Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF112018\
Data File : VF060819.D
Acq On : 20 Nov 2018 22:59
Operator : VA/AP
Sample : J5981-06
Misc : 4.99g/5mL/MSVOA-F/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId :

Quant Time: Nov 21 02:53:15 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 14 03:11:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	215124	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.60	114	369511	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.78	117	291438	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	140490	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	110277	44.94	ug/l	0.00
Spiked Amount 50.000			Recovery = 89.88%			
35) Dibromofluoromethane	4.12	113	131348	47.29	ug/l	0.00
Spiked Amount 50.000			Recovery = 94.58%			
50) Toluene-d8	7.56	98	318423	44.25	ug/l	0.00
Spiked Amount 50.000			Recovery = 88.50%			
62) 4-Bromofluorobenzene	11.41	95	139208	41.68	ug/l	0.00
Spiked Amount 50.000			Recovery = 83.36%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.58	59	385	3.448	ug/l #	67
13) Acrolein	1.92	56	440	4.309	ug/l	88
15) Acrylonitrile	2.95	53	1976	8.304	ug/l #	66
16) Acetone	2.24	43	24359	46.445	ug/l	98
17) Carbon Disulfide	1.83	76	9059	1.708	ug/l	95
18) Methyl Acetate	2.35	43	2316	2.689	ug/l #	92
20) Methylene Chloride	2.19	84	4834	Below Cal	#	90
25) 2-Butanone	4.33	43	9559	11.081	ug/l #	74
29) Tetrahydrofuran	4.08	42	2267	6.371	ug/l #	61
37) Ethyl Acetate	4.11	43	2210	1.387	ug/l #	1
41) Methacrylonitrile	4.76	41	940	Below Cal	#	63
43) Isopropyl Acetate	6.97	43	5148	2.437	ug/l #	79
48) Methyl methacrylate	6.73	41	1914	1.369	ug/l	90
49) 1,4-Dioxane	6.75	88	128	9.790	ug/l #	2
51) 4-Methyl-2-Pentanone	8.27	43	19228	12.585	ug/l	98
56) Ethyl methacrylate	8.63	69	5532	2.663	ug/l #	90
59) 2-Hexanone	9.50	43	41833	38.962	ug/l	97
74) N-amyl acetate	11.38	43	25743	10.000	ug/l #	88
95) Naphthalene	14.46	128	24915	4.307	ug/l	97

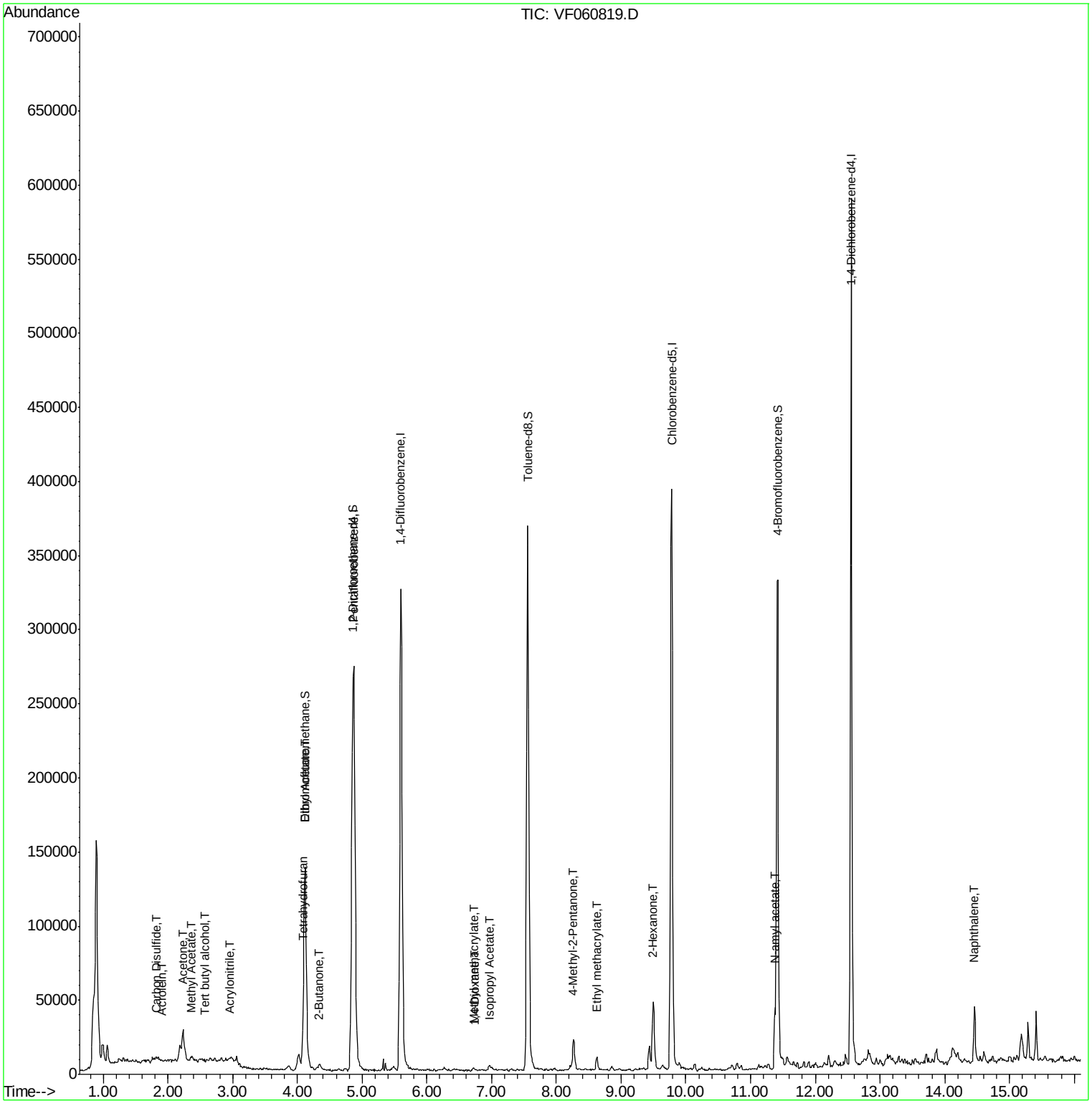
(#) = qualifier out of range (m) = manual integration (+) = signals summed

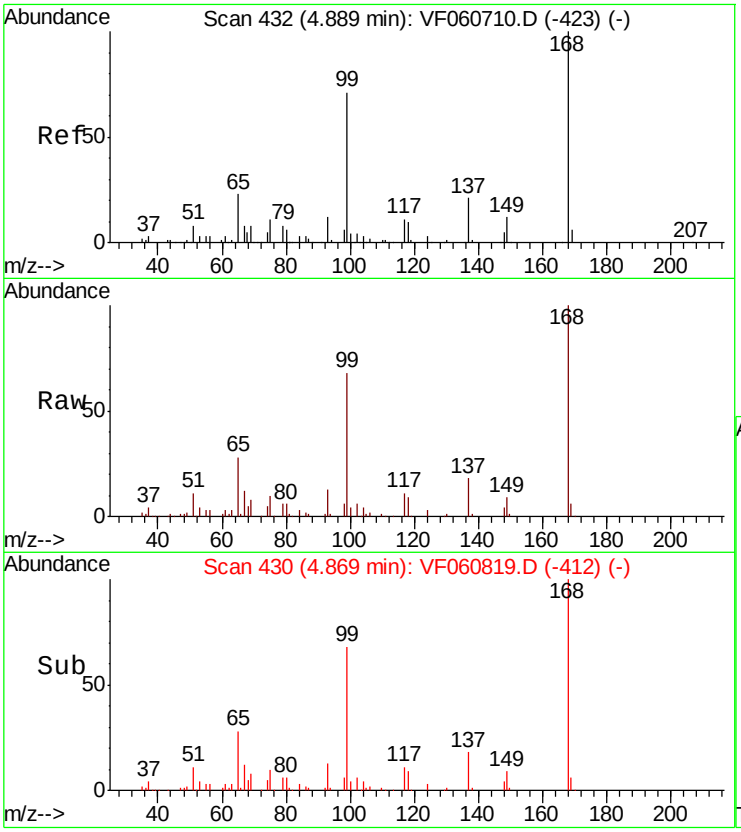
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112018\
Data File : VF060819.D
Acq On : 20 Nov 2018 22:59
Operator : VA/AP
Sample : J5981-06
Misc : 4.99g/5mL/MSVOA-F/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Nov 21 02:53:15 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 14 03:11:14 2018
Response via : Initial Calibration



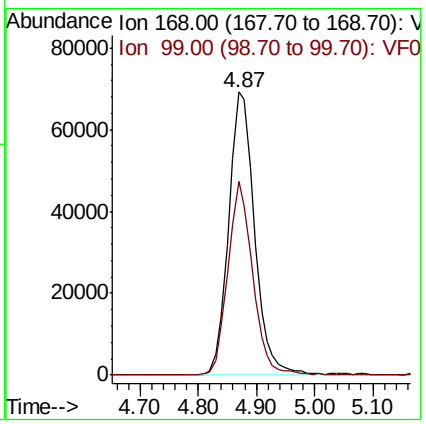


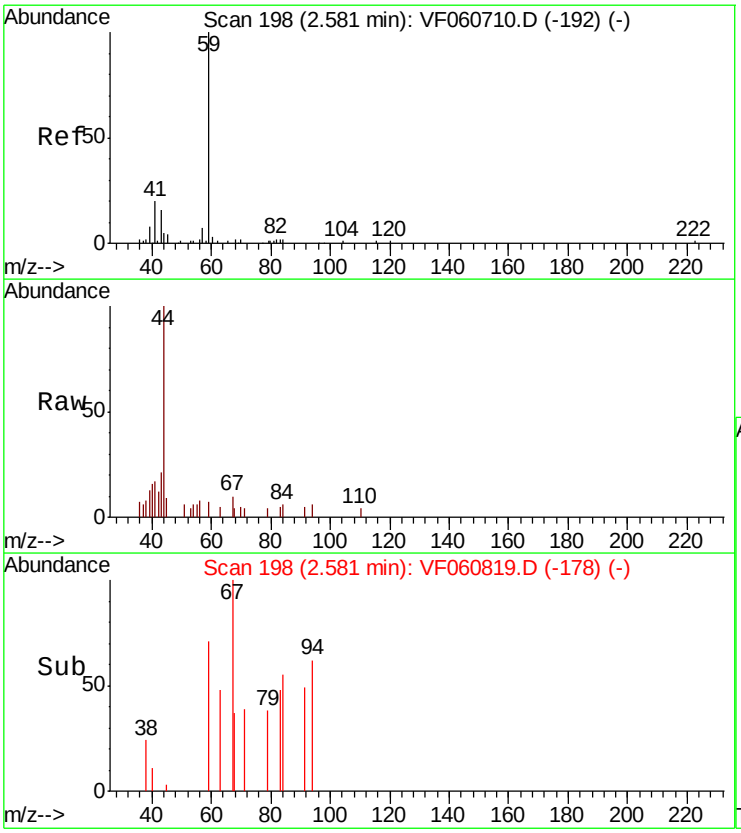
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.87 min Scan# 430
Delta R.T. -0.02 min
Lab File: VF060819.D
Acq: 20 Nov 2018 22:59

