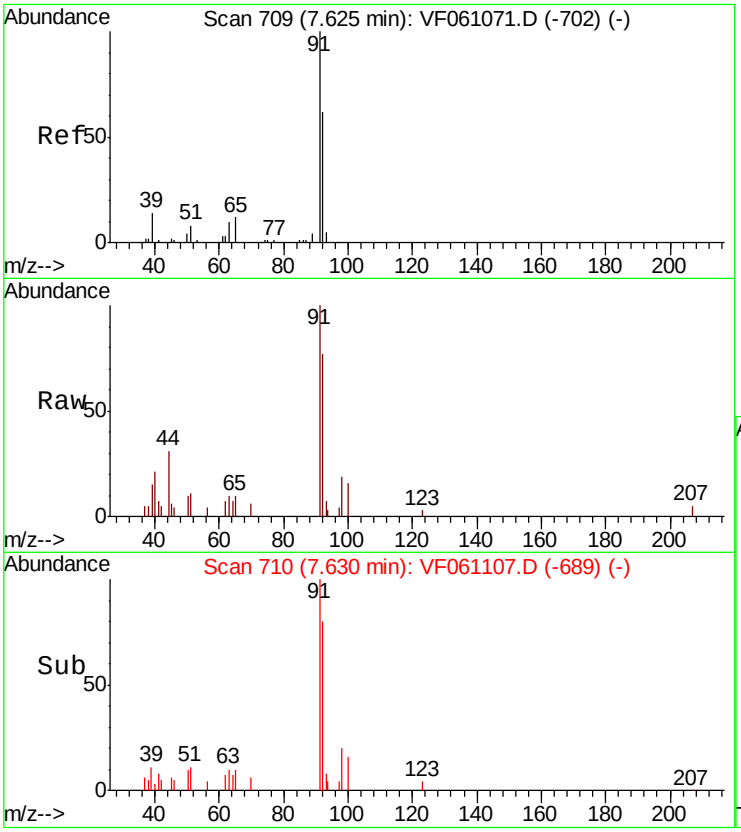


#51
4-Methyl-2-Pentanone
Concen: 3.610 ug/l
RT: 8.27 min Scan# 775
Delta R.T. 0.01 min
Lab File: VF061107.D
Acq: 20 Dec 2018 14:47

Tgt Ion: 43 Resp: 2121

Ion	Ratio	Lower	Upper
43	100		
58	34.0	29.1	43.7



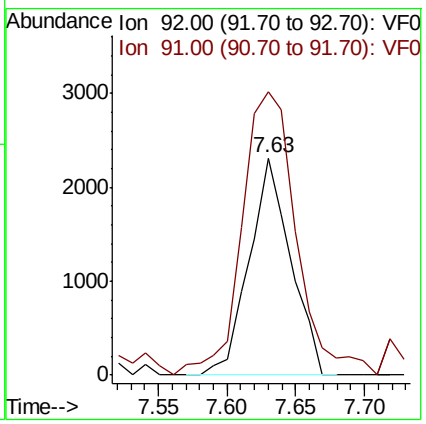


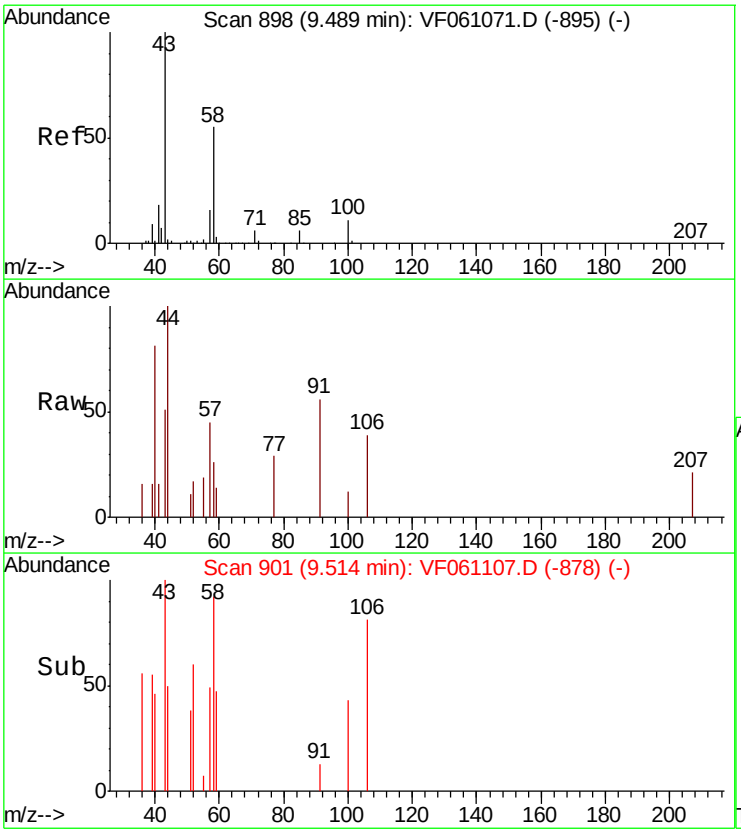
#52
Toluene
Concen: 1.927 ug/l
RT: 7.63 min Scan# 710
Delta R.T. 0.00 min
Lab File: VF061107.D
Acq: 20 Dec 2018 14:47

