Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF070218\
Data File : VF059388.D
Acq On : 2 Jul 2018 15:45
Operator : VA/AP
Sample : J3802-02
Misc : 5.44g/5mL/MSVOA-F/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : CF-2(15.0)

Quant Time: Jul 03 01:08:54 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 26 08:45:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.02	168	143658	50.00	ug/l		0.00
34) 1,4-Difluorobenzene	5.75	114	271419	50.00	ug/l		0.00
63) Chlorobenzene-d5	9.90	117	195823	50.00	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	126340	50.00	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.00	65	169357	91.25	ug/l		0.00
Spiked Amount 50.000			Recovery =	182.50%			
35) Dibromofluoromethane	4.27	113	139259	70.22	ug/l		0.00
Spiked Amount 50.000			Recovery =	140.44%			
50) Toluene-d8	7.69	98	215680	43.93	ug/l		0.00
Spiked Amount 50.000			Recovery =	87.86%			
62) 4-Bromofluorobenzene	11.50	95	157235	56.77	ug/l		0.00
Spiked Amount 50.000			Recovery =	113.54%			
Target Compounds							Qvalue
3) Chloromethane	1.10	50	1413	1.60	ug/l	#	41
5) Bromomethane	1.32	94	470	Below Cal		#	4
11) Tert butyl alcohol	2.66	59	1668	13.50	ug/l	#	84
13) Acrolein	2.01	56	261	Below Cal			90
15) Acrylonitrile	3.04	53	4822	22.16	ug/l	#	36
16) Acetone	2.32	43	23375	41.94	ug/l		97
18) Methyl Acetate	2.45	43	16005	18.37	ug/l	#	91
20) Methylene Chloride	2.27	84	5715	Below Cal		#	94
25) 2-Butanone	4.50	43	8486	12.50	ug/l	#	77
28) Bromochloromethane	3.93	49	70	Below Cal			98
29) Tetrahydrofuran	4.17	42	2081	Below Cal		#	41
31) Cyclohexane	3.89	56	2460	1.72	ug/l	#	39
37) Ethyl Acetate	4.38	43	6614	2.97	ug/l	#	26
39) Methylcyclohexane	5.74	83	5771	2.75	ug/l	#	61
43) Isopropyl Acetate	6.99	43	53589	27.13	ug/l	#	52
45) 1,2-Dichloropropane	6.44	63	5364	3.57	ug/l	#	1
47) Bromodichloromethane	6.45	83	12733	4.03	ug/l	#	35
48) Methyl methacrylate	6.91	41	92935	70.21	ug/l	#	39
49) 1,4-Dioxane	6.83	88	63	Below Cal		#	1
51) 4-Methyl-2-Pentanone	8.41	43	48927	33.44	ug/l	#	52
55) 1,1,2-Trichloroethane	8.52	97	4618	3.02	ug/l	#	50
56) Ethyl methacrylate	8.75	69	22576	11.93	ug/l		91
58) 2-Chloroethyl Vinyl ether	7.77	63	338	2.38	ug/l		100
59) 2-Hexanone	9.63	43	69387	49.58	ug/l	#	55
74) N-amyl acetate	11.45	43	35441	13.27	ug/l	#	42
75) 1,1,2,2-Tetrachloroethane	11.80	83	11044	5.94	ug/l	#	1
87) 1,3-Dichlorobenzene	12.54	146	563	Below Cal		#	1
89) n-Butylbenzene	12.88	91	23444	3.22	ug/l	#	50
92) 1,2-Dibromo-3-Chloropropan	13.70	75	16488	40.01	ug/l	#	1
95) Naphthalene	14.53	128	15662	2.73	ug/l	#	1

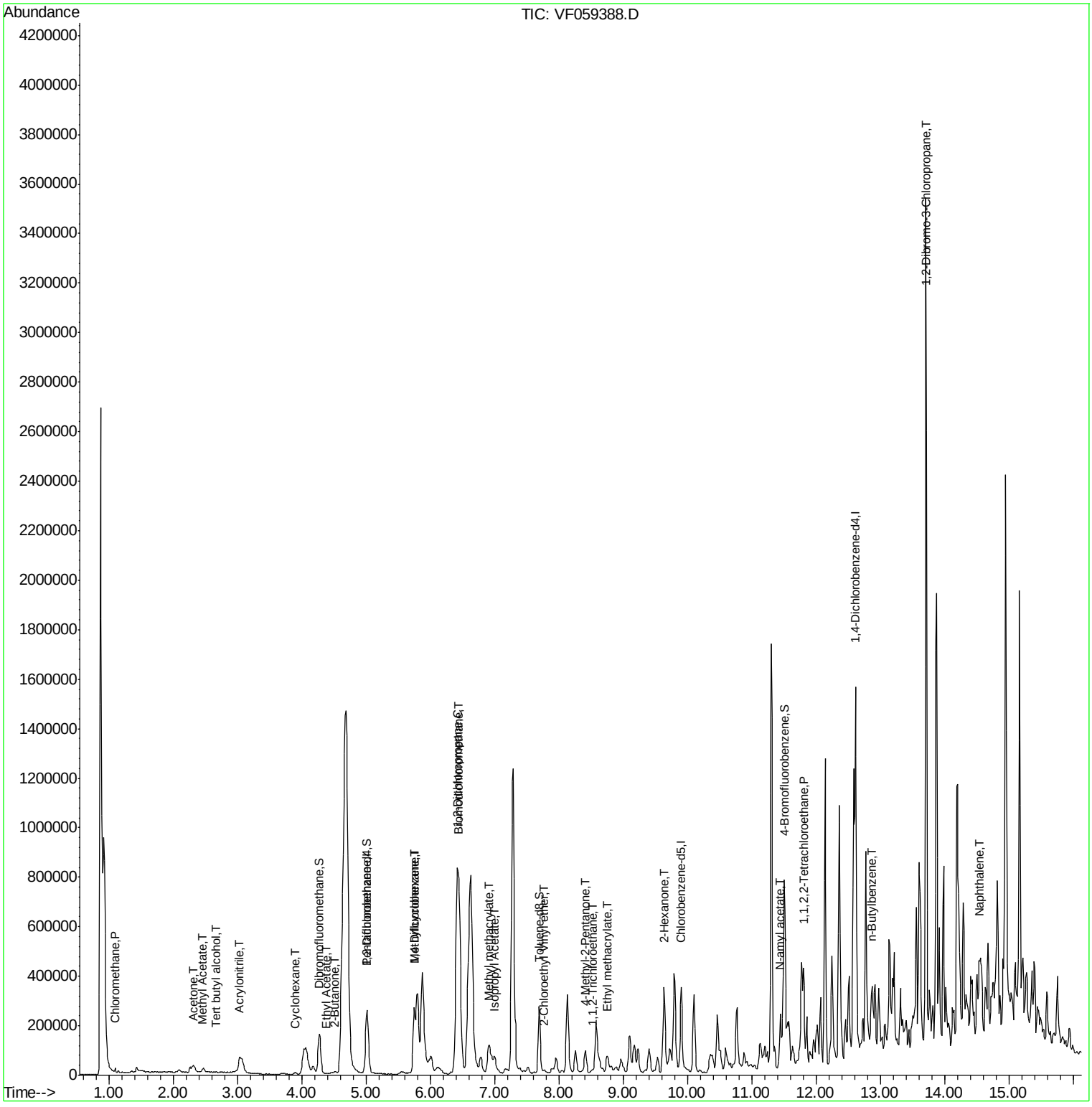
(#) = qualifier out of range (m) = manual integration (+) = signals summed

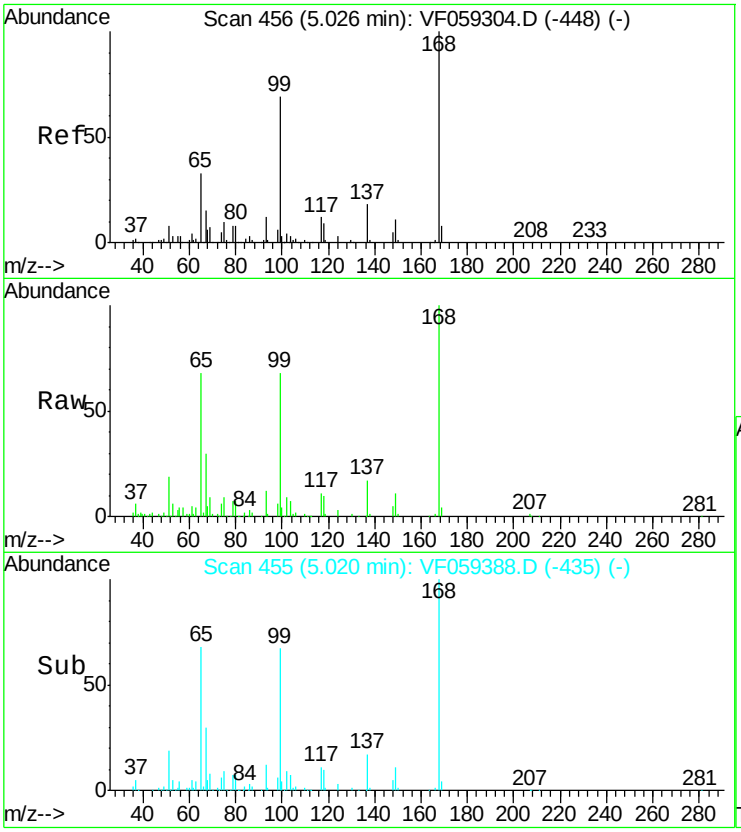
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF070218\
Data File : VF059388.D
Acq On : 2 Jul 2018 15:45
Operator : VA/AP
Sample : J3802-02
Misc : 5.44g/5mL/MSVOA-F/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
CF-2(15.0)

Quant Time: Jul 02 16:06:57 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 26 08:45:17 2018
Response via : Initial Calibration



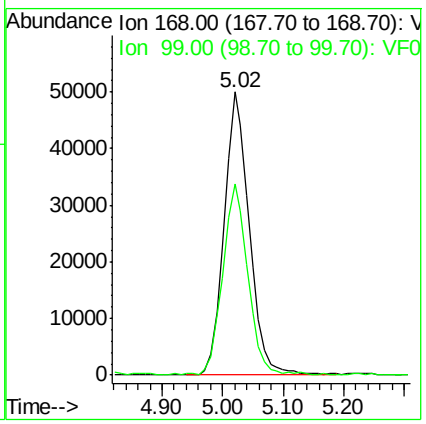


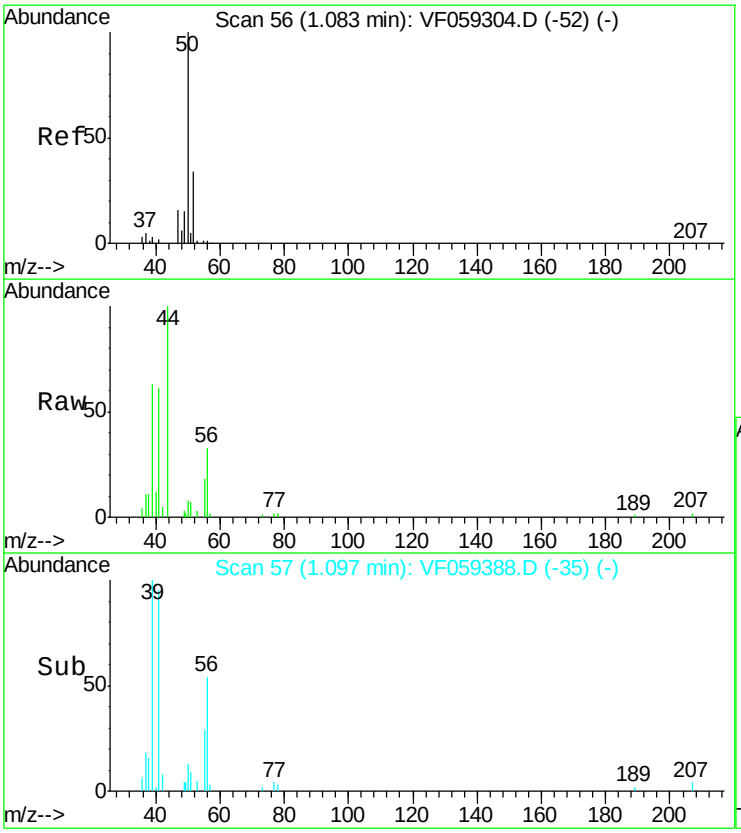
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.02 min Scan# 455
Delta R.T. -0.01 min
Lab File: VF059388.D
Acq: 2 Jul 2018 15:45

Instrument :
MSVOA_F
ClientSampleId :
CF-2(15.0)