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:168 Resp: 215124

Ion	Ratio	Lower	Upper
168	100		
99	68.3	57.2	85.8

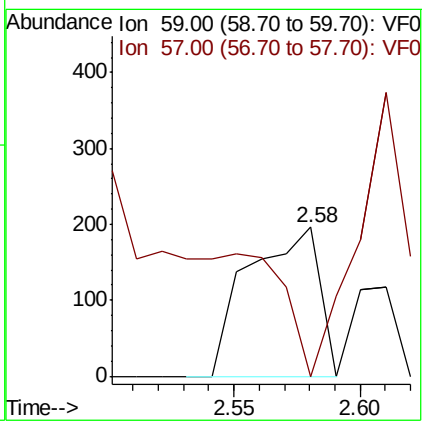


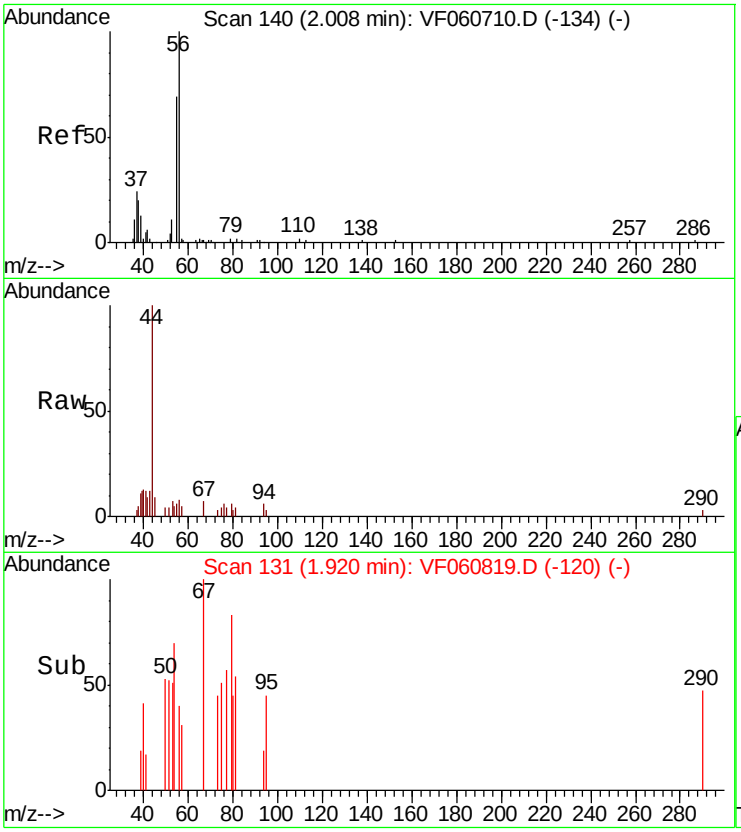


#11
Tert butyl alcohol
Concen: 3.448 ug/l
RT: 2.58 min Scan# 198
Delta R.T. 0.00 min
Lab File: VF060819.D
Acq: 20 Nov 2018 22:59

Tgt Ion: 59 Resp: 385

Ion	Ratio	Lower	Upper
59	100		
57	0.0	10.5	15.7#



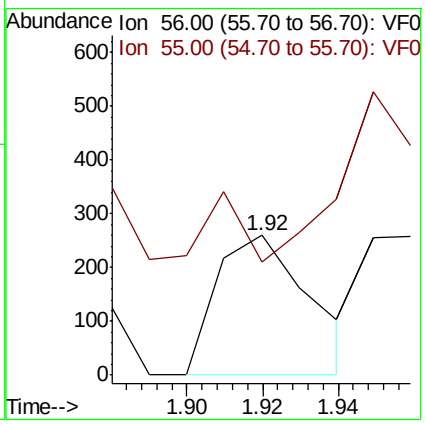


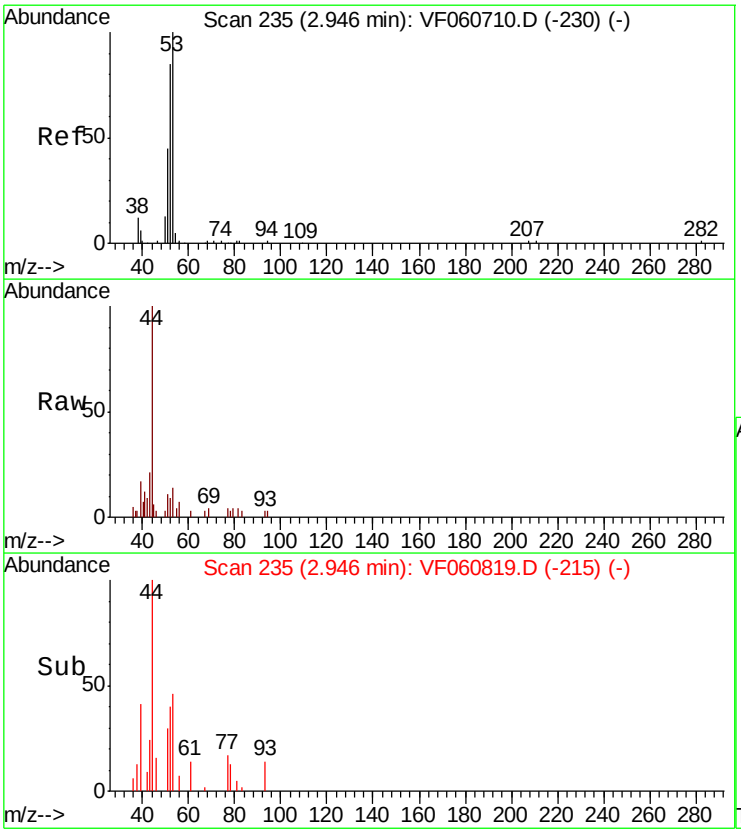
#13
Acrolein
Concen: 4.309 ug/l
RT: 1.92 min Scan# 131
Delta R.T. -0.09 min
Lab File: VF060819.D
Acq: 20 Nov 2018 22:59

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 56 Resp: 440

Ion	Ratio	Lower	Upper
56	100		
55	80.8	56.6	85.0

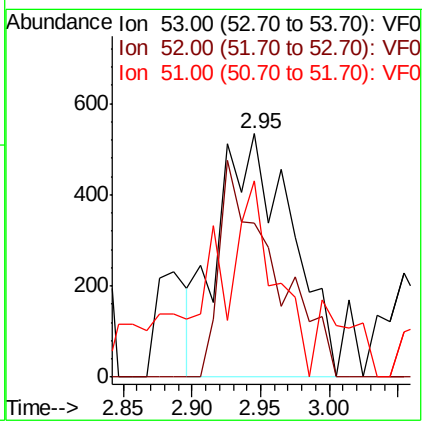


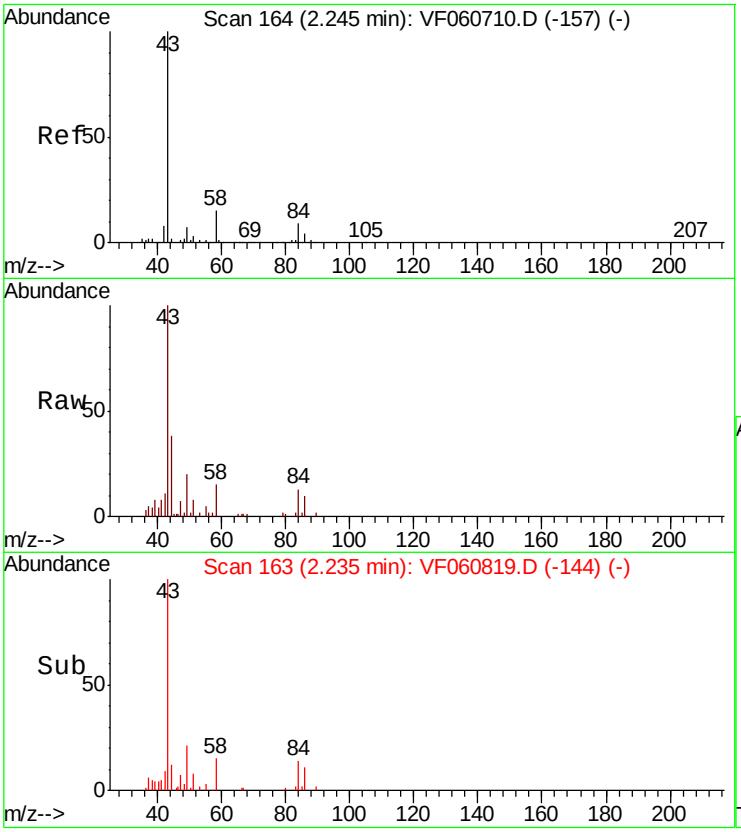


#15
Acrylonitrile
Concen: 8.304 ug/l
RT: 2.95 min Scan# 235
Delta R.T. 0.00 min
Lab File: VF060819.D
Acq: 20 Nov 2018 22:59