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 92 Resp: 4867

Ion	Ratio	Lower	Upper
92	100		
91	130.4	128.8	193.2

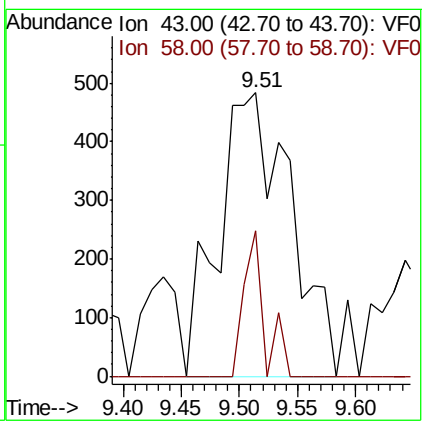


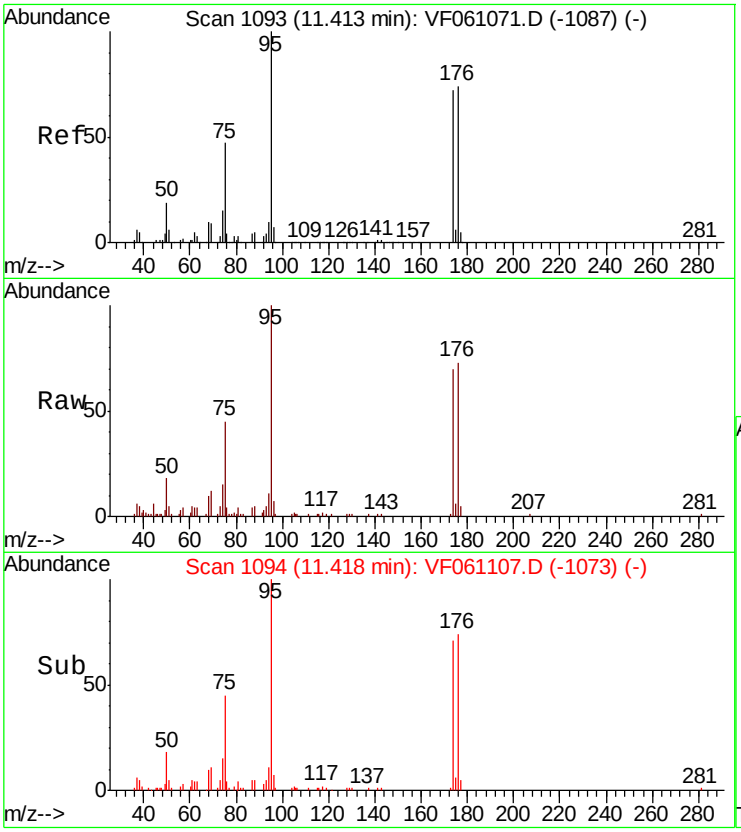


#59
2-Hexanone
Concen: 4.900 ug/l
RT: 9.51 min Scan# 901
Delta R.T. 0.02 min
Lab File: VF061107.D
Acq: 20 Dec 2018 14:47

Tgt Ion: 43 Resp: 2082

Ion	Ratio	Lower	Upper
43	100		
58	51.6	25.1	75.2



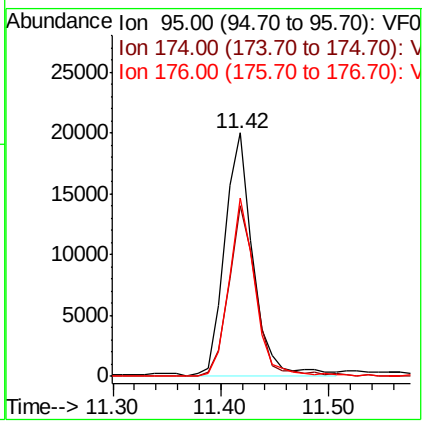


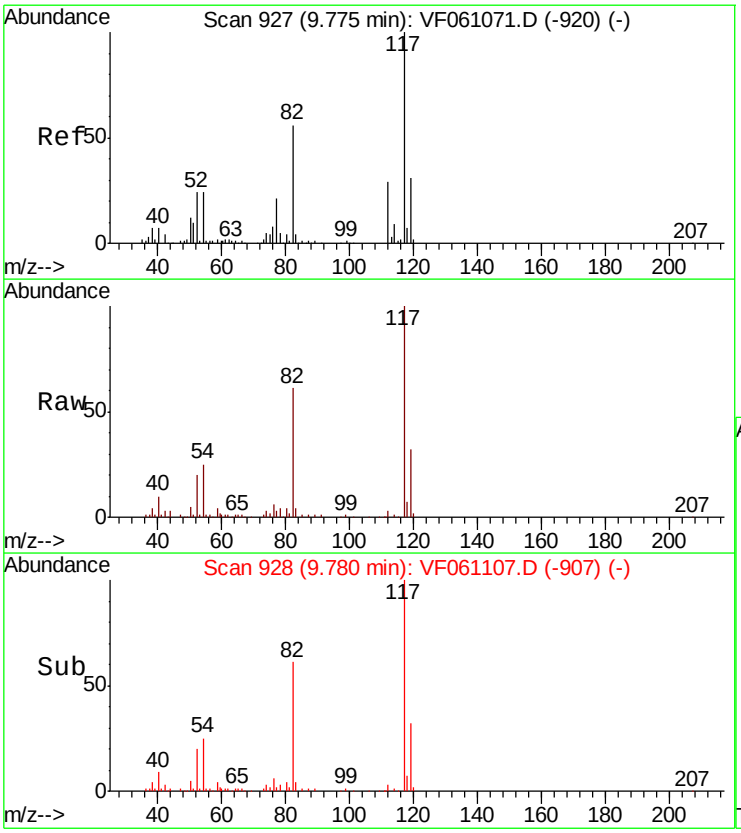
#62
4-Bromofluorobenzene
Concen: 23.906 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VF061107.D
Acq: 20 Dec 2018 14:47

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 95 Resp: 36774

Ion	Ratio	Lower	Upper
95	100		
174	70.0	0.0	143.8
176	73.2	0.0	147.6

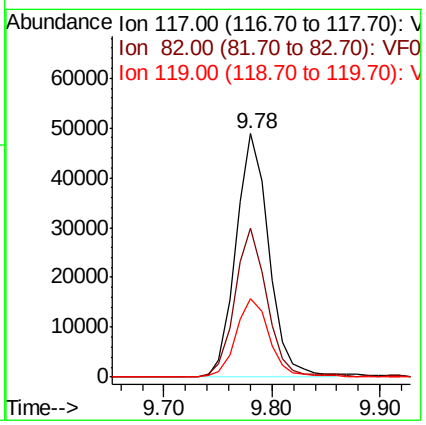


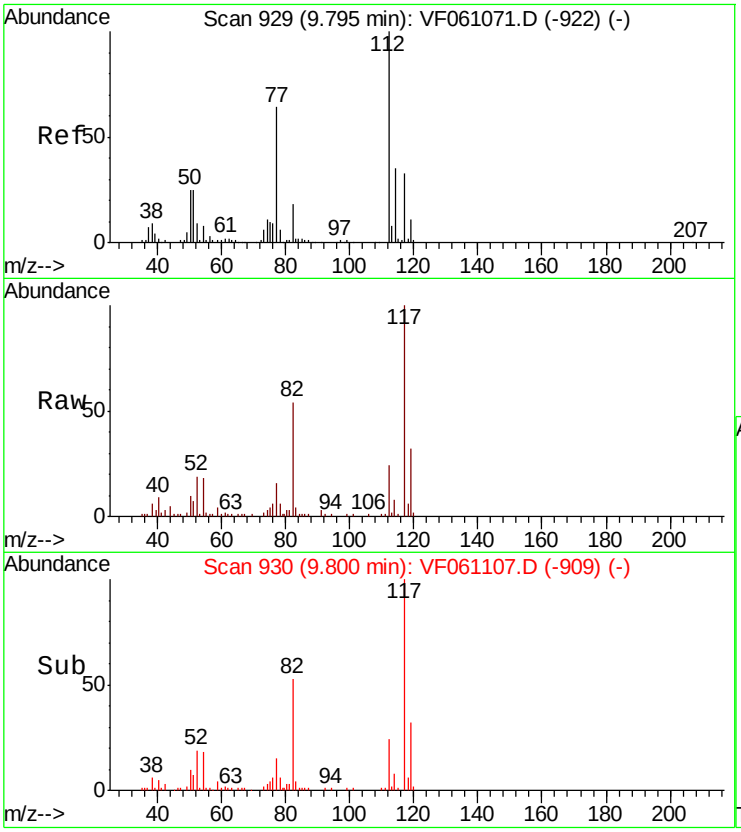


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. 0.00 min
Lab File: VF061107.D
Acq: 20 Dec 2018 14:47

