Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF040419\
Data File : VF062164.D
Acq On : 4 Apr 2019 18:32
Operator : FY/SY
Sample : VIBLK
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : BFB

Quant Time: Apr 05 05:54:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F040419S.M
Quant Title : SW846 8260
QLast Update : Fri Apr 05 05:27:08 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	220367	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.57	114	354698	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.75	117	275962	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	138934	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	125710	48.60	ug/l	-0.01
Spiked Amount 50.000			Recovery = 97.20%			
35) Dibromofluoromethane	4.09	113	125661	46.70	ug/l	0.00
Spiked Amount 50.000			Recovery = 93.40%			
50) Toluene-d8	7.52	98	351977	45.00	ug/l	-0.01
Spiked Amount 50.000			Recovery = 90.00%			
62) 4-Bromofluorobenzene	11.39	95	157306	49.77	ug/l	0.00
Spiked Amount 50.000			Recovery = 99.54%			
Target Compounds						Qvalue
5) Bromomethane	1.26	94	1018	Below Cal		92
8) Diethyl Ether	1.60	74	1323	1.628	ug/l	93
11) Tert butyl alcohol	2.56	59	1056	9.236	ug/l #	1
12) 1,1-Dichloroethene	1.78	96	296	Below Cal	#	1
13) Acrolein	1.99	56	613	5.039	ug/l	85
15) Acrylonitrile	2.91	53	1466	4.298	ug/l #	58
16) Acetone	2.10	43	1514	3.025	ug/l	95
18) Methyl Acetate	2.36	43	8278	7.222	ug/l #	77
20) Methylene Chloride	2.18	84	6336	2.288	ug/l #	78
23) Vinyl Acetate	3.16	43	10042	3.101	ug/l	99
25) 2-Butanone	4.31	43	3670	4.159	ug/l #	56
29) Tetrahydrofuran	4.04	42	3209	8.501	ug/l #	84
41) Methacrylonitrile	4.70	41	2346	2.375	ug/l #	55
43) Isopropyl Acetate	6.95	43	3732	1.880	ug/l #	68
48) Methyl methacrylate	6.70	41	1819	Below Cal	#	71
49) 1,4-Dioxane	6.67	88	69	Below Cal	#	1
51) 4-Methyl-2-Pentanone	8.24	43	11101	7.404	ug/l	98
56) Ethyl methacrylate	8.60	69	2604	1.255	ug/l #	72
58) 2-Chloroethyl Vinyl ether	7.28	63	1121	3.900	ug/l #	3
59) 2-Hexanone	9.36	43	1303	1.207	ug/l	90
74) N-amyl acetate	11.35	43	9047	2.879	ug/l #	92
81) trans-1,4-Dichloro-2-buten	11.85	75	984	1.707	ug/l #	59
92) 1,2-Dibromo-3-Chloropropan	13.60	75	603	1.513	ug/l #	1
95) Naphthalene	14.44	128	14920	2.821	ug/l	99
96) 1,2,3-Trichlorobenzene	14.58	180	3159	1.131	ug/l	97

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

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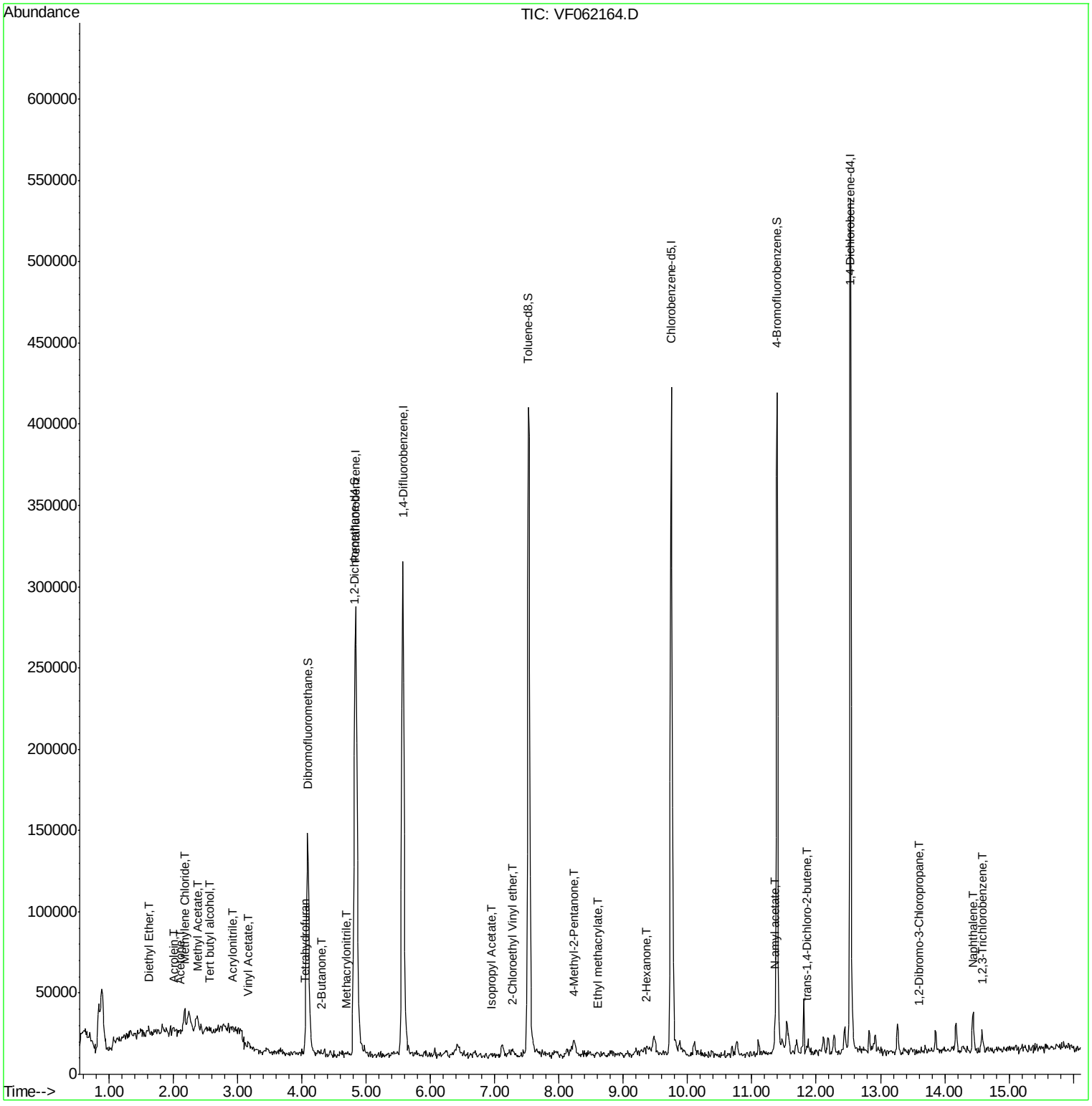
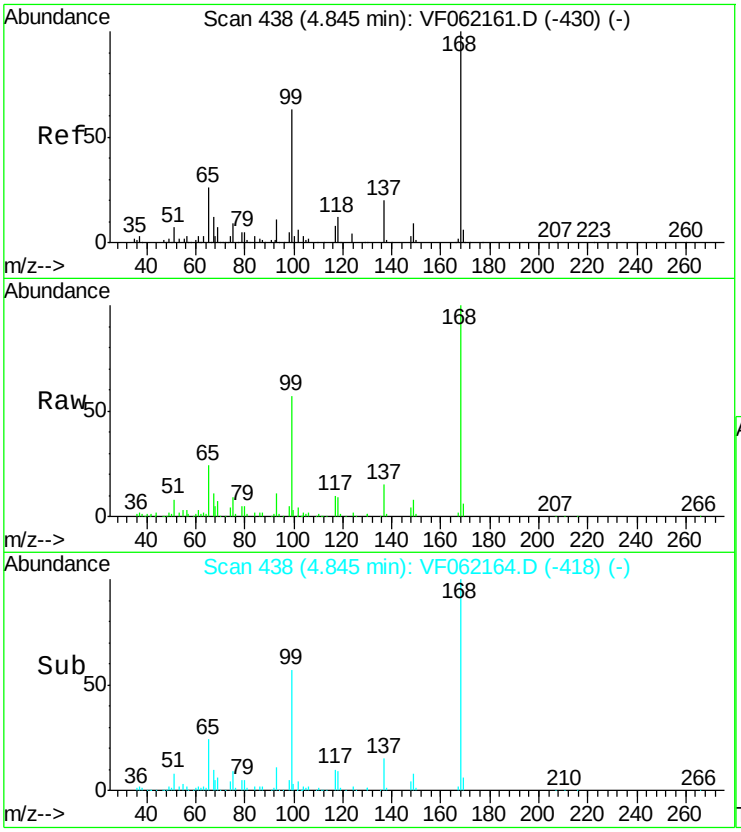


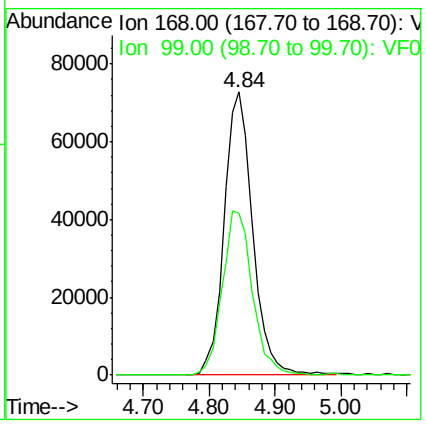


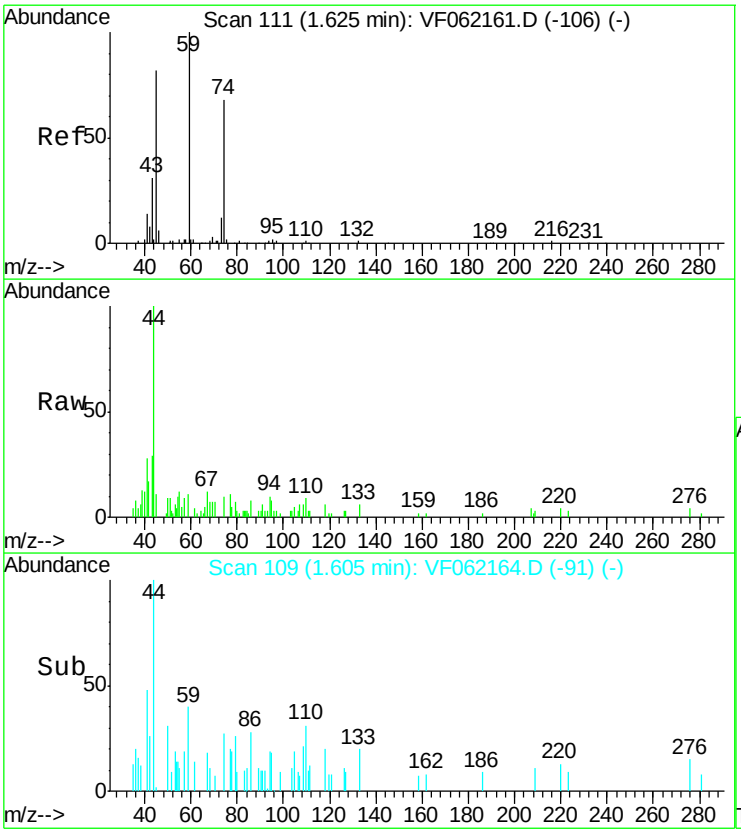
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.84 min Scan# 438
Delta R.T. -0.00 min
Lab File: VF062164.D
Acq: 4 Apr 2019 18:32