Tgt Ion: 53 Resp: 1976

Ion	Ratio	Lower	Upper
53	100		
52	63.5	68.8	103.2#
51	80.7	36.7	55.1#



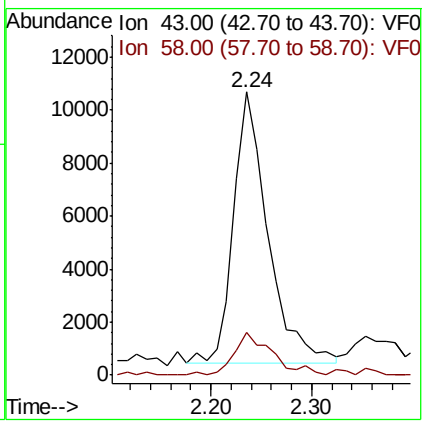


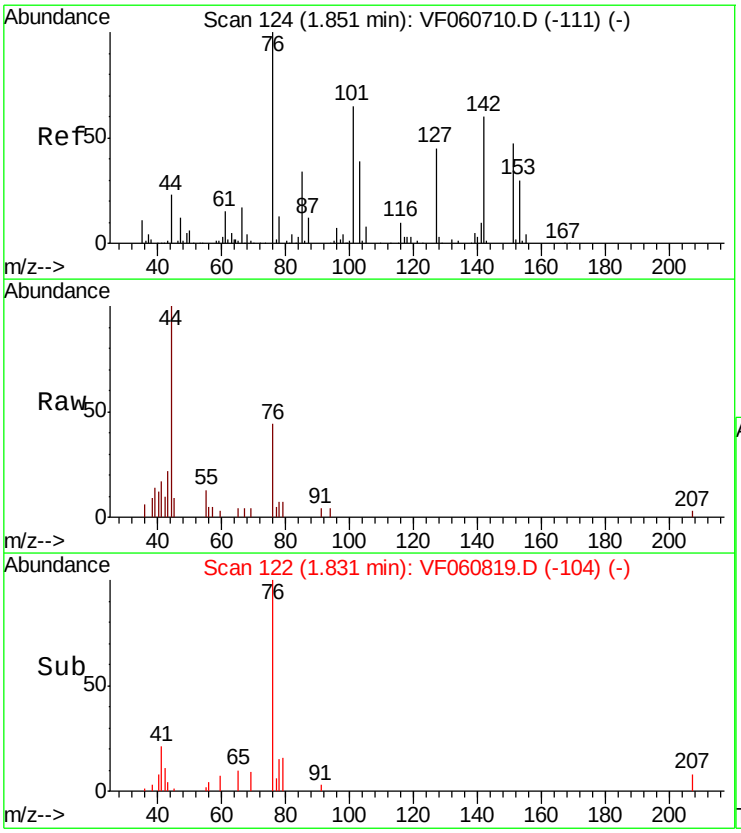
#16
Acetone
Concen: 46.445 ug/l
RT: 2.24 min Scan# 163
Delta R.T. -0.01 min
Lab File: VF060819.D
Acq: 20 Nov 2018 22:59

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 24359

Ion	Ratio	Lower	Upper
43	100		
58	15.2	11.6	17.4

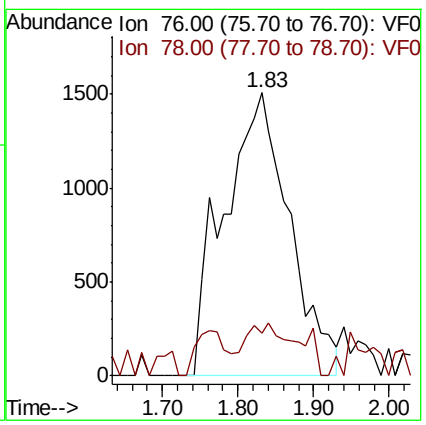


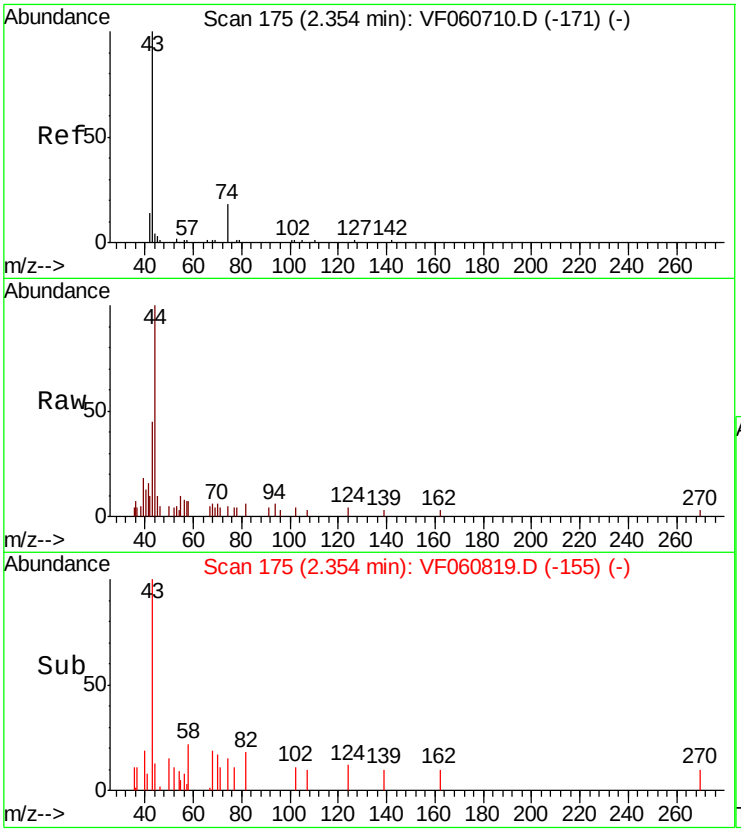


#17
Carbon Disulfide
Concen: 1.708 ug/l
RT: 1.83 min Scan# 122
Delta R.T. -0.02 min
Lab File: VF060819.D
Acq: 20 Nov 2018 22:59

Tgt Ion: 76 Resp: 9059

Ion	Ratio	Lower	Upper
76	100		
78	14.9	10.5	15.7



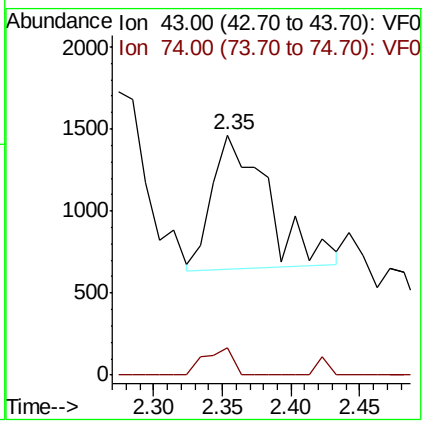


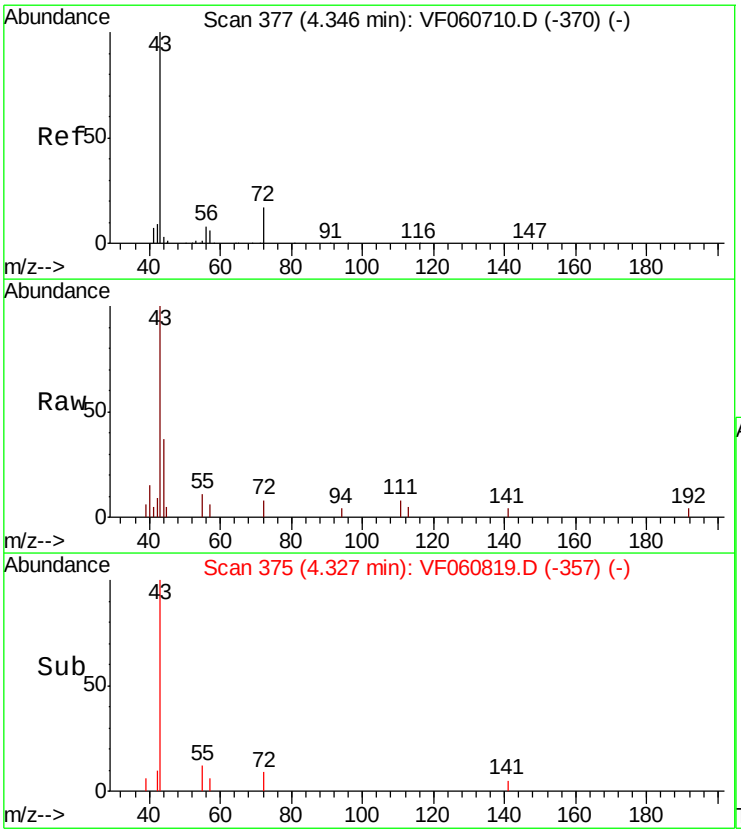
#18
Methyl Acetate
Concen: 2.689 ug/l
RT: 2.35 min Scan# 175
Delta R.T. 0.00 min
Lab File: VF060819.D
Acq: 20 Nov 2018 22:59

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 2316

Ion	Ratio	Lower	Upper
43	100		
74	11.3	11.8	17.8#

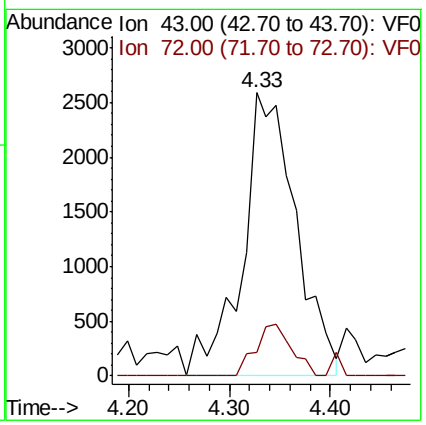


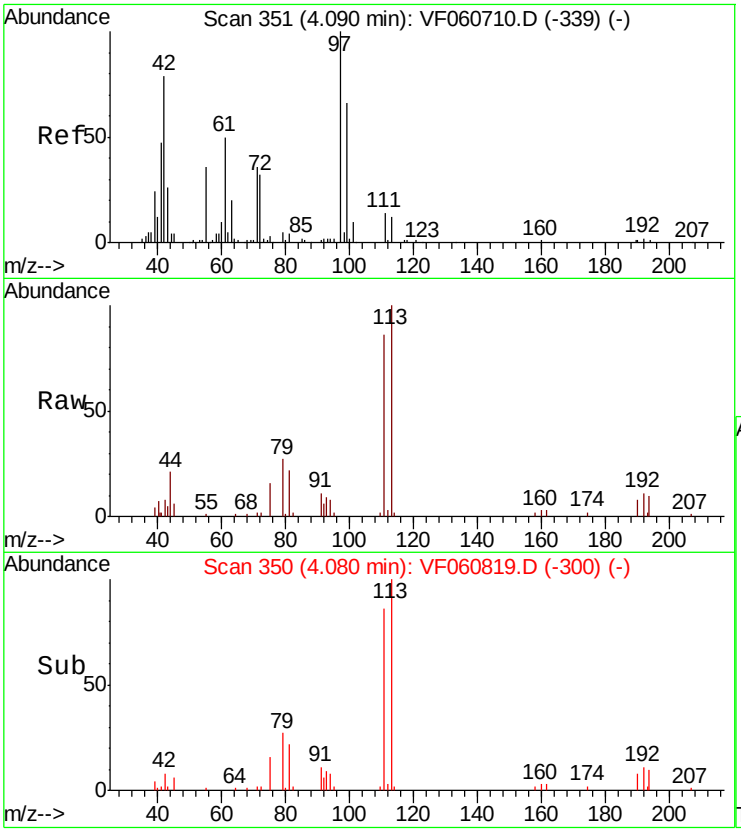


#25
2-Butanone
Concen: 11.081 ug/l
RT: 4.33 min Scan# 375
Delta R.T. -0.02 min
Lab File: VF060819.D
Acq: 20 Nov 2018 22:59

