Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF072318\
Data File : VF059618.D
Acq On : 23 Jul 2018 17:03
Operator : VA/AP
Sample : VF0723SBL01
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 89 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : VF0723SBL01

Quant Time: Jul 24 04:49:35 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072318S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 24 04:17:55 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	284577	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	399873	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	392543	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	246836	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	215059	48.02	ug/l	0.00
Spiked Amount 50.000			Recovery = 96.04%			
35) Dibromofluoromethane	4.28	113	197272	53.47	ug/l	0.00
Spiked Amount 50.000			Recovery = 106.94%			
50) Toluene-d8	7.70	98	460742	49.88	ug/l	0.00
Spiked Amount 50.000			Recovery = 99.76%			
62) 4-Bromofluorobenzene	11.51	95	249260	46.74	ug/l	0.00
Spiked Amount 50.000			Recovery = 93.48%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.68	59	308	1.690	ug/l #	1
13) Acrolein	2.24	56	386	4.223	ug/l	99
15) Acrylonitrile	3.08	53	1043	3.709	ug/l #	70
16) Acetone	2.34	43	4034	5.254	ug/l #	78
18) Methyl Acetate	2.46	43	3992	Below Cal	#	70
20) Methylene Chloride	2.27	84	4151	Below Cal	#	68
23) Vinyl Acetate	3.32	43	5342	1.604	ug/l #	83
25) 2-Butanone	4.53	43	4550	5.748	ug/l	97
29) Tetrahydrofuran	4.27	42	1223	3.813	ug/l #	78
37) Ethyl Acetate	4.28	43	1785	1.096	ug/l #	16
39) Methylcyclohexane	5.74	83	4804	1.462	ug/l #	33
41) Methacrylonitrile	4.91	41	1232	1.476	ug/l #	9
43) Isopropyl Acetate	7.11	43	3969	1.908	ug/l #	87
49) 1,4-Dioxane	6.86	88	66	Below Cal	#	1
51) 4-Methyl-2-Pentanone	8.40	43	11978	7.903	ug/l	100
56) Ethyl methacrylate	8.77	69	2414	1.125	ug/l #	76
59) 2-Hexanone	9.63	43	14983	12.181	ug/l	95
74) N-amyl acetate	11.46	43	7233	2.052	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.98	75	1088	1.193	ug/l #	26
95) Naphthalene	14.52	128	21382	2.426	ug/l #	94
96) 1,2,3-Trichlorobenzene	14.67	180	5447	1.104	ug/l	94

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

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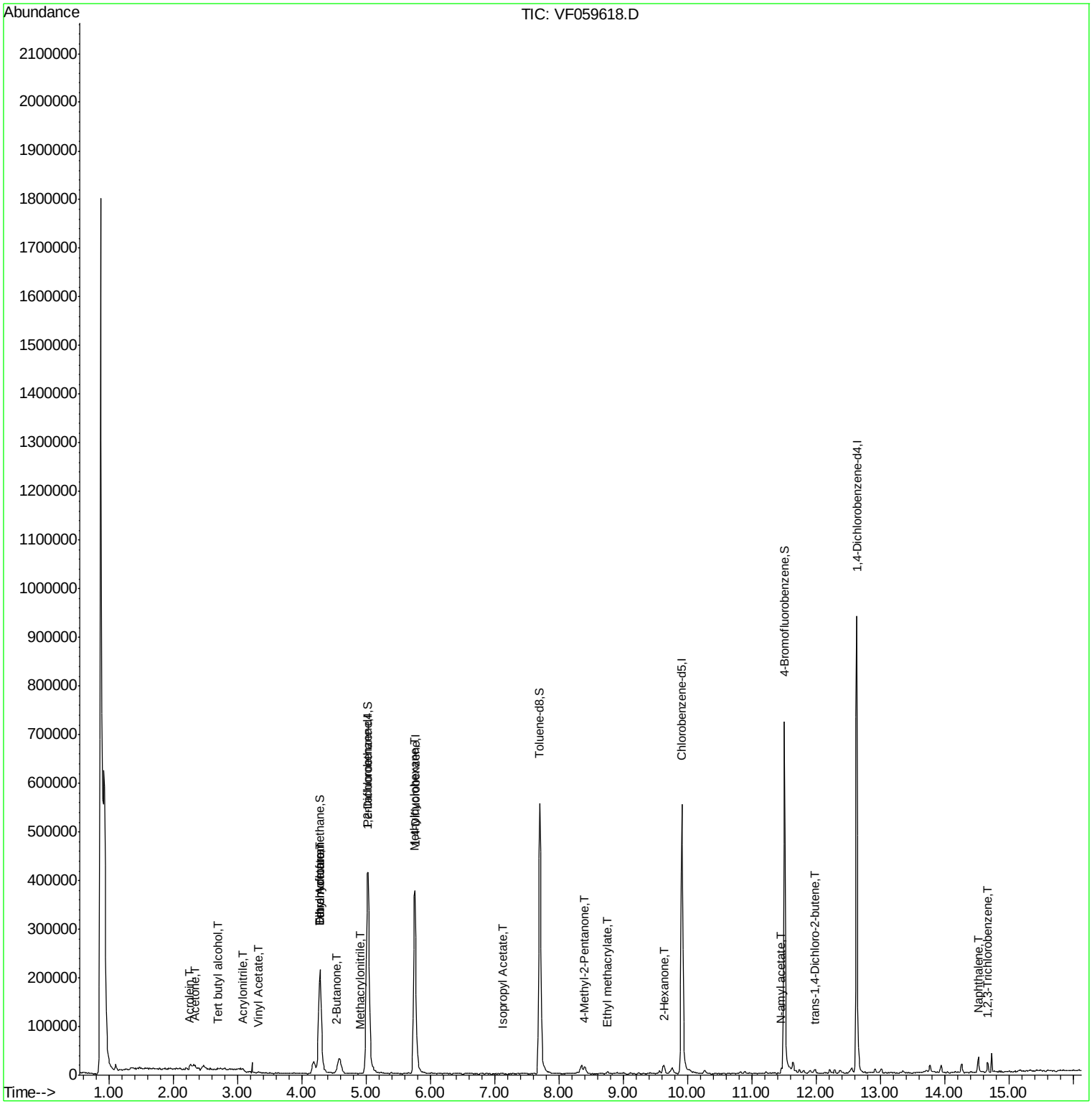
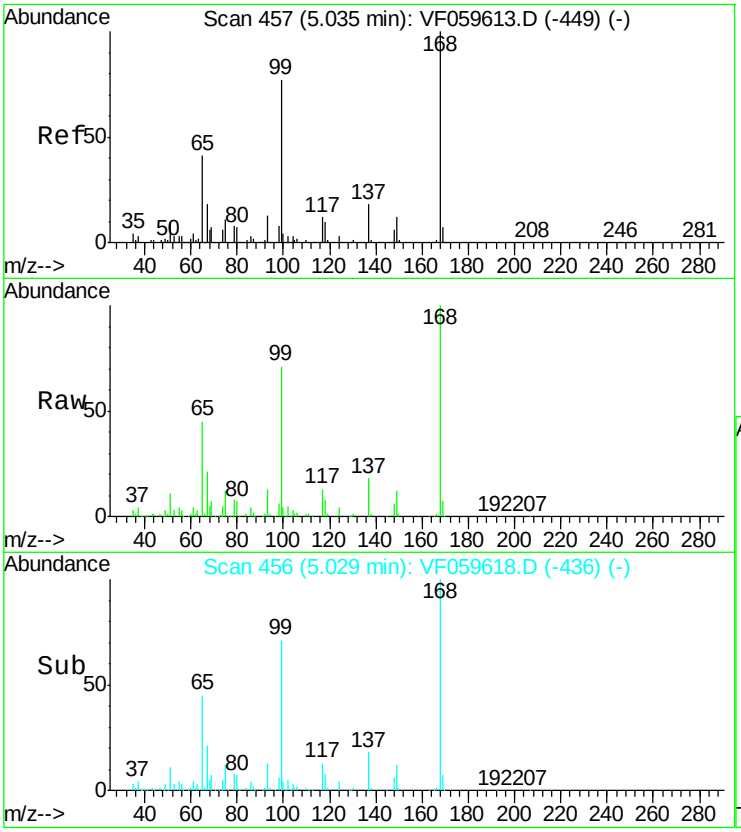


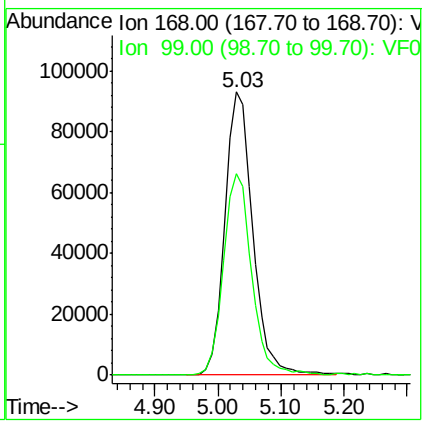


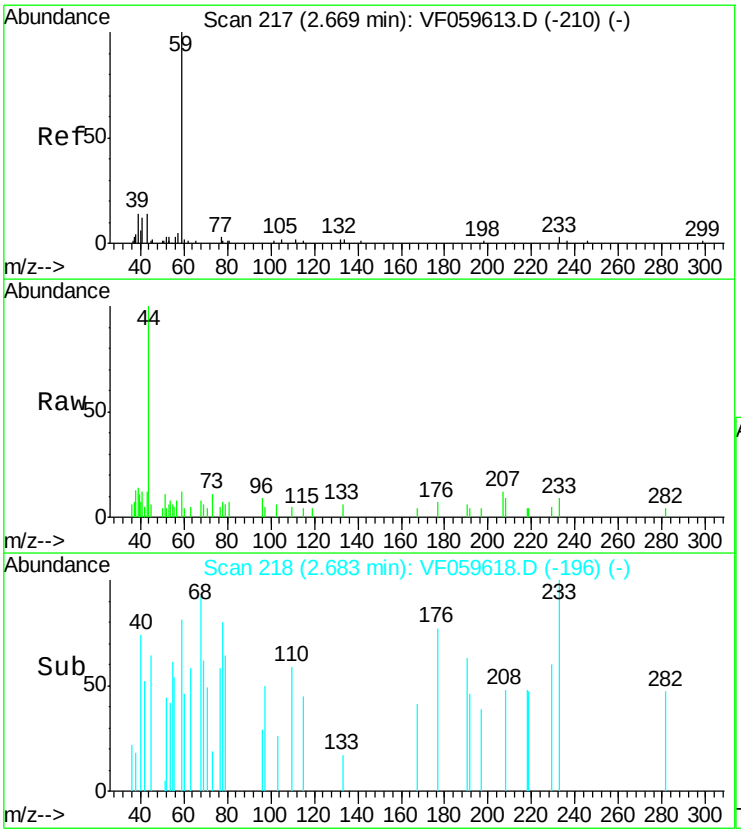
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.03 min Scan# 456
Delta R.T. -0.01 min
Lab File: VF059618.D
Acq: 23 Jul 2018 17:03