Instrument :
MSVOA_F
ClientSampleId :
BFB

Tgt Ion:168 Resp: 220367

Ion	Ratio	Lower	Upper
168	100		
99	57.4	50.5	75.7

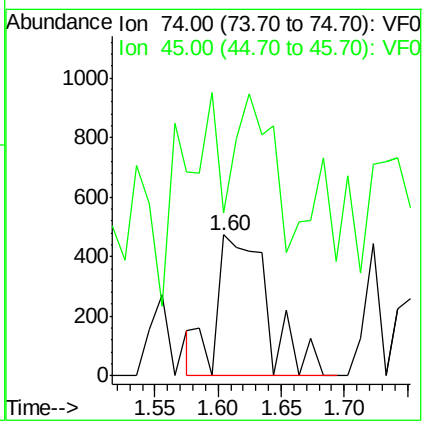


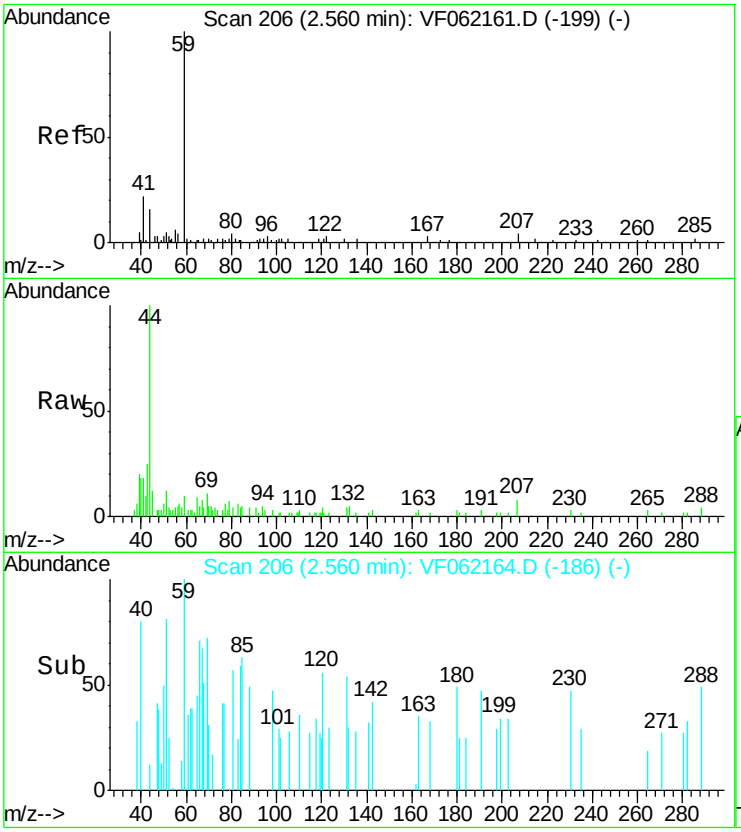


#8
Diethyl Ether
Concen: 1.628 ug/l
RT: 1.60 min Scan# 109
Delta R.T. -0.02 min
Lab File: VF062164.D
Acq: 4 Apr 2019 18:32

Tgt Ion: 74 Resp: 1323

Ion	Ratio	Lower	Upper
74	100		
45	116.1	61.9	185.6



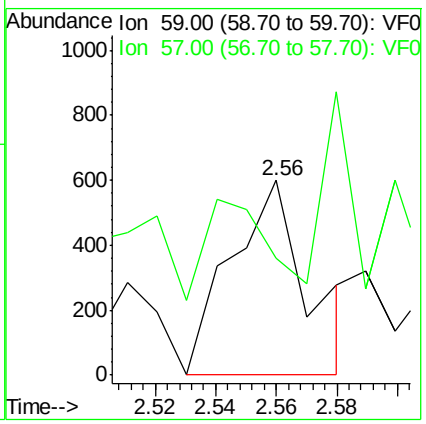


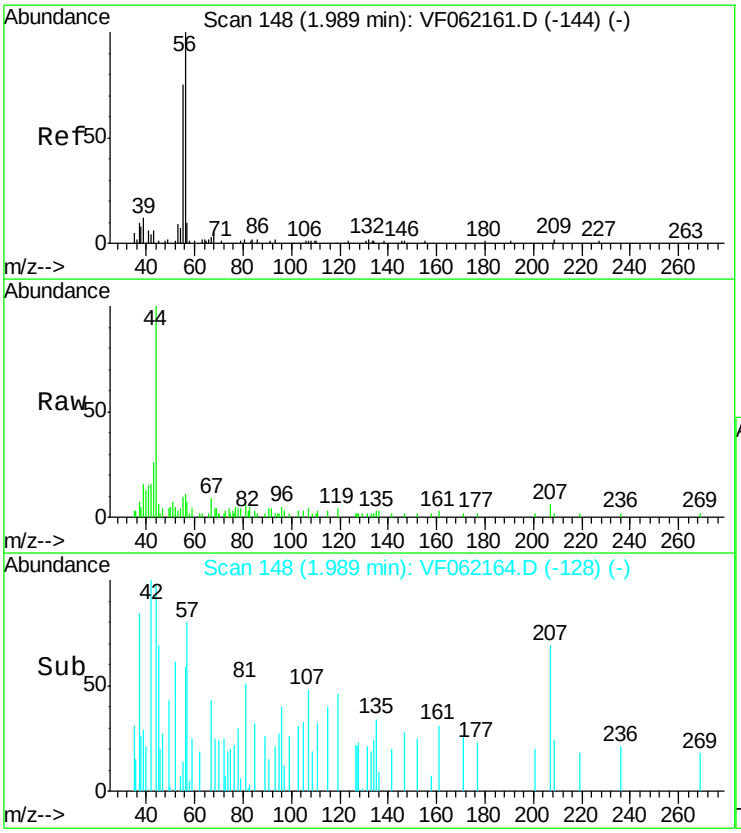
#11
Tert butyl alcohol
Concen: 9.236 ug/l
RT: 2.56 min Scan# 206
Delta R.T. -0.00 min
Lab File: VF062164.D
Acq: 4 Apr 2019 18:32

Instrument :
MSVOA_F
ClientSampleId :
BFB

Tgt Ion: 59 Resp: 1056

Ion	Ratio	Lower	Upper
59	100		
57	60.1	9.5	14.3#

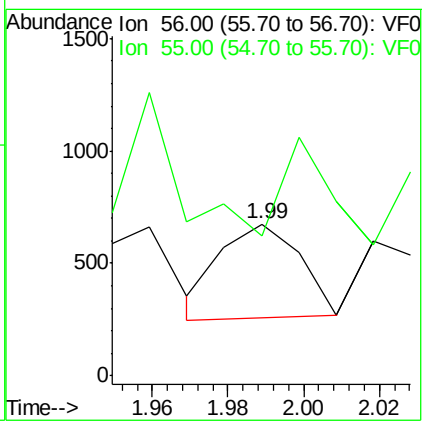


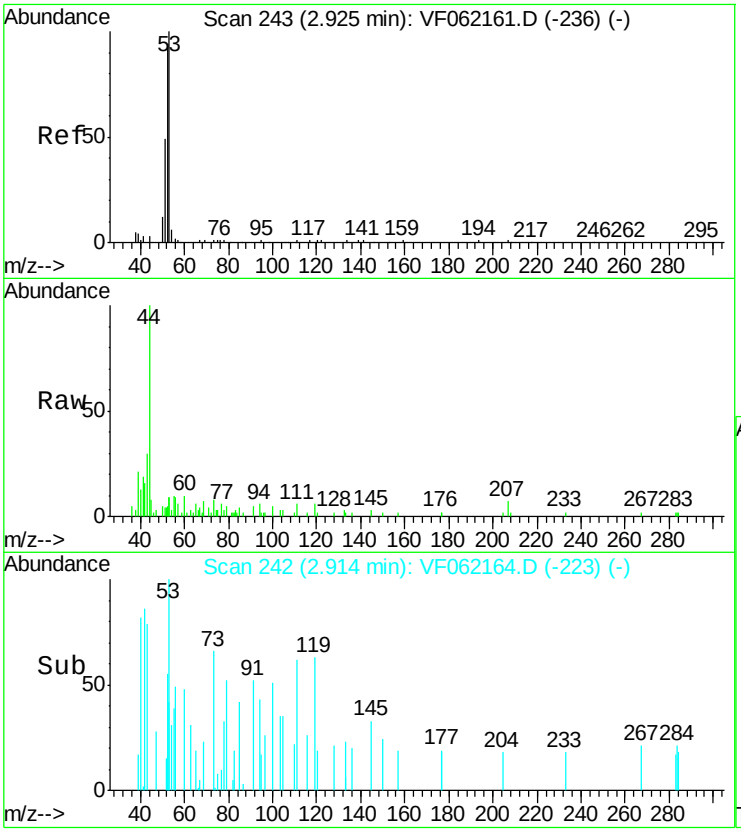


#13
Acrolein
Concen: 5.039 ug/l
RT: 1.99 min Scan# 148
Delta R.T. -0.00 min
Lab File: VF062164.D
Acq: 4 Apr 2019 18:32

Tgt Ion: 56 Resp: 613

Ion	Ratio	Lower	Upper
56	100		
55	92.3	63.5	95.3



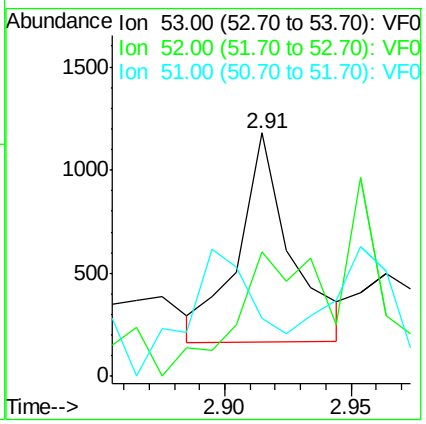


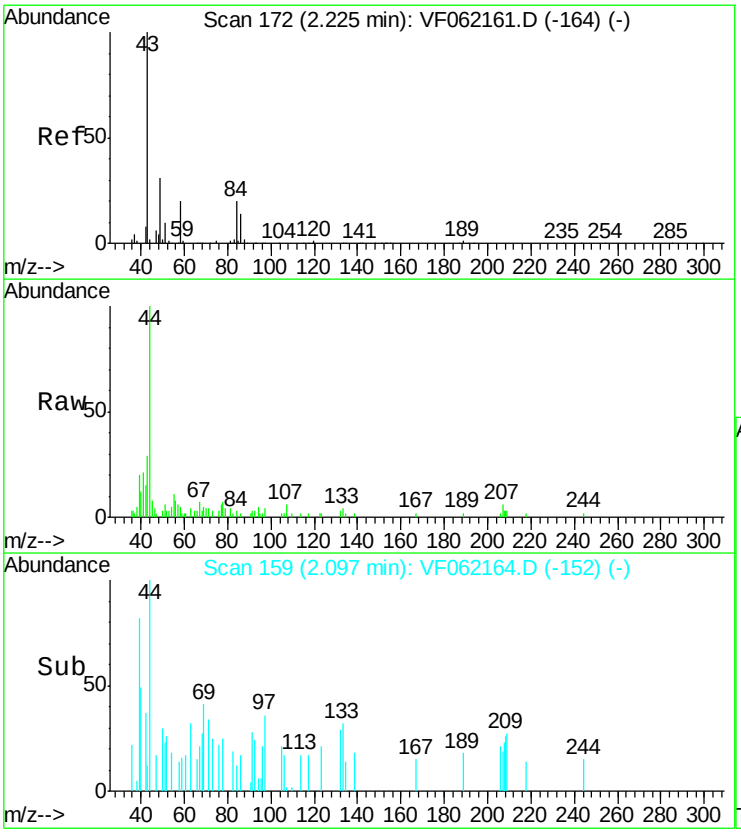
#15
Acrylonitrile
Concen: 4.298 ug/l
RT: 2.91 min Scan# 242
Delta R.T. -0.01 min
Lab File: VF062164.D
Acq: 4 Apr 2019 18:32