Tgt Ion:117 Resp: 103596

Ion	Ratio	Lower	Upper
117	100		
82	61.1	45.0	67.4
119	32.5	24.8	37.2



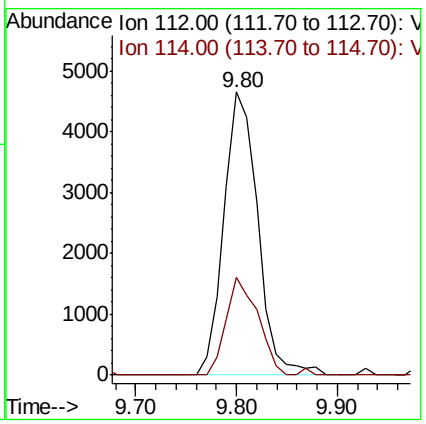


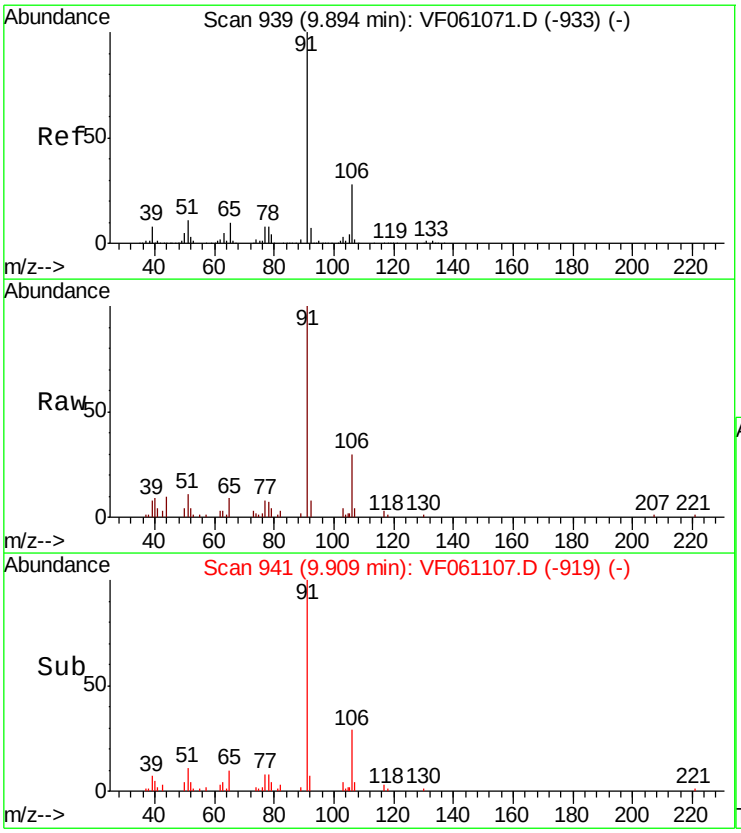
#65
Chlorobenzene
Concen: 5.099 ug/l
RT: 9.80 min Scan# 930
Delta R.T. 0.00 min
Lab File: VF061107.D
Acq: 20 Dec 2018 14:47

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:112 Resp: 10913

Ion	Ratio	Lower	Upper
112	100		
114	34.5	27.8	41.6

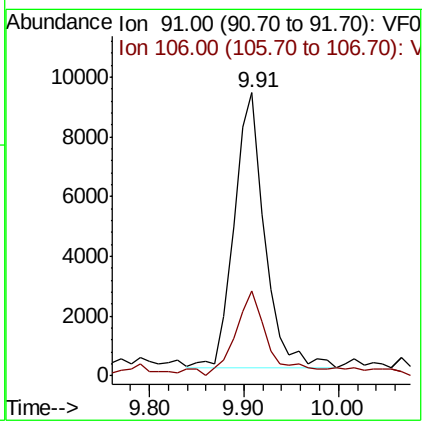


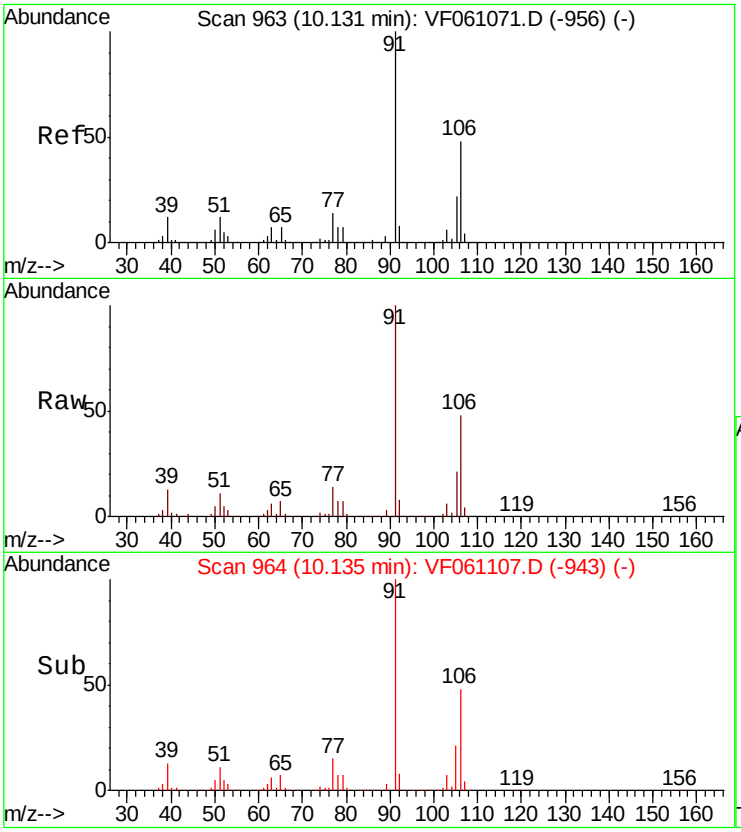


#67
Ethyl Benzene
Concen: 5.236 ug/l
RT: 9.91 min Scan# 941
Delta R.T. 0.01 min
Lab File: VF061107.D
Acq: 20 Dec 2018 14:47