Instrument :
MSVOA_F
ClientSampleId :
VF0723SBL01

Tgt Ion:168 Resp: 284577

Ion	Ratio	Lower	Upper
168	100		
99	71.3	61.5	92.3

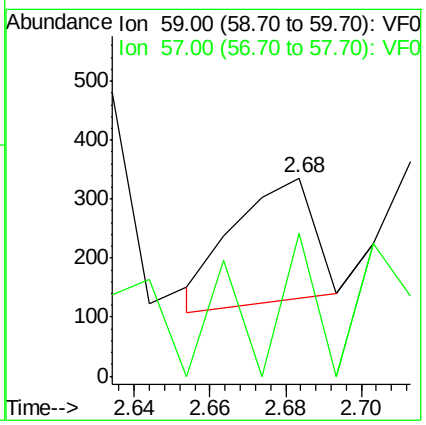


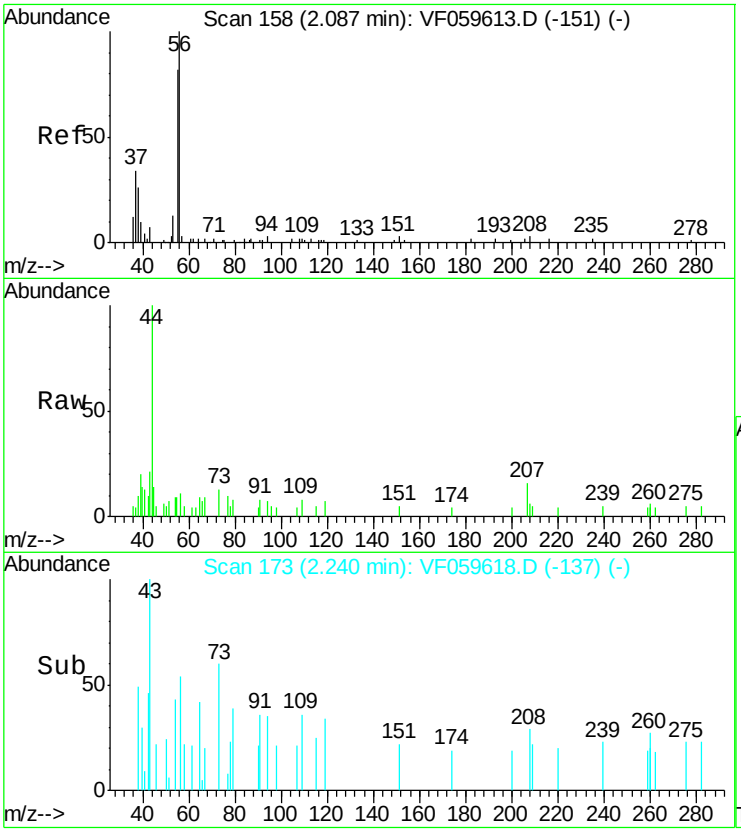


#11
Tert butyl alcohol
Concen: 1.690 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.02 min
Lab File: VF059618.D
Acq: 23 Jul 2018 17:03

Tgt Ion: 59 Resp: 308

Ion	Ratio	Lower	Upper
59	100		
57	71.7	8.6	12.8#



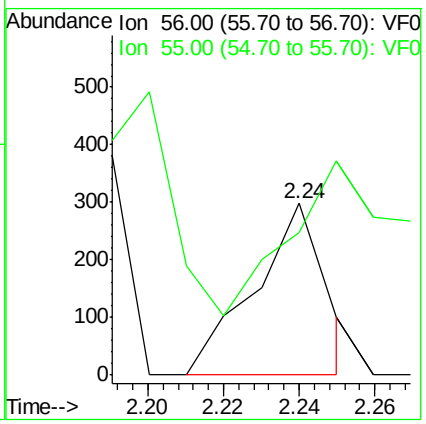


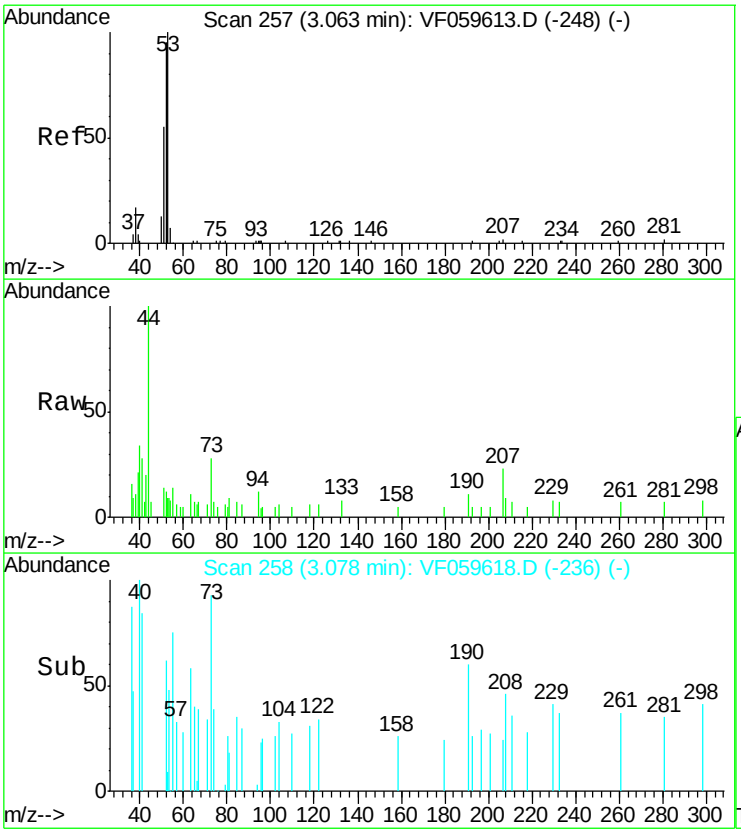
#13
Acrolein
Concen: 4.223 ug/l
RT: 2.24 min Scan# 173
Delta R.T. 0.15 min
Lab File: VF059618.D
Acq: 23 Jul 2018 17:03

Instrument :
MSVOA_F
ClientSampleId :
VF0723SBL01

Tgt Ion: 56 Resp: 386

Ion	Ratio	Lower	Upper
56	100		
55	83.2	65.6	98.4

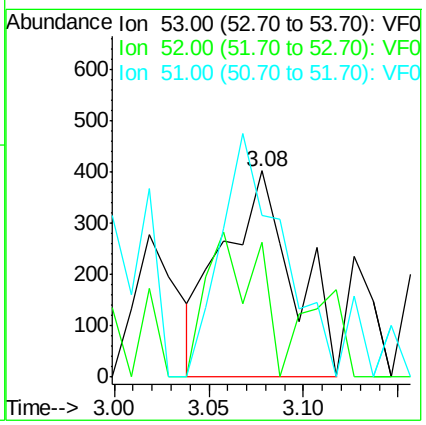


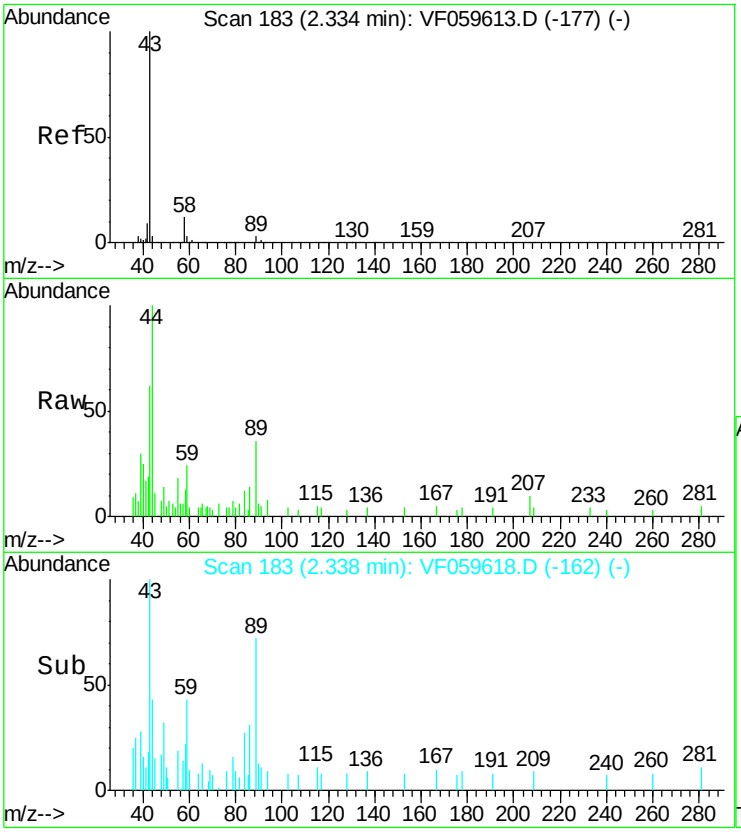


#15
Acrylonitrile
Concen: 3.709 ug/l
RT: 3.08 min Scan# 258
Delta R.T. 0.01 min
Lab File: VF059618.D
Acq: 23 Jul 2018 17:03

Tgt Ion: 53 Resp: 1043

Ion	Ratio	Lower	Upper
53	100		
52	65.5	76.2	114.2#
51	78.7	45.8	68.8#



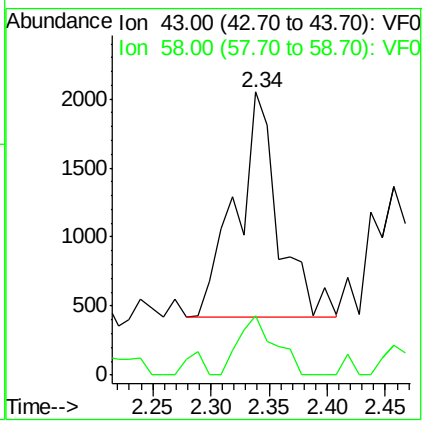


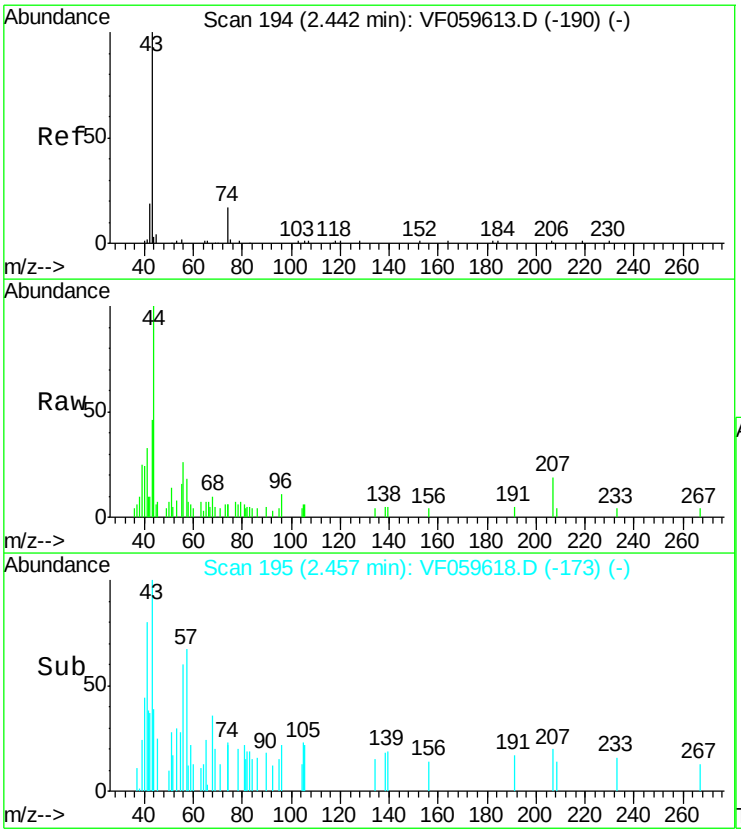
#16
Acetone
Concen: 5.254 ug/l
RT: 2.34 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF059618.D
Acq: 23 Jul 2018 17:03