Instrument : MSVOA_F
ClientSampleId : BFB

Tgt Ion: 53 Resp: 1466

Ion	Ratio	Lower	Upper
53	100		
52	51.4	75.5	113.3#
51	23.8	39.7	59.5#

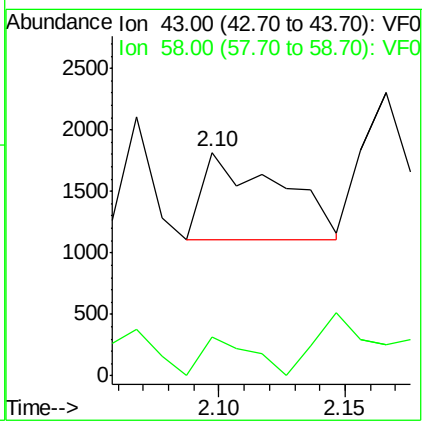


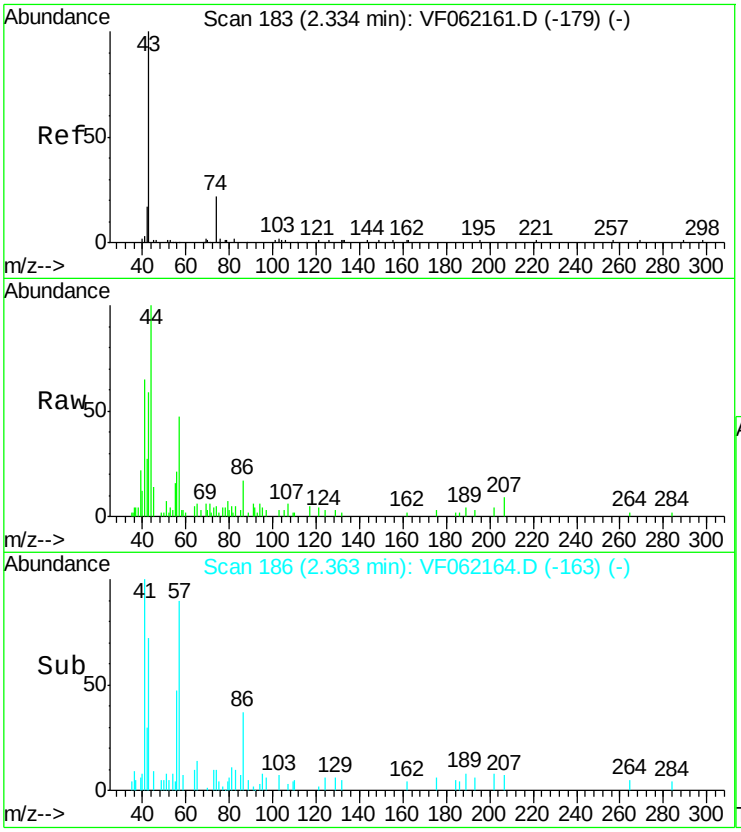


#16
Acetone
Concen: 3.025 ug/l
RT: 2.10 min Scan# 159
Delta R.T. -0.13 min
Lab File: VF062164.D
Acq: 4 Apr 2019 18:32

Tgt Ion: 43 Resp: 1514

Ion	Ratio	Lower	Upper
43	100		
58	17.4	15.7	23.5



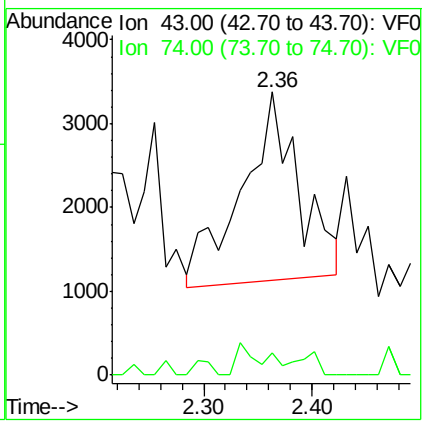


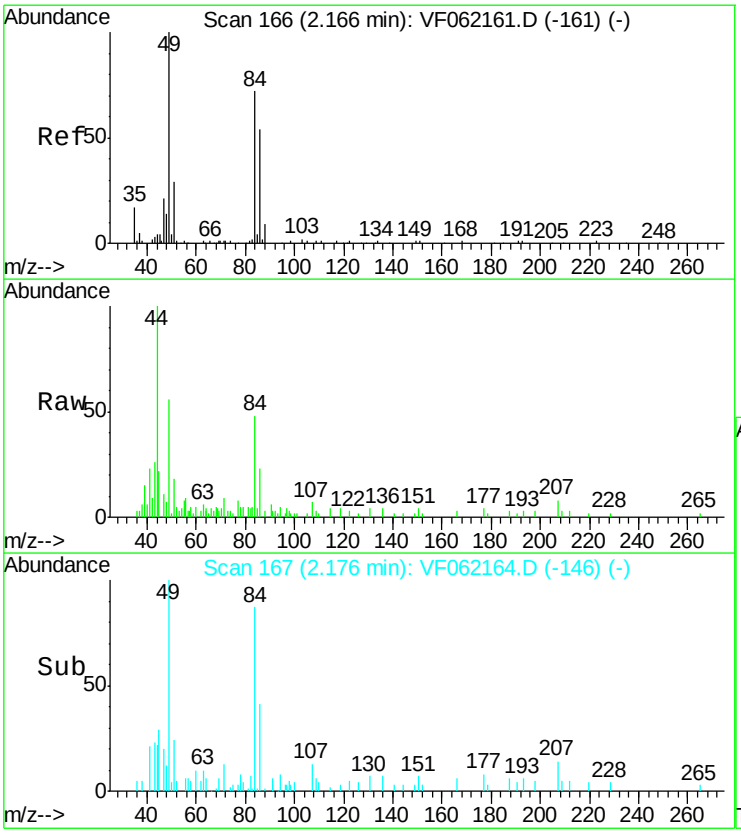
#18
Methyl Acetate
Concen: 7.222 ug/l
RT: 2.36 min Scan# 186
Delta R.T. 0.03 min
Lab File: VF062164.D
Acq: 4 Apr 2019 18:32

Instrument :
MSVOA_F
ClientSampleId :
BFB

Tgt Ion: 43 Resp: 8278

Ion	Ratio	Lower	Upper
43	100		
74	7.8	14.3	21.5#

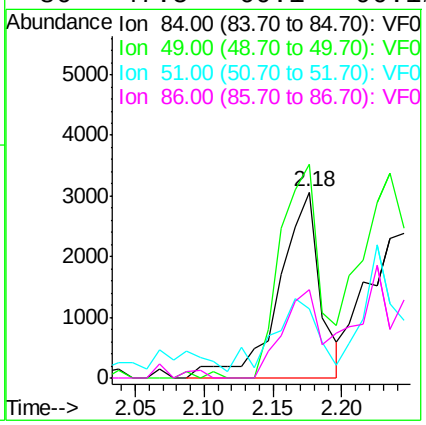


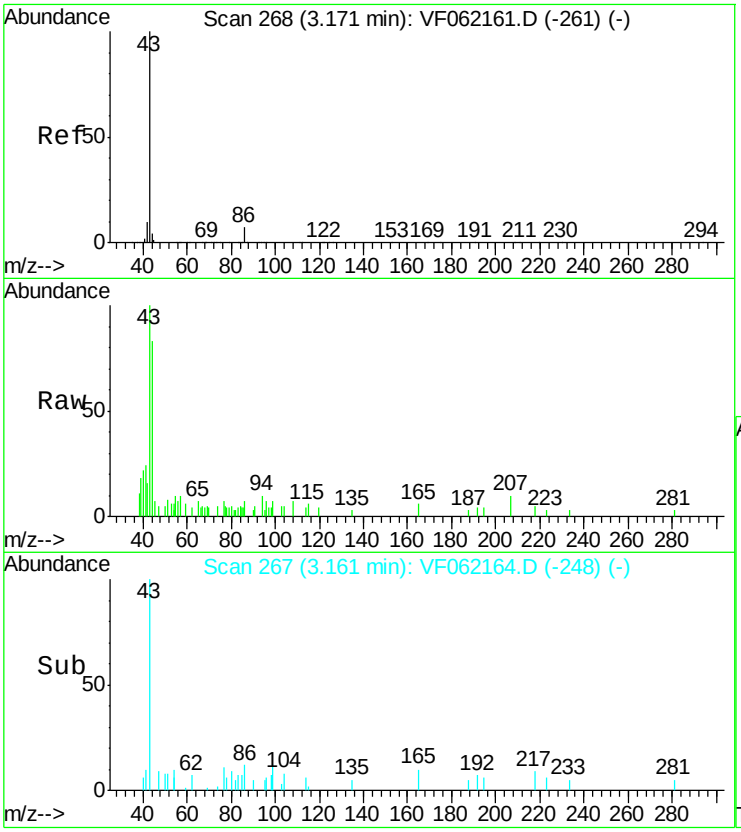


#20
Methylene Chloride
Concen: 2.288 ug/l
RT: 2.18 min Scan# 167
Delta R.T. 0.01 min
Lab File: VF062164.D
Acq: 4 Apr 2019 18:32

Tgt Ion: 84 Resp: 6336

Ion	Ratio	Lower	Upper
84	100		
49	115.1	112.6	168.8
51	37.1	33.4	50.2
86	47.5	60.1	90.1#



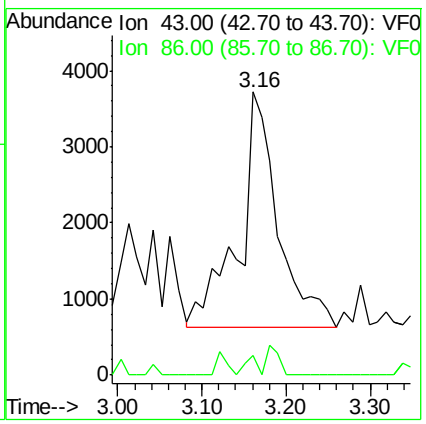


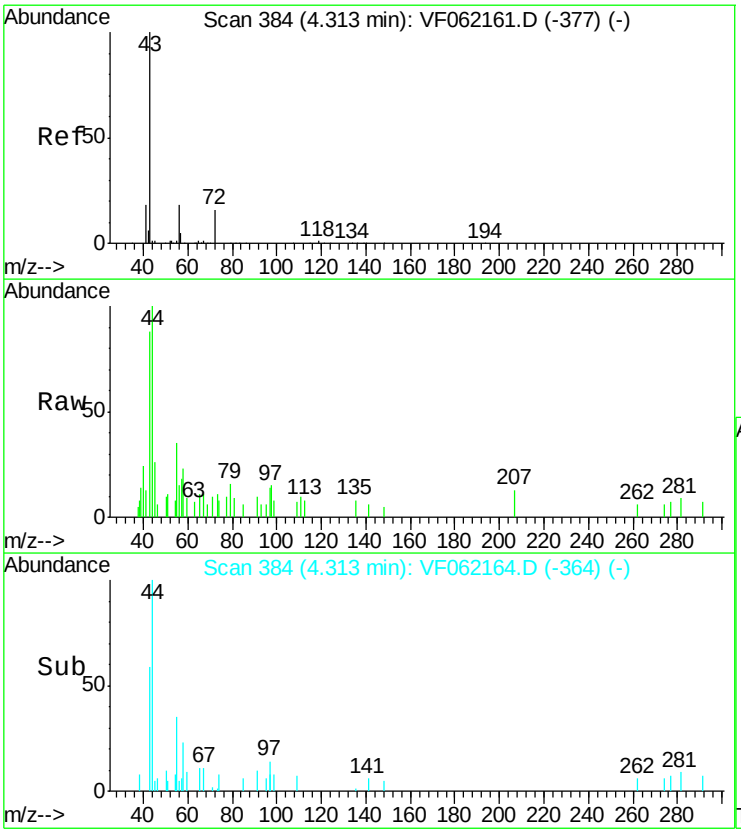
#23
Vinyl Acetate
Concen: 3.101 ug/l
RT: 3.16 min Scan# 267
Delta R.T. -0.01 min
Lab File: VF062164.D
Acq: 4 Apr 2019 18:32