Tgt Ion:168 Resp: 143658

Ion	Ratio	Lower	Upper
168	100		
99	67.7	54.9	82.3

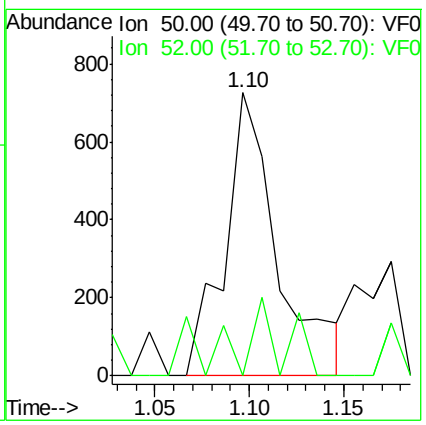


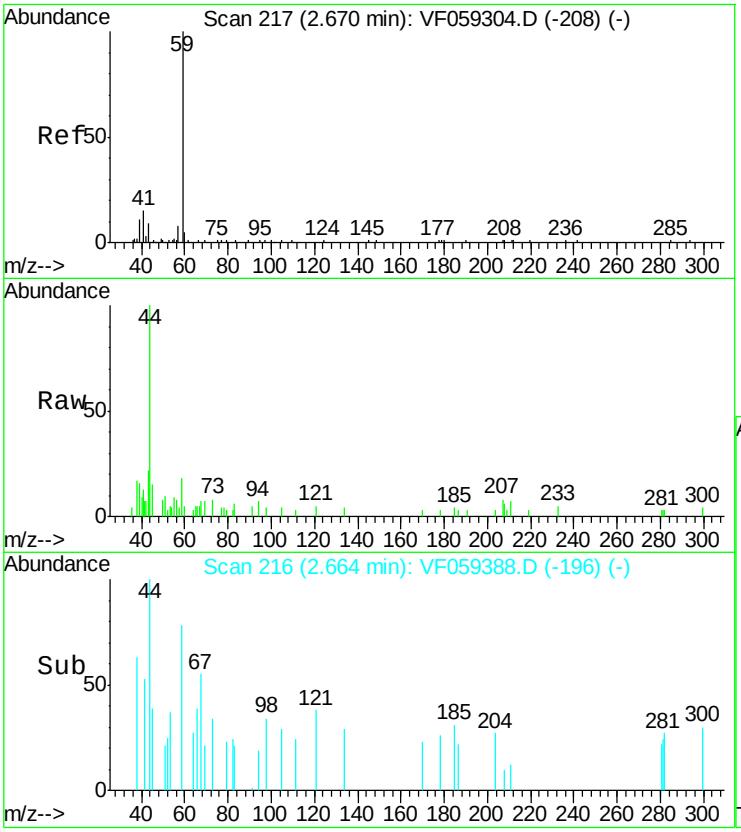


#3
Chloromethane
Concen: 1.60 ug/l
RT: 1.10 min Scan# 57
Delta R.T. 0.01 min
Lab File: VF059388.D
Acq: 2 Jul 2018 15:45

Tgt Ion: 50 Resp: 1413

Ion	Ratio	Lower	Upper
50	100		
52	0.0	26.7	40.1#



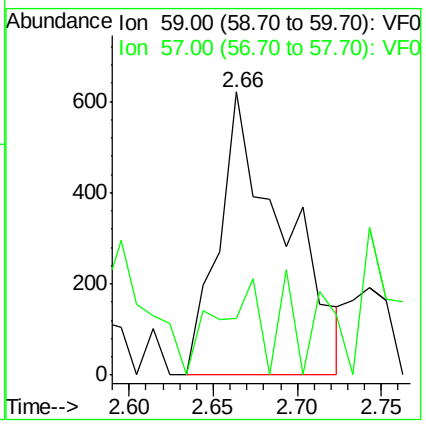


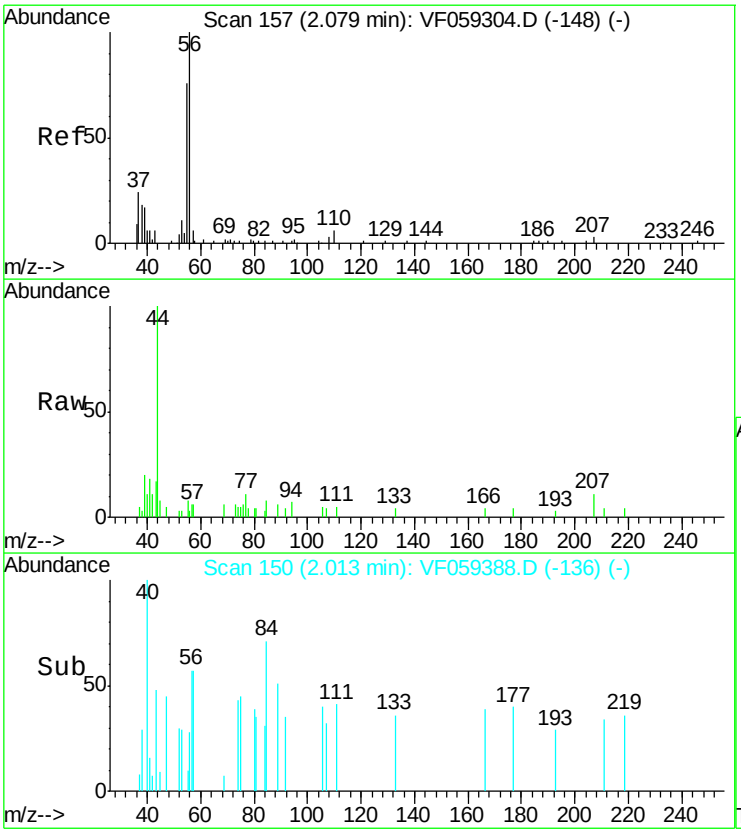
#11
Tert butyl alcohol
Concen: 13.50 ug/l
RT: 2.66 min Scan# 216
Delta R.T. -0.01 min
Lab File: VF059388.D
Acq: 2 Jul 2018 15:45

Instrument :
MSVOA_F
ClientSampleId :
CF-2(15.0)

Tgt Ion: 59 Resp: 1668

Ion	Ratio	Lower	Upper
59	100		
57	20.0	11.0	16.4#

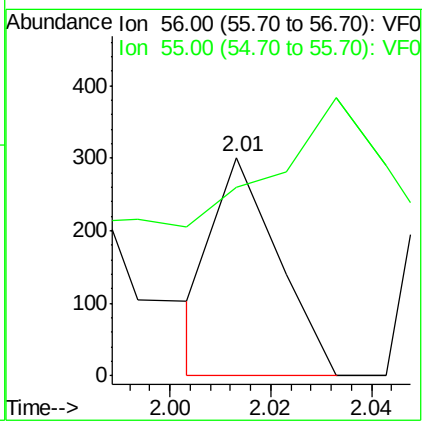


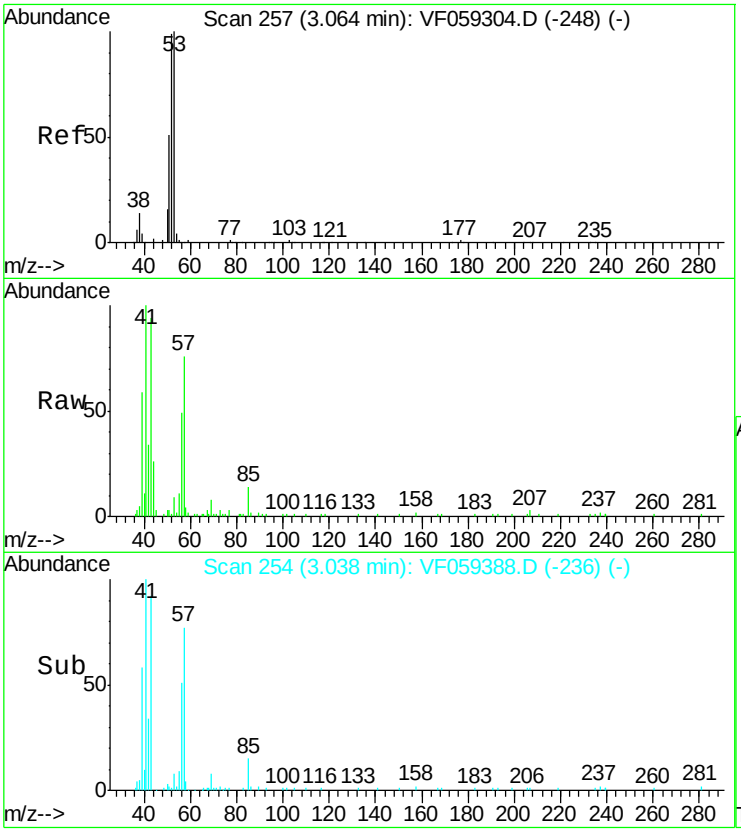


#13
Acrolein
Concen: Below Cal
RT: 2.01 min Scan# 150
Delta R.T. -0.06 min
Lab File: VF059388.D
Acq: 2 Jul 2018 15:45

Tgt Ion: 56 Resp: 261

Ion	Ratio	Lower	Upper
56	100		
55	86.4	62.4	93.6



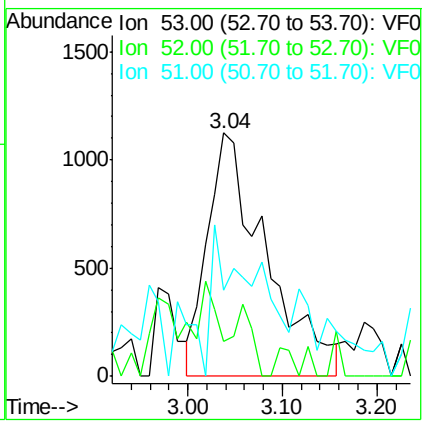


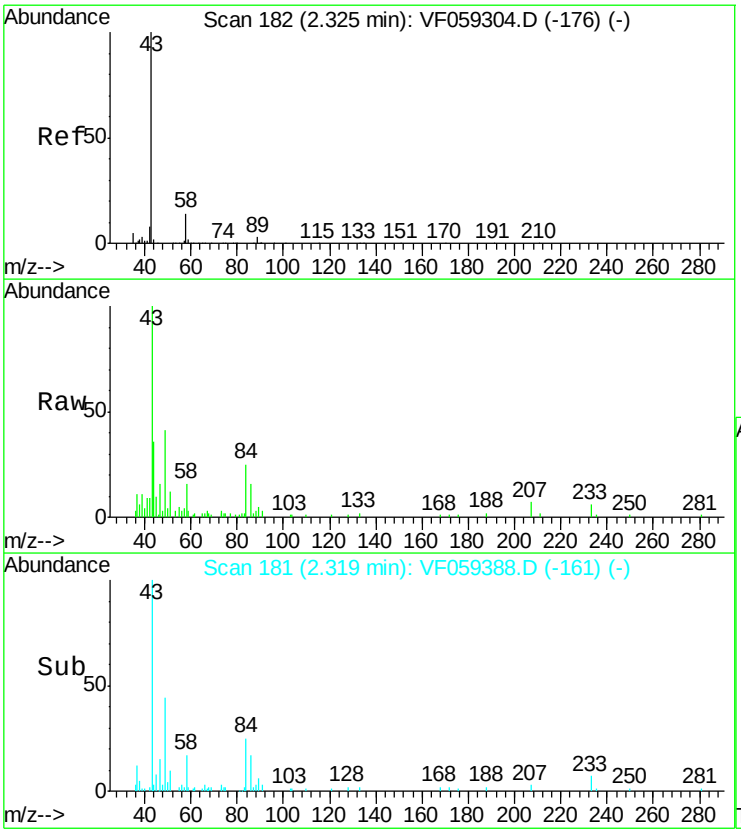
#15
Acrylonitrile
Concen: 22.16 ug/l
RT: 3.04 min Scan# 254
Delta R.T. -0.03 min
Lab File: VF059388.D
Acq: 2 Jul 2018 15:45

Instrument :
MSVOA_F
ClientSampleId :
CF-2(15.0)

Tgt Ion: 53 Resp: 4822

Ion	Ratio	Lower	Upper
53	100		
52	14.2	79.2	118.8#
51	35.3	40.9	61.3#

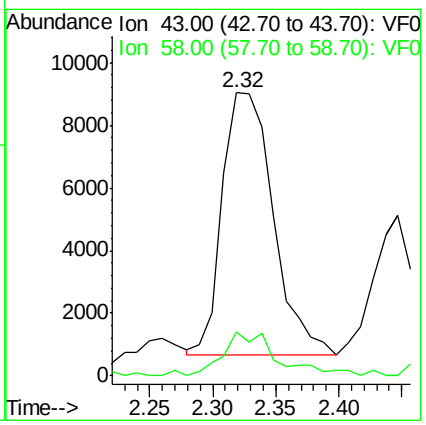


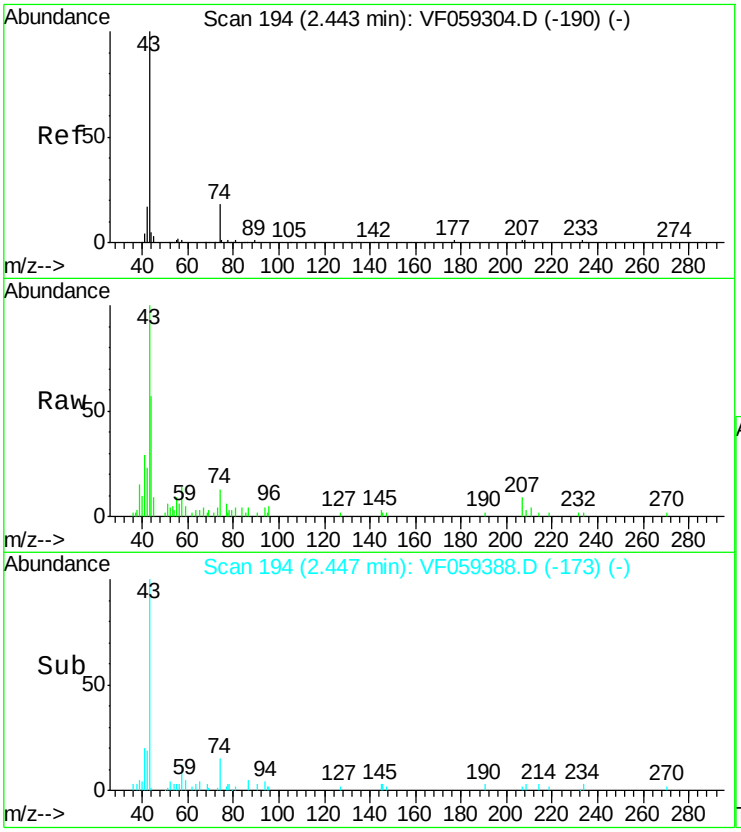


#16
Acetone
Concen: 41.94 ug/l
RT: 2.32 min Scan# 181
Delta R.T. -0.01 min
Lab File: VF059388.D
Acq: 2 Jul 2018 15:45