Instrument : MSVOA_F
ClientSampleId : VF0723SBL01

Tgt Ion: 43 Resp: 4034

Ion	Ratio	Lower	Upper
43	100		
58	21.0	9.8	14.8#

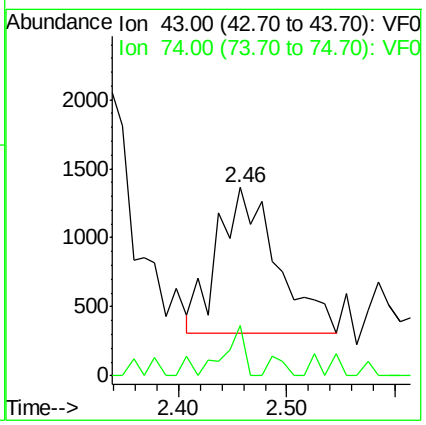


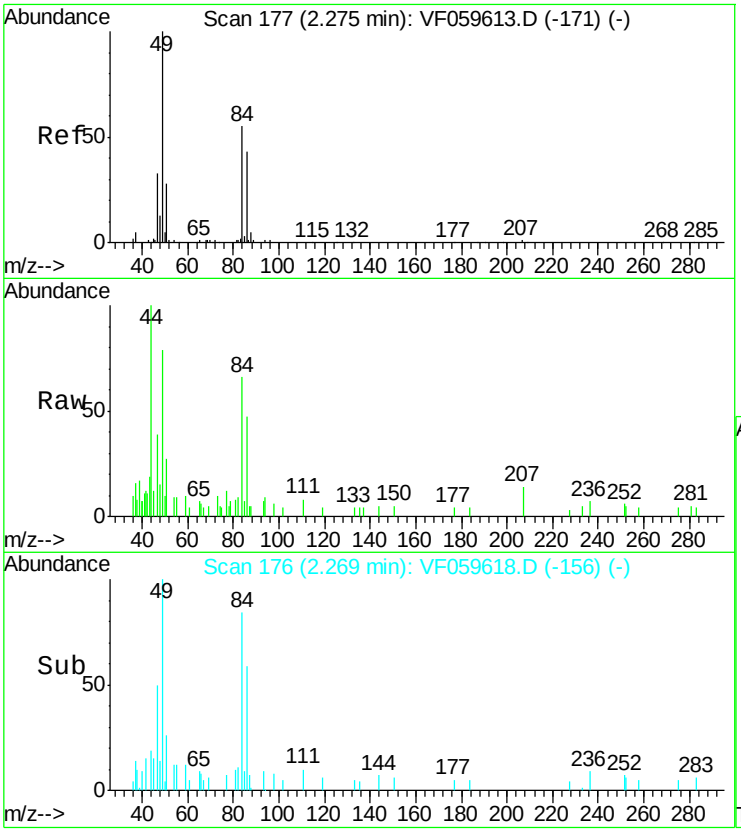


#18
Methyl Acetate
Concen: Below Cal
RT: 2.46 min Scan# 195
Delta R.T. 0.01 min
Lab File: VF059618.D
Acq: 23 Jul 2018 17:03

Tgt Ion: 43 Resp: 3992

Ion	Ratio	Lower	Upper
43	100		
74	26.5	11.4	17.0#



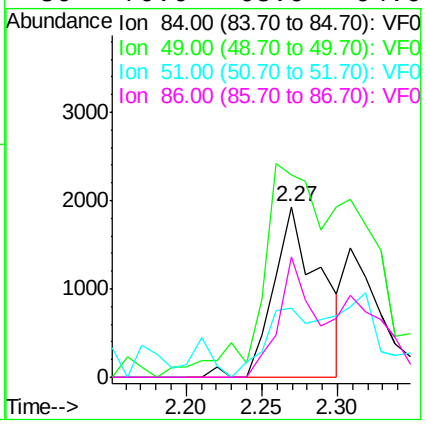


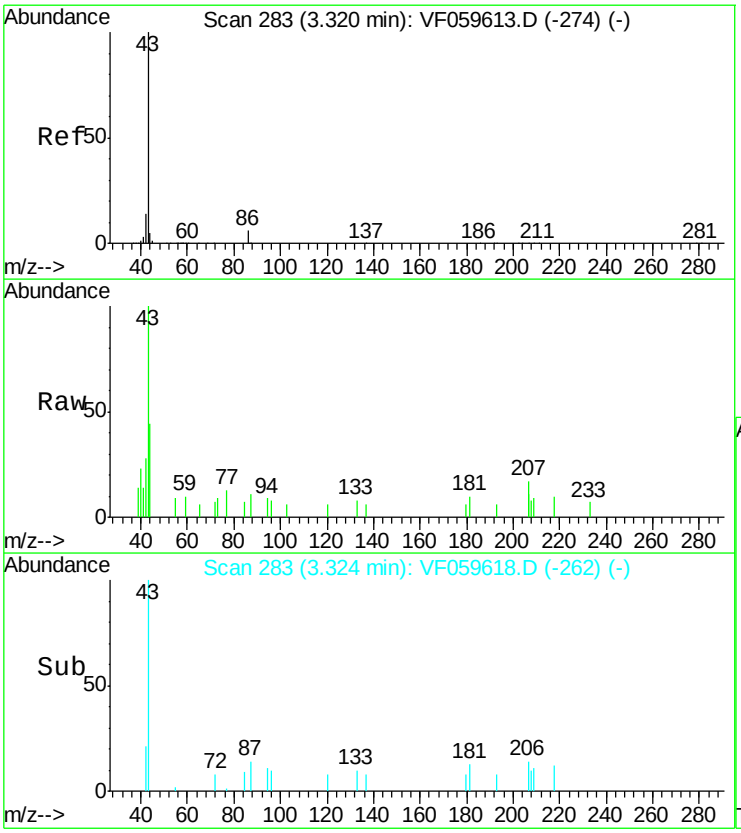
#20
Methylene Chloride
Concen: Below Cal
RT: 2.27 min Scan# 176
Delta R.T. -0.00 min
Lab File: VF059618.D
Acq: 23 Jul 2018 17:03

Instrument :
MSVOA_F
ClientSampleId :
VF0723SBL01

Tgt Ion: 84 Resp: 4151

Ion	Ratio	Lower	Upper
84	100		
49	118.9	148.6	222.8#
51	40.5	42.7	64.1#
86	70.6	63.0	94.6

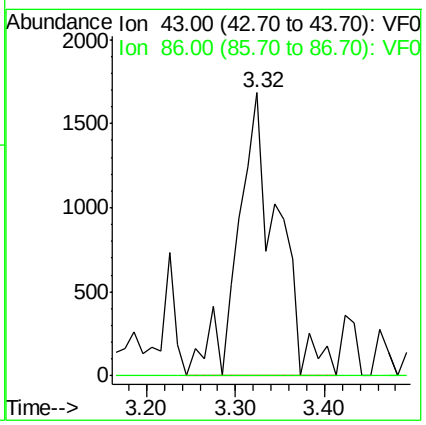


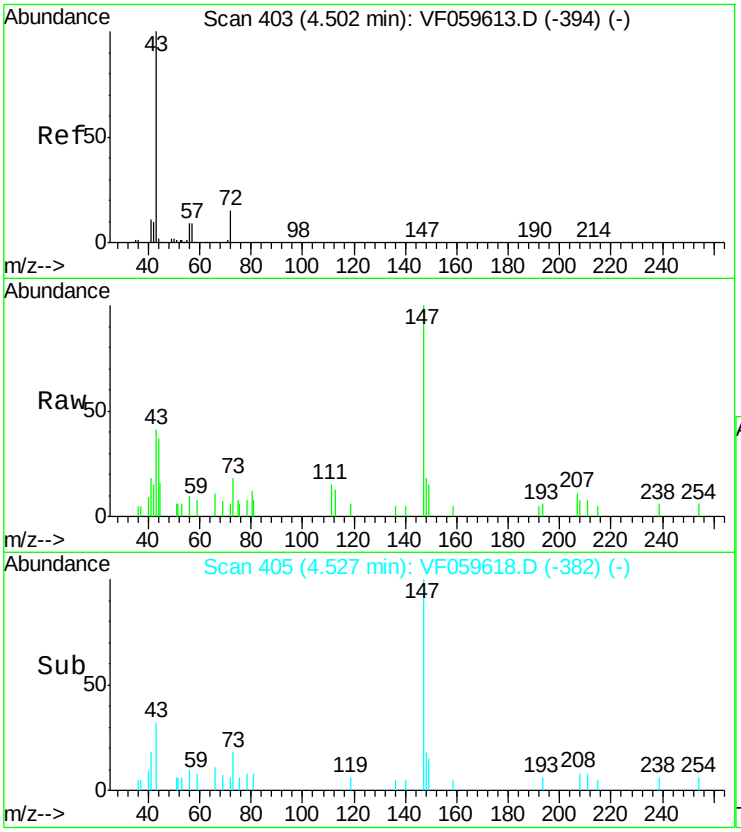


#23
Vinyl Acetate
Concen: 1.604 ug/l
RT: 3.32 min Scan# 283
Delta R.T. 0.00 min
Lab File: VF059618.D
Acq: 23 Jul 2018 17:03

Tgt Ion: 43 Resp: 5342

Ion	Ratio	Lower	Upper
43	100		
86	0.0	4.6	6.8#



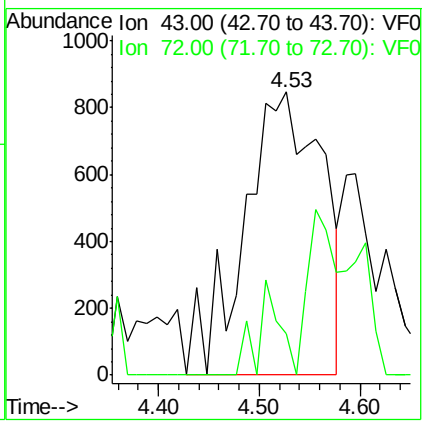


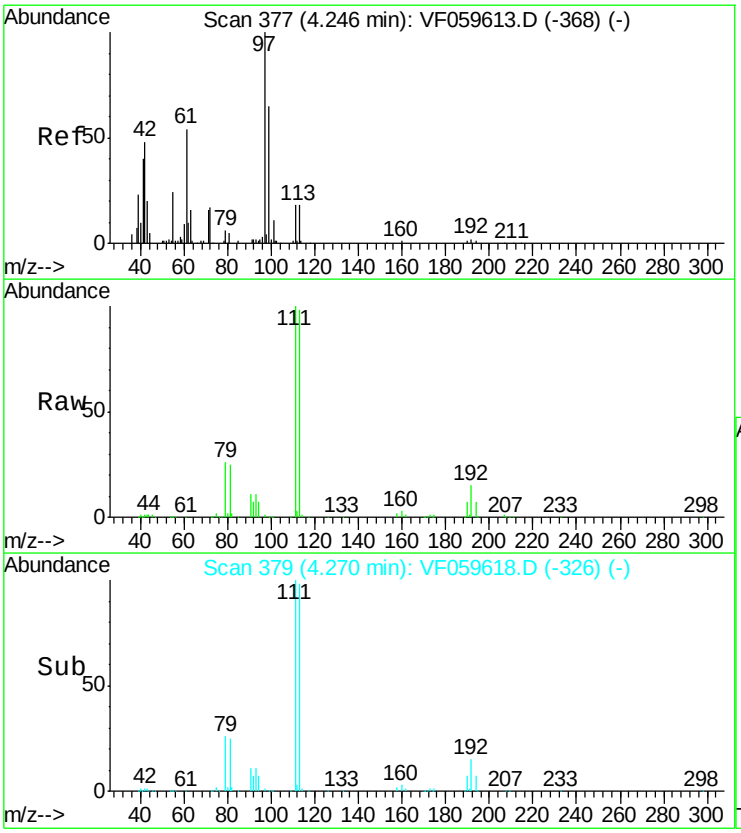
#25
2-Butanone
Concen: 5.748 ug/l
RT: 4.53 min Scan# 405
Delta R.T. 0.02 min
Lab File: VF059618.D
Acq: 23 Jul 2018 17:03