Tgt Ion: 43 Resp: 9559

Ion	Ratio	Lower	Upper
43	100		
72	8.2	16.1	24.1#



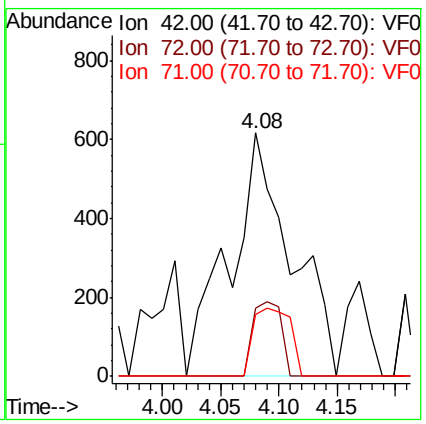


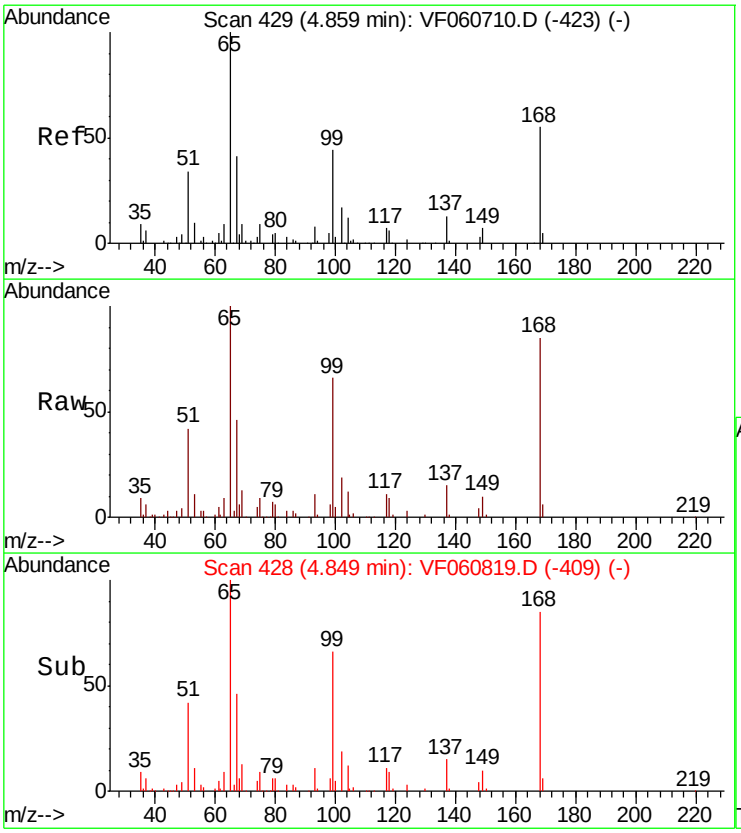
#29
Tetrahydrofuran
Concen: 6.371 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.01 min
Lab File: VF060819.D
Acq: 20 Nov 2018 22:59

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 42 Resp: 2267

Ion	Ratio	Lower	Upper
42	100		
72	14.1	30.3	45.5#
71	16.7	32.2	48.2#

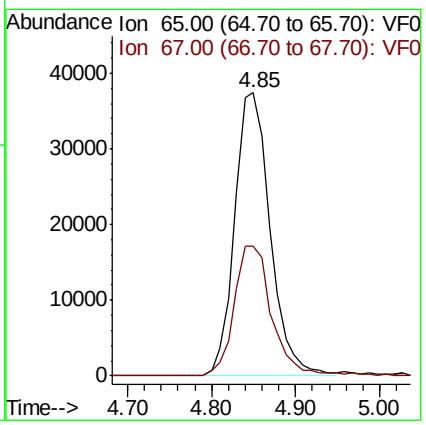


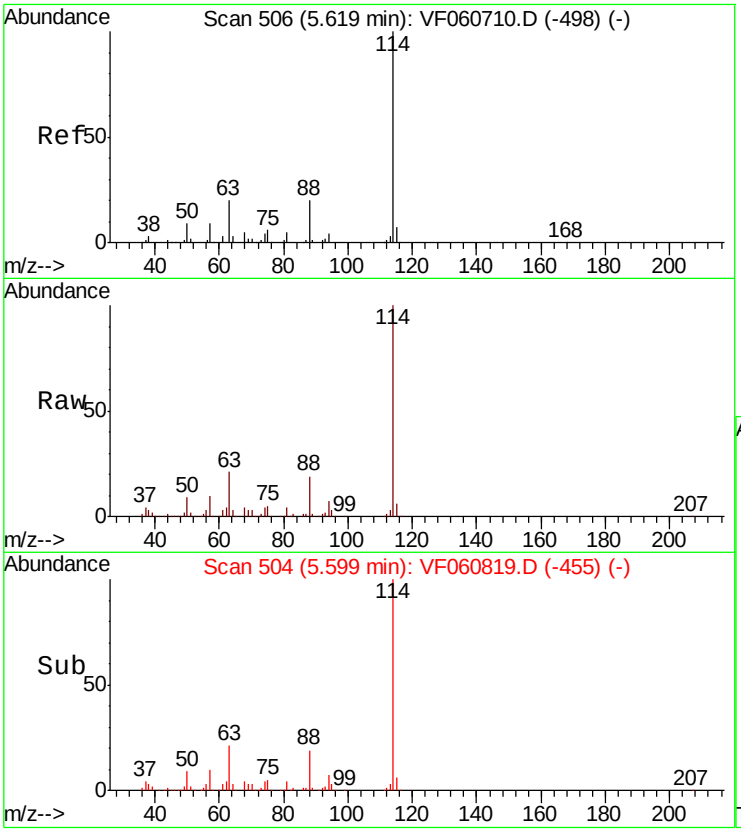


#33
1,2-Dichloroethane-d4
Concen: 44.942 ug/l
RT: 4.85 min Scan# 428
Delta R.T. -0.01 min
Lab File: VF060819.D
Acq: 20 Nov 2018 22:59

Tgt Ion: 65 Resp: 110277

Ion	Ratio	Lower	Upper
65	100		
67	46.1	0.0	90.2



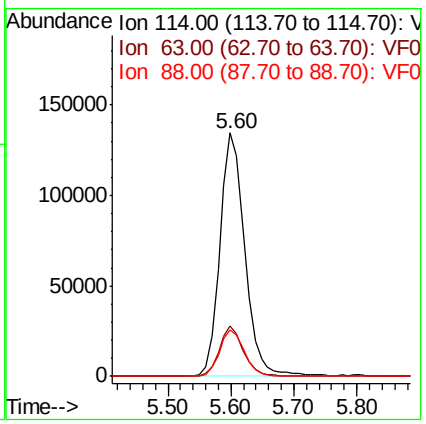


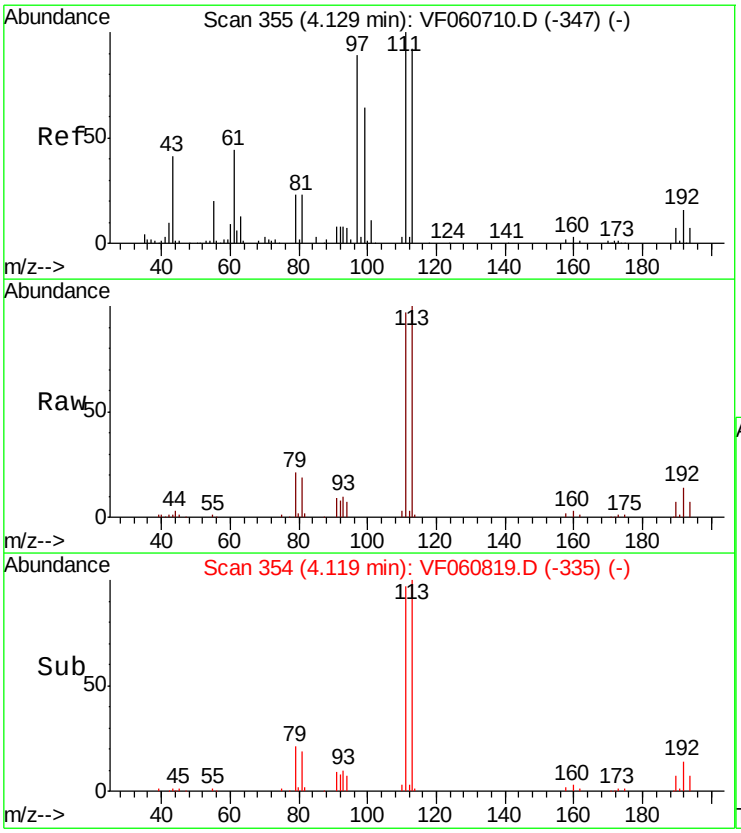
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.60 min Scan# 504
Delta R.T. -0.02 min
Lab File: VF060819.D
Acq: 20 Nov 2018 22:59