Tgt Ion: 43 Resp: 23375

Ion	Ratio	Lower	Upper
43	100		
58	15.5	11.4	17.0



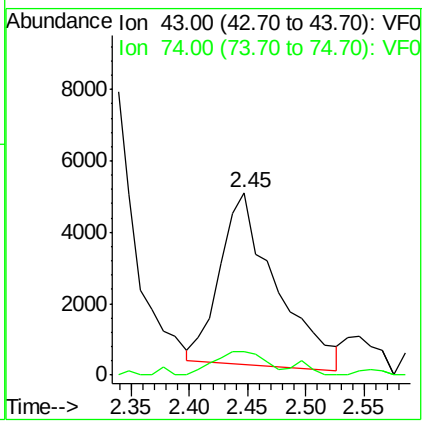


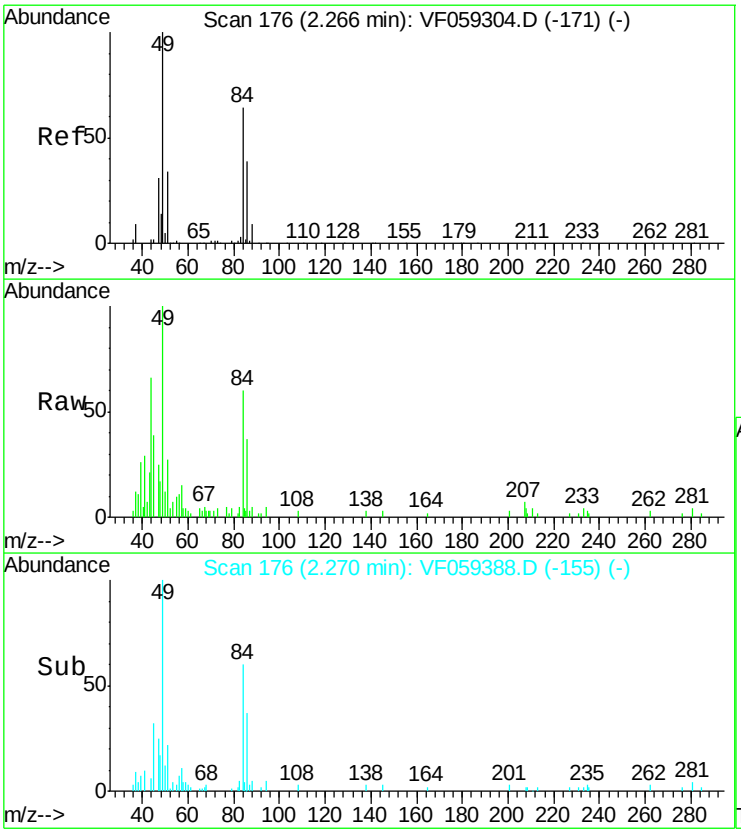
#18
Methyl Acetate
Concen: 18.37 ug/l
RT: 2.45 min Scan# 194
Delta R.T. 0.00 min
Lab File: VF059388.D
Acq: 2 Jul 2018 15:45

Instrument : MSVOA_F
ClientSampleId : CF-2(15.0)

Tgt Ion: 43 Resp: 16005

Ion	Ratio	Lower	Upper
43	100		
74	12.7	13.3	19.9#

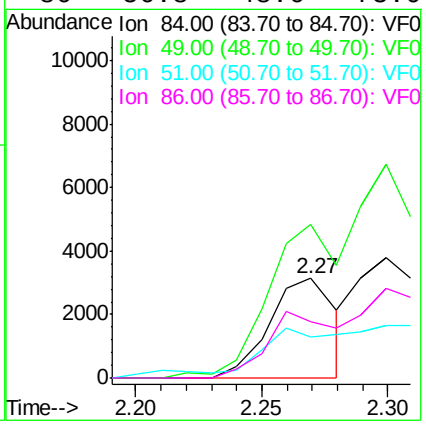


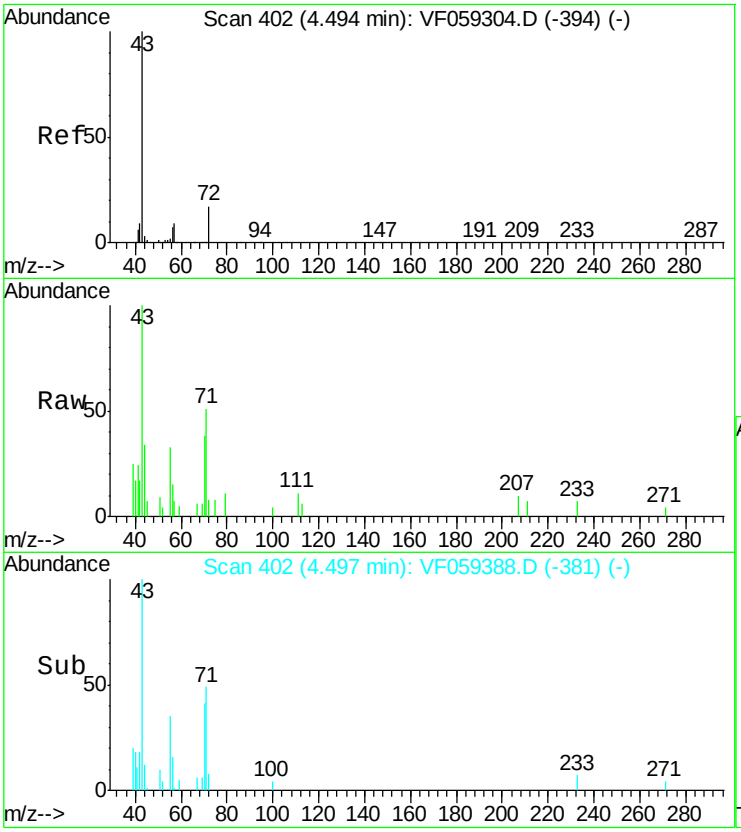


#20
Methylene Chloride
Concen: Below Cal
RT: 2.27 min Scan# 176
Delta R.T. 0.00 min
Lab File: VF059388.D
Acq: 2 Jul 2018 15:45

Tgt Ion: 84 Resp: 5715

Ion	Ratio	Lower	Upper
84	100		
49	155.3	126.5	189.7
51	41.3	42.9	64.3#
86	56.8	48.6	73.0



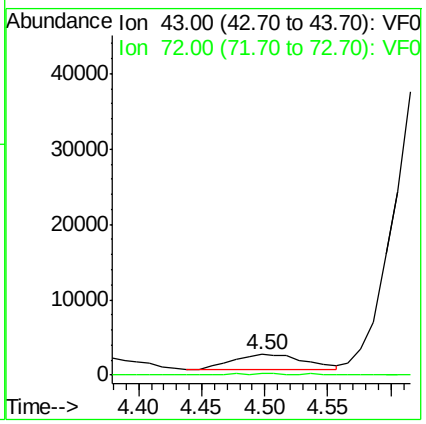


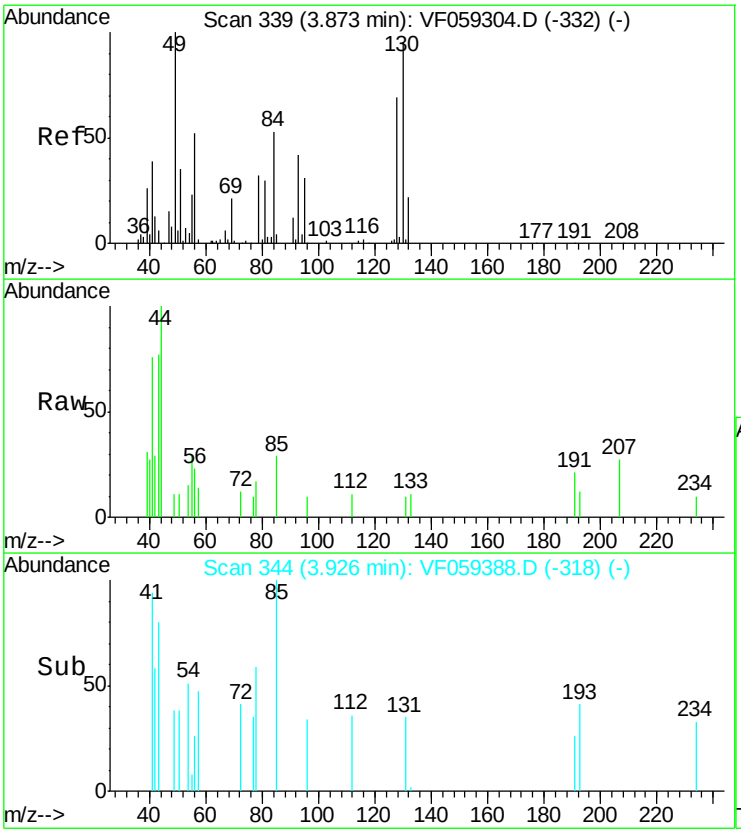
#25
2-Butanone
Concen: 12.50 ug/l
RT: 4.50 min Scan# 402
Delta R.T. 0.00 min
Lab File: VF059388.D
Acq: 2 Jul 2018 15:45

Instrument :
MSVOA_F
ClientSampleId :
CF-2(15.0)

Tgt Ion: 43 Resp: 8486

Ion	Ratio	Lower	Upper
43	100		
72	7.9	14.4	21.6#

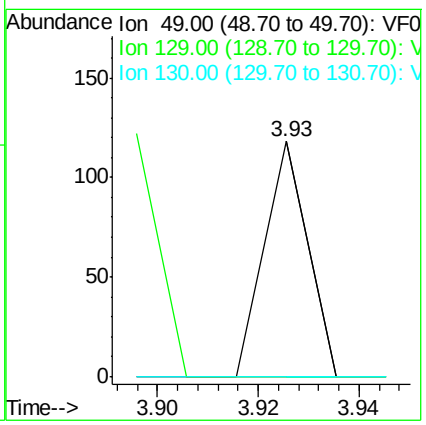


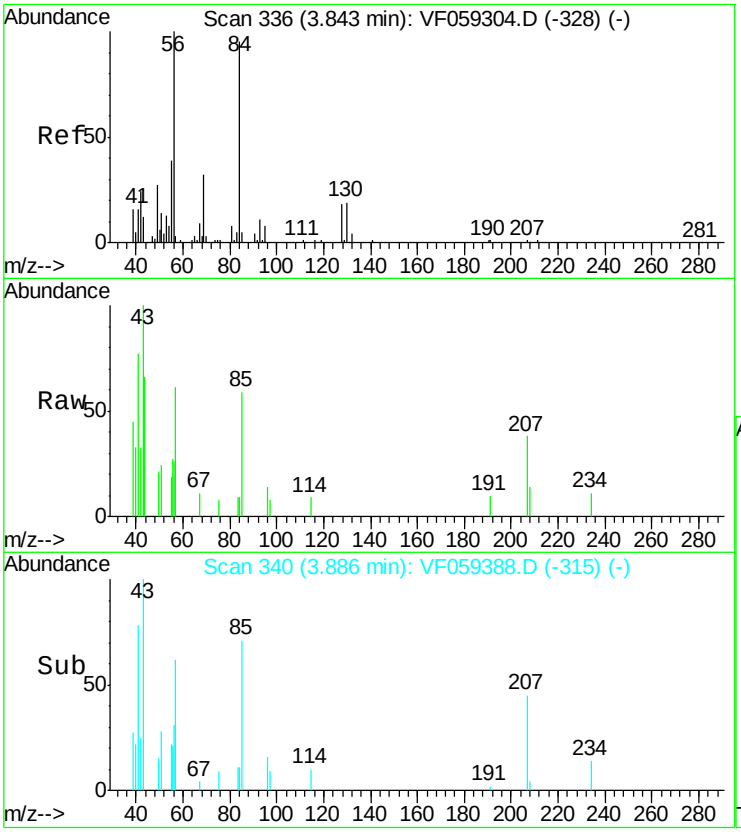


#28
Bromochloromethane
Concen: Below Cal
RT: 3.93 min Scan# 344
Delta R.T. 0.05 min
Lab File: VF059388.D
Acq: 2 Jul 2018 15:45