Instrument : MSVOA_F
ClientSampleId : VF0723SBL01

Tgt Ion: 43 Resp: 4550

Ion	Ratio	Lower	Upper
43	100		
72	14.9	12.9	19.3

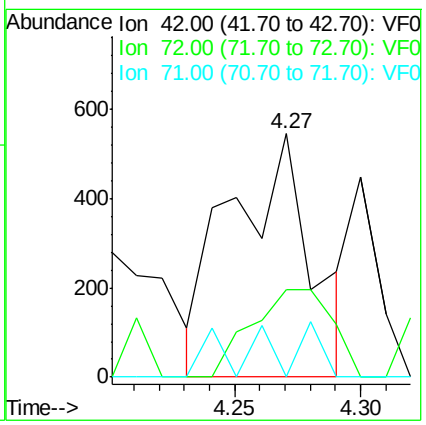


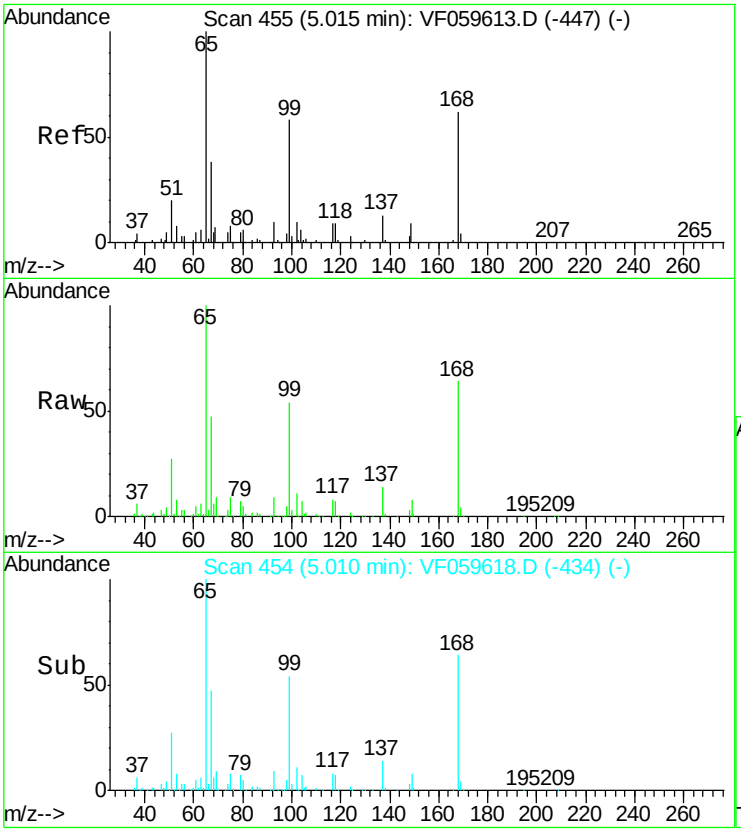


#29
Tetrahydrofuran
Concen: 3.813 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.02 min
Lab File: VF059618.D
Acq: 23 Jul 2018 17:03

Tgt Ion: 42 Resp: 1223

Ion	Ratio	Lower	Upper
42	100		
72	35.9	27.9	41.9
71	11.6	29.3	43.9#



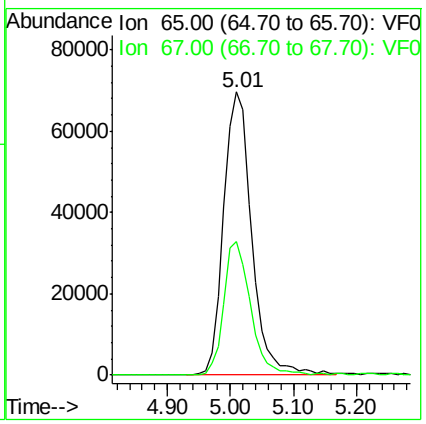


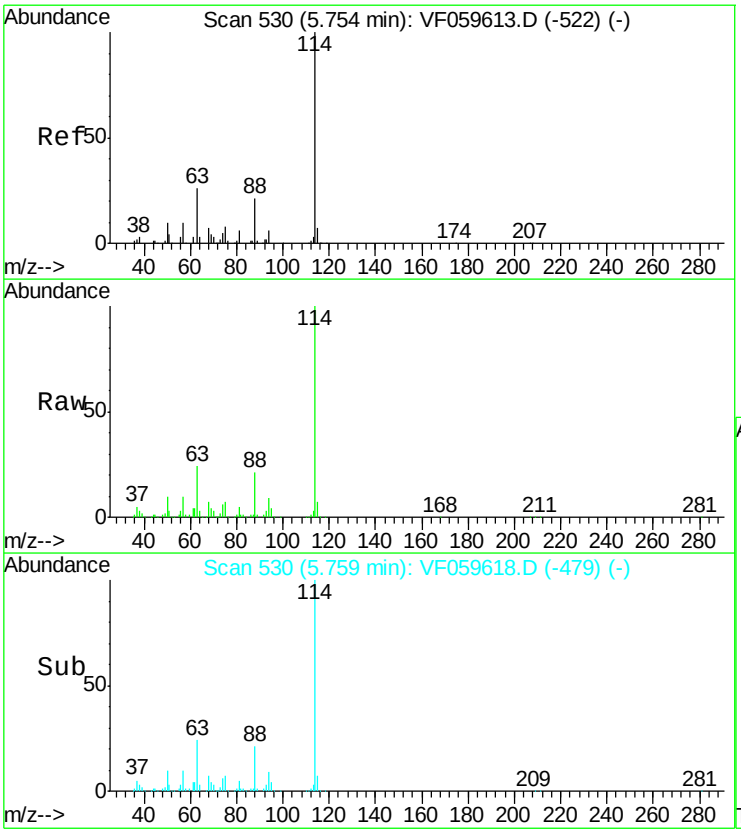
#33
1,2-Dichloroethane-d4
Concen: 48.024 ug/l
RT: 5.01 min Scan# 454
Delta R.T. -0.01 min
Lab File: VF059618.D
Acq: 23 Jul 2018 17:03

Instrument :
MSVOA_F
ClientSampleId :
VF0723SBL01

Tgt Ion: 65 Resp: 215059

Ion	Ratio	Lower	Upper
65	100		
67	47.2	0.0	83.8

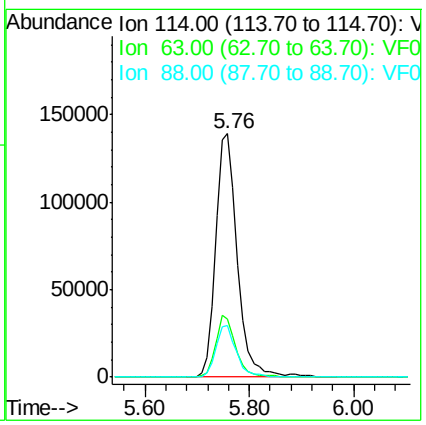


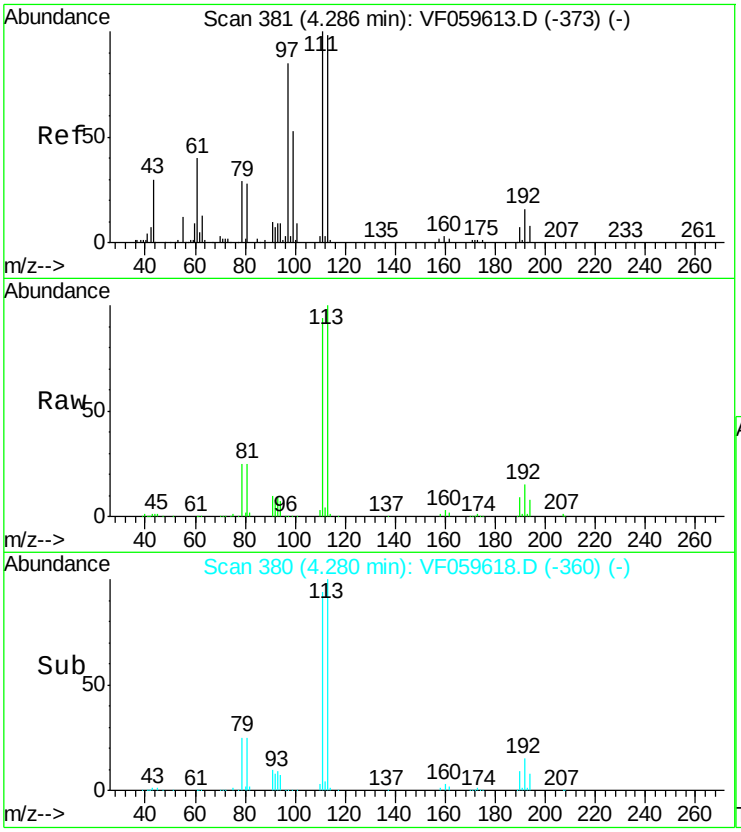


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.76 min Scan# 530
Delta R.T. 0.00 min
Lab File: VF059618.D
Acq: 23 Jul 2018 17:03

Tgt Ion:114 Resp: 399873

Ion	Ratio	Lower	Upper
114	100		
63	23.6	0.0	51.8
88	21.1	0.0	42.8



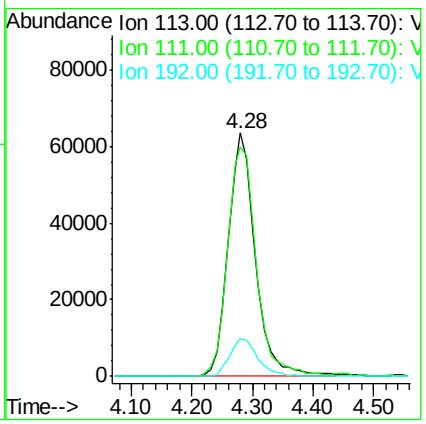


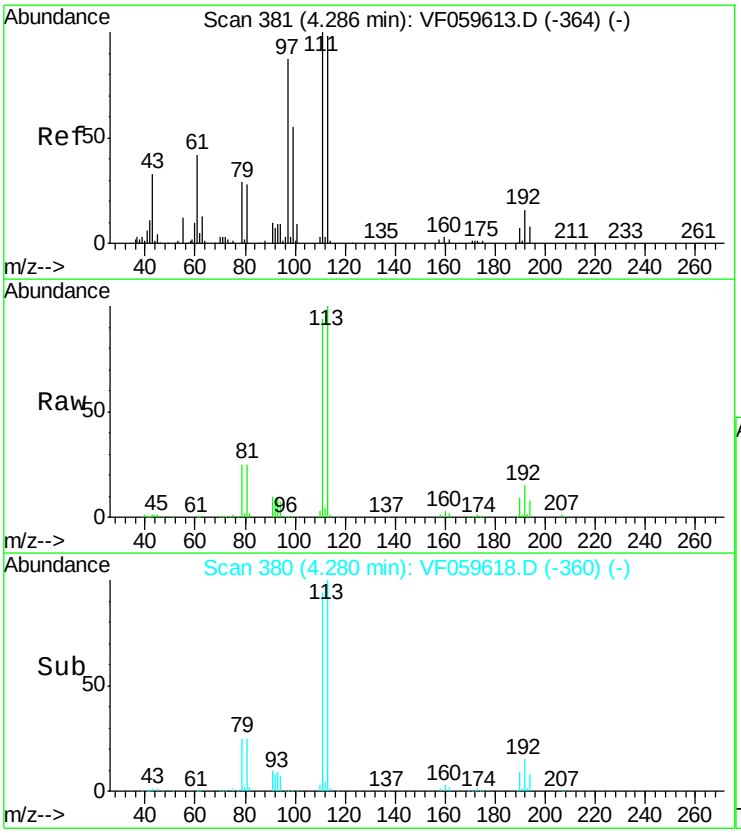
#35
Dibromofluoromethane
Concen: 53.470 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF059618.D
Acq: 23 Jul 2018 17:03