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:114 Resp: 369511

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.8
88	19.1	0.0	39.6

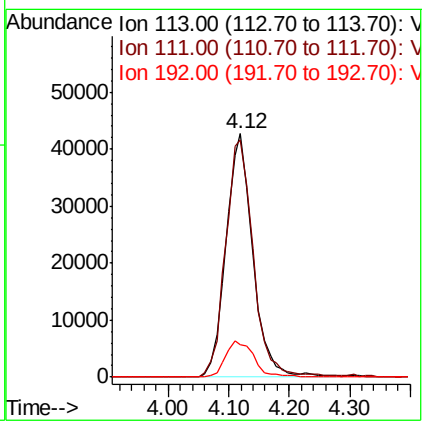


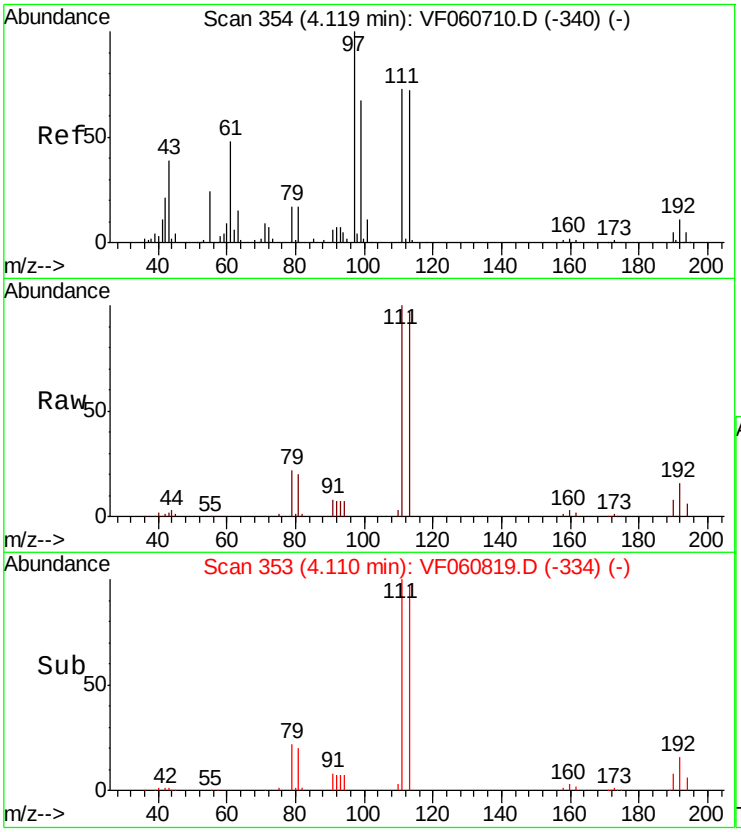


#35
Dibromofluoromethane
Concen: 47.289 ug/l
RT: 4.12 min Scan# 354
Delta R.T. -0.01 min
Lab File: VF060819.D
Acq: 20 Nov 2018 22:59

Tgt Ion:113 Resp: 131348

Ion	Ratio	Lower	Upper
113	100		
111	97.2	87.1	130.7
192	13.5	13.8	20.6#



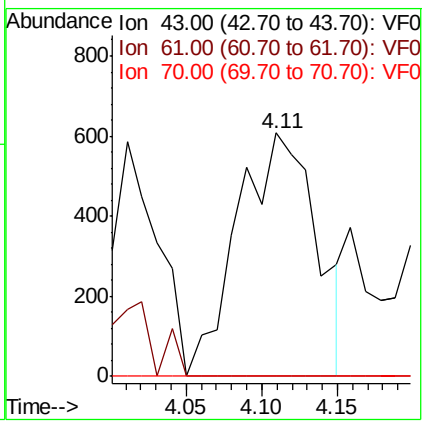


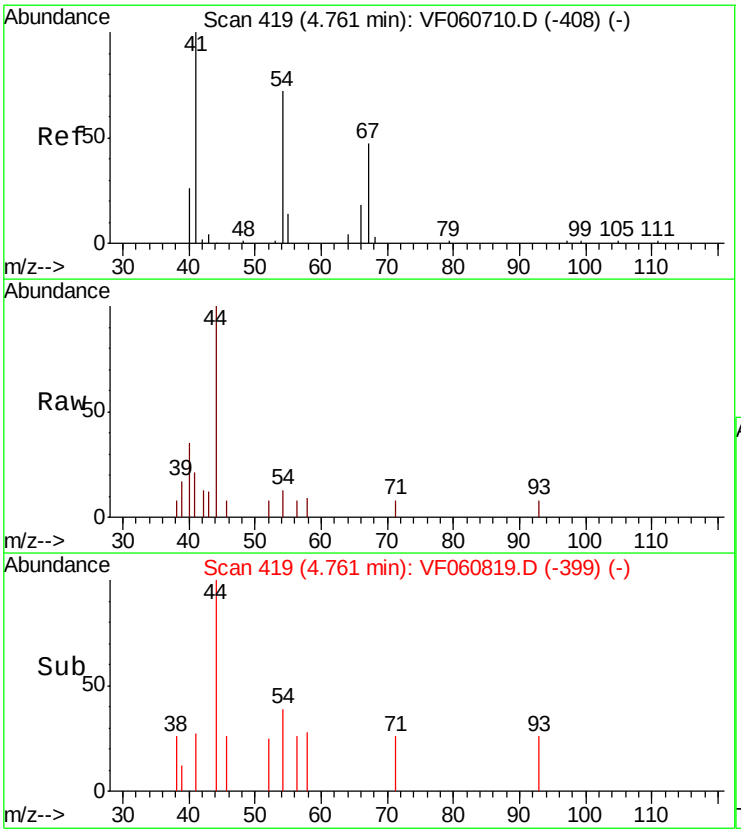
#37
Ethyl Acetate
Concen: 1.387 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.01 min
Lab File: VF060819.D
Acq: 20 Nov 2018 22:59

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 2210

Ion	Ratio	Lower	Upper
43	100		
61	0.0	98.5	147.7#
70	0.0	7.4	11.0#

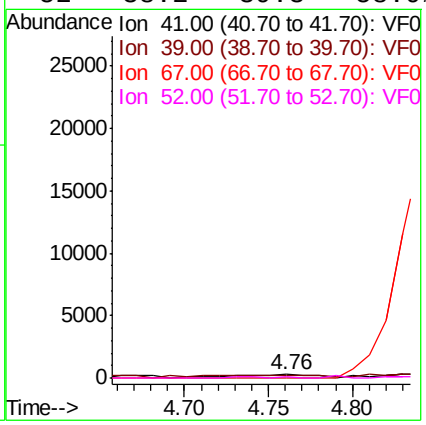


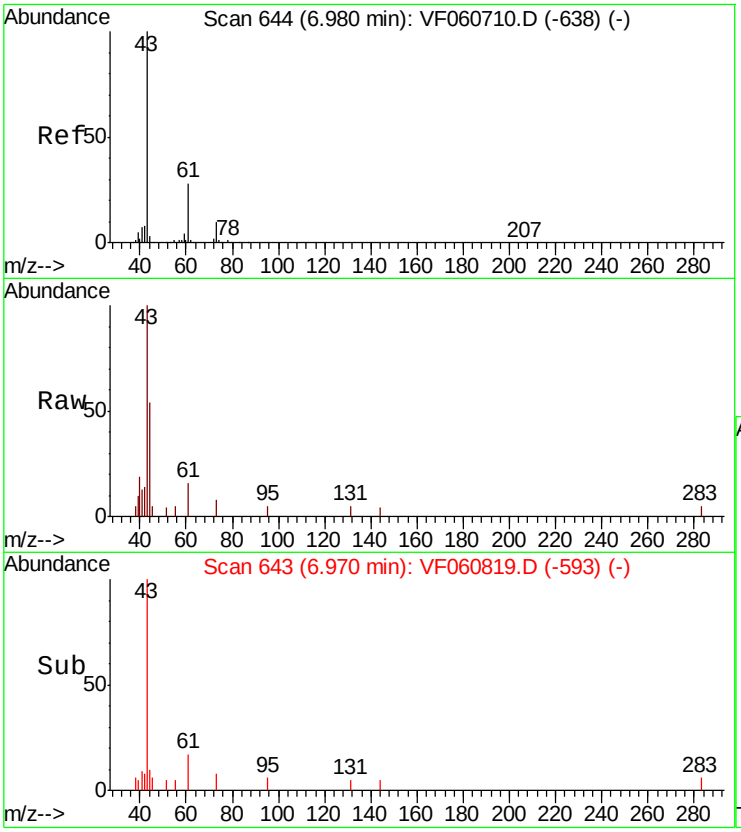


#41
Methacrylonitrile
Concen: Below Cal
RT: 4.76 min Scan# 419
Delta R.T. 0.00 min
Lab File: VF060819.D
Acq: 20 Nov 2018 22:59

Tgt Ion: 41 Resp: 940

Ion	Ratio	Lower	Upper
41	100		
39	80.1	47.1	70.7#
67	0.0	37.1	55.7#
52	38.2	39.3	58.9#



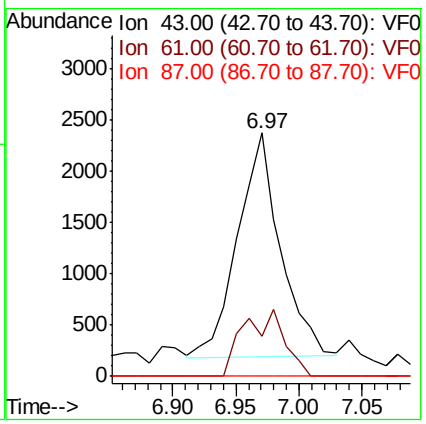


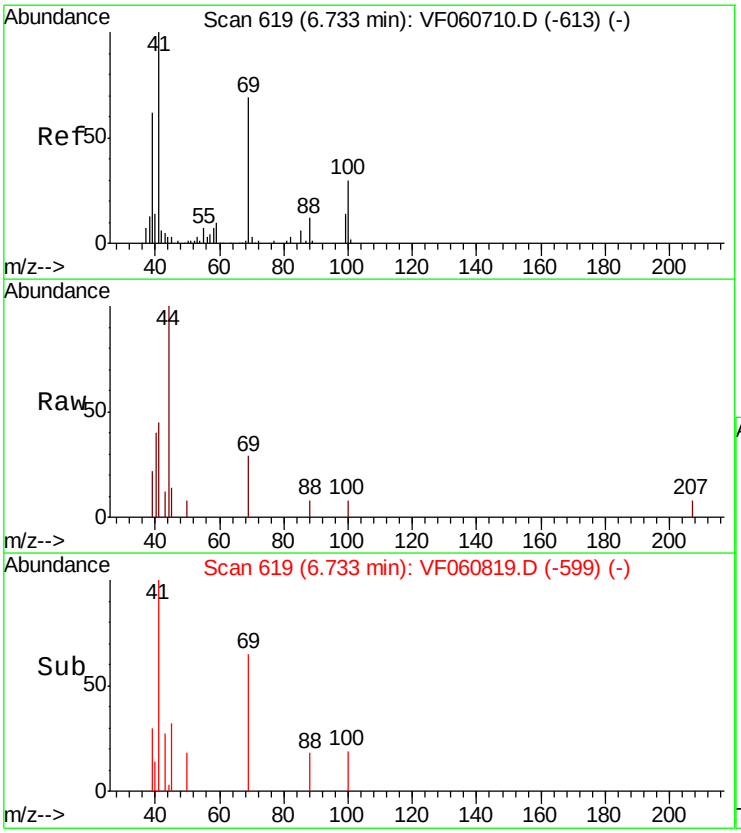
#43
Isopropyl Acetate
Concen: 2.437 ug/l
RT: 6.97 min Scan# 643
Delta R.T. -0.01 min
Lab File: VF060819.D
Acq: 20 Nov 2018 22:59