Tgt Ion: 91 Resp: 20413

Ion	Ratio	Lower	Upper
91	100		
106	30.0	22.5	33.7



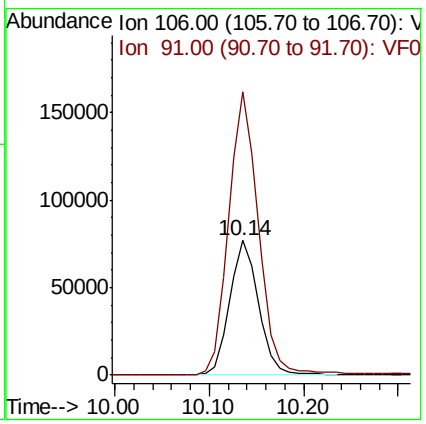


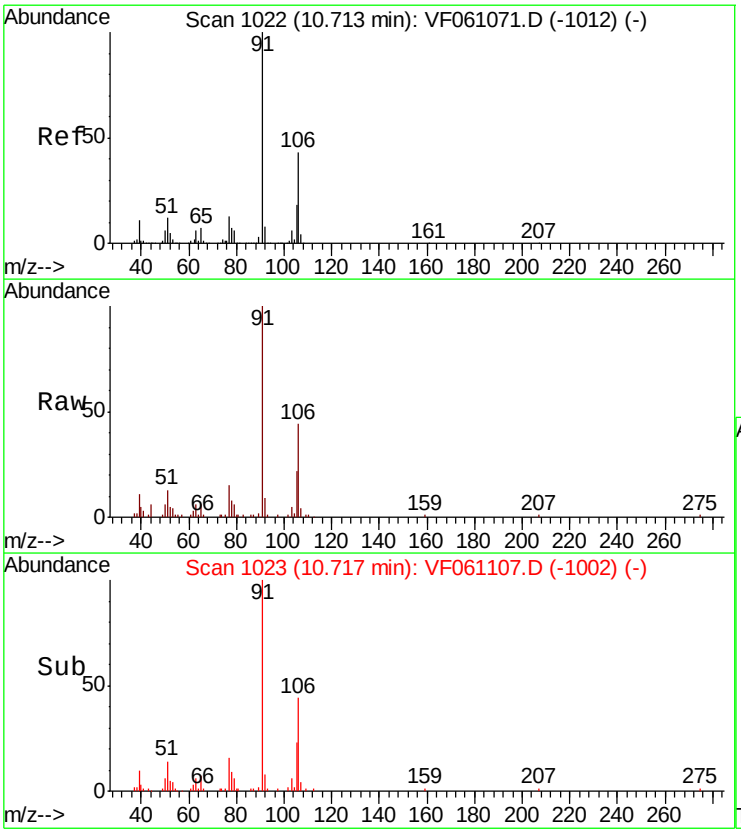
#68
m/p-Xylenes
Concen: 119.628 ug/l
RT: 10.14 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF061107.D
Acq: 20 Dec 2018 14:47

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:106 Resp: 164146

Ion	Ratio	Lower	Upper
106	100		
91	210.1	168.2	252.2

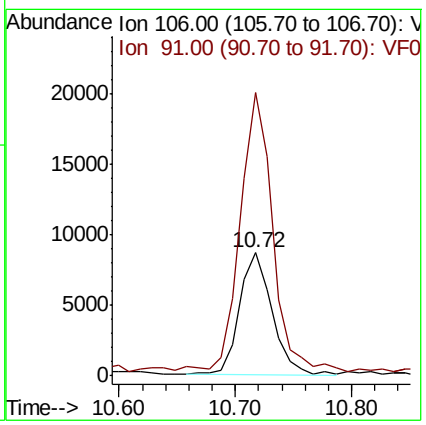


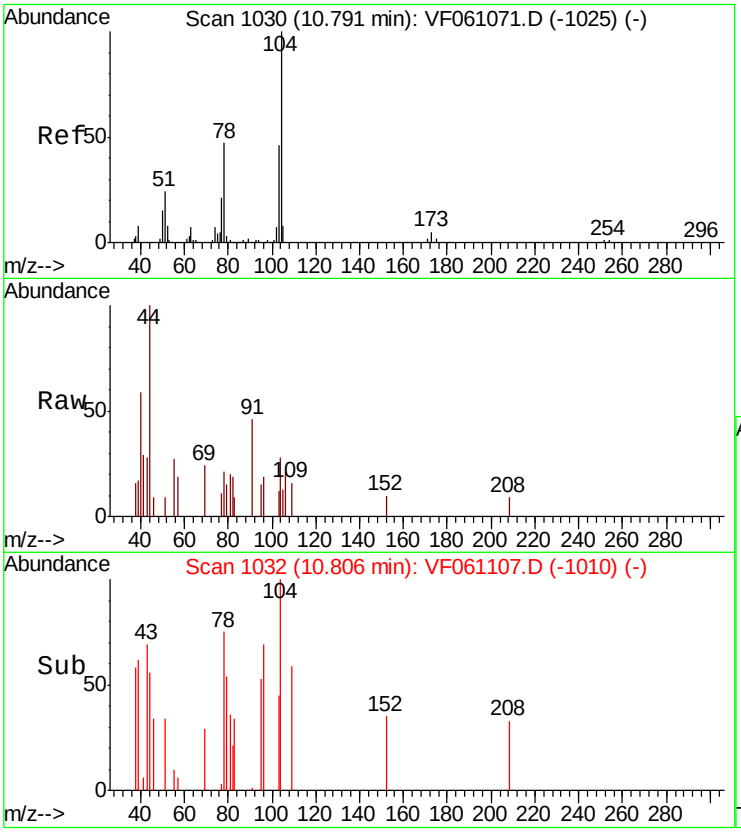


#69
o-Xylene
Concen: 11.114 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. 0.00 min
Lab File: VF061107.D
Acq: 20 Dec 2018 14:47