Instrument :
MSVOA_F
ClientSampleId :
VF0723SBL01

Tgt Ion:113 Resp: 197272

Ion	Ratio	Lower	Upper
113	100		
111	94.4	81.5	122.3
192	15.5	13.4	20.2

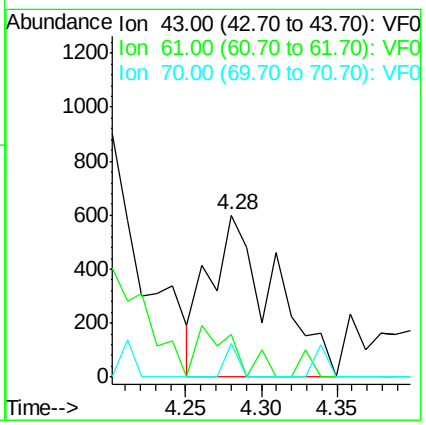


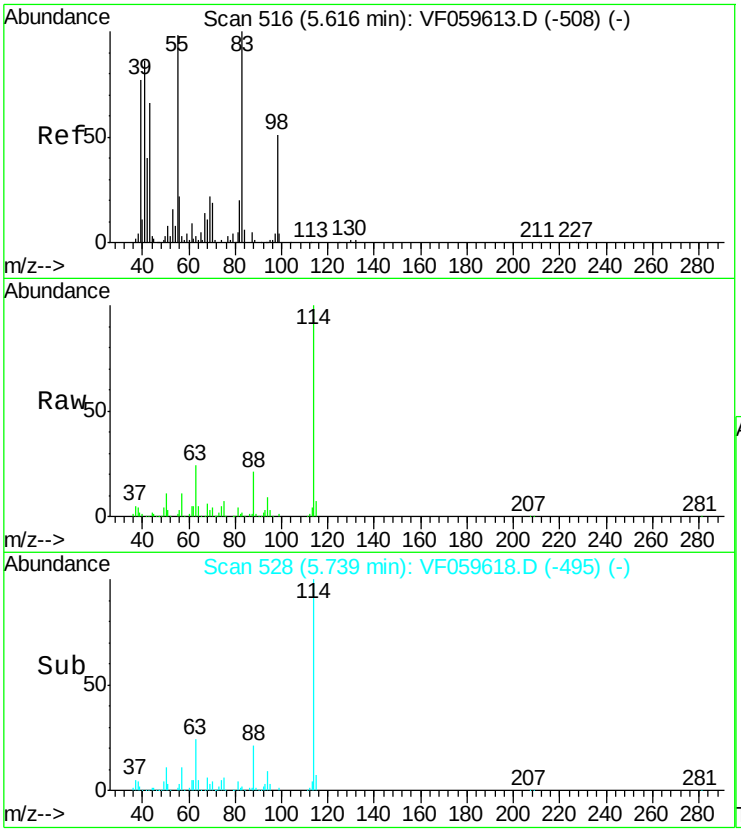


#37
Ethyl Acetate
Concen: 1.096 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF059618.D
Acq: 23 Jul 2018 17:03

Tgt Ion: 43 Resp: 1785

Ion	Ratio	Lower	Upper
43	100		
61	26.0	101.9	152.9#
70	21.1	7.9	11.9#



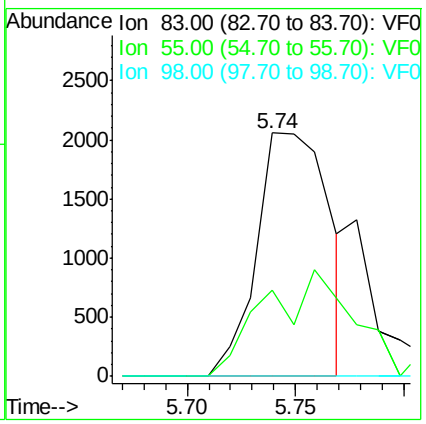


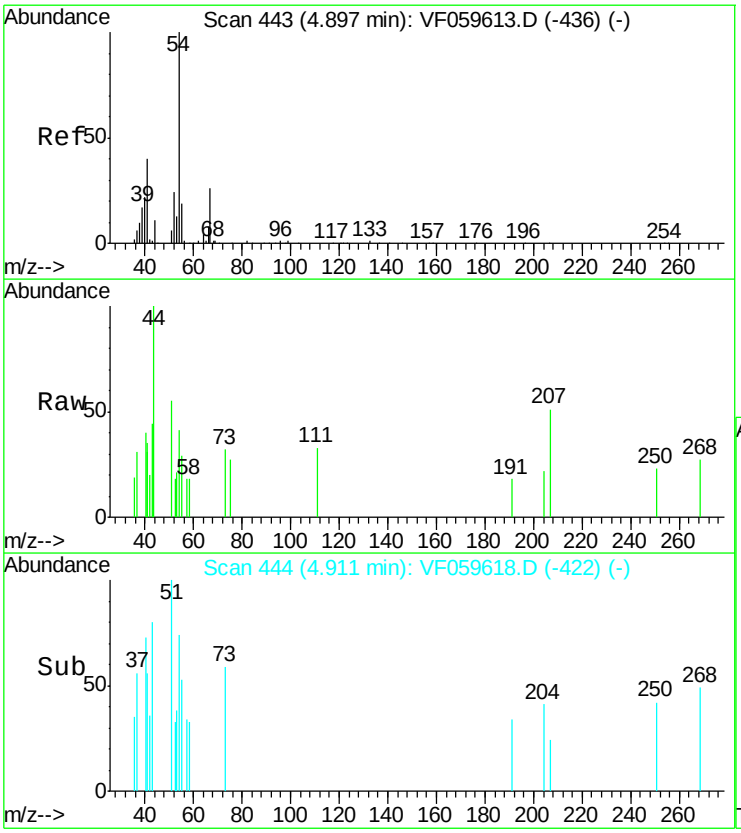
#39
Methylcyclohexane
Concen: 1.462 ug/l
RT: 5.74 min Scan# 528
Delta R.T. 0.12 min
Lab File: VF059618.D
Acq: 23 Jul 2018 17:03

Instrument : MSVOA_F
ClientSampleId : VF0723SBL01

Tgt Ion: 83 Resp: 4804

Ion	Ratio	Lower	Upper
83	100		
55	35.2	78.5	117.7#
98	0.0	41.1	61.7#

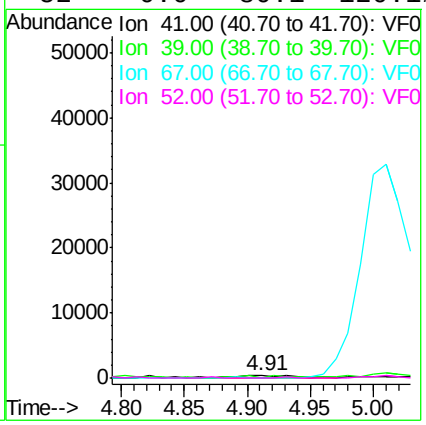


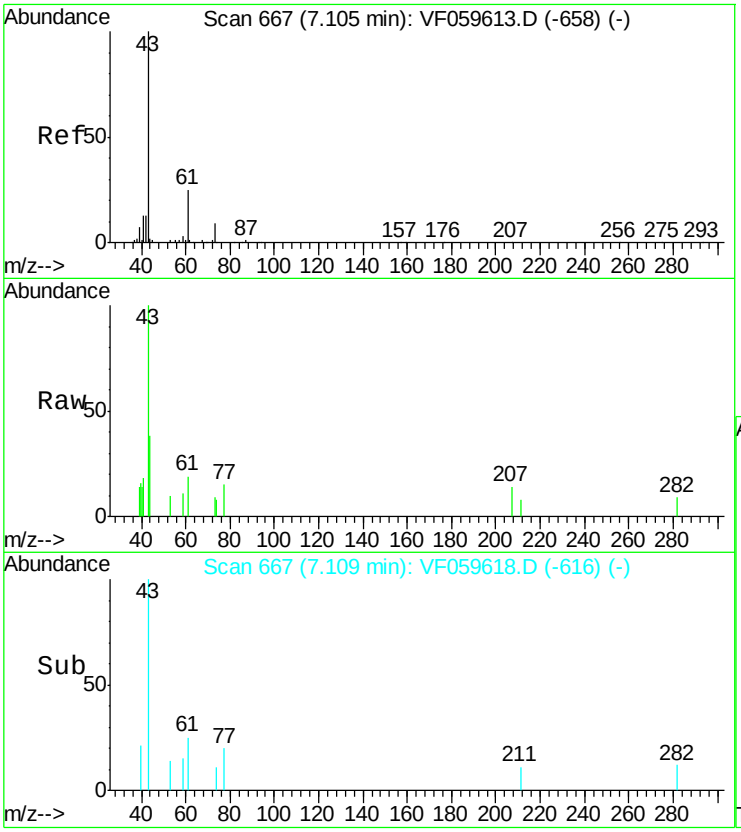


#41
Methacrylonitrile
Concen: 1.476 ug/l
RT: 4.91 min Scan# 444
Delta R.T. 0.01 min
Lab File: VF059618.D
Acq: 23 Jul 2018 17:03

Tgt Ion: 41 Resp: 1232

Ion	Ratio	Lower	Upper
41	100		
39	0.0	58.2	87.4#
67	0.0	51.0	76.6#
52	0.0	80.1	120.1#



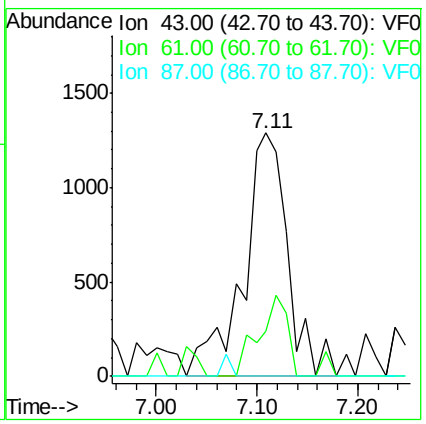


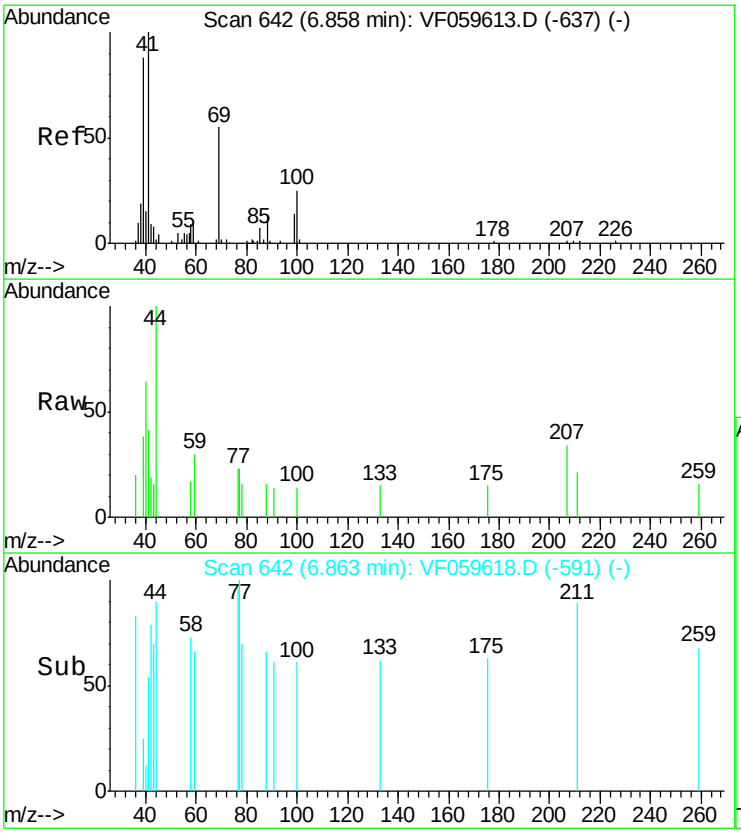
#43
Isopropyl Acetate
Concen: 1.908 ug/l
RT: 7.11 min Scan# 667
Delta R.T. 0.00 min
Lab File: VF059618.D
Acq: 23 Jul 2018 17:03