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 5148

Ion	Ratio	Lower	Upper
43	100		
61	16.3	22.2	33.4#
87	0.0	0.4	0.6#

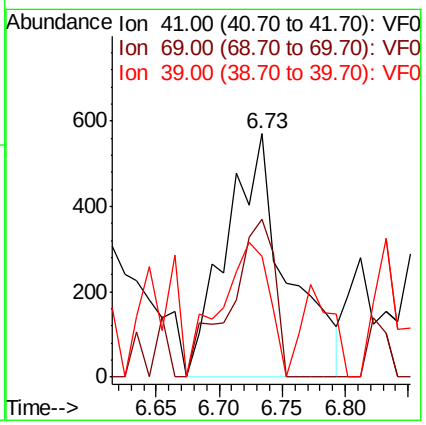


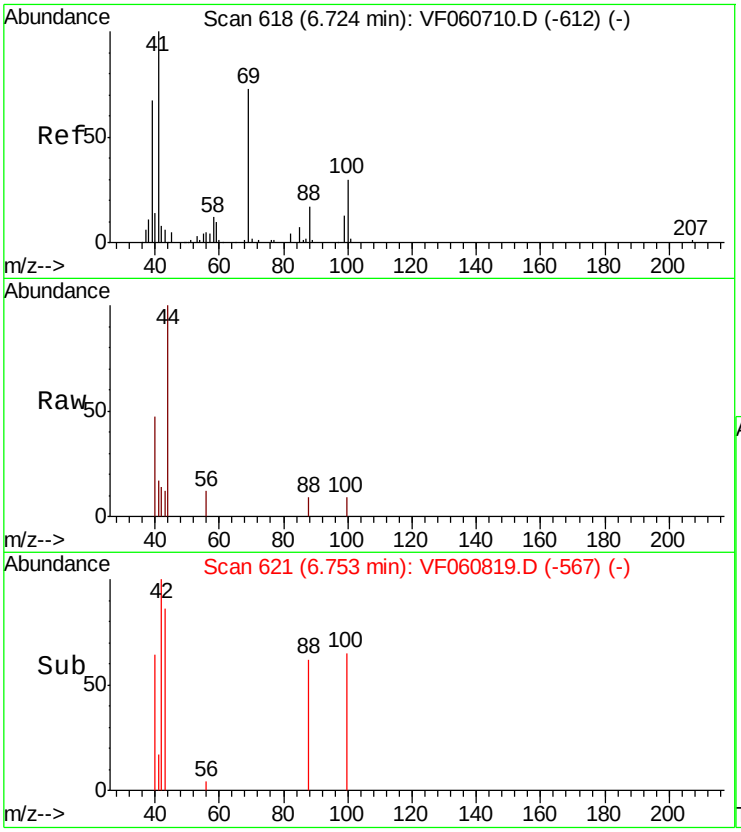


#48
Methyl methacrylate
Concen: 1.369 ug/l
RT: 6.73 min Scan# 619
Delta R.T. 0.00 min
Lab File: VF060819.D
Acq: 20 Nov 2018 22:59

Tgt Ion: 41 Resp: 1914

Ion	Ratio	Lower	Upper
41	100		
69	65.0	54.9	82.3
39	49.7	49.6	74.4



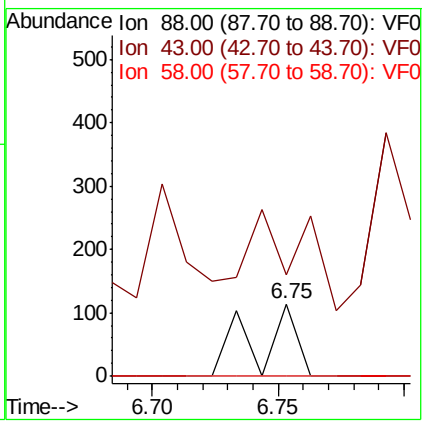


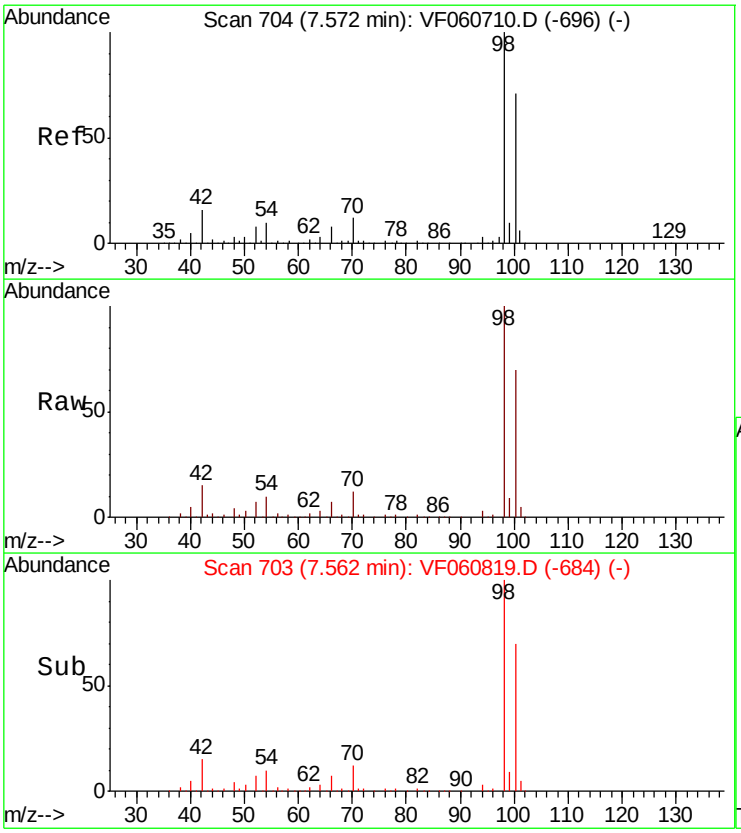
#49
1,4-Dioxane
Concen: 9.790 ug/l
RT: 6.75 min Scan# 621
Delta R.T. 0.03 min
Lab File: VF060819.D
Acq: 20 Nov 2018 22:59

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 88 Resp: 128

Ion	Ratio	Lower	Upper
88	100		
43	139.5	44.6	66.8#
58	0.0	54.5	81.7#

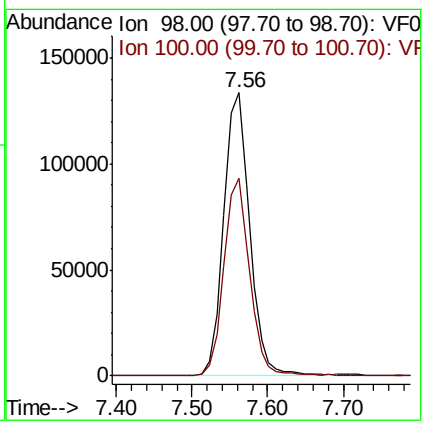


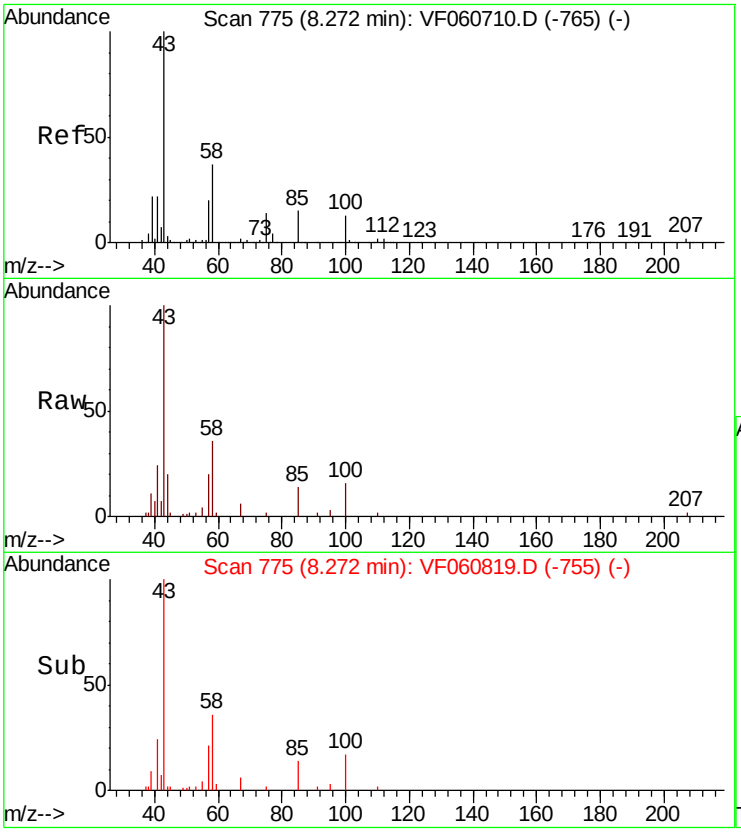


#50
Toluene-d8
Concen: 44.252 ug/l
RT: 7.56 min Scan# 703
Delta R.T. -0.01 min
Lab File: VF060819.D
Acq: 20 Nov 2018 22:59