Tgt Ion: 49 Resp: 70

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	6.4
130	92.4	75.1	112.7



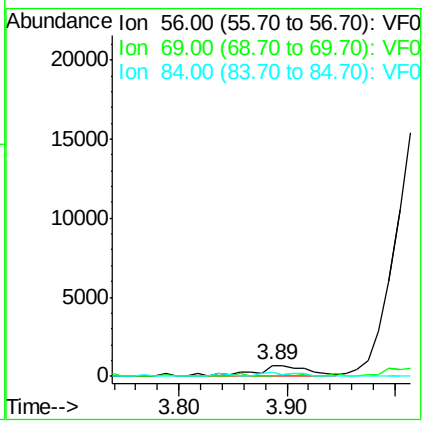


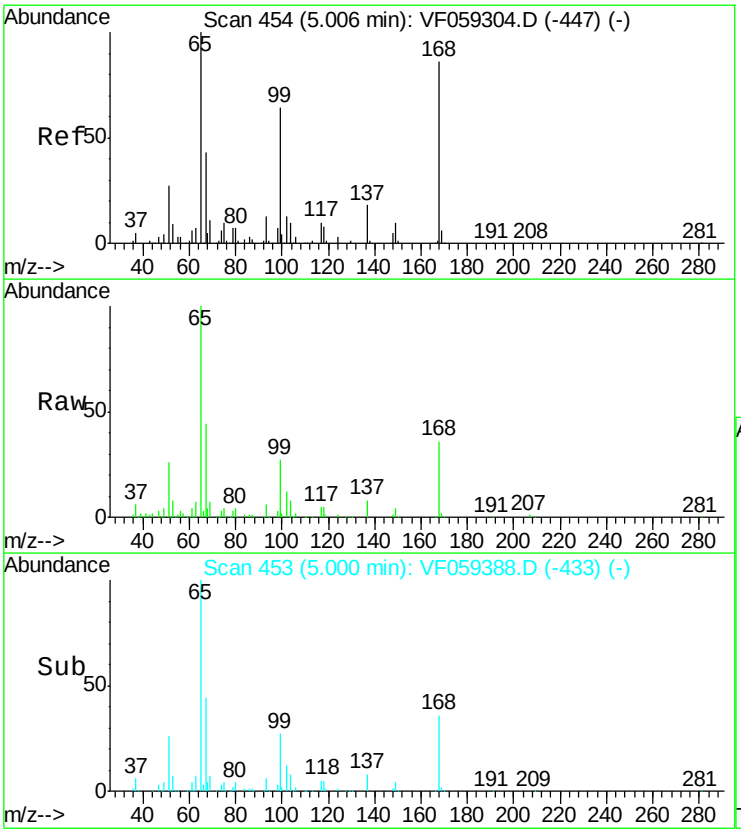
#31
Cyclohexane
Concen: 1.72 ug/l
RT: 3.89 min Scan# 340
Delta R.T. 0.04 min
Lab File: VF059388.D
Acq: 2 Jul 2018 15:45

Instrument : MSVOA_F
ClientSampleId : CF-2(15.0)

Tgt Ion: 56 Resp: 2460

Ion	Ratio	Lower	Upper
56	100		
69	0.0	25.8	38.8#
84	34.9	75.6	113.4#

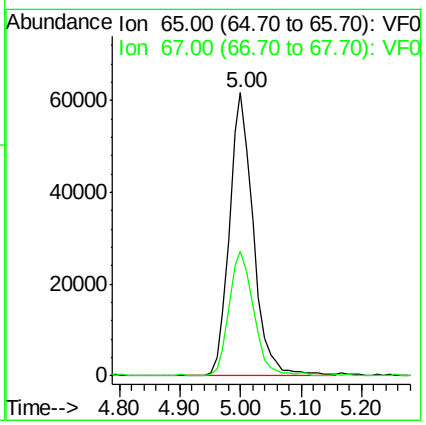


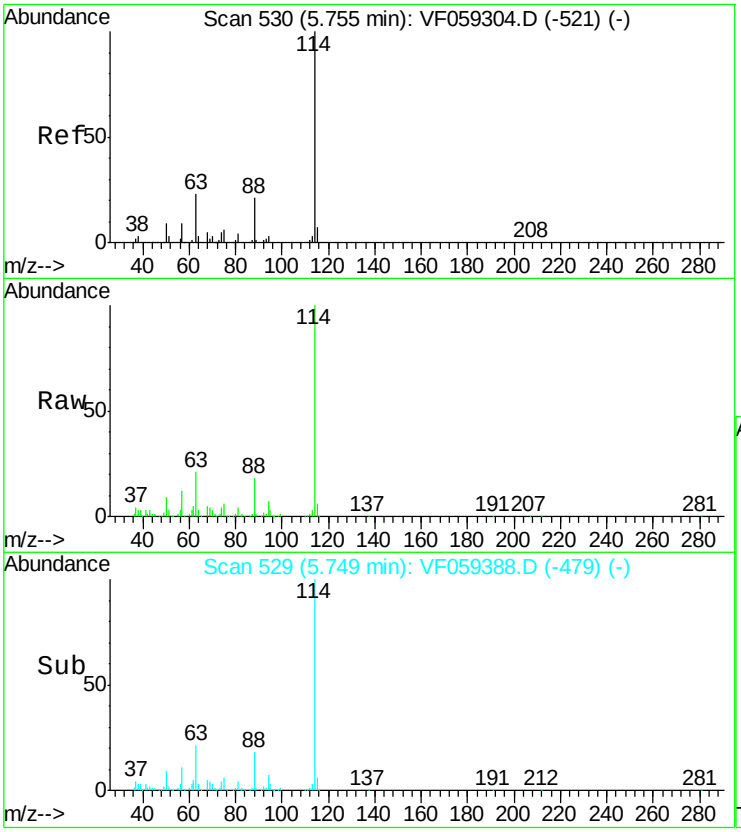


#33
1,2-Dichloroethane-d4
Concen: 91.25 ug/l
RT: 5.00 min Scan# 453
Delta R.T. -0.01 min
Lab File: VF059388.D
Acq: 2 Jul 2018 15:45

Tgt Ion: 65 Resp: 169357

Ion	Ratio	Lower	Upper
65	100		
67	44.1	0.0	96.8



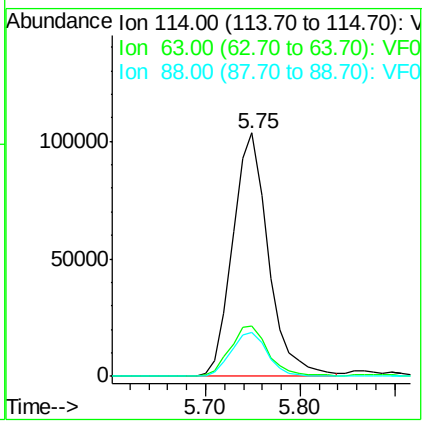


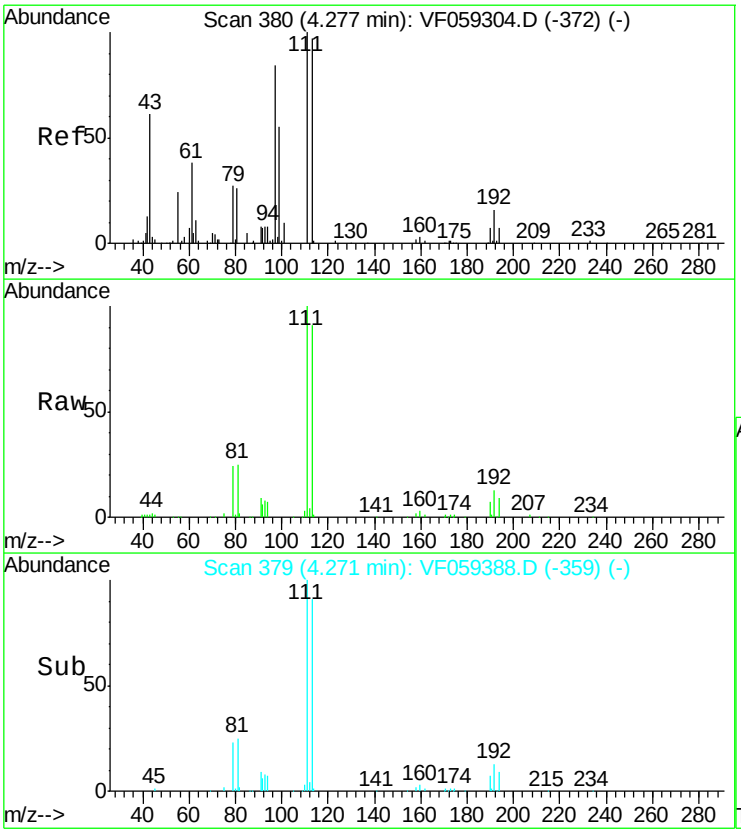
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 5.75 min Scan# 529
Delta R.T. -0.01 min
Lab File: VF059388.D
Acq: 2 Jul 2018 15:45

Instrument :
MSVOA_F
ClientSampleId :
CF-2(15.0)

Tgt Ion:114 Resp: 271419

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	45.8
88	18.1	0.0	41.2

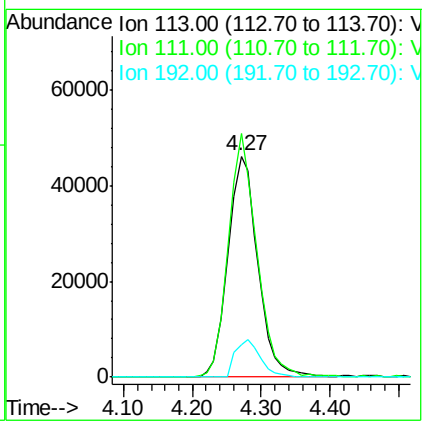


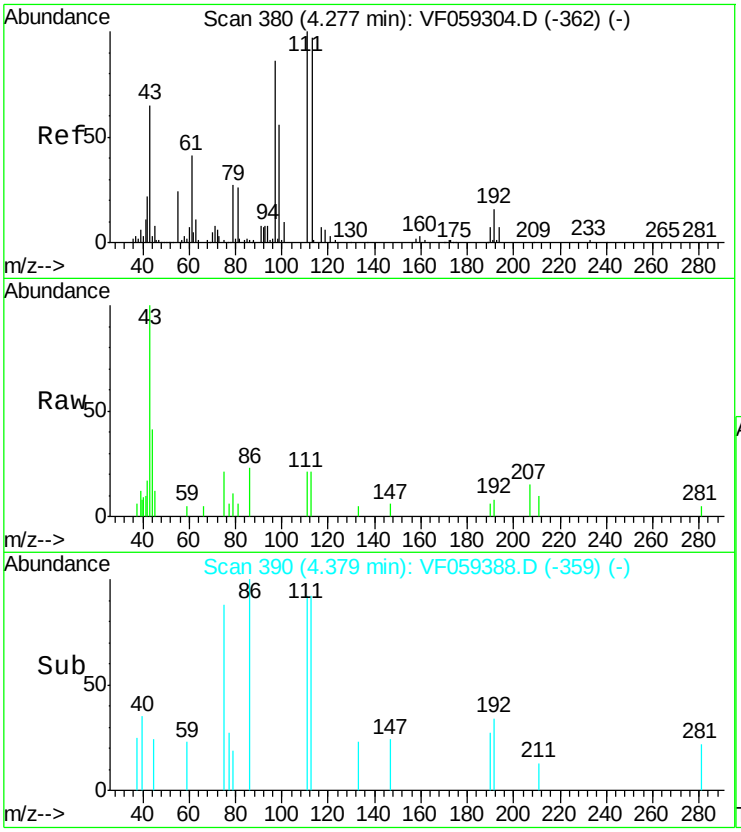


#35
Dibromofluoromethane
Concen: 70.22 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF059388.D
Acq: 2 Jul 2018 15:45

Tgt Ion:113 Resp: 139259

Ion	Ratio	Lower	Upper
113	100		
111	110.3	82.1	123.1
192	14.7	13.0	19.6



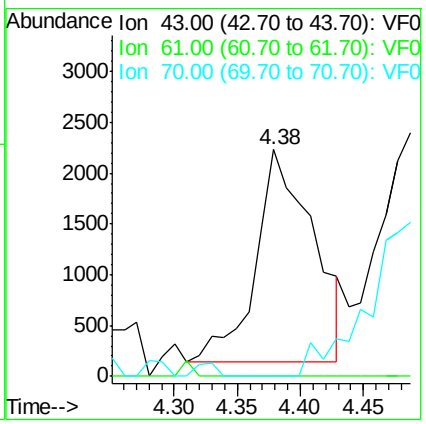


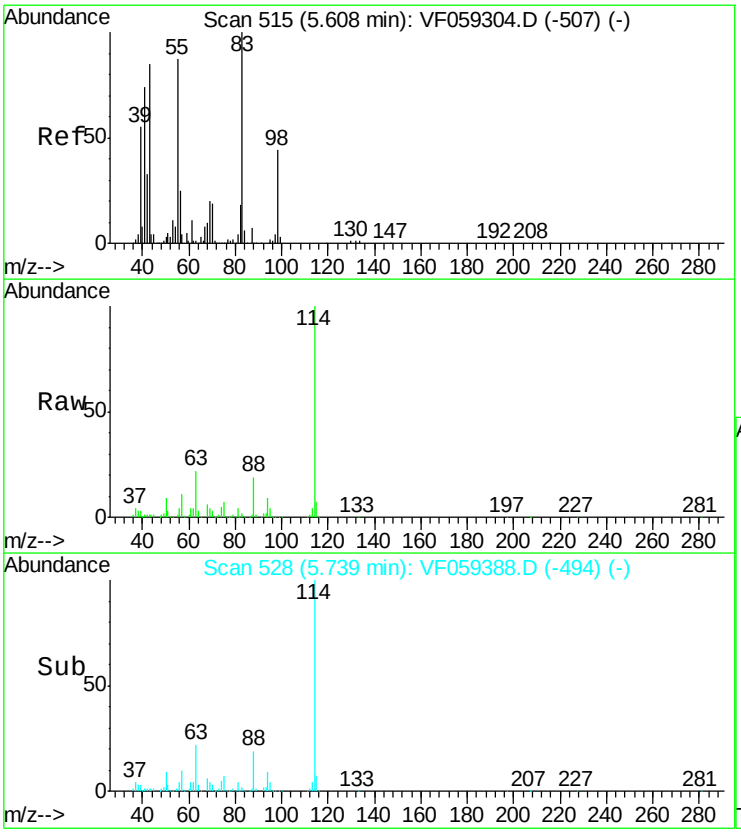
#37
Ethyl Acetate
Concen: 2.97 ug/l
RT: 4.38 min Scan# 390
Delta R.T. 0.10 min
Lab File: VF059388.D
Acq: 2 Jul 2018 15:45

Instrument :
MSVOA_F
ClientSampleId :
CF-2(15.0)