Instrument :
MSVOA_F
ClientSampleId :
VF0723SBL01

Tgt Ion: 43 Resp: 3969

Ion	Ratio	Lower	Upper
43	100		
61	18.7	20.1	30.1#
87	0.0	0.5	0.7#

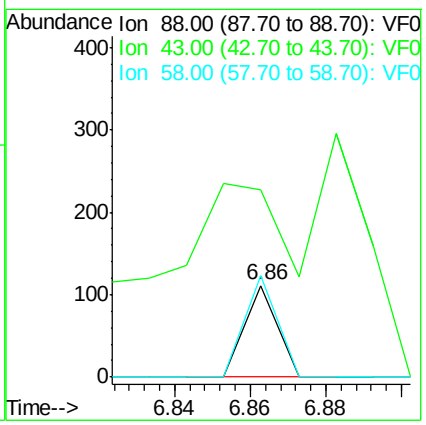


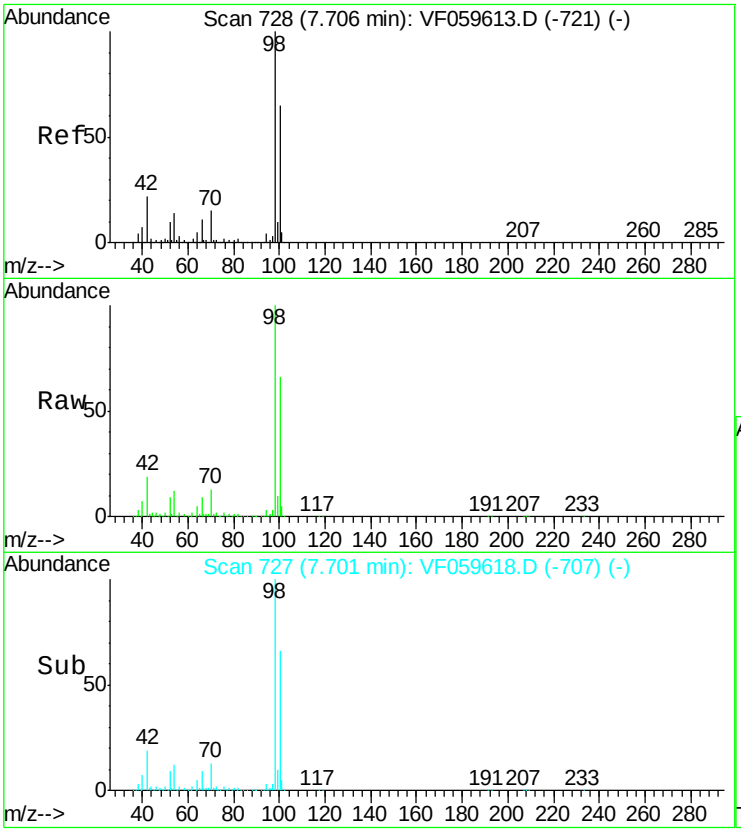


#49
1,4-Dioxane
Concen: Below Cal
RT: 6.86 min Scan# 642
Delta R.T. 0.00 min
Lab File: VF059618.D
Acq: 23 Jul 2018 17:03

Tgt Ion: 88 Resp: 66

Ion	Ratio	Lower	Upper
88	100		
43	205.4	54.2	81.4#
58	110.8	54.3	81.5#



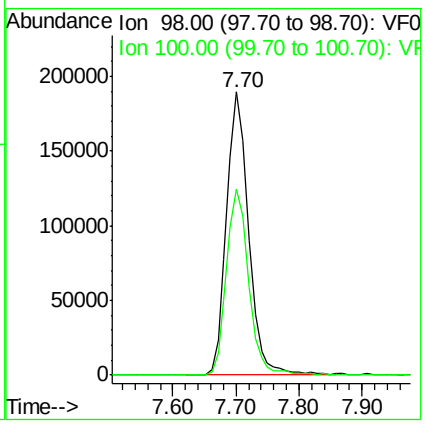


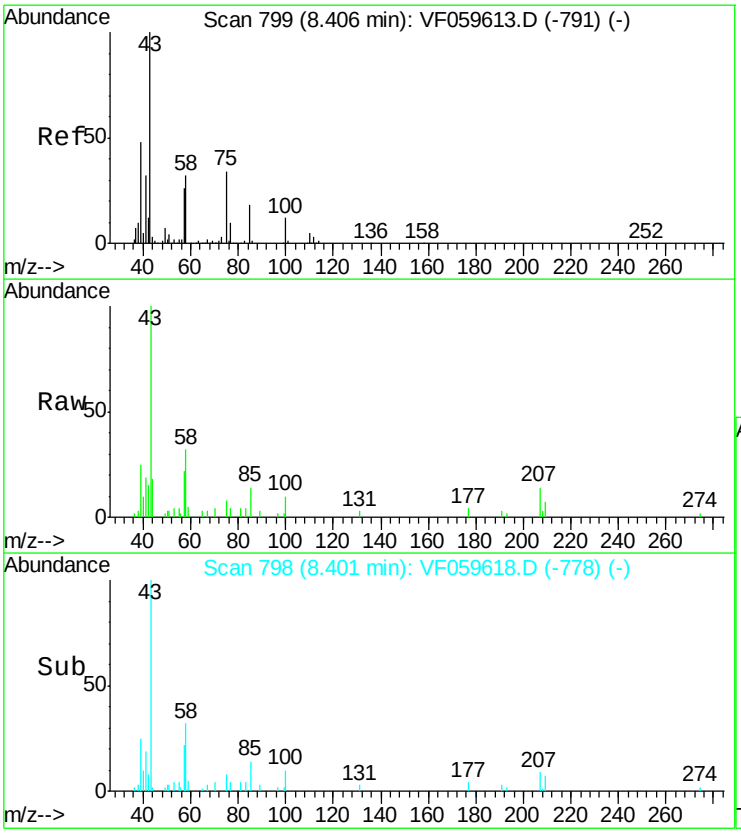
#50
Toluene-d8
Concen: 49.878 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.01 min
Lab File: VF059618.D
Acq: 23 Jul 2018 17:03

Instrument :
MSVOA_F
ClientSampleId :
VF0723SBL01

Tgt Ion: 98 Resp: 460742

Ion	Ratio	Lower	Upper
98	100		
100	65.8	51.6	77.4

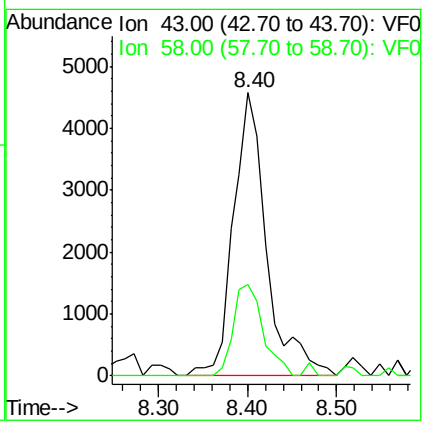


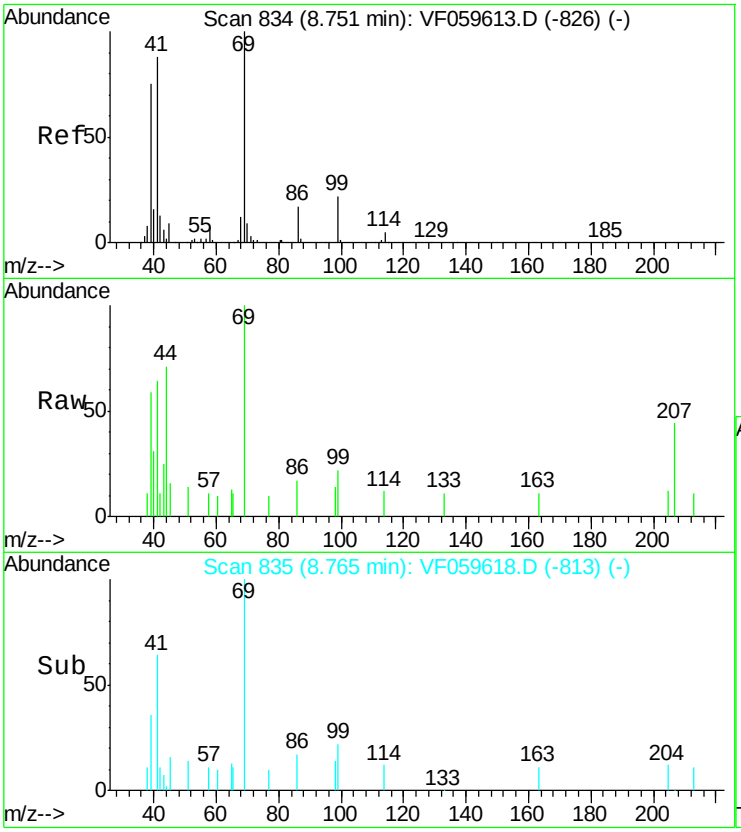


#51
4-Methyl-2-Pentanone
Concen: 7.903 ug/l
RT: 8.40 min Scan# 798
Delta R.T. -0.01 min
Lab File: VF059618.D
Acq: 23 Jul 2018 17:03