Instrument :
MSVOA_F
ClientSampleId :
BFB

Tgt Ion: 43 Resp: 10042

Ion	Ratio	Lower	Upper
43	100		
86	6.8	5.7	8.5

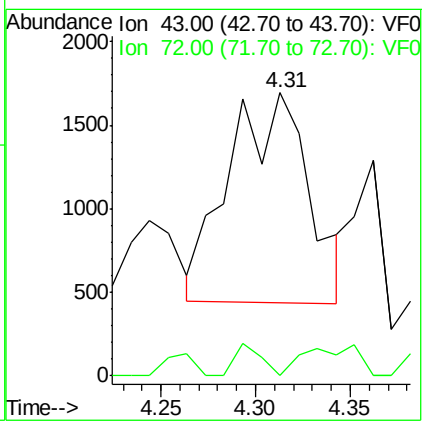


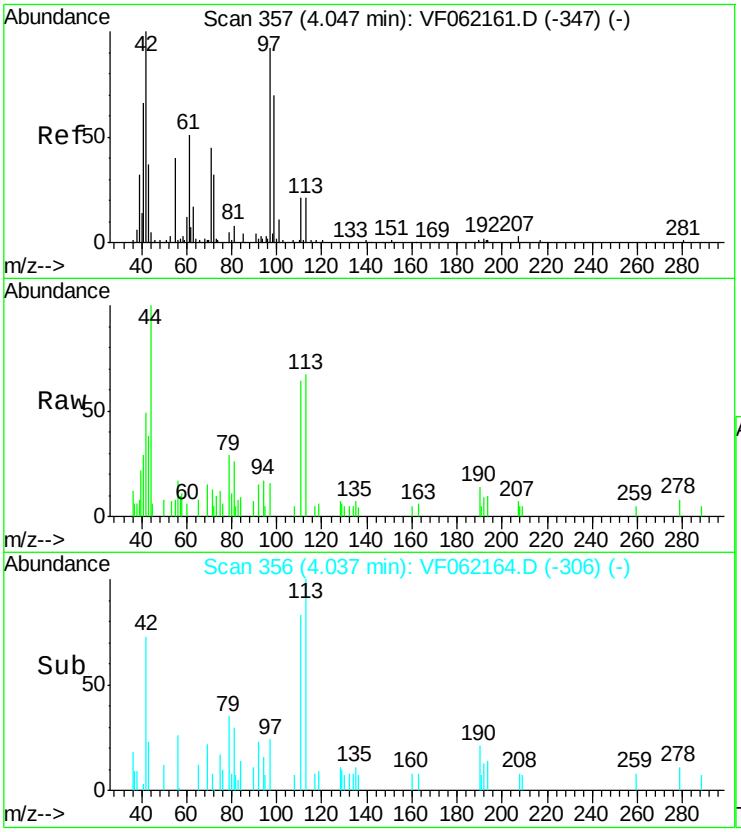


#25
2-Butanone
Concen: 4.159 ug/l
RT: 4.31 min Scan# 384
Delta R.T. -0.00 min
Lab File: VF062164.D
Acq: 4 Apr 2019 18:32

Tgt Ion: 43 Resp: 3670

Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.4	24.6#



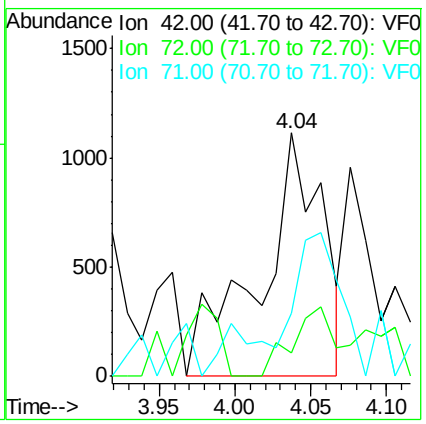


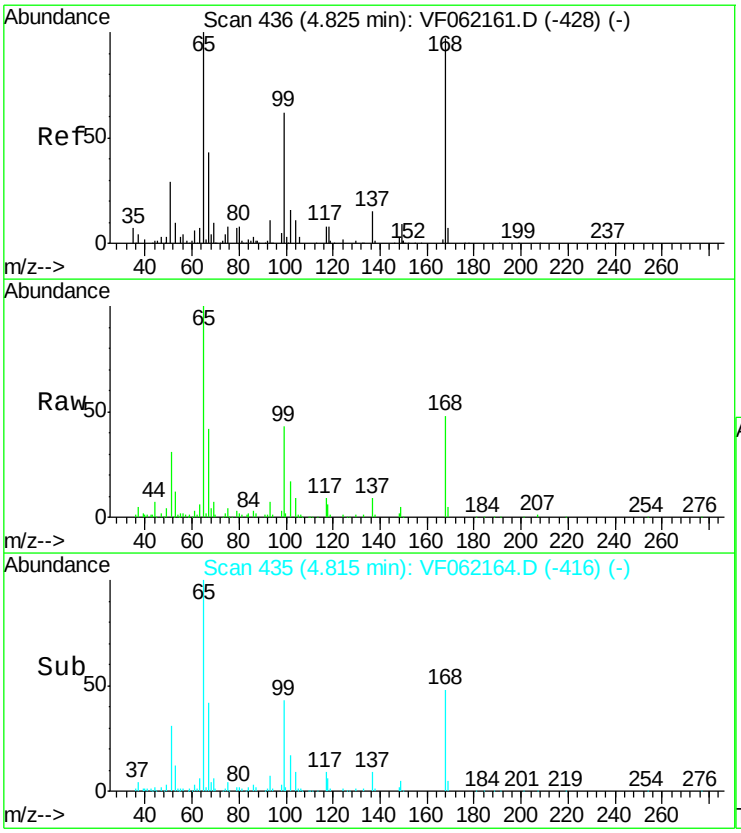
#29
Tetrahydrofuran
Concen: 8.501 ug/l
RT: 4.04 min Scan# 356
Delta R.T. -0.01 min
Lab File: VF062164.D
Acq: 4 Apr 2019 18:32

Instrument :
MSVOA_F
ClientSampleId :
BFB

Tgt Ion: 42 Resp: 3209

Ion	Ratio	Lower	Upper
42	100		
72	20.7	30.9	46.3#
71	42.2	32.0	48.0

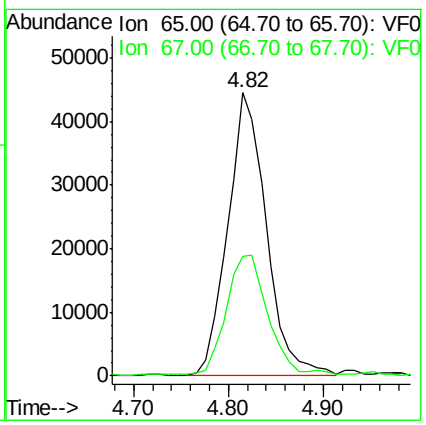


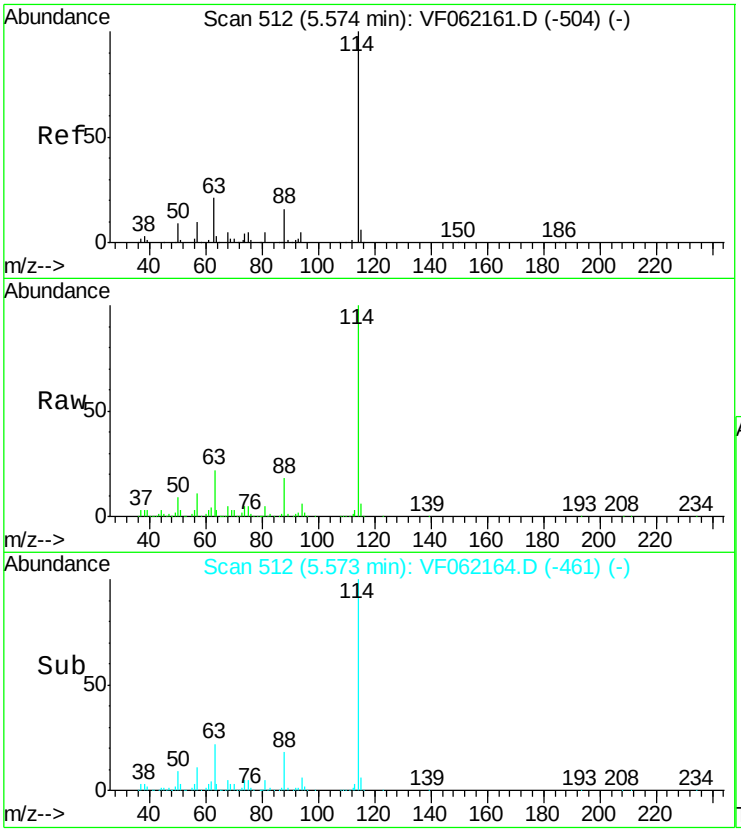


#33
1,2-Dichloroethane-d4
Concen: 48.605 ug/l
RT: 4.82 min Scan# 435
Delta R.T. -0.01 min
Lab File: VF062164.D
Acq: 4 Apr 2019 18:32

Tgt Ion: 65 Resp: 125710

Ion	Ratio	Lower	Upper
65	100		
67	42.1	0.0	96.0



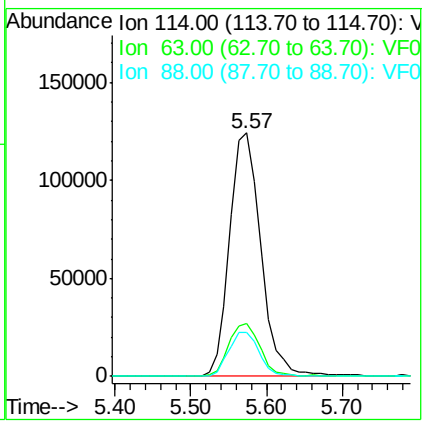


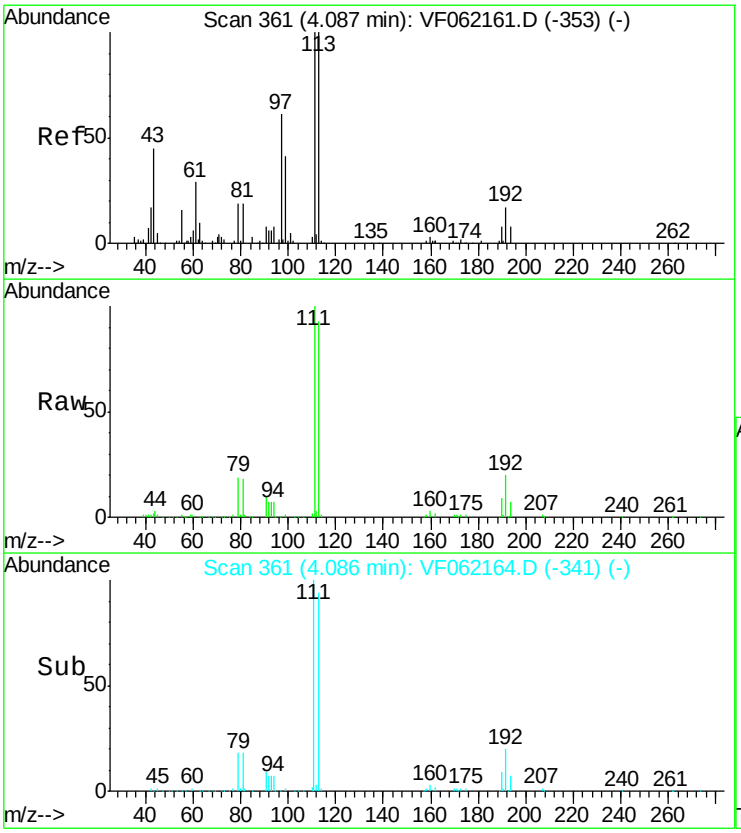
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.57 min Scan# 512
Delta R.T. -0.00 min
Lab File: VF062164.D
Acq: 4 Apr 2019 18:32