Tgt Ion:106 Resp: 16913

Ion	Ratio	Lower	Upper
106	100		
91	229.5	115.9	347.7



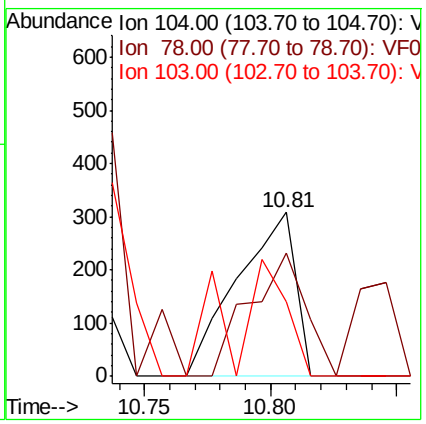


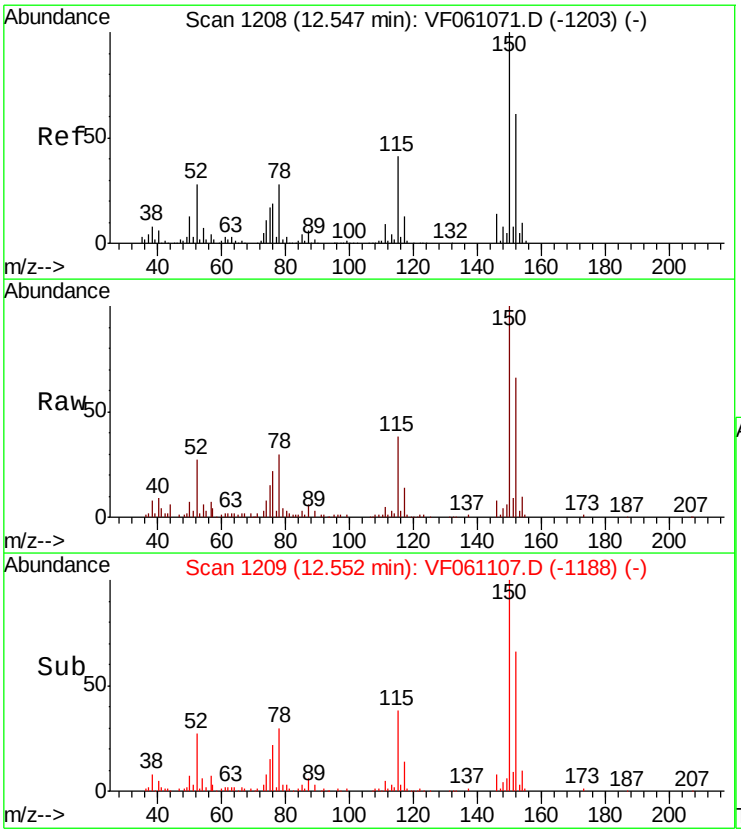
#70
Stvrene
Concen: Below Cal
RT: 10.81 min Scan# 1032
Delta R.T. 0.02 min
Lab File: VF061107.D
Acq: 20 Dec 2018 14:47

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:104 Resp: 498

Ion	Ratio	Lower	Upper
104	100		
78	75.0	38.4	57.6#
103	45.1	37.0	55.6

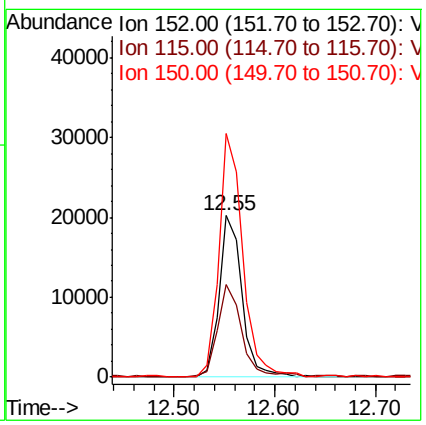


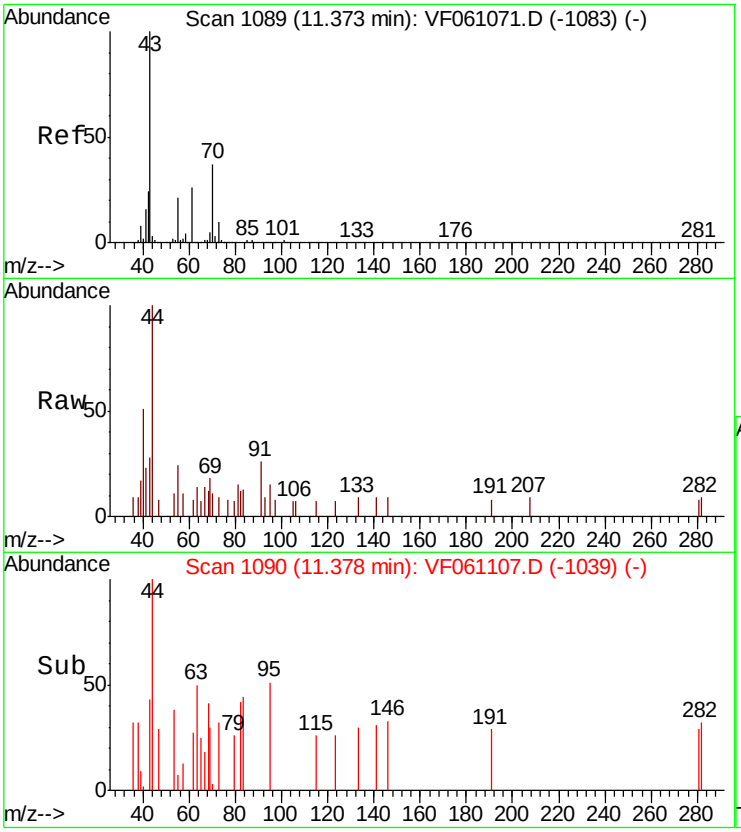


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. 0.00 min
Lab File: VF061107.D
Acq: 20 Dec 2018 14:47