Tgt Ion: 98 Resp: 318423

Ion	Ratio	Lower	Upper
98	100		
100	70.0	56.5	84.7



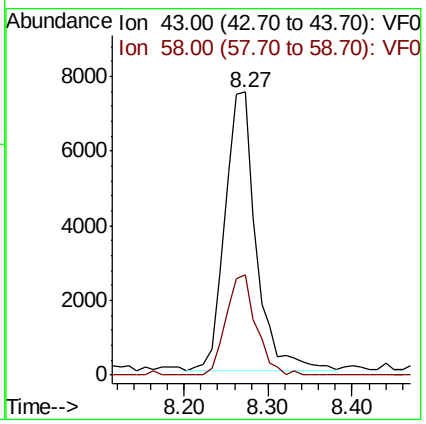


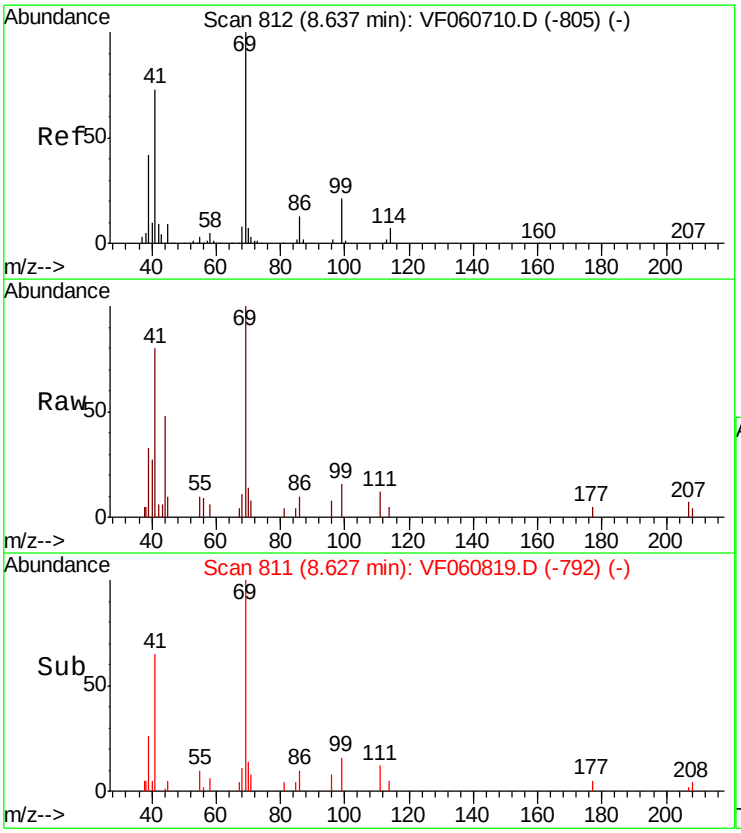
#51
4-Methyl-2-Pentanone
Concen: 12.585 ug/l
RT: 8.27 min Scan# 775
Delta R.T. 0.00 min
Lab File: VF060819.D
Acq: 20 Nov 2018 22:59

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 19228

Ion	Ratio	Lower	Upper
43	100		
58	35.6	29.2	43.8

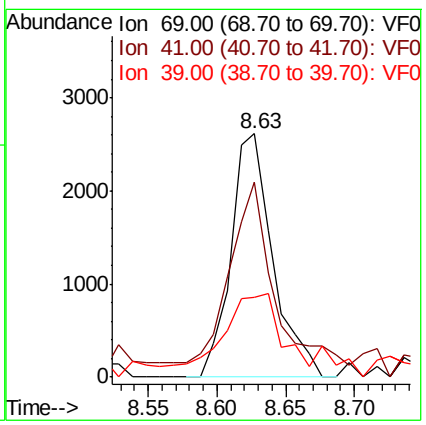


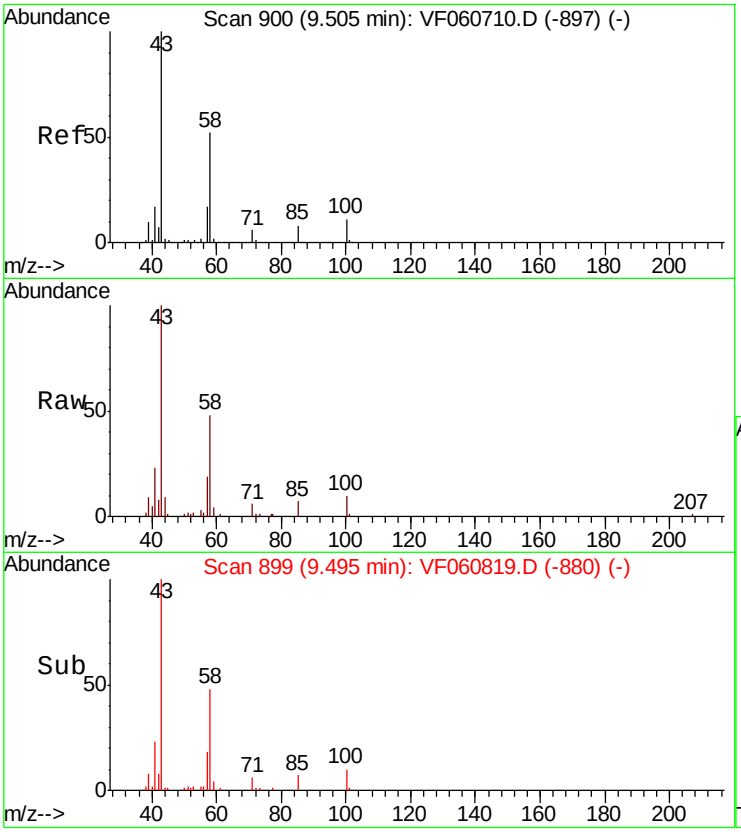


#56
Ethyl methacrylate
Concen: 2.663 ug/l
RT: 8.63 min Scan# 811
Delta R.T. -0.01 min
Lab File: VF060819.D
Acq: 20 Nov 2018 22:59

Tgt Ion: 69 Resp: 5532

Ion	Ratio	Lower	Upper
69	100		
41	80.2	59.0	88.6
39	32.7	34.0	51.0#



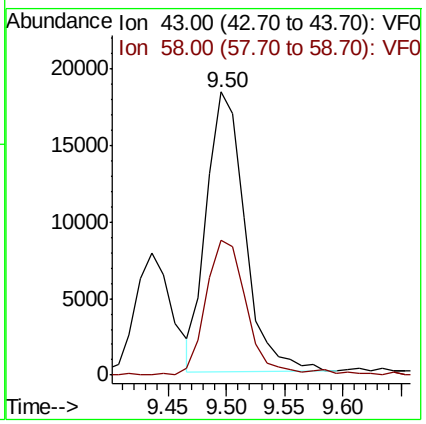


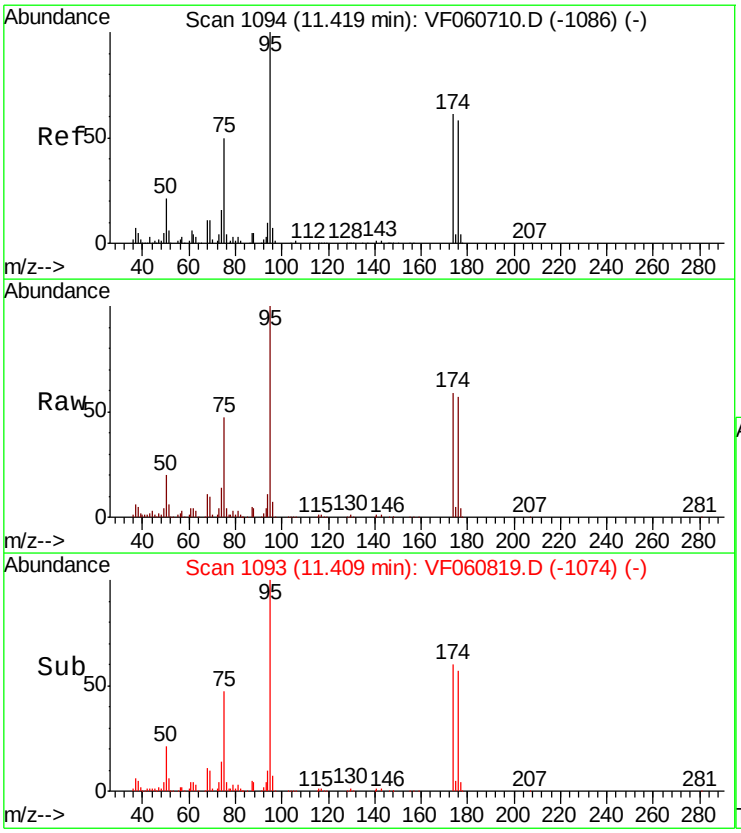
#59
2-Hexanone
Concen: 38.962 ug/l
RT: 9.50 min Scan# 899
Delta R.T. -0.01 min
Lab File: VF060819.D
Acq: 20 Nov 2018 22:59

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 41833

Ion	Ratio	Lower	Upper
43	100		
58	47.5	24.9	74.7

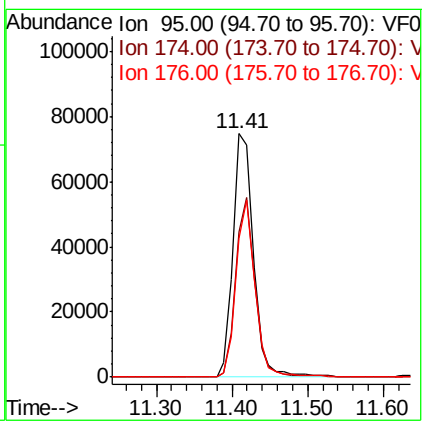


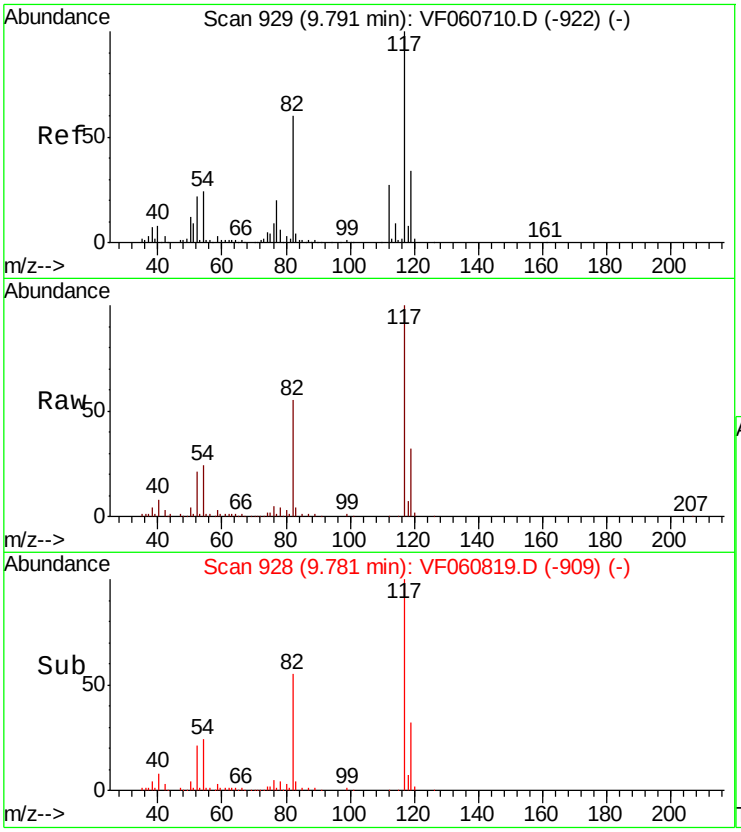


#62
4-Bromofluorobenzene
Concen: 41.679 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VF060819.D
Acq: 20 Nov 2018 22:59