Instrument :
MSVOA_F
ClientSampleId :
BFB

Tgt Ion:114 Resp: 354698

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	41.8
88	17.9	0.0	31.4

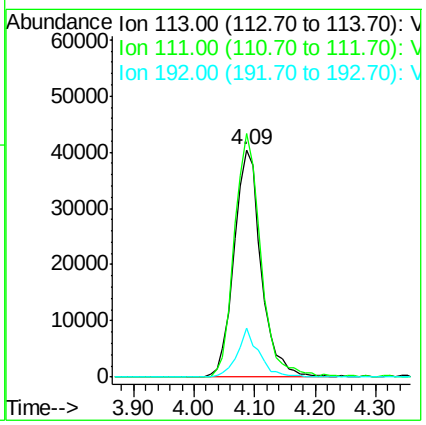


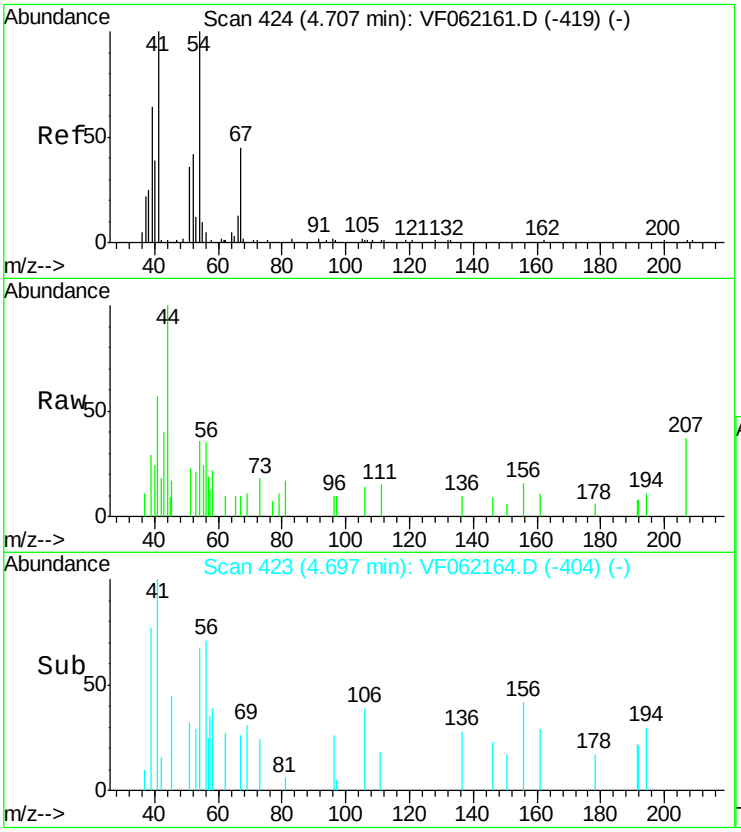


#35
Dibromofluoromethane
Concen: 46.701 ug/l
RT: 4.09 min Scan# 361
Delta R.T. -0.00 min
Lab File: VF062164.D
Acq: 4 Apr 2019 18:32

Tgt Ion:113 Resp: 125661

Ion	Ratio	Lower	Upper
113	100		
111	107.0	79.8	119.6
192	21.6	13.8	20.6#



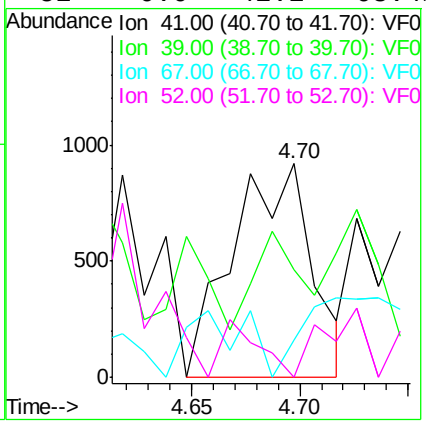


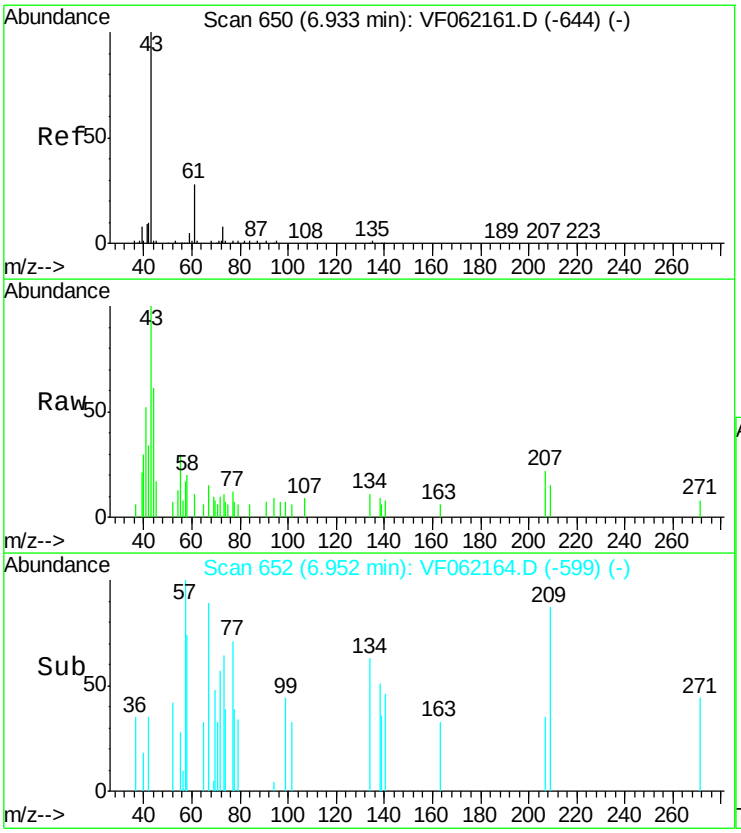
#41
Methacrylonitrile
Concen: 2.375 ug/l
RT: 4.70 min Scan# 423
Delta R.T. -0.01 min
Lab File: VF062164.D
Acq: 4 Apr 2019 18:32

Instrument : MSVOA_F
ClientSampleId : BFB

Tgt Ion: 41 Resp: 2346

Ion	Ratio	Lower	Upper
41	100		
39	50.1	56.5	84.7#
67	17.1	35.7	53.5#
52	0.0	42.2	63.4#

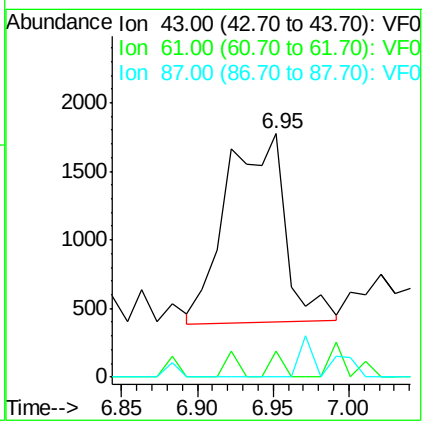


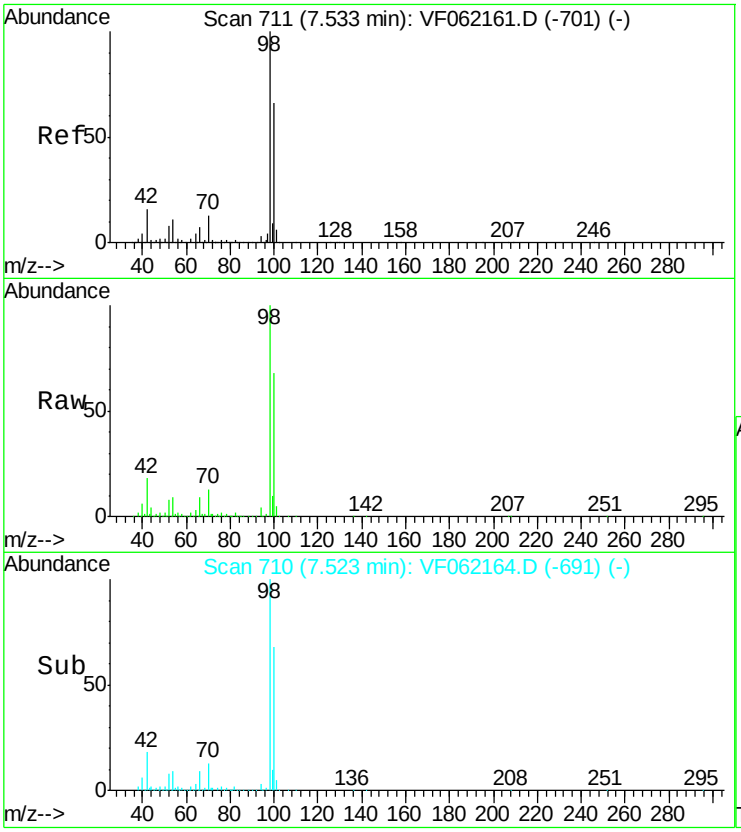


#43
Isopropyl Acetate
Concen: 1.880 ug/l
RT: 6.95 min Scan# 652
Delta R.T. 0.02 min
Lab File: VF062164.D
Acq: 4 Apr 2019 18:32

Tgt Ion: 43 Resp: 3732

Ion	Ratio	Lower	Upper
43	100		
61	10.8	22.5	33.7#
87	0.0	0.5	0.7#



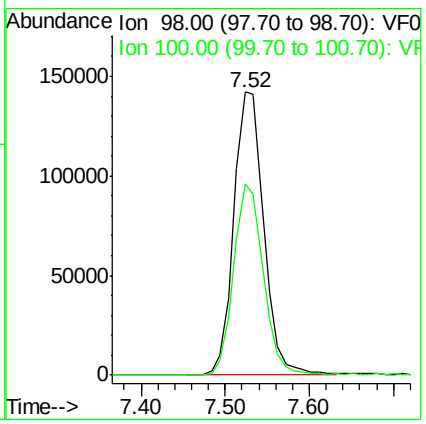


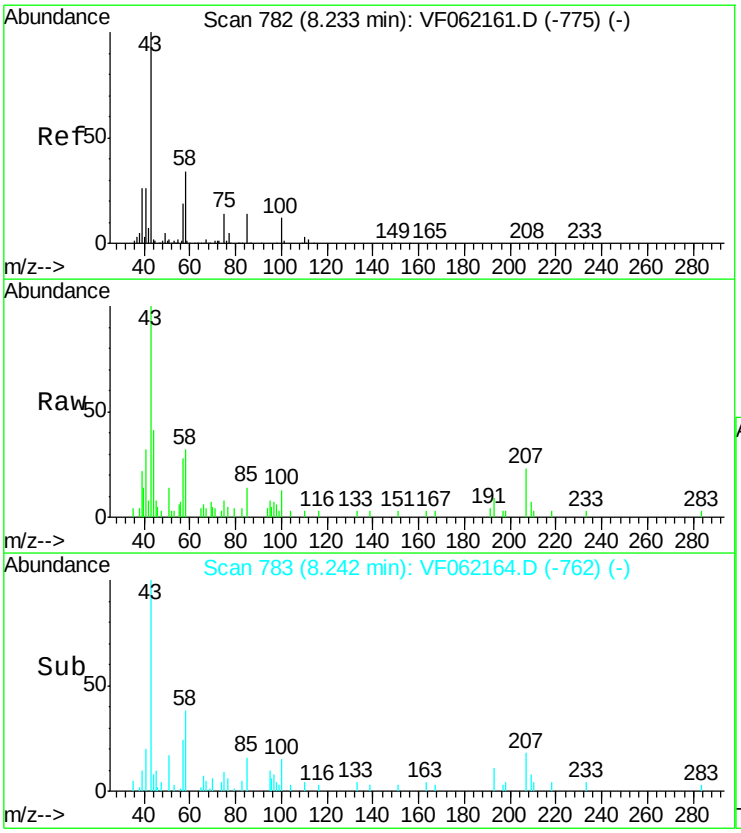
#50
Toluene-d8
Concen: 44.997 ug/l
RT: 7.52 min Scan# 710
Delta R.T. -0.01 min
Lab File: VF062164.D
Acq: 4 Apr 2019 18:32