Tgt Ion:152 Resp: 32100

Ion	Ratio	Lower	Upper
152	100		
115	57.4	33.3	99.9
150	150.9	0.0	328.2



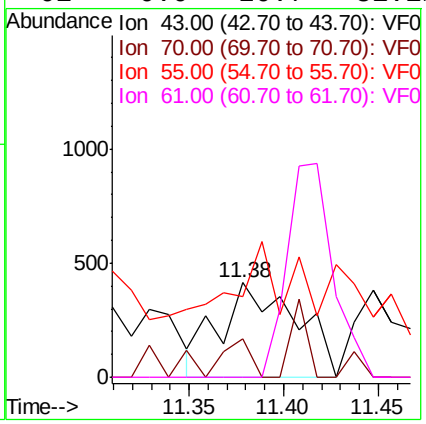


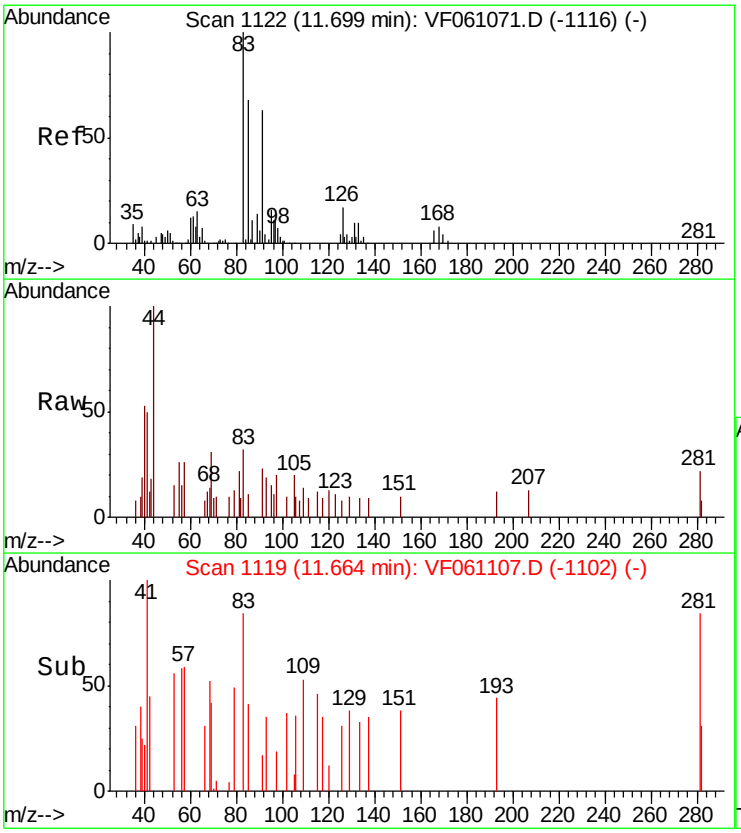
#74
N-amyl acetate
Concen: 1.882 ug/l
RT: 11.38 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VF061107.D
Acq: 20 Dec 2018 14:47

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 1156

Ion	Ratio	Lower	Upper
43	100		
70	40.4	29.2	43.8
55	85.7	16.5	24.7#
61	0.0	20.7	31.1#

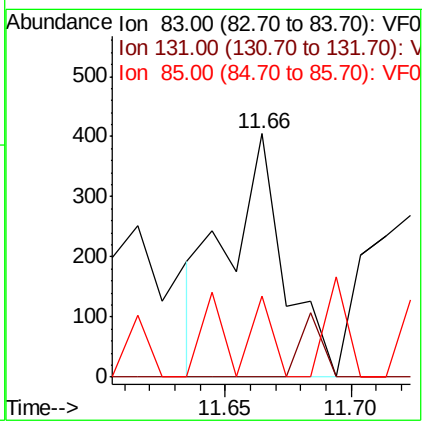


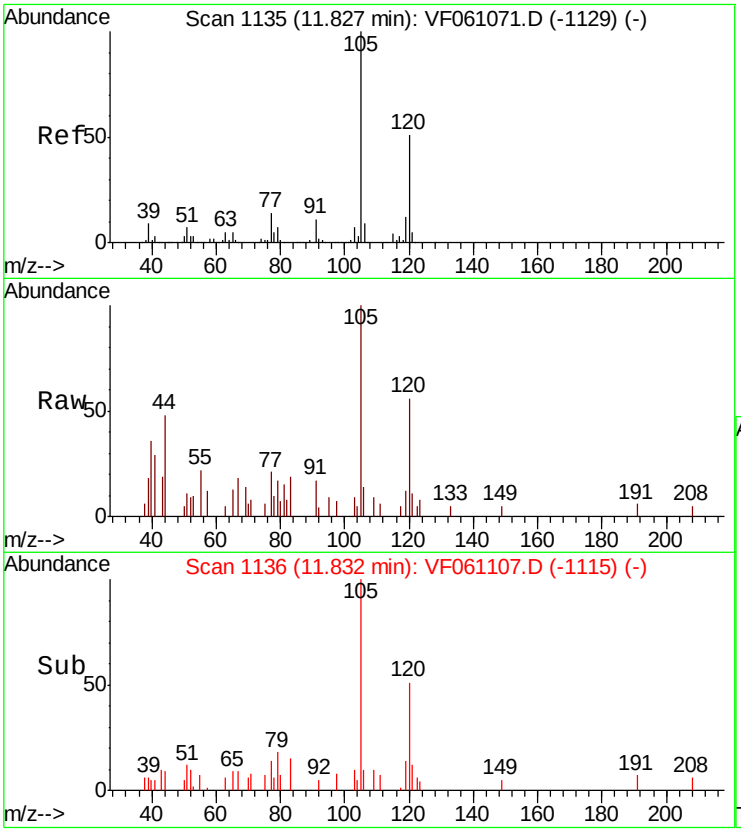


#75
1,1,2,2-Tetrachloroethane
Concen: 1.379 ug/l
RT: 11.66 min Scan# 1119
Delta R.T. -0.03 min
Lab File: VF061107.D
Acq: 20 Dec 2018 14:47

Tgt Ion: 83 Resp: 633

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.8	14.3#
85	33.1	33.9	101.6#



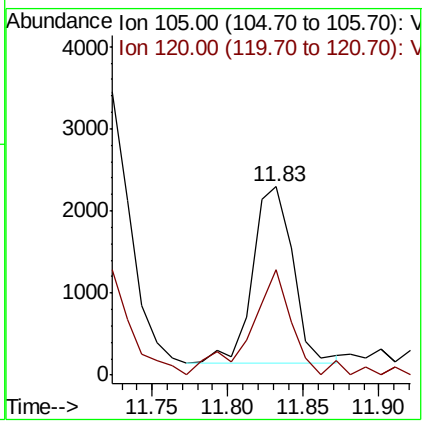


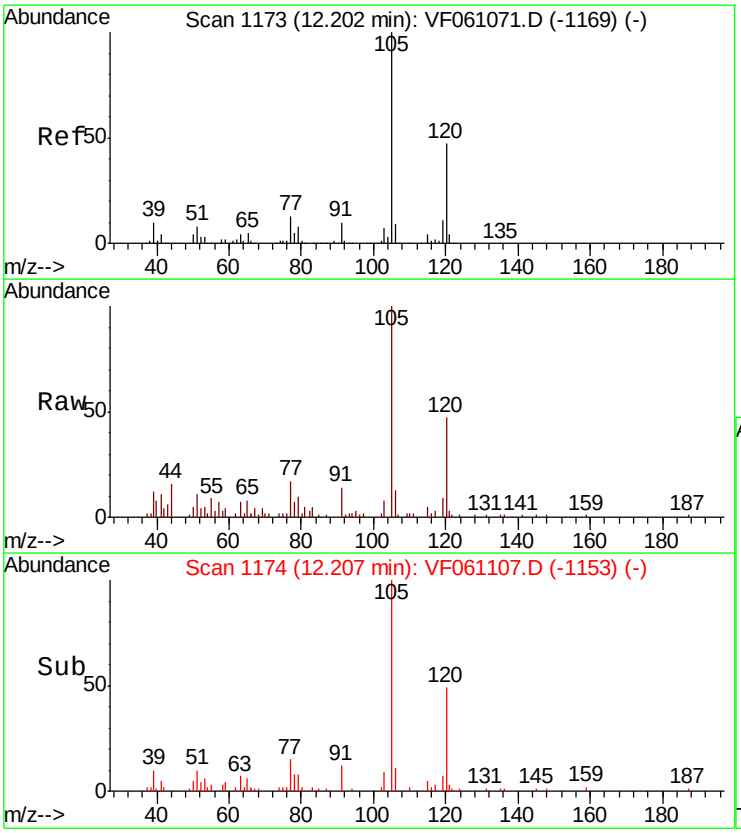
#80
1,3,5-Trimethylbenzene
Concen: 1.767 ug/l
RT: 11.83 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VF061107.D
Acq: 20 Dec 2018 14:47