Tgt Ion: 43 Resp: 6614

Ion	Ratio	Lower	Upper
43	100		
61	0.0	50.1	75.1#
70	0.0	6.2	9.4#

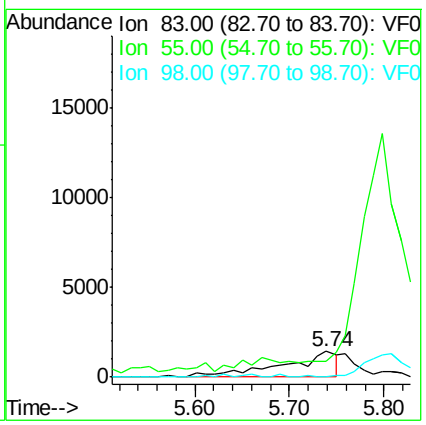


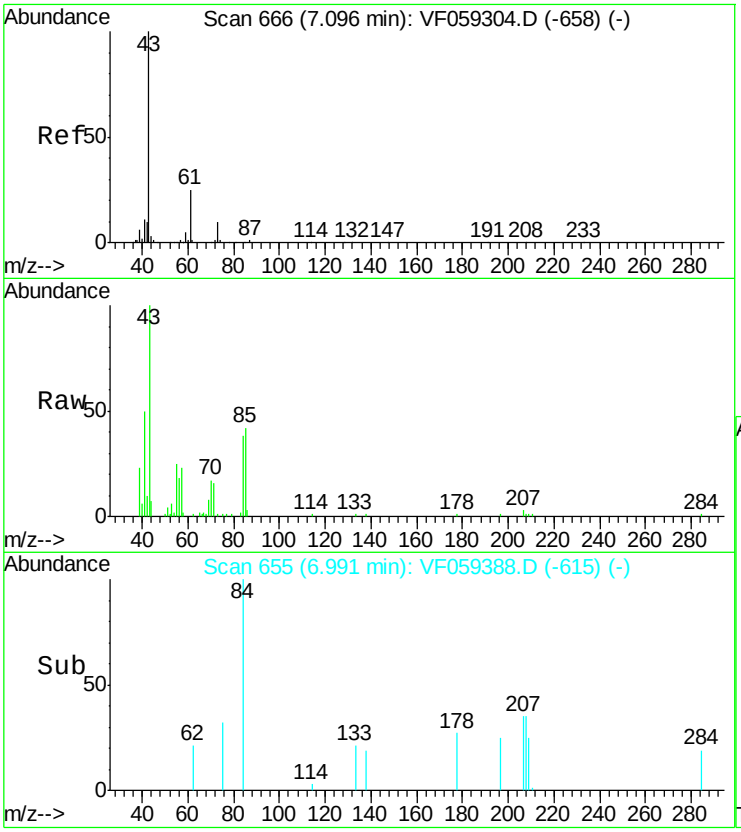


#39
Methylcyclohexane
Concen: 2.75 ug/l
RT: 5.74 min Scan# 528
Delta R.T. 0.13 min
Lab File: VF059388.D
Acq: 2 Jul 2018 15:45

Tgt Ion: 83 Resp: 5771

Ion	Ratio	Lower	Upper
83	100		
55	63.6	69.2	103.8#
98	0.0	35.0	52.6#



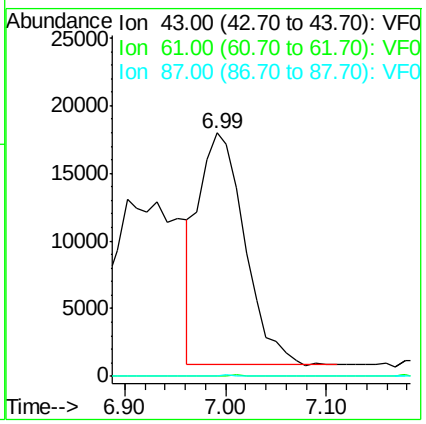


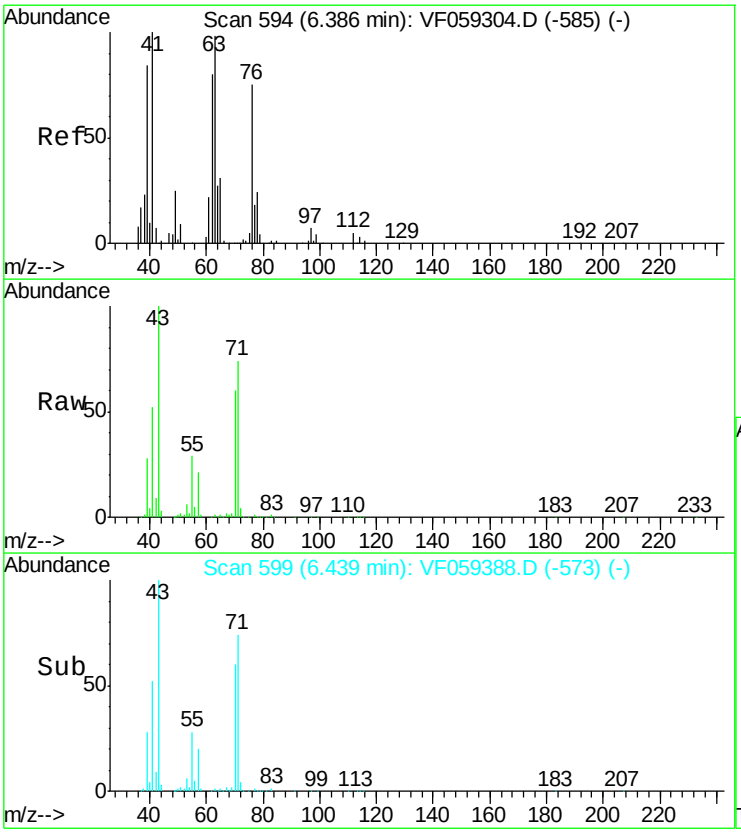
#43
Isopropyl Acetate
Concen: 27.13 ug/l
RT: 6.99 min Scan# 655
Delta R.T. -0.10 min
Lab File: VF059388.D
Acq: 2 Jul 2018 15:45

Instrument : MSVOA_F
ClientSampleId : CF-2(15.0)

Tgt Ion: 43 Resp: 53589

Ion	Ratio	Lower	Upper
43	100		
61	0.0	19.7	29.5#
87	0.0	0.5	0.7#

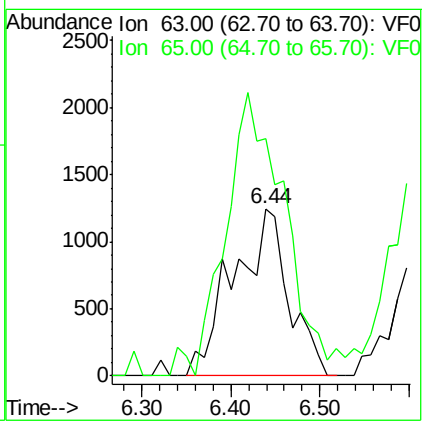


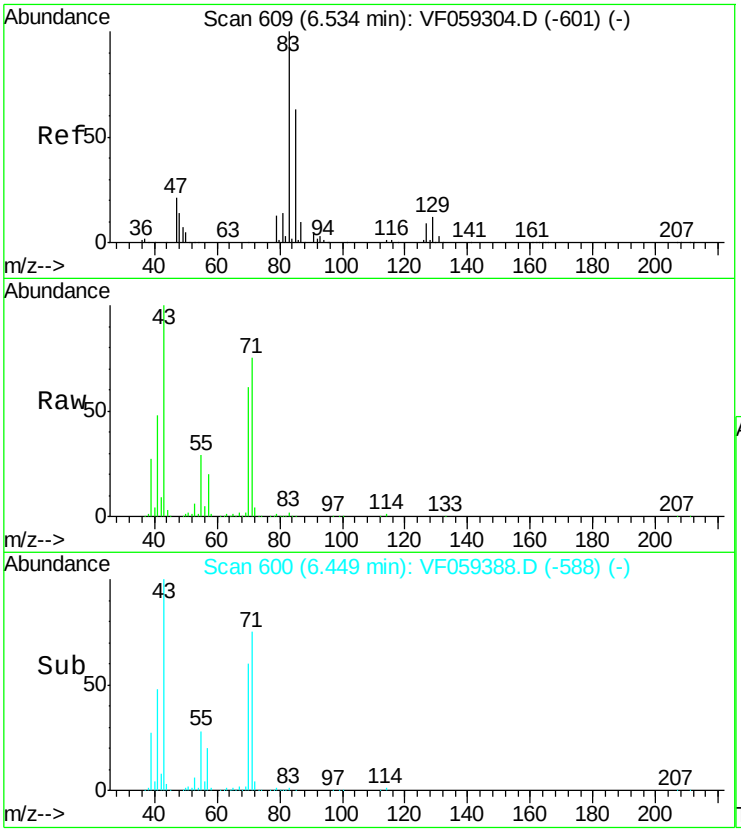


#45
1,2-Dichloropropane
Concen: 3.57 ug/l
RT: 6.44 min Scan# 599
Delta R.T. 0.05 min
Lab File: VF059388.D
Acq: 2 Jul 2018 15:45

Tgt Ion: 63 Resp: 5364

Ion	Ratio	Lower	Upper
63	100		
65	142.1	25.3	37.9#



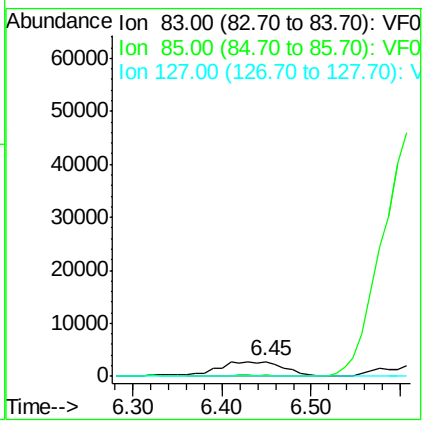


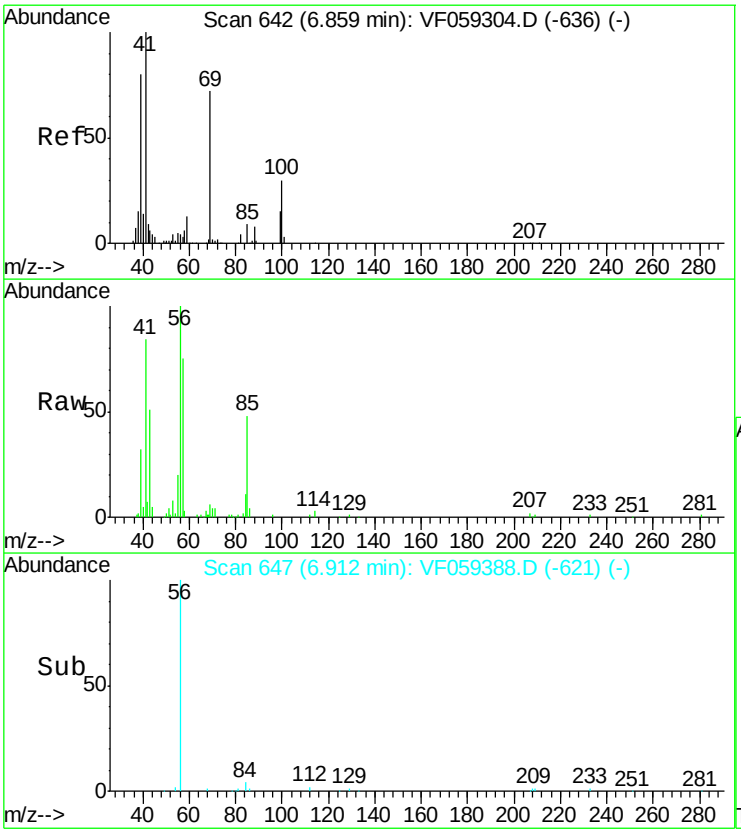
#47
Bromodichloromethane
Concen: 4.03 ug/l
RT: 6.45 min Scan# 600
Delta R.T. -0.09 min
Lab File: VF059388.D
Acq: 2 Jul 2018 15:45

Instrument : MSVOA_F
ClientSampleId : CF-2(15.0)

Tgt Ion: 83 Resp: 12733

Ion	Ratio	Lower	Upper
83	100		
85	8.4	50.2	75.2#
127	0.0	7.0	10.4#

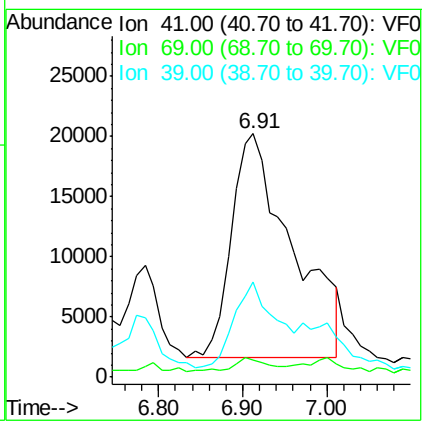


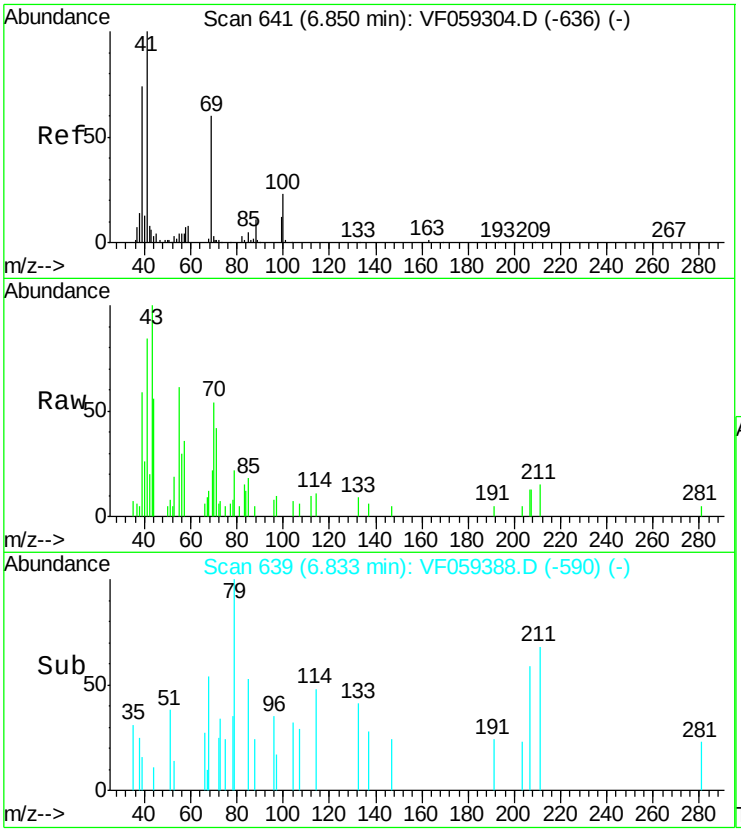


#48
Methyl methacrylate
Concen: 70.21 ug/l
RT: 6.91 min Scan# 647
Delta R.T. 0.05 min
Lab File: VF059388.D
Acq: 2 Jul 2018 15:45