Instrument :
MSVOA_F
ClientSampleId :
BFB

Tgt Ion: 98 Resp: 351977

Ion	Ratio	Lower	Upper
98	100		
100	67.6	52.6	78.8

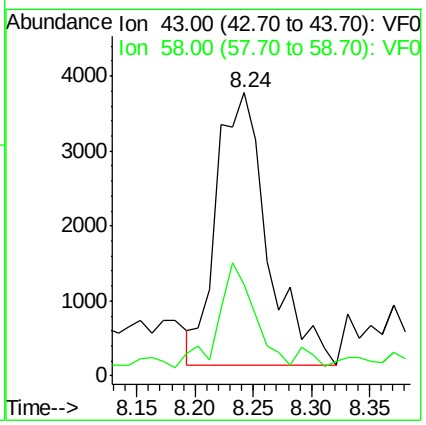


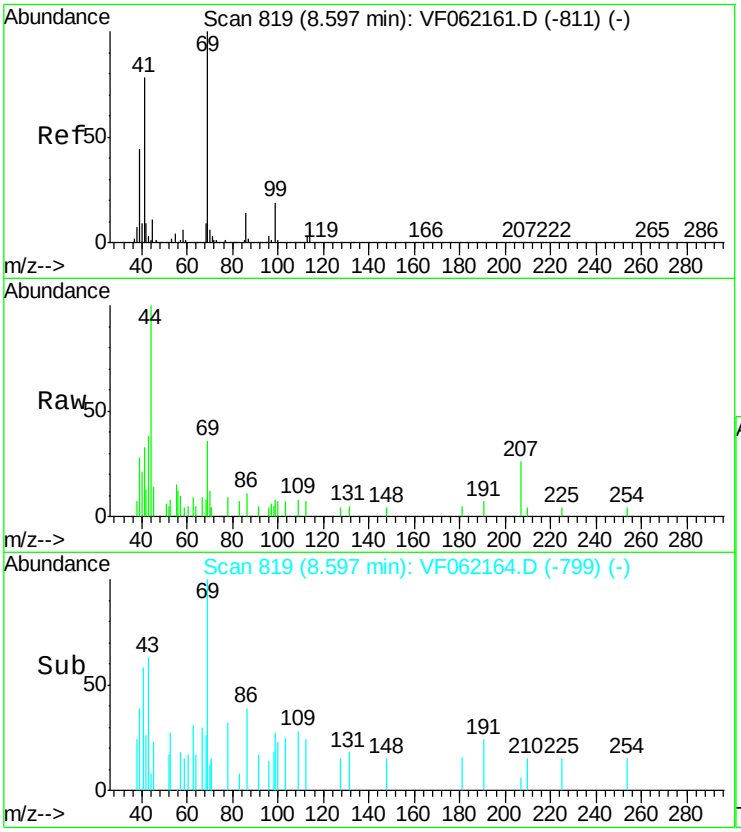


#51
4-Methyl-2-Pentanone
Concen: 7.404 ug/l
RT: 8.24 min Scan# 783
Delta R.T. 0.01 min
Lab File: VF062164.D
Acq: 4 Apr 2019 18:32

Tgt Ion: 43 Resp: 11101

Ion	Ratio	Lower	Upper
43	100		
58	32.4	27.0	40.4



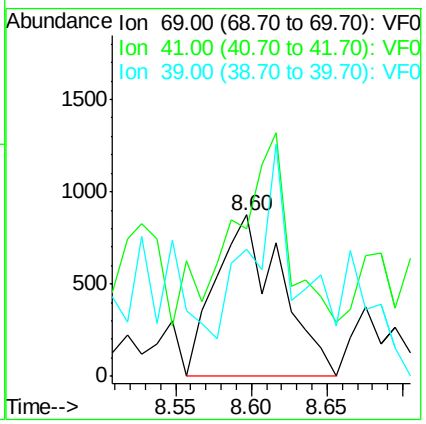


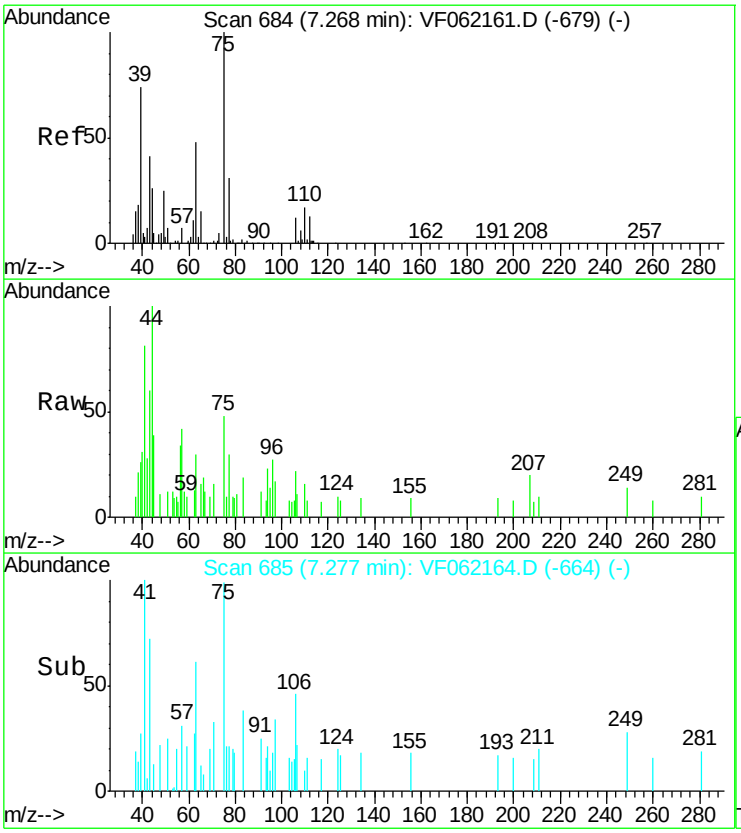
#56
Ethyl methacrylate
Concen: 1.255 ug/l
RT: 8.60 min Scan# 819
Delta R.T. -0.00 min
Lab File: VF062164.D
Acq: 4 Apr 2019 18:32

Instrument :
MSVOA_F
ClientSampleId :
BFB

Tgt Ion: 69 Resp: 2604

Ion	Ratio	Lower	Upper
69	100		
41	91.3	63.0	94.4
39	79.0	36.1	54.1#

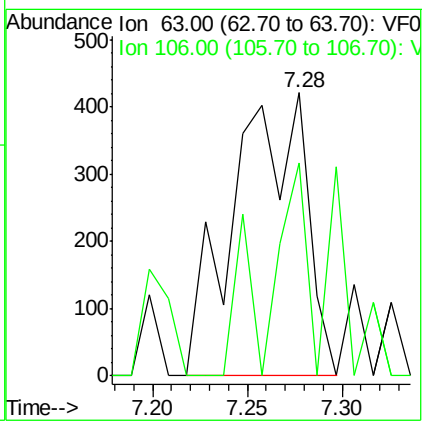


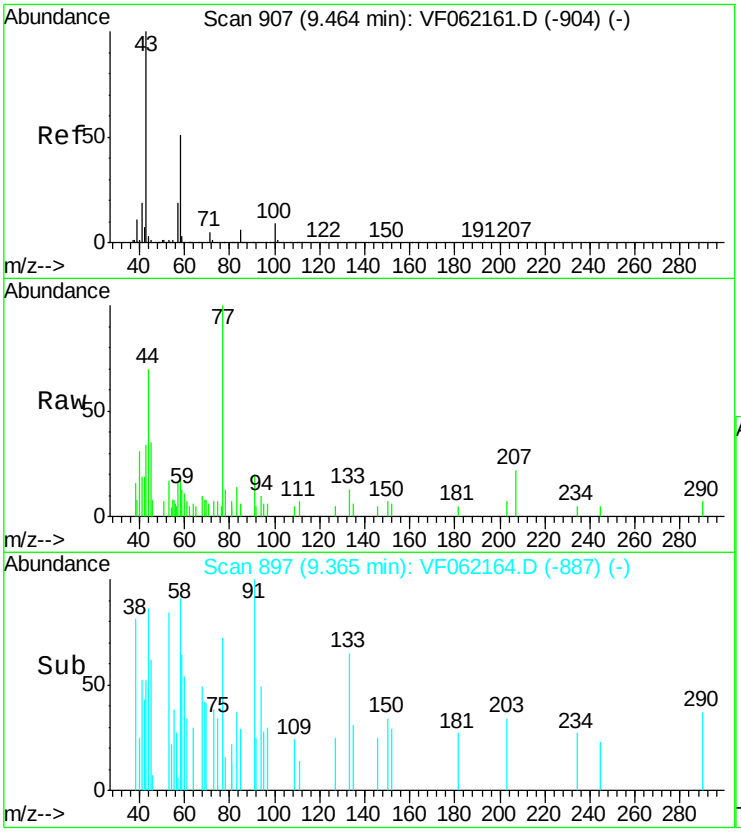


#58
2-Chloroethyl Vinyl ether
Concen: 3.900 ug/l
RT: 7.28 min Scan# 685
Delta R.T. 0.01 min
Lab File: VF062164.D
Acq: 4 Apr 2019 18:32