Tgt Ion: 95 Resp: 139208

Ion	Ratio	Lower	Upper
95	100		
174	59.4	0.0	121.6
176	56.9	0.0	115.2



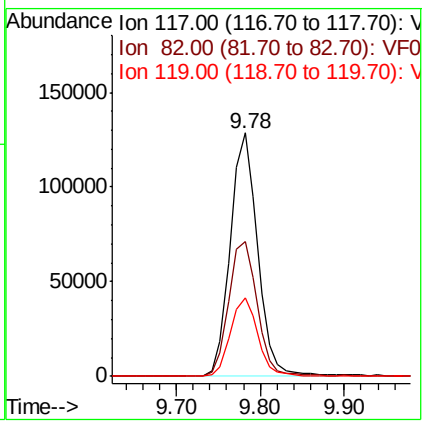


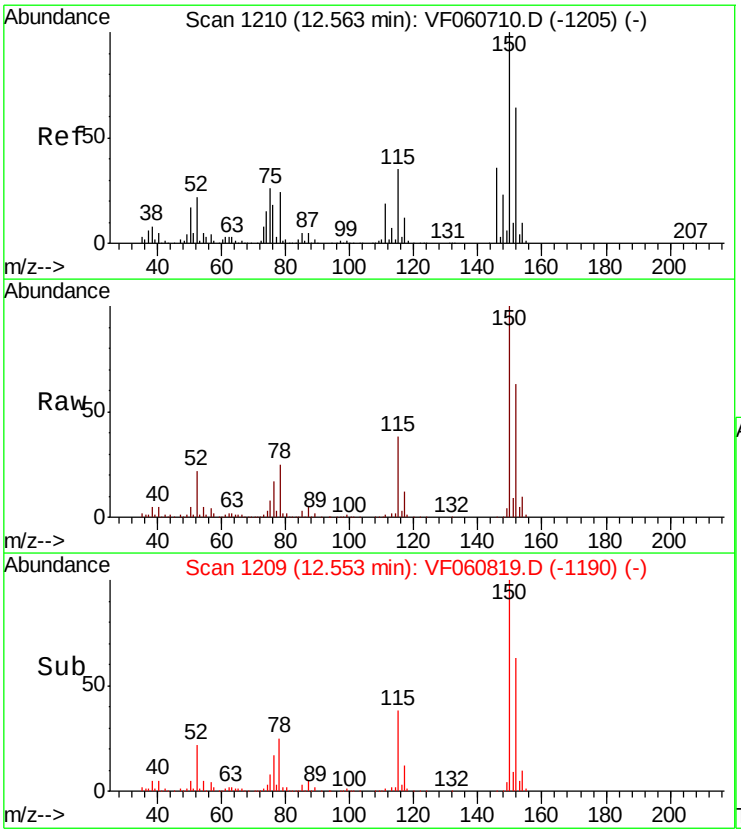
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF060819.D
Acq: 20 Nov 2018 22:59

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:117 Resp: 291438

Ion	Ratio	Lower	Upper
117	100		
82	55.2	47.9	71.9
119	32.2	26.8	40.2

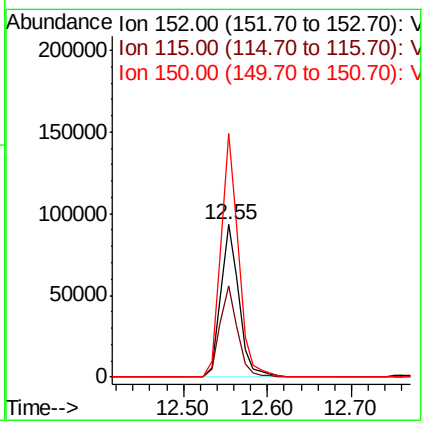


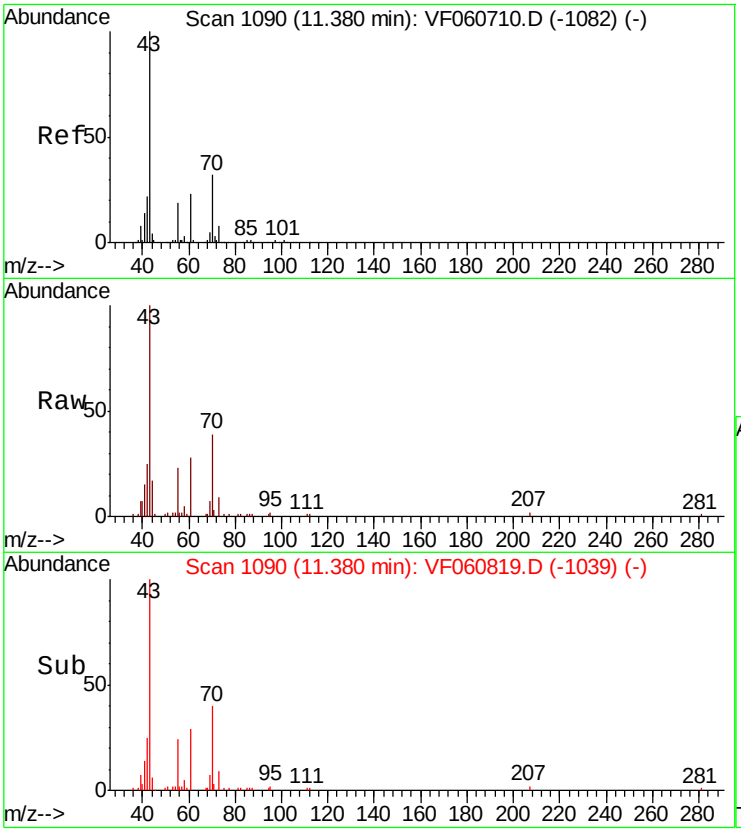


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.01 min
Lab File: VF060819.D
Acq: 20 Nov 2018 22:59

Tgt Ion:152 Resp: 140490

Ion	Ratio	Lower	Upper
152	100		
115	60.1	27.9	83.7
150	159.9	0.0	316.4



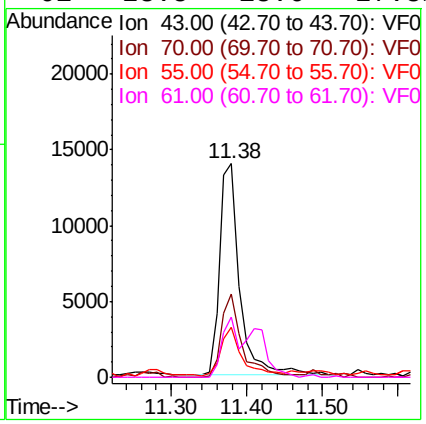


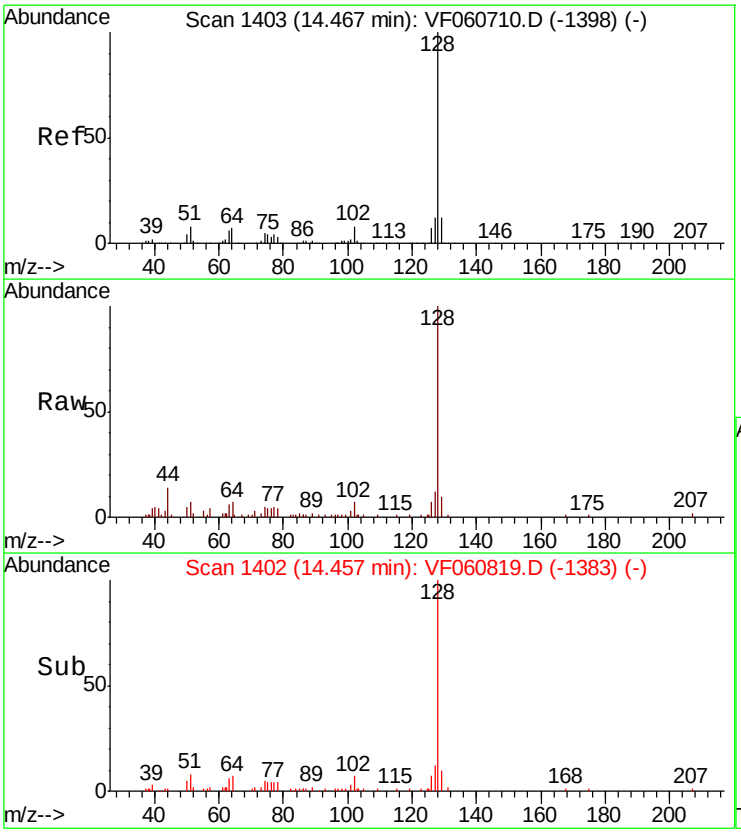
#74
N-amyl acetate
Concen: 10.000 ug/l
RT: 11.38 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VF060819.D
Acq: 20 Nov 2018 22:59

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 25743

Ion	Ratio	Lower	Upper
43	100		
70	39.1	25.5	38.3#
55	23.4	14.9	22.3#
61	28.5	18.6	27.8#





#95
Naphthalene
Concen: 4.307 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. -0.01 min
Lab File: VF060819.D
Acq: 20 Nov 2018 22:59

Tgt Ion:128 Resp: 24915

Ion	Ratio	Lower	Upper
128	100		
127	11.9	9.8	14.6
129	9.6	9.3	13.9