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:105 Resp: 4025

Ion	Ratio	Lower	Upper
105	100		
120	56.0	25.4	76.4

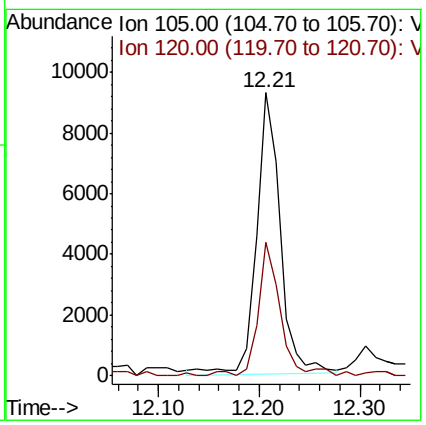


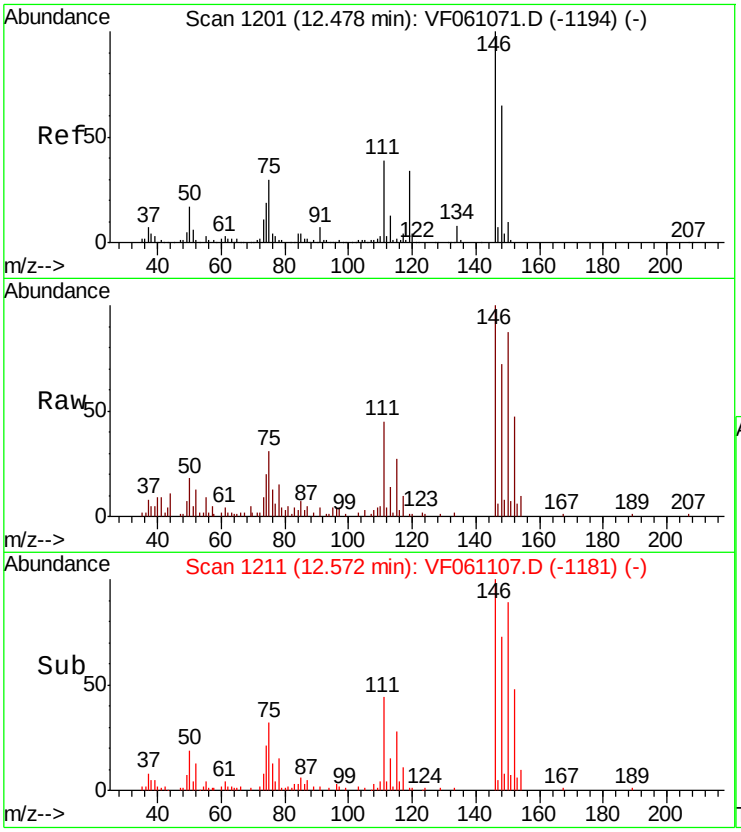


#84
1,2,4-Trimethylbenzene
Concen: 6.690 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VF061107.D
Acq: 20 Dec 2018 14:47

Tgt Ion:105 Resp: 15196

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.6	71.0



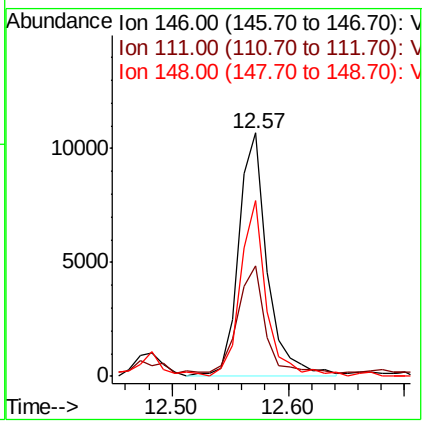


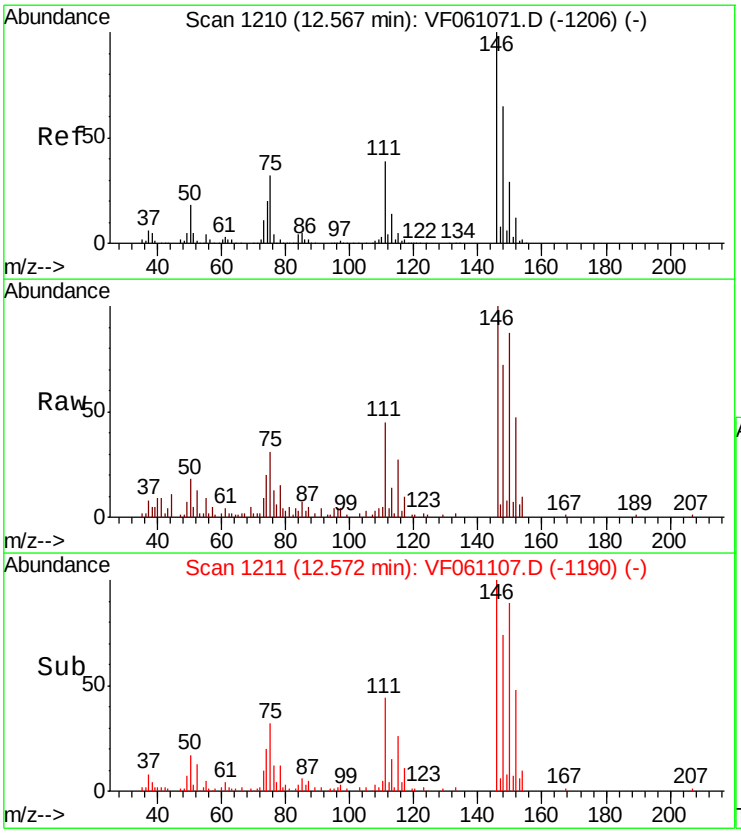
#87
1,3-Dichlorobenzene
Concen: 14.983 ug/l
RT: 12.57 min Scan# 1211
Delta R.T. 0.09 min
Lab File: VF061107.D
Acq: 20 Dec 2018 14:47