Tgt Ion: 63 Resp: 1121

Ion	Ratio	Lower	Upper
63	100		
106	75.1	20.6	31.0#



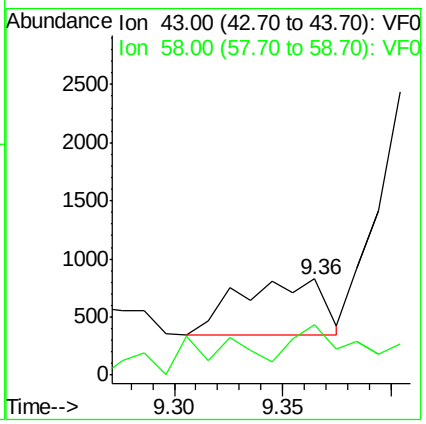


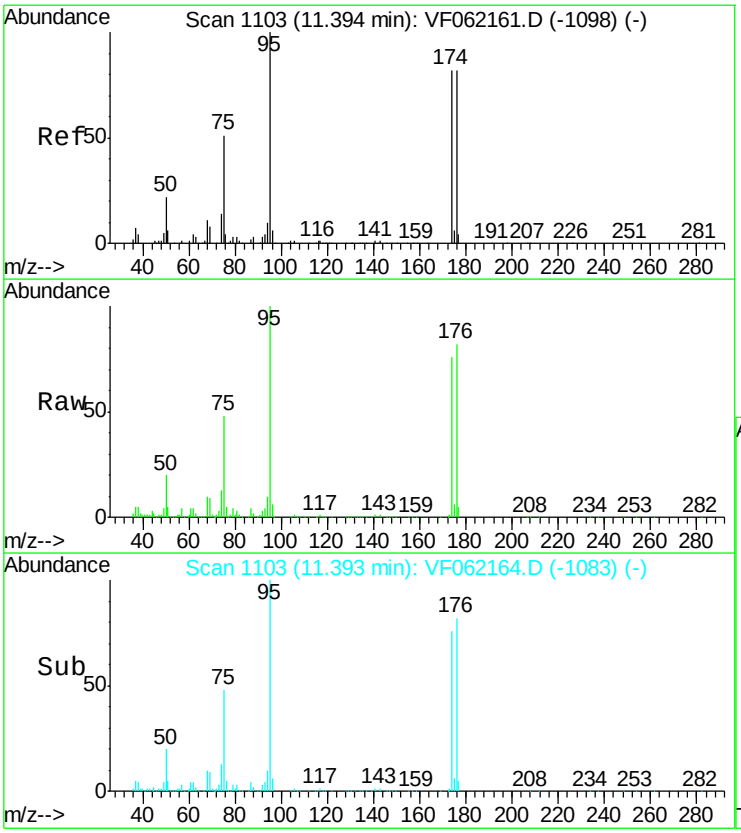
#59
2-Hexanone
Concen: 1.207 ug/l
RT: 9.36 min Scan# 897
Delta R.T. -0.10 min
Lab File: VF062164.D
Acq: 4 Apr 2019 18:32

Instrument :
MSVOA_F
ClientSampleId :
BFB

Tgt Ion: 43 Resp: 1303

Ion	Ratio	Lower	Upper
43	100		
58	53.1	23.3	69.9

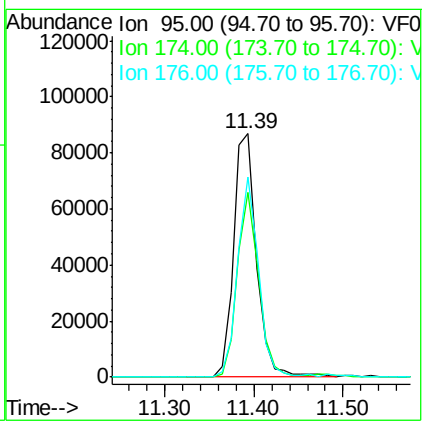


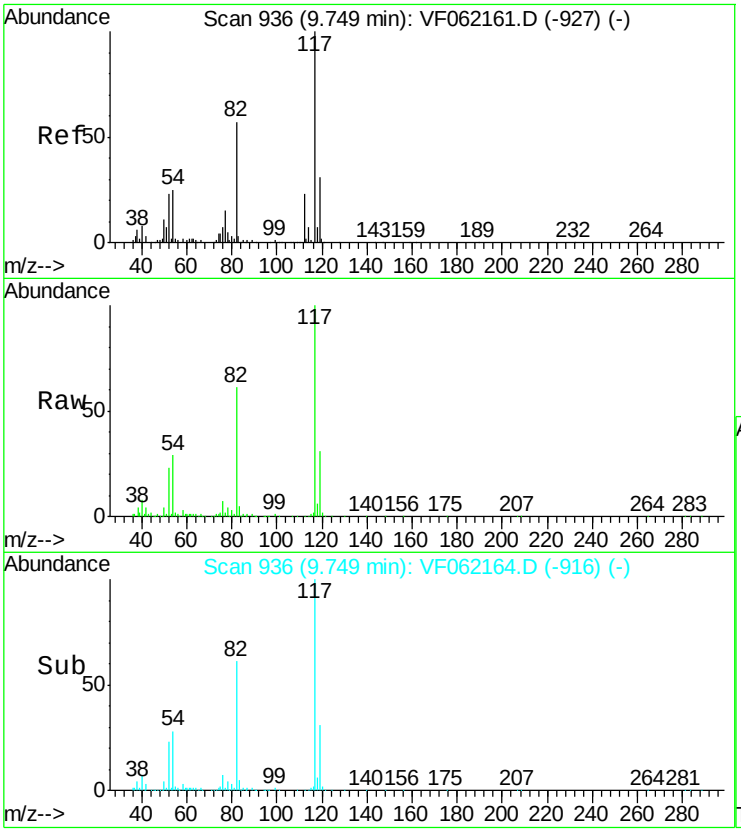


#62
4-Bromofluorobenzene
Concen: 49.769 ug/l
RT: 11.39 min Scan# 1103
Delta R.T. -0.00 min
Lab File: VF062164.D
Acq: 4 Apr 2019 18:32

Tgt Ion: 95 Resp: 157306

Ion	Ratio	Lower	Upper
95	100		
174	75.7	0.0	164.8
176	82.4	0.0	164.6



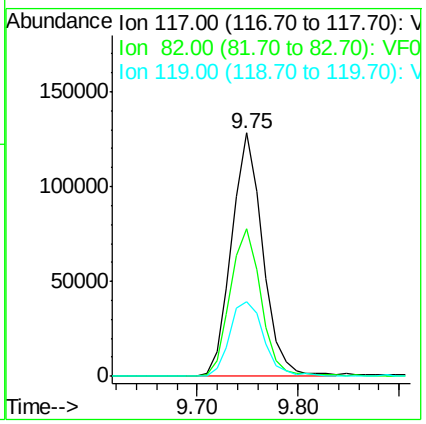


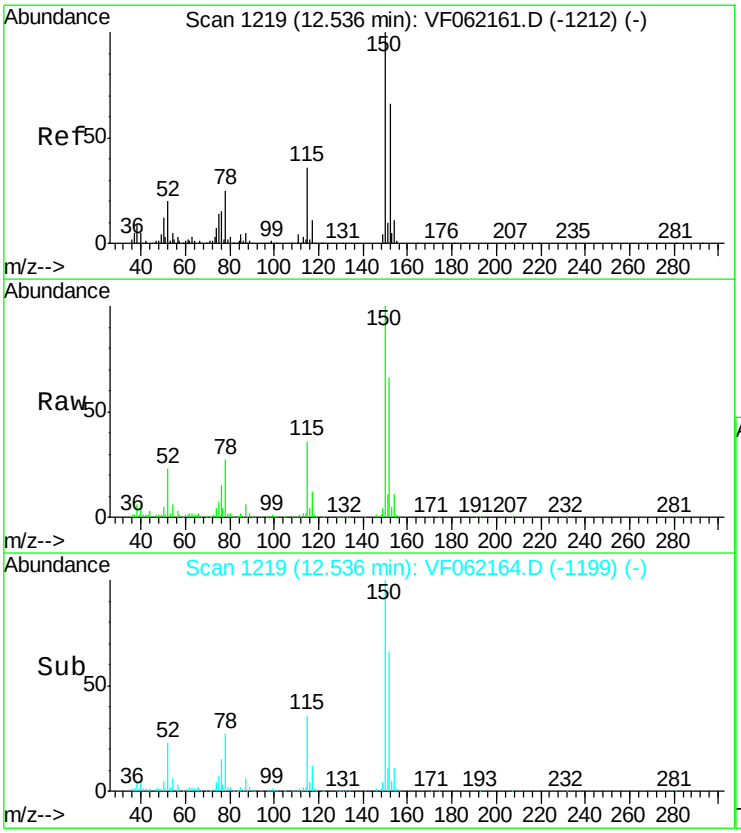
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 936
Delta R.T. -0.00 min
Lab File: VF062164.D
Acq: 4 Apr 2019 18:32

Instrument :
MSVOA_F
ClientSampleId :
BFB

Tgt Ion:117 Resp: 275962

Ion	Ratio	Lower	Upper
117	100		
82	60.7	45.5	68.3
119	30.8	24.9	37.3

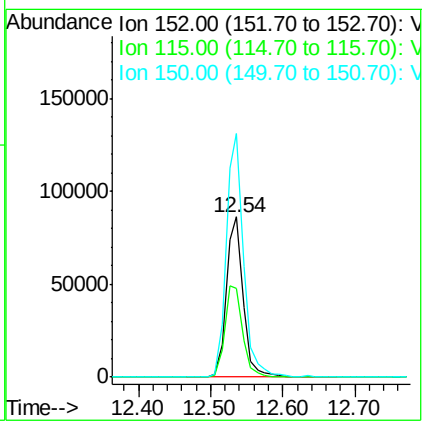


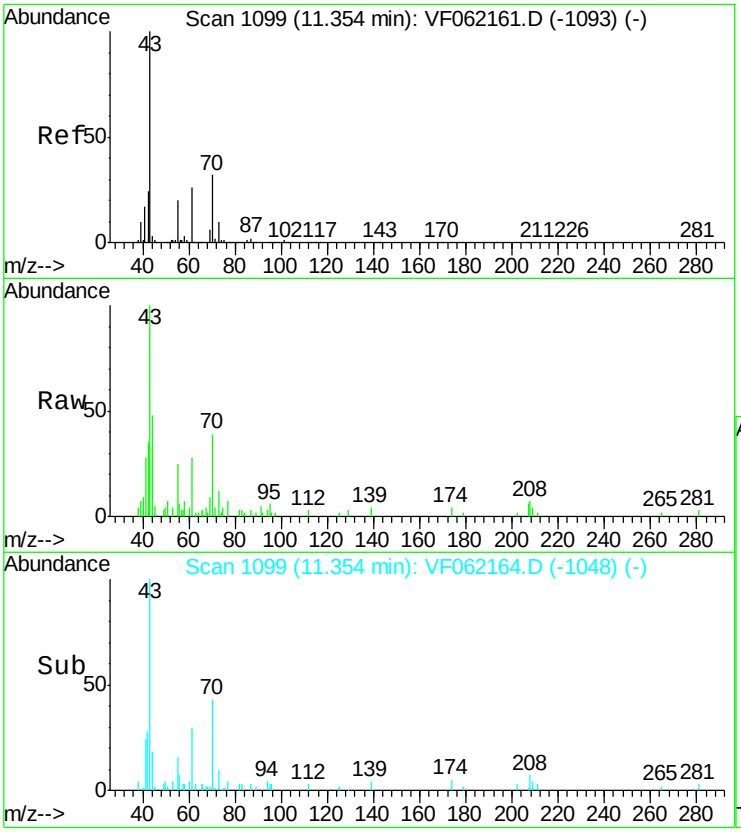


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VF062164.D
Acq: 4 Apr 2019 18:32