Tgt Ion: 41 Resp: 92935

Ion	Ratio	Lower	Upper
41	100		
69	7.2	57.3	85.9#
39	38.9	64.4	96.6#



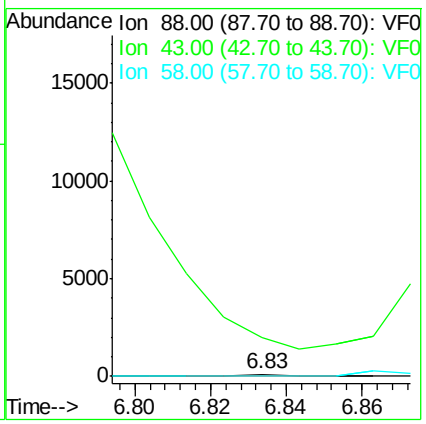


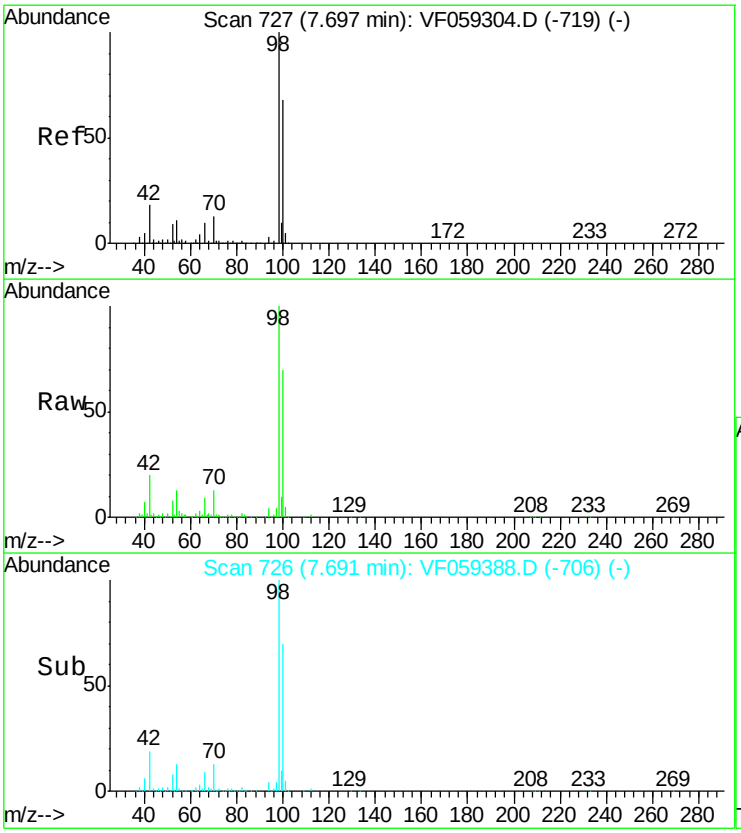
#49
1,4-Dioxane
Concen: Below Cal
RT: 6.83 min Scan# 639
Delta R.T. -0.02 min
Lab File: VF059388.D
Acq: 2 Jul 2018 15:45

Instrument :
MSVOA_F
ClientSampleId :
CF-2(15.0)

Tgt Ion: 88 Resp: 63

Ion	Ratio	Lower	Upper
88	100		
43	1836.4	50.6	75.8#
58	0.0	46.6	69.8#

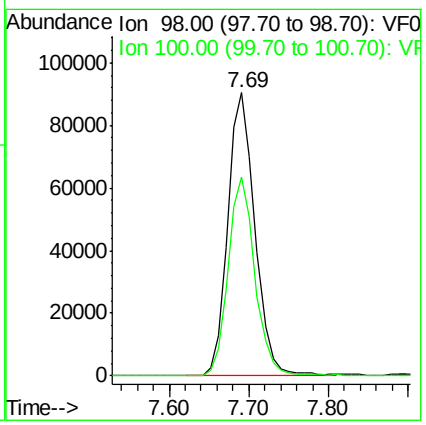


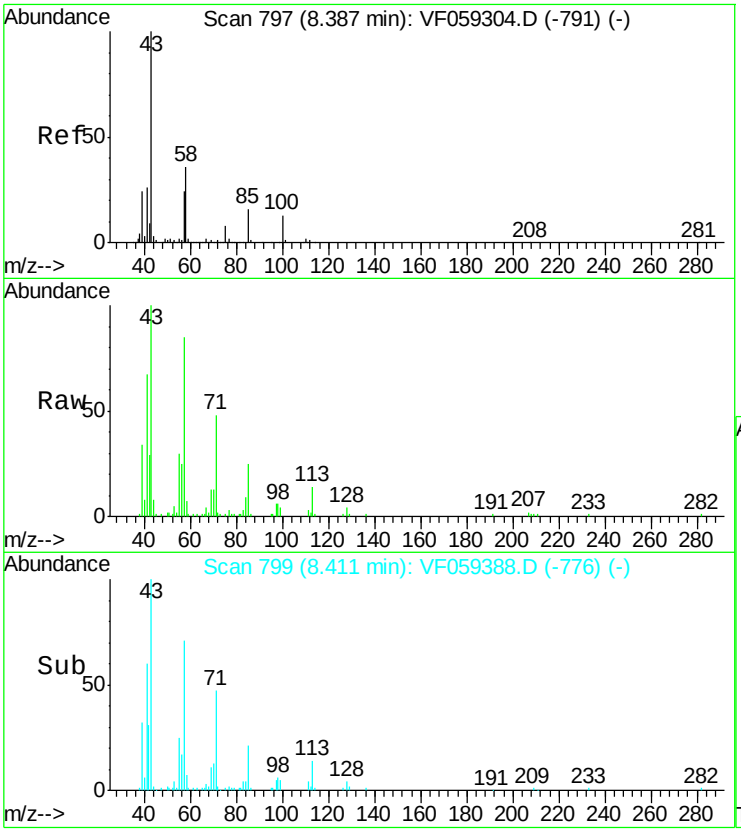


#50
Toluene-d8
Concen: 43.93 ug/l
RT: 7.69 min Scan# 726
Delta R.T. -0.01 min
Lab File: VF059388.D
Acq: 2 Jul 2018 15:45

Tgt Ion: 98 Resp: 215680

Ion	Ratio	Lower	Upper
98	100		
100	70.4	54.6	82.0



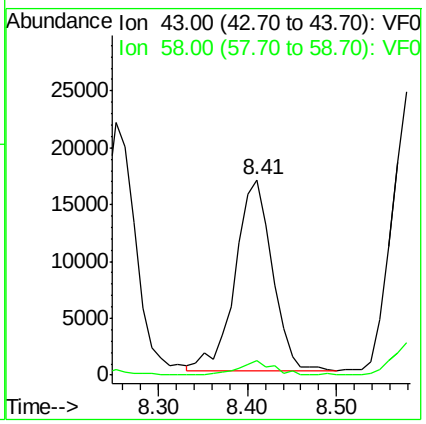


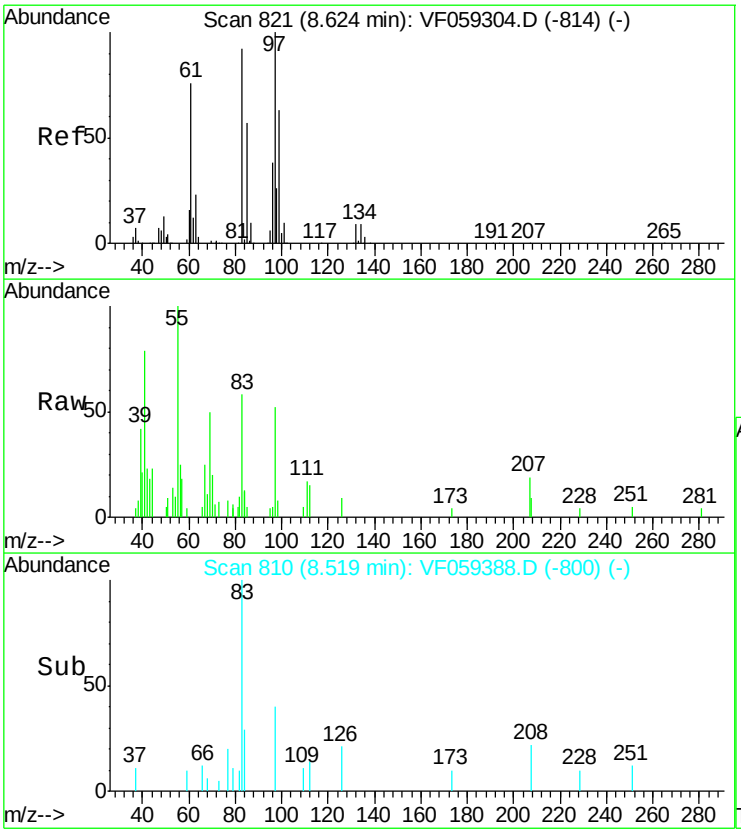
#51
4-Methyl-2-Pentanone
Concen: 33.44 ug/l
RT: 8.41 min Scan# 799
Delta R.T. 0.02 min
Lab File: VF059388.D
Acq: 2 Jul 2018 15:45

Instrument :
MSVOA_F
ClientSampleId :
CF-2(15.0)

Tgt Ion: 43 Resp: 48927

Ion	Ratio	Lower	Upper
43	100		
58	7.2	28.4	42.6#

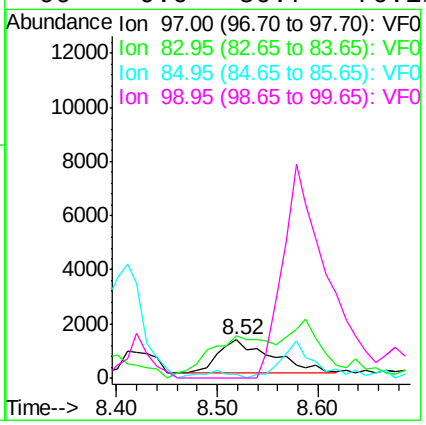


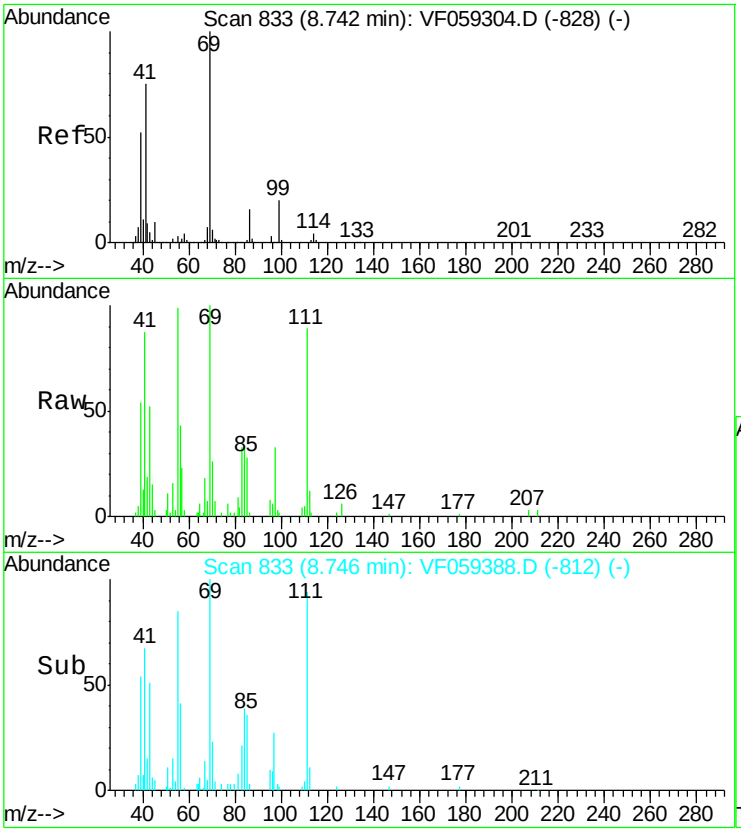


#55
1,1,2-Trichloroethane
Concen: 3.02 ug/l
RT: 8.52 min Scan# 810
Delta R.T. -0.10 min
Lab File: VF059388.D
Acq: 2 Jul 2018 15:45

Tgt Ion: 97 Resp: 4618

Ion	Ratio	Lower	Upper
97	100		
83	111.3	73.8	110.8#
85	9.3	45.5	68.3#
99	0.0	50.7	76.1#