Tgt Ion: 43 Resp: 11978

Ion	Ratio	Lower	Upper
43	100		
58	32.2	25.8	38.6



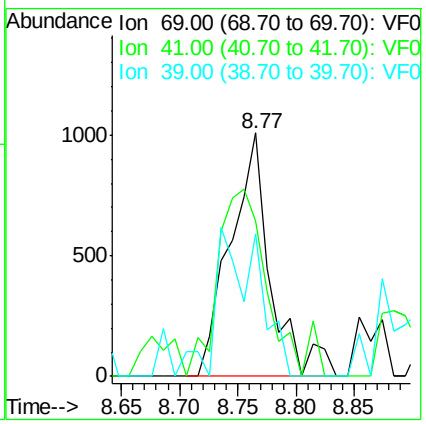


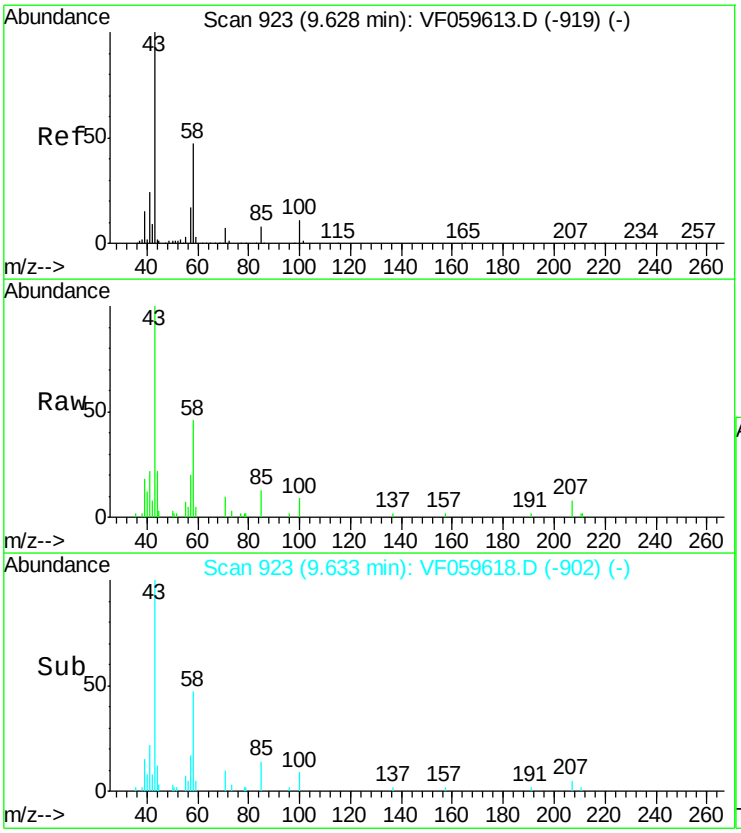
#56
Ethyl methacrylate
Concen: 1.125 ug/l
RT: 8.77 min Scan# 835
Delta R.T. 0.01 min
Lab File: VF059618.D
Acq: 23 Jul 2018 17:03

Instrument :
MSVOA_F
ClientSampleId :
VF0723SBL01

Tgt Ion: 69 Resp: 2414

Ion	Ratio	Lower	Upper
69	100		
41	63.7	70.8	106.2#
39	58.7	60.7	91.1#

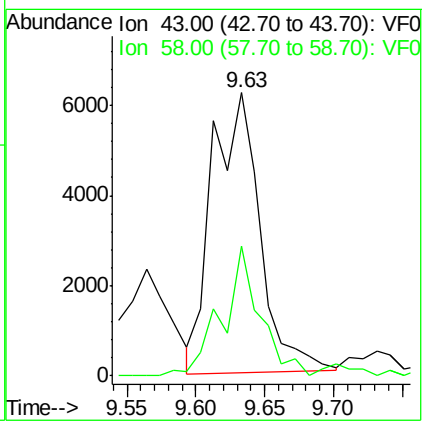


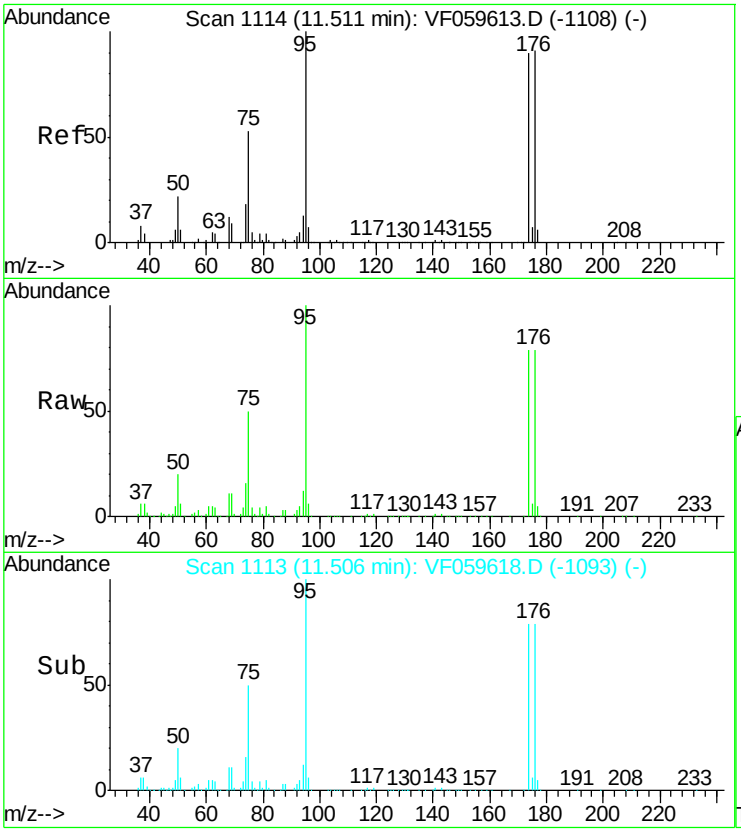


#59
2-Hexanone
Concen: 12.181 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF059618.D
Acq: 23 Jul 2018 17:03

Tgt Ion: 43 Resp: 14983

Ion	Ratio	Lower	Upper
43	100		
58	45.8	21.1	63.4



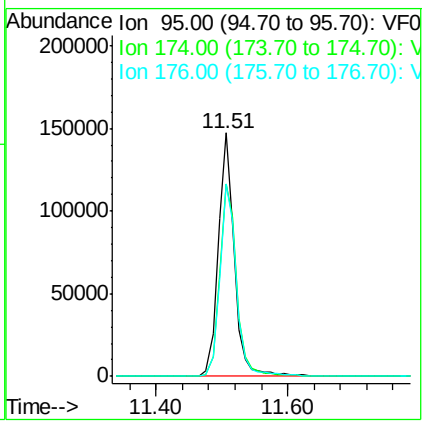


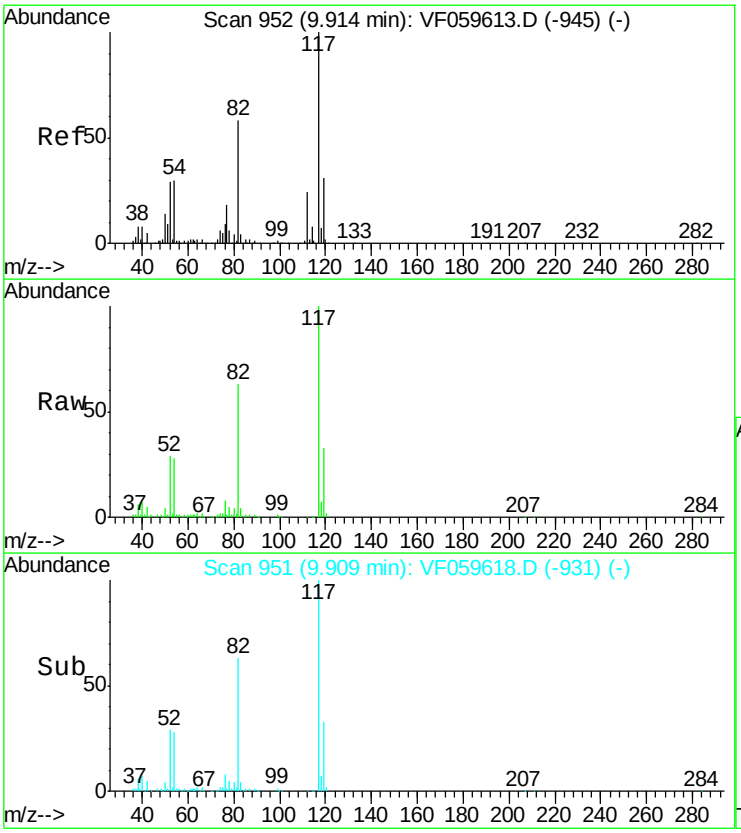
#62
4-Bromofluorobenzene
Concen: 46.745 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VF059618.D
Acq: 23 Jul 2018 17:03

Instrument :
MSVOA_F
ClientSampleId :
VF0723SBL01

Tgt Ion: 95 Resp: 249260

Ion	Ratio	Lower	Upper
95	100		
174	78.9	0.0	180.6
176	79.2	0.0	182.4

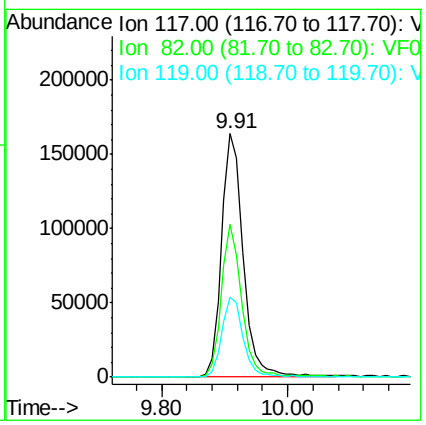


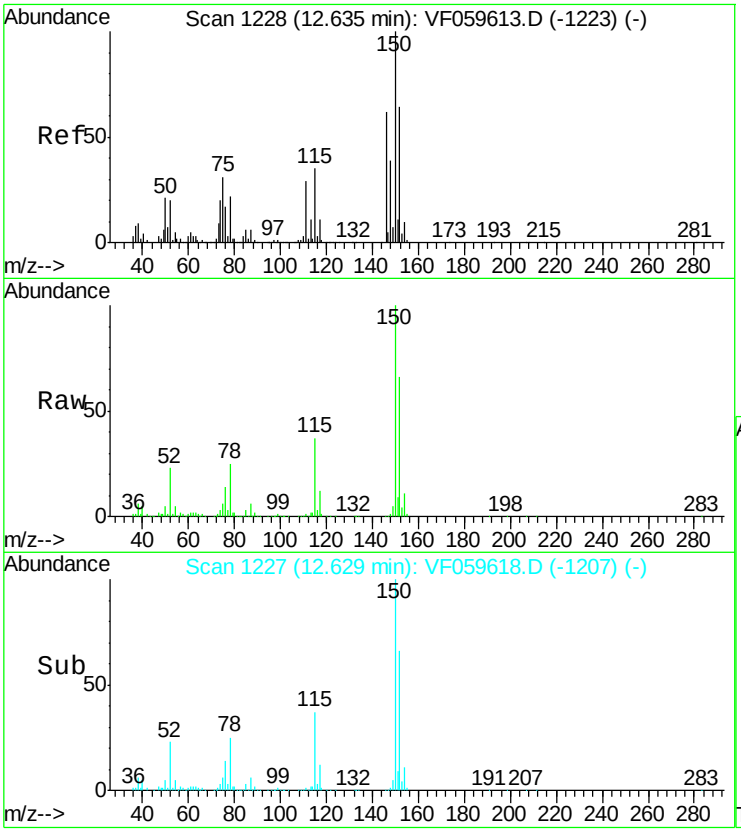


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF059618.D
Acq: 23 Jul 2018 17:03