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion:146 Resp: 18221

Ion	Ratio	Lower	Upper
146	100		
111	45.4	19.3	57.9
148	72.4	32.4	97.2

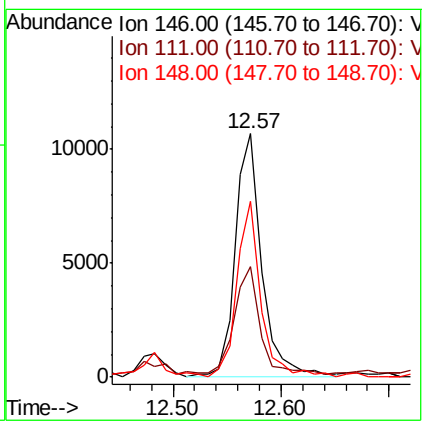


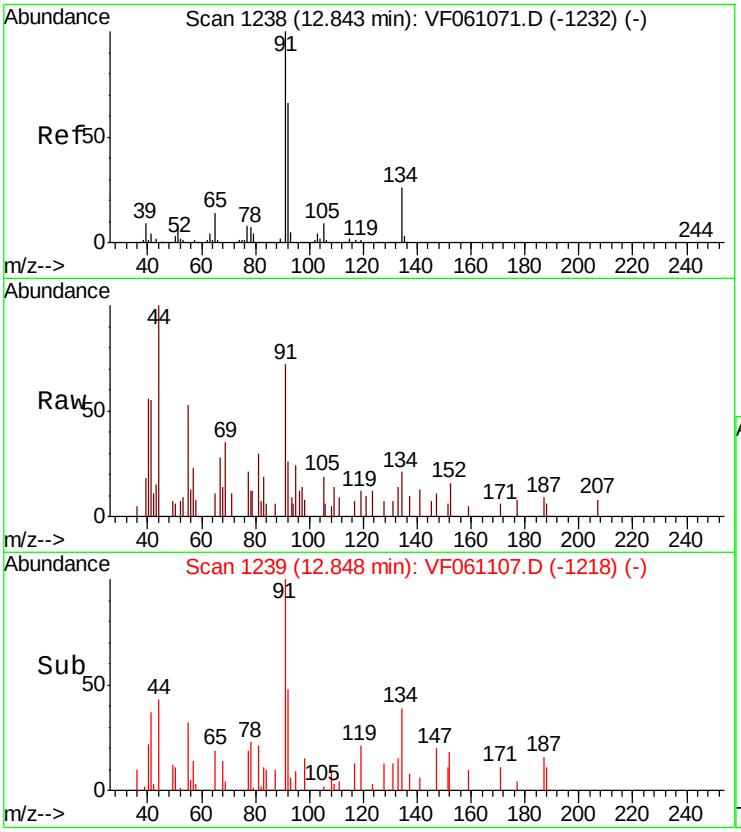


#88
1,4-Dichlorobenzene
Concen: 16.742 ug/l
RT: 12.57 min Scan# 1211
Delta R.T. 0.00 min
Lab File: VF061107.D
Acq: 20 Dec 2018 14:47

Tgt Ion:146 Resp: 18306

Ion	Ratio	Lower	Upper
146	100		
111	45.4	19.4	58.4
148	72.4	32.4	97.0



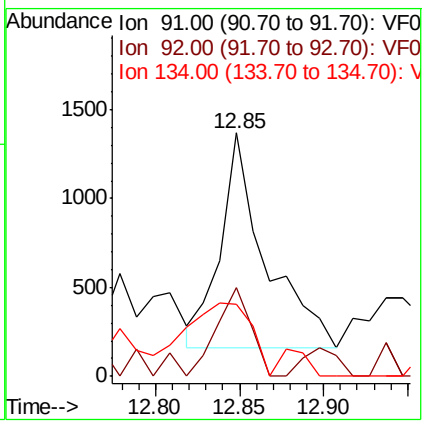


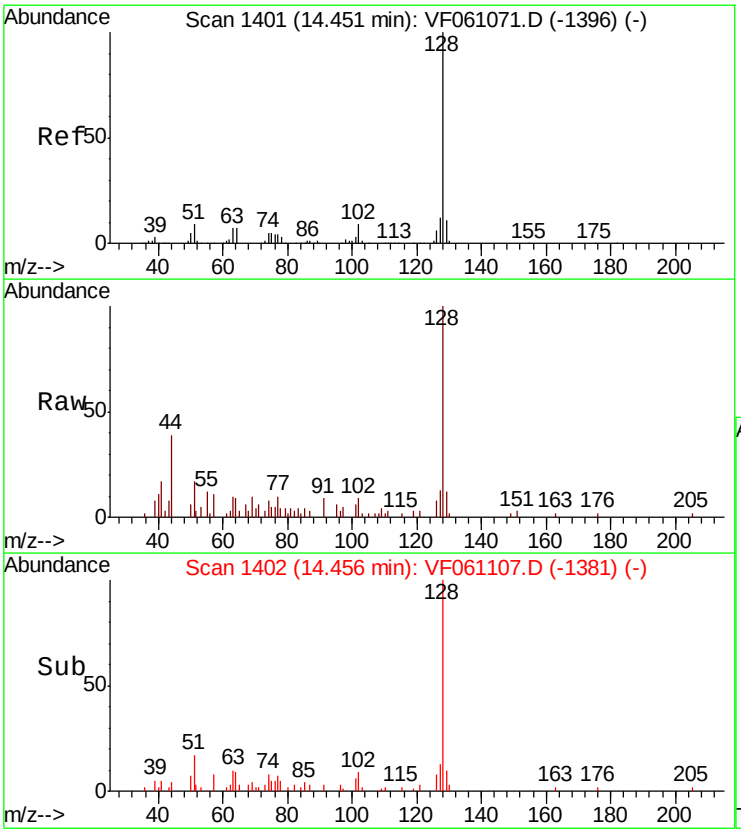
#89
n-Butylbenzene
Concen: 1.008 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VF061107.D
Acq: 20 Dec 2018 14:47

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 91 Resp: 2226

Ion	Ratio	Lower	Upper
91	100		
92	36.4	32.8	98.4
134	29.4	13.2	39.5





#95
Naphthalene
Concen: 7.872 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. 0.00 min
Lab File: VF061107.D
Acq: 20 Dec 2018 14:47

Tgt Ion:128 Resp: 10853

Ion	Ratio	Lower	Upper
128	100		
127	13.1	9.4	14.2
129	12.2	8.8	13.2