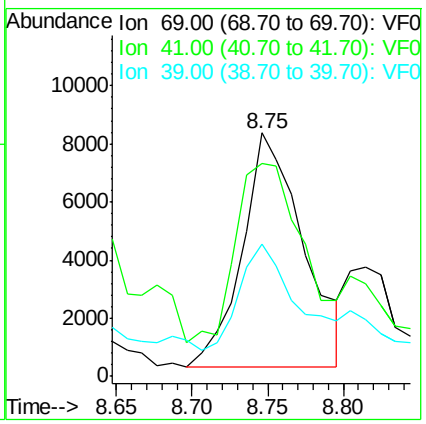


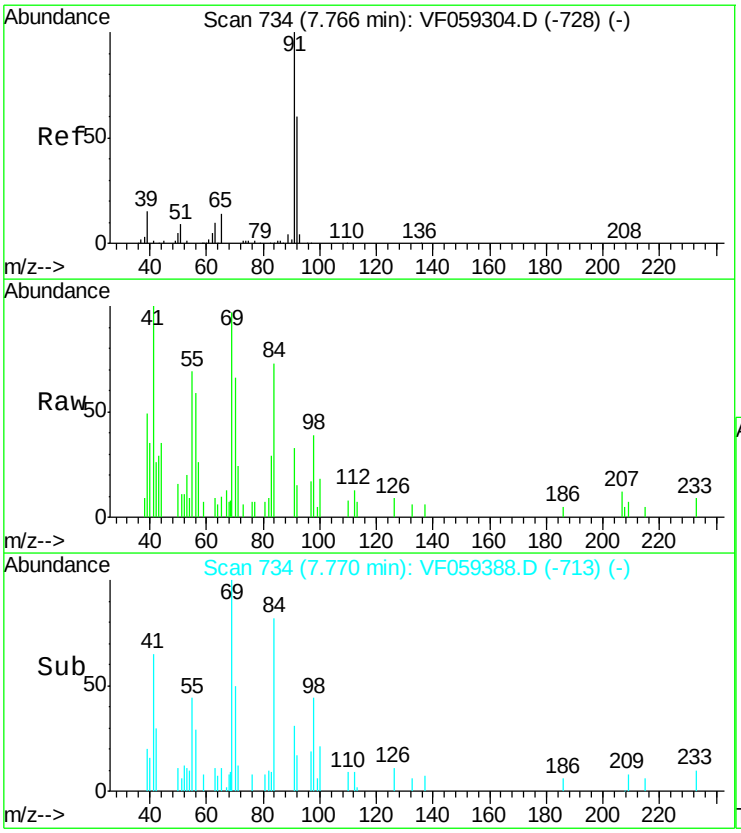
#56
Ethyl methacrylate
Concen: 11.93 ug/l
RT: 8.75 min Scan# 833
Delta R.T. 0.00 min
Lab File: VF059388.D
Acq: 2 Jul 2018 15:45

Instrument :
MSVOA_F
ClientSampleId :
CF-2(15.0)

Tgt Ion: 69 Resp: 22576

Ion	Ratio	Lower	Upper
69	100		
41	87.5	60.3	90.5
39	54.4	42.2	63.4

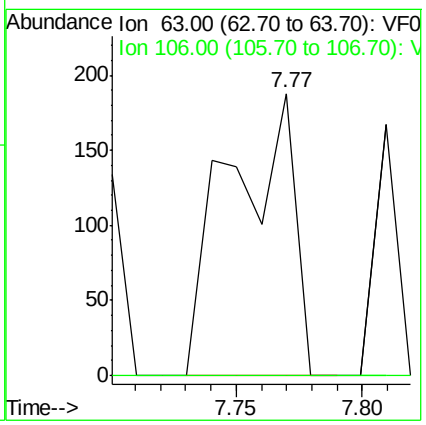


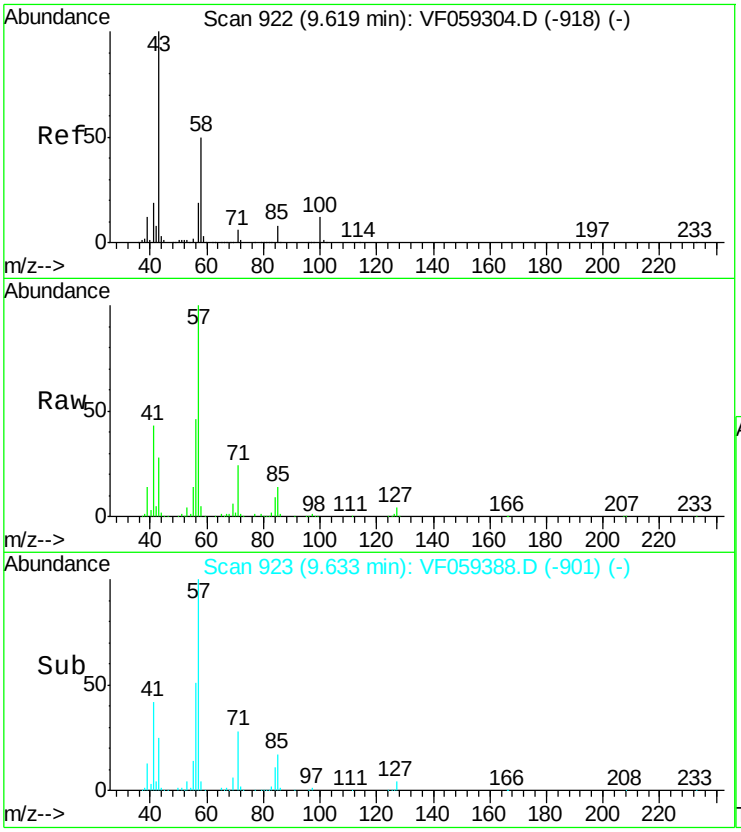


#58
2-Chloroethyl Vinyl ether
Concen: 2.38 ug/l
RT: 7.77 min Scan# 734
Delta R.T. 0.00 min
Lab File: VF059388.D
Acq: 2 Jul 2018 15:45

Tgt Ion: 63 Resp: 338

Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0



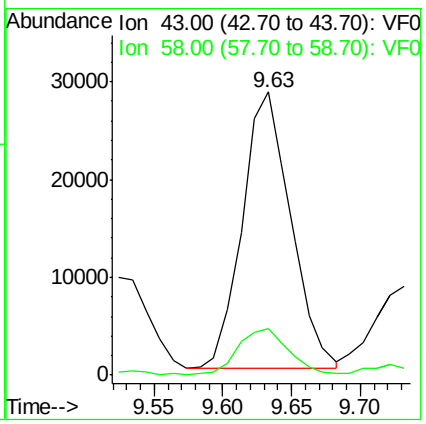


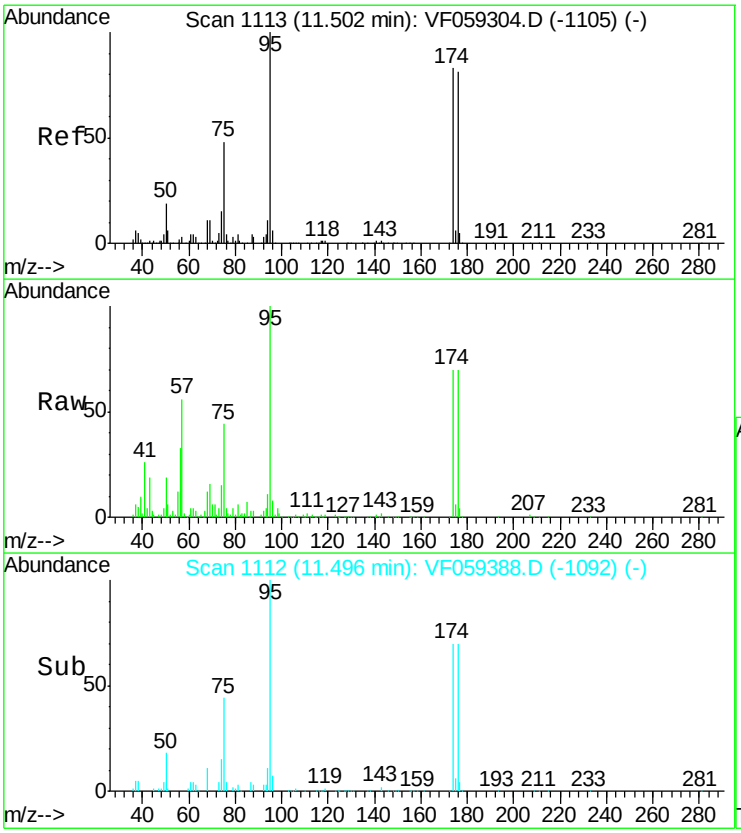
#59
2-Hexanone
Concen: 49.58 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.01 min
Lab File: VF059388.D
Acq: 2 Jul 2018 15:45

Instrument :
MSVOA_F
ClientSampleId :
CF-2(15.0)

Tgt Ion: 43 Resp: 69387

Ion	Ratio	Lower	Upper
43	100		
58	16.4	23.3	69.9#

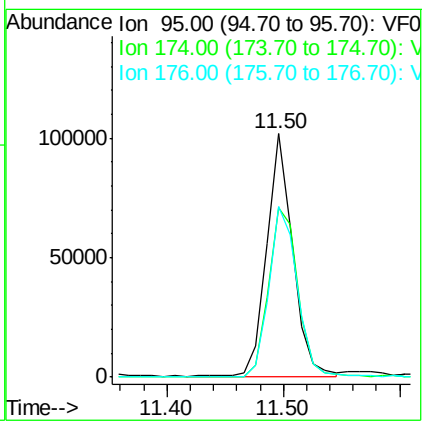


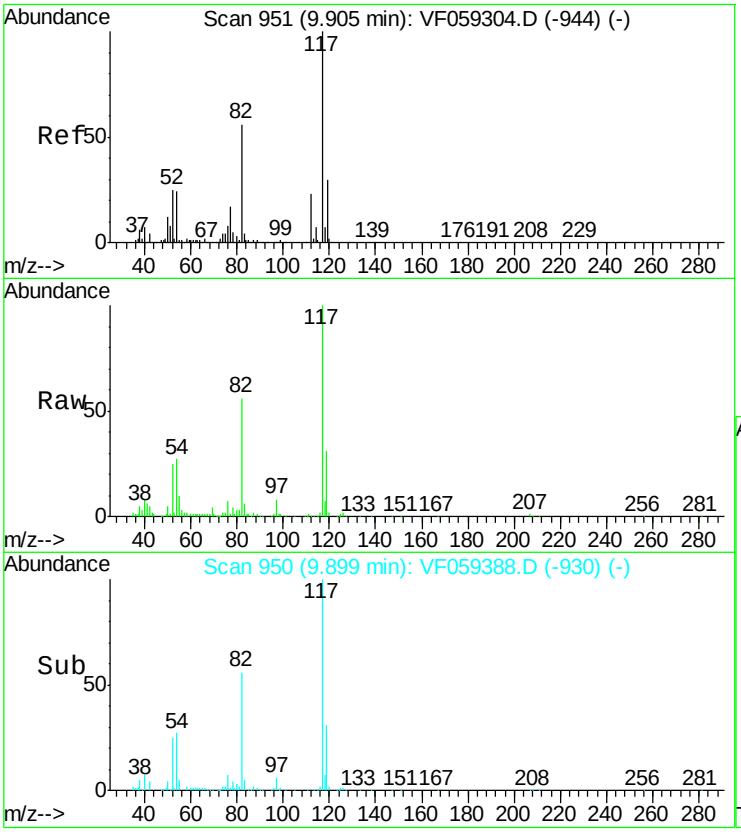


#62
4-Bromofluorobenzene
Concen: 56.77 ug/l
RT: 11.50 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VF059388.D
Acq: 2 Jul 2018 15:45

Tgt Ion: 95 Resp: 157235

Ion	Ratio	Lower	Upper
95	100		
174	69.6	0.0	165.2
176	69.8	0.0	161.0



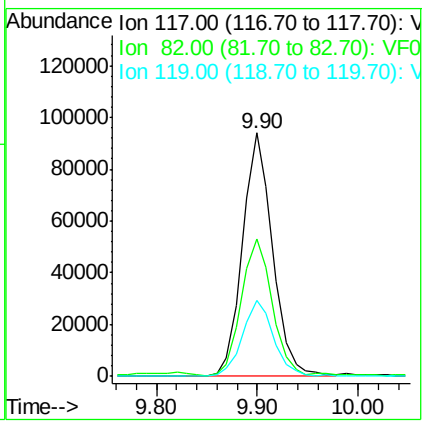


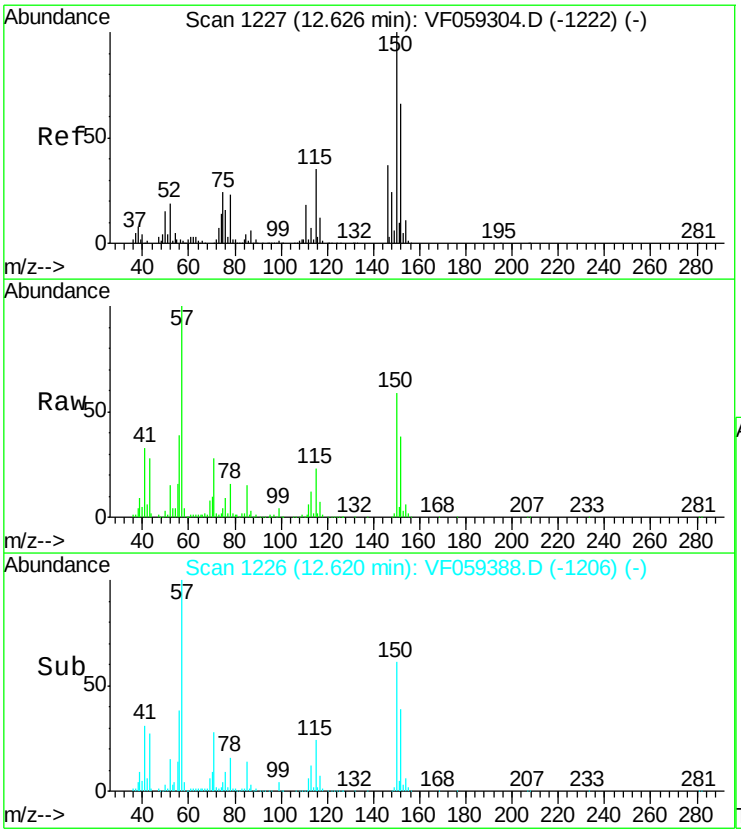
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.01 min
Lab File: VF059388.D
Acq: 2 Jul 2018 15:45

Instrument :
MSVOA_F
ClientSampleId :
CF-2(15.0)

Tgt Ion:117 Resp: 195823

Ion	Ratio	Lower	Upper
117	100		
82	56.4	44.6	66.8
119	31.0	24.1	36.1

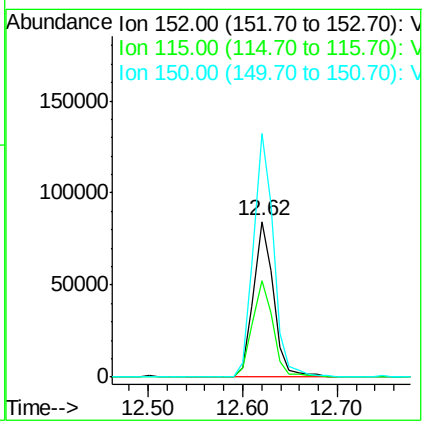


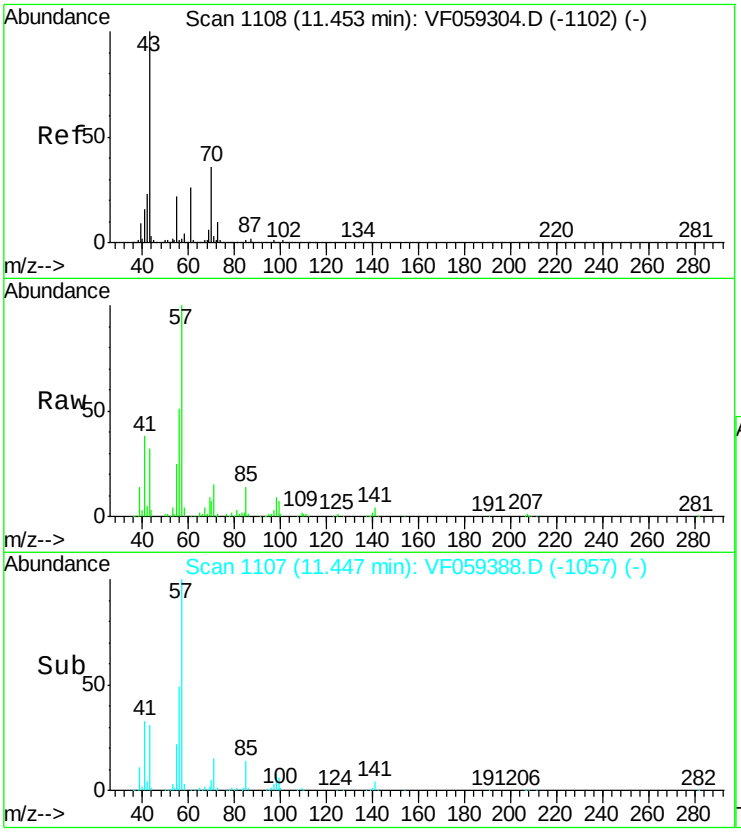


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. -0.01 min
Lab File: VF059388.D
Acq: 2 Jul 2018 15:45

Tgt Ion:152 Resp: 126340

Ion	Ratio	Lower	Upper
152	100		
115	62.0	27.1	81.3
150	156.3	0.0	305.2



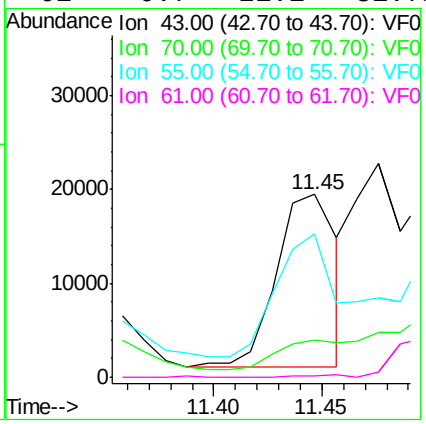


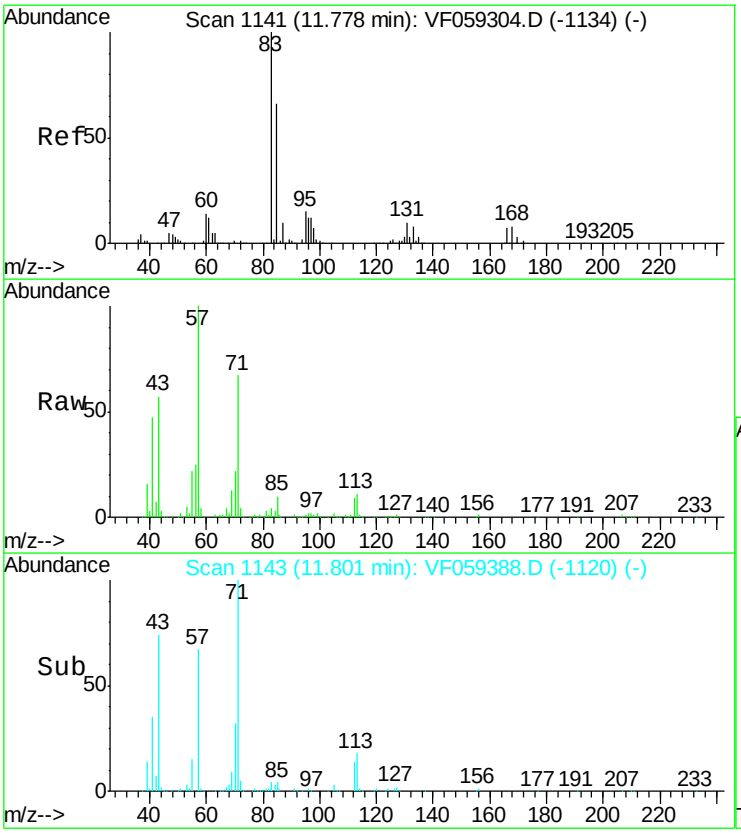
#74
N-amyl acetate
Concen: 13.27 ug/l
RT: 11.45 min Scan# 1107
Delta R.T. -0.01 min
Lab File: VF059388.D
Acq: 2 Jul 2018 15:45

Instrument : MSVOA_F
ClientSampleId : CF-2(15.0)

Tgt Ion: 43 Resp: 35441

Ion	Ratio	Lower	Upper
43	100		
70	20.4	28.8	43.2#
55	78.2	17.4	26.0#
61	0.7	21.1	31.7#

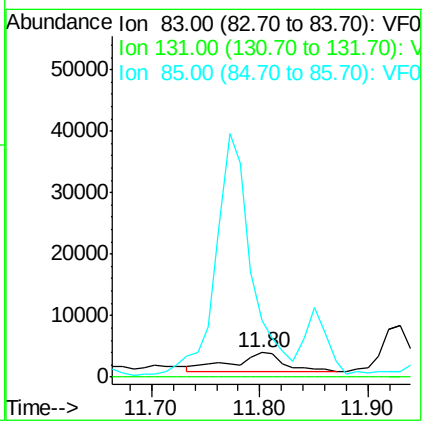


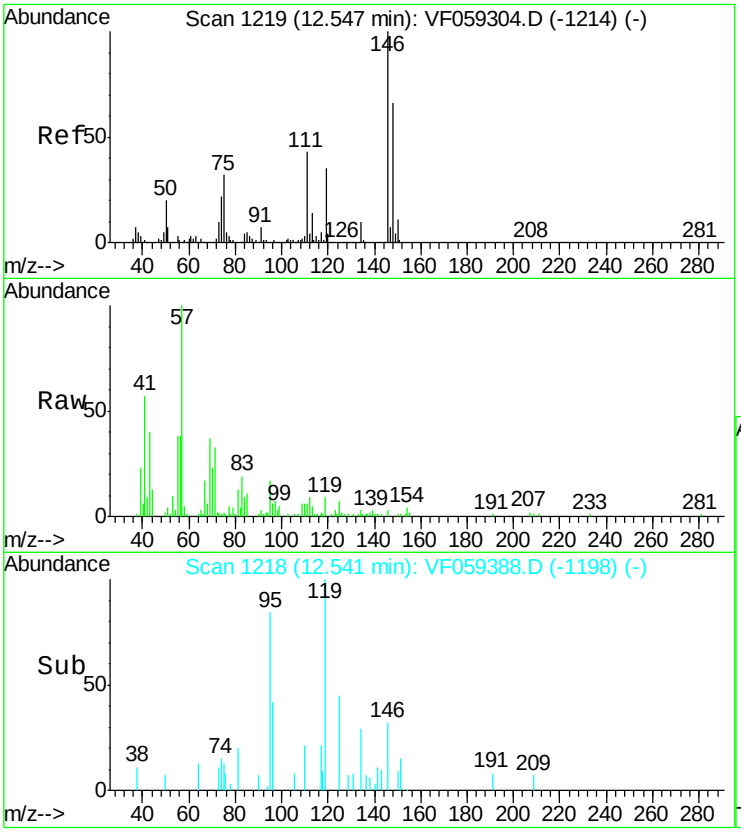


#75
1,1,2,2-Tetrachloroethane
Concen: 5.94 ug/l
RT: 11.80 min Scan# 1143
Delta R.T. 0.02 min
Lab File: VF059388.D
Acq: 2 Jul 2018 15:45

Tgt Ion: 83 Resp: 11044

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.9	14.6#
85	237.3	32.8	98.4#



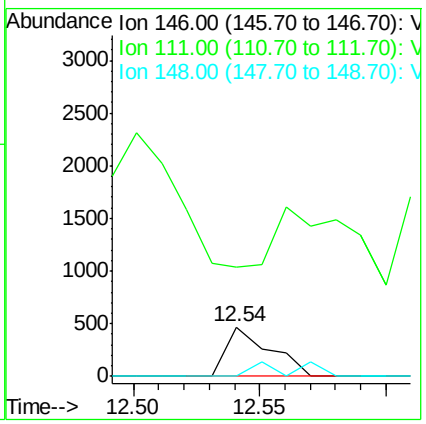


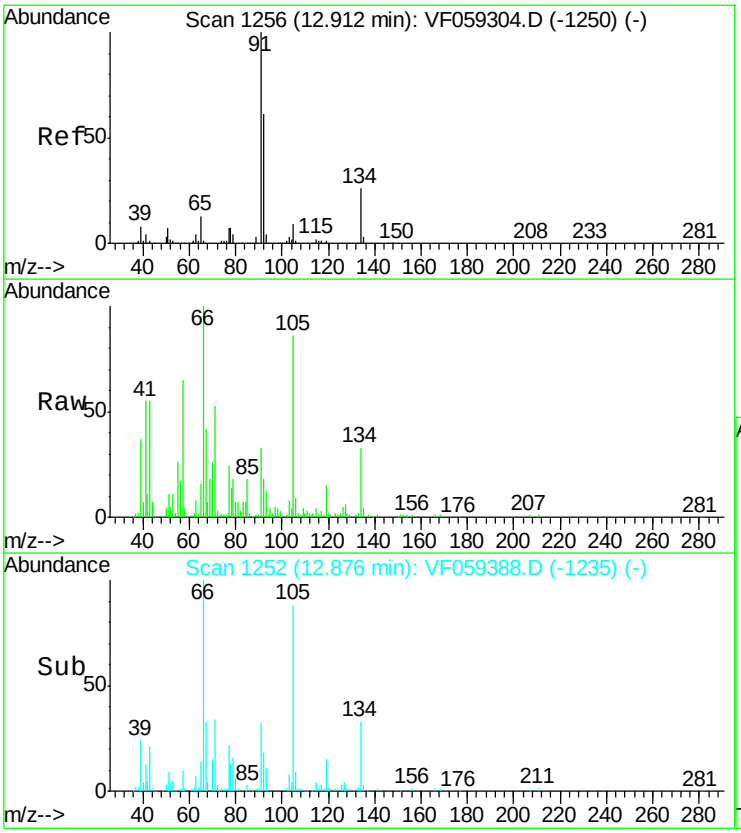
#87
1,3-Dichlorobenzene
Concen: Below Cal
RT: 12.54 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VF059388.D
Acq: 2 Jul 2018 15:45

Instrument :
MSVOA_F
ClientSampleId :
CF-2(15.0)

Tgt Ion:146 Resp: 563

Ion	Ratio	Lower	Upper
146	100		
111	220.1	21.4	64.2#
148	0.0	32.8	98.4#

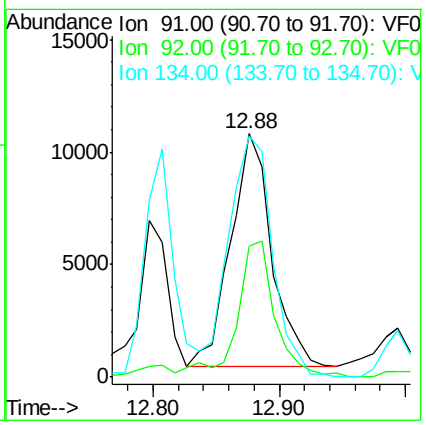