Tgt Ion:117 Resp: 392543

Ion	Ratio	Lower	Upper
117	100		
82	62.8	46.5	69.7
119	32.6	24.4	36.6



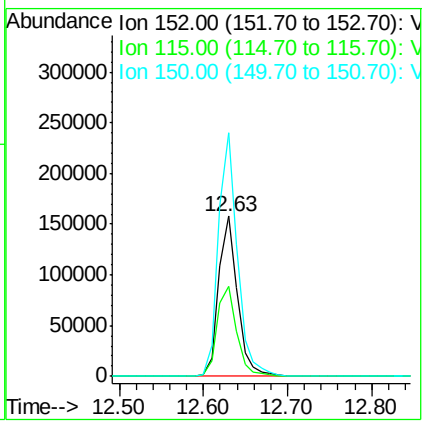


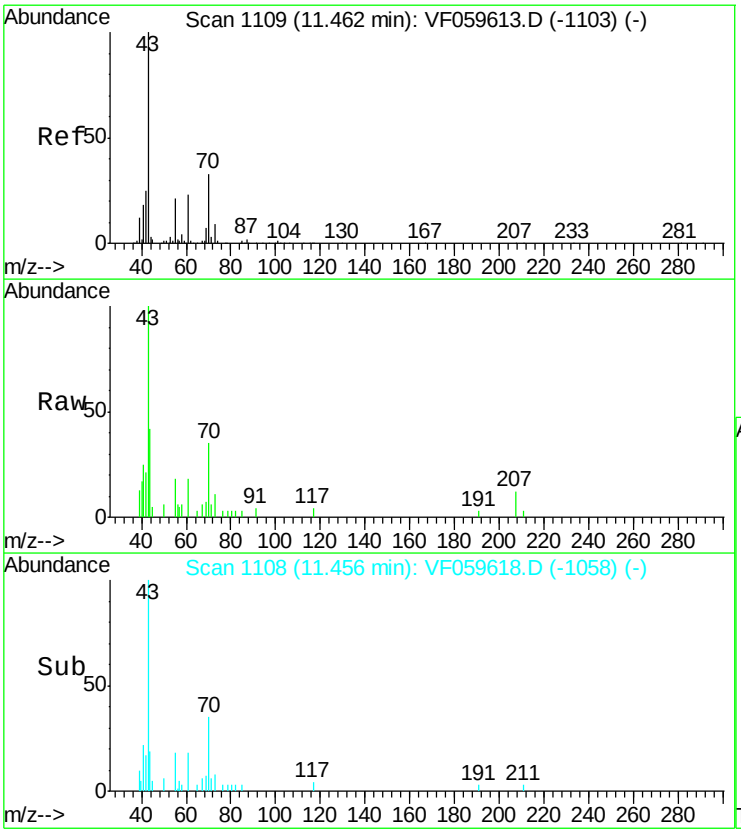
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF059618.D
Acq: 23 Jul 2018 17:03

Instrument : MSVOA_F
ClientSampleId : VF0723SBL01

Tgt Ion:152 Resp: 246836

Ion	Ratio	Lower	Upper
152	100		
115	56.3	27.8	83.4
150	151.9	0.0	314.6

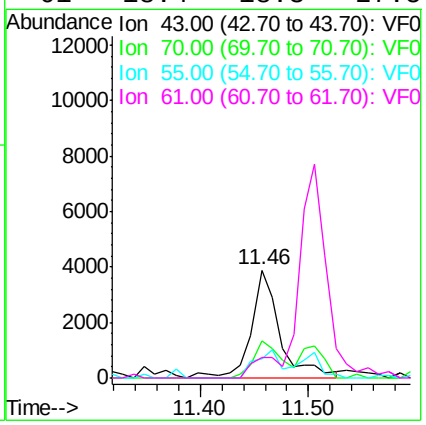


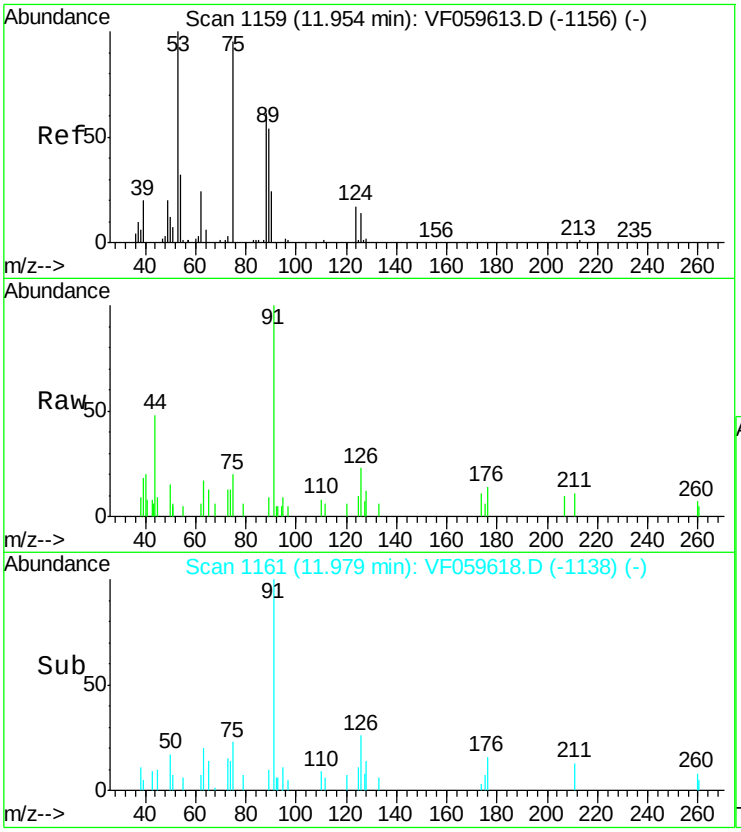


#74
N-amyl acetate
Concen: 2.052 ug/l
RT: 11.46 min Scan# 1108
Delta R.T. -0.01 min
Lab File: VF059618.D
Acq: 23 Jul 2018 17:03

Tgt Ion: 43 Resp: 7233

Ion	Ratio	Lower	Upper
43	100		
70	35.0	26.6	40.0
55	17.8	17.0	25.6
61	18.4	18.3	27.5



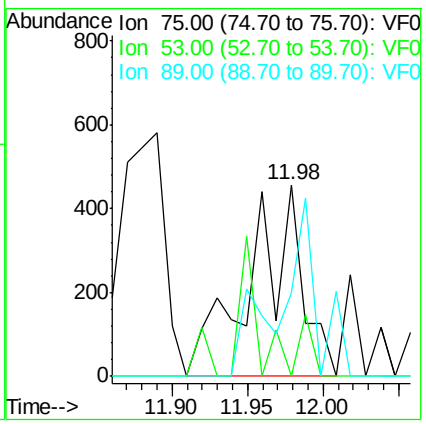


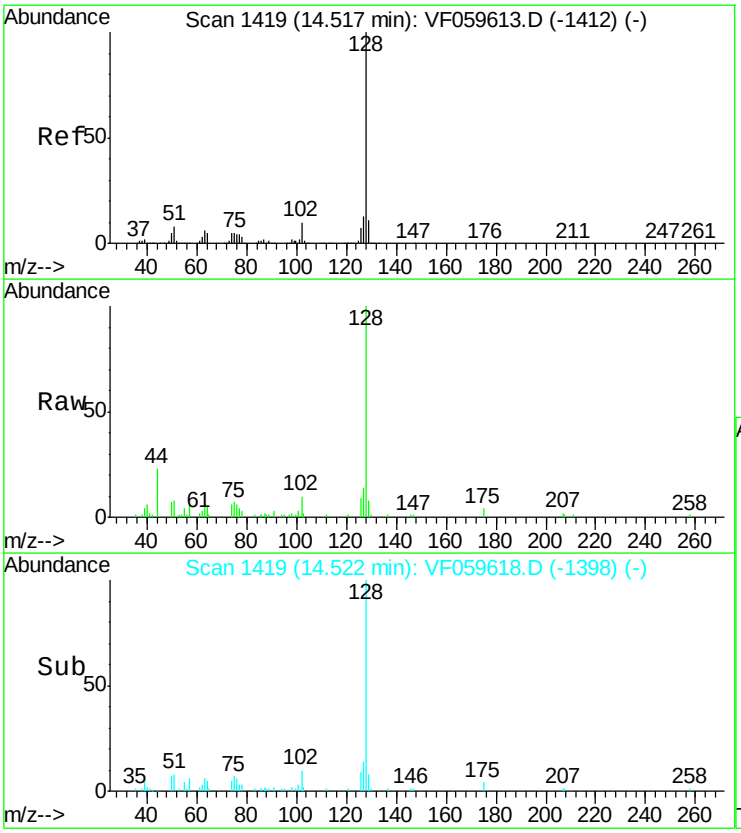
#81
trans-1,4-Dichloro-2-butene
Concen: 1.193 ug/l
RT: 11.98 min Scan# 1161
Delta R.T. 0.02 min
Lab File: VF059618.D
Acq: 23 Jul 2018 17:03

Instrument :
MSVOA_F
ClientSampleId :
VF0723SBL01

Tgt Ion: 75 Resp: 1088

Ion	Ratio	Lower	Upper
75	100		
53	0.0	86.4	129.6#
89	44.1	46.8	70.2#

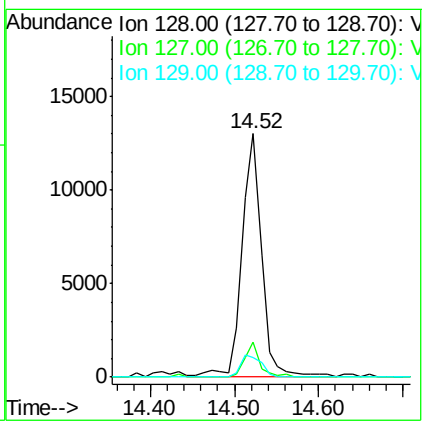


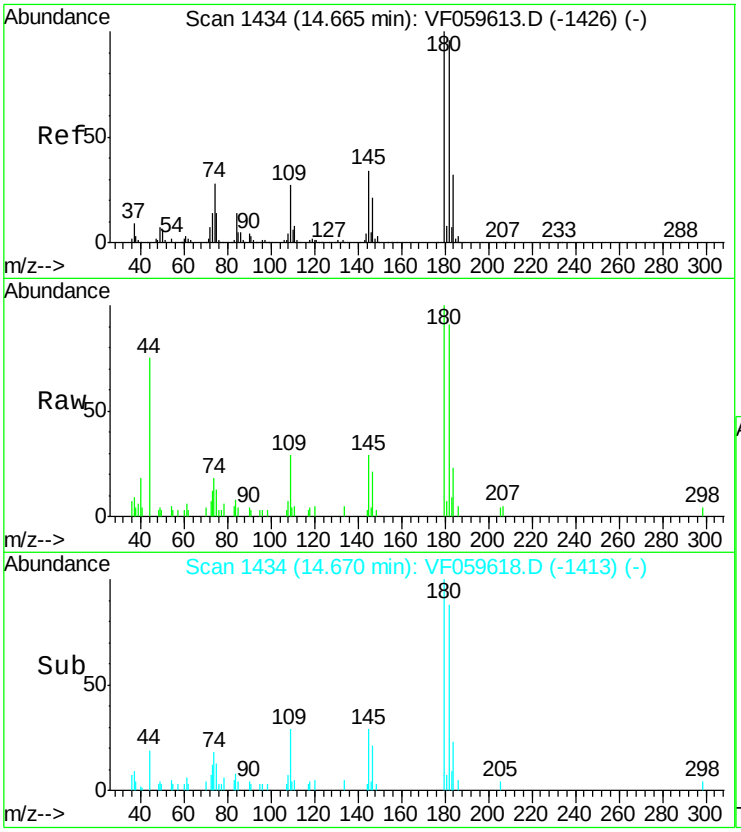


#95
Naphthalene
Concen: 2.426 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF059618.D
Acq: 23 Jul 2018 17:03

Tgt Ion:128 Resp: 21382

Ion	Ratio	Lower	Upper
128	100		
127	14.4	10.2	15.2
129	8.1	9.1	13.7#





#96
1,2,3-Trichlorobenzene
Concen: 1.104 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059618.D
Acq: 23 Jul 2018 17:03

Instrument :
MSVOA_F
ClientSampleId :
VF0723SBL01

Tgt Ion:180 Resp: 5447

Ion	Ratio	Lower	Upper
180	100		
182	90.9	48.0	144.2
145	29.1	17.1	51.2