Tgt Ion:152 Resp: 138934

Ion	Ratio	Lower	Upper
152	100		
115	55.2	28.3	84.9
150	152.3	0.0	322.6



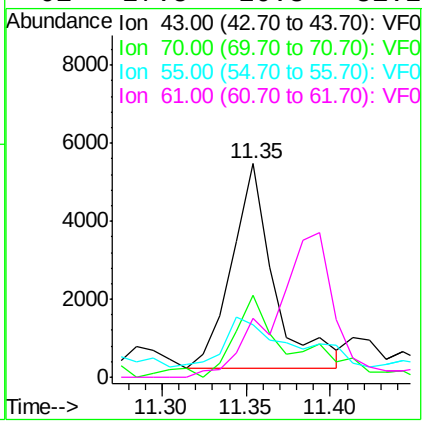


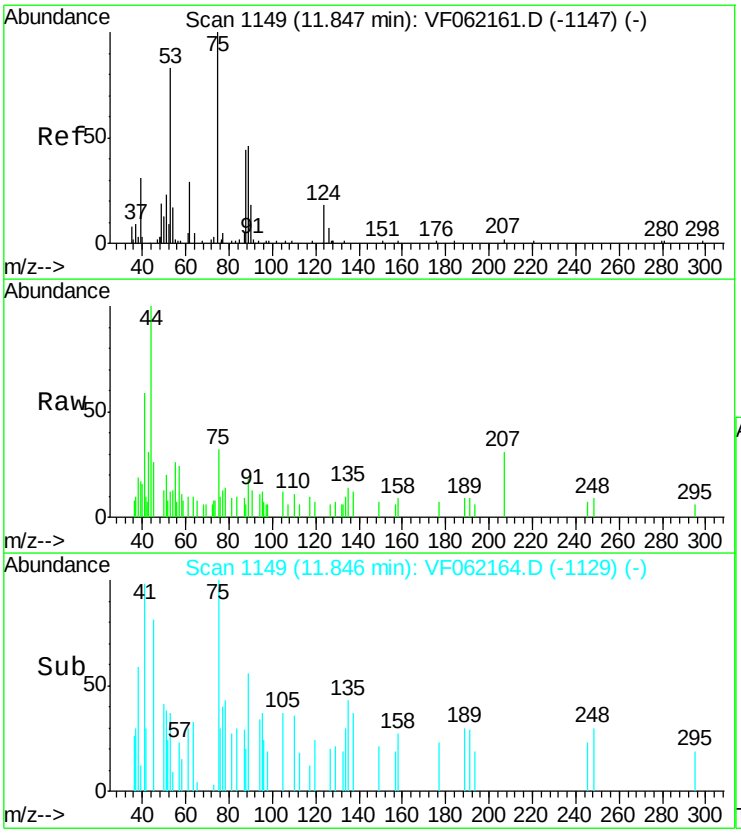
#74
N-amyl acetate
Concen: 2.879 ug/l
RT: 11.35 min Scan# 1099
Delta R.T. -0.00 min
Lab File: VF062164.D
Acq: 4 Apr 2019 18:32

Instrument : MSVOA_F
ClientSampleId : BFB

Tgt Ion: 43 Resp: 9047

Ion	Ratio	Lower	Upper
43	100		
70	38.5	25.9	38.9
55	24.6	16.3	24.5#
61	27.5	20.8	31.2

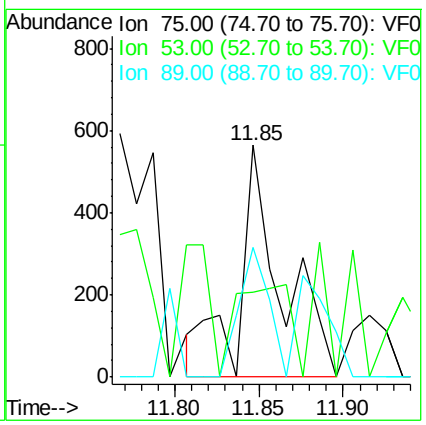


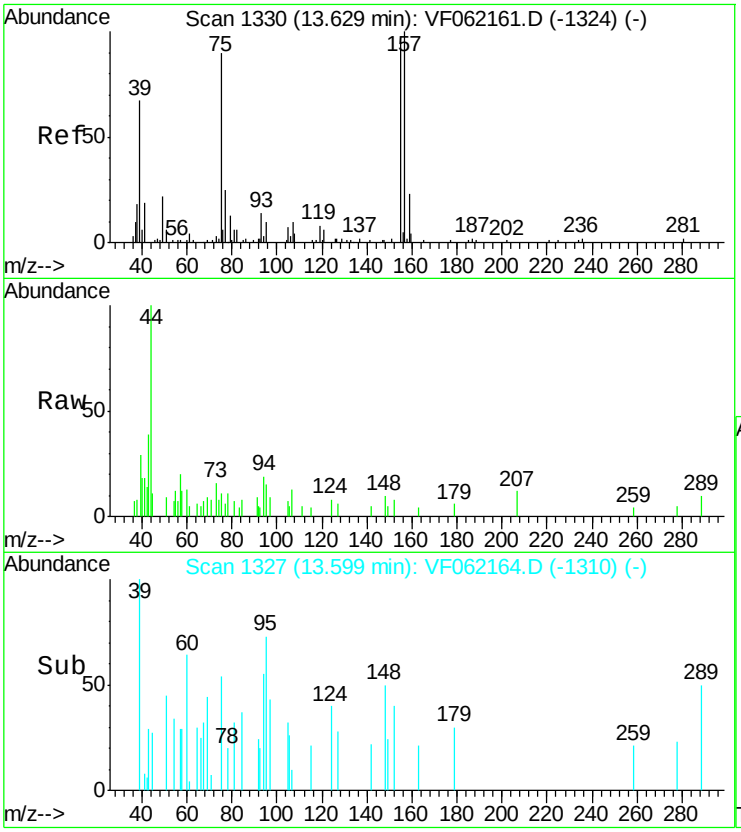


#81
trans-1,4-Dichloro-2-butene
Concen: 1.707 ug/l
RT: 11.85 min Scan# 1149
Delta R.T. -0.00 min
Lab File: VF062164.D
Acq: 4 Apr 2019 18:32

Tgt Ion: 75 Resp: 984

Ion	Ratio	Lower	Upper
75	100		
53	36.7	71.4	107.0#
89	56.2	37.9	56.9



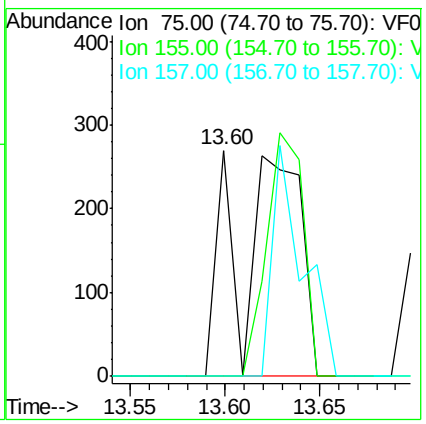


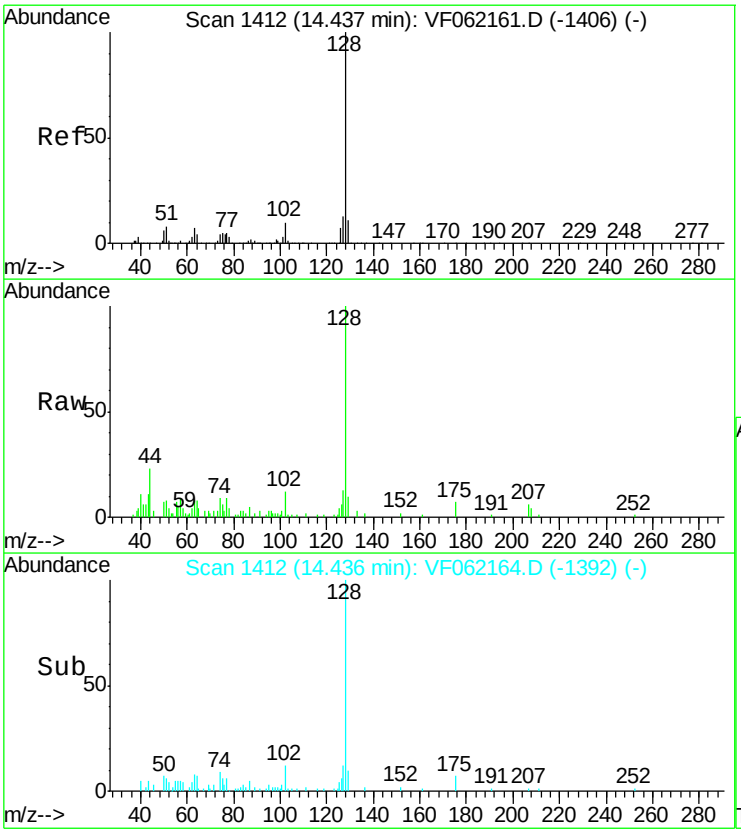
#92
1,2-Dibromo-3-Chloropropane
Concen: 1.513 ug/l
RT: 13.60 min Scan# 1327
Delta R.T. -0.03 min
Lab File: VF062164.D
Acq: 4 Apr 2019 18:32

Instrument : MSVOA_F
ClientSampleId : BFB

Tgt Ion: 75 Resp: 603

Ion	Ratio	Lower	Upper
75	100		
155	0.0	52.8	158.3#
157	0.0	55.7	167.1#

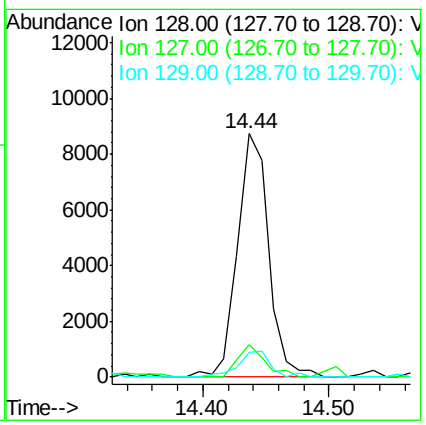


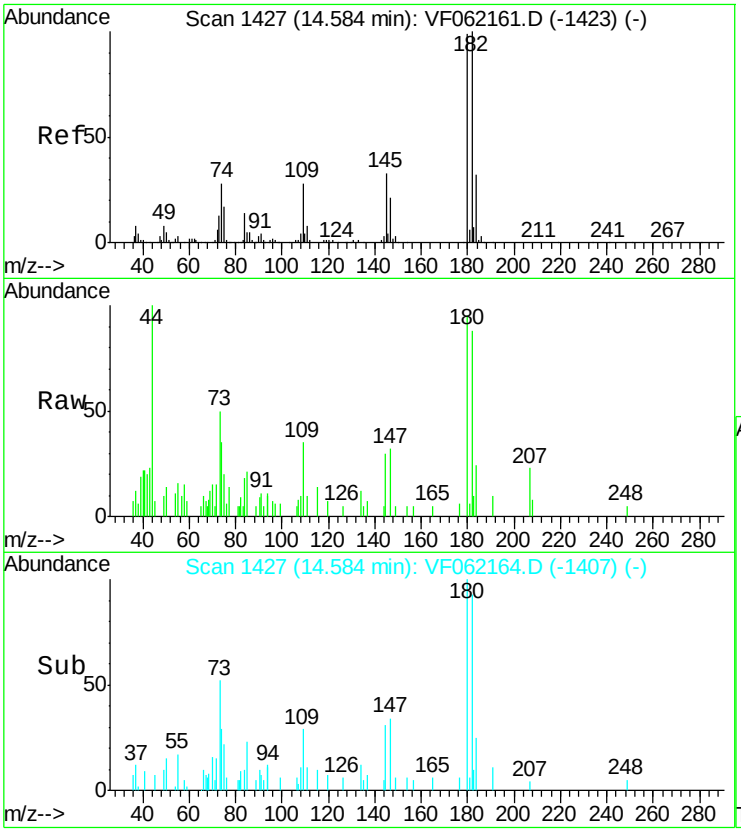


#95
Naphthalene
Concen: 2.821 ug/l
RT: 14.44 min Scan# 1412
Delta R.T. -0.00 min
Lab File: VF062164.D
Acq: 4 Apr 2019 18:32

Tgt Ion:128 Resp: 14920

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	10.2	8.4	12.6





#96
1,2,3-Trichlorobenzene
Concen: 1.131 ug/l
RT: 14.58 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VF062164.D
Acq: 4 Apr 2019 18:32

Instrument :
MSVOA_F
ClientSampleId :
BFB

Tgt Ion:180 Resp: 3159

Ion	Ratio	Lower	Upper
180	100		
182	103.0	50.4	151.2
145	31.3	16.7	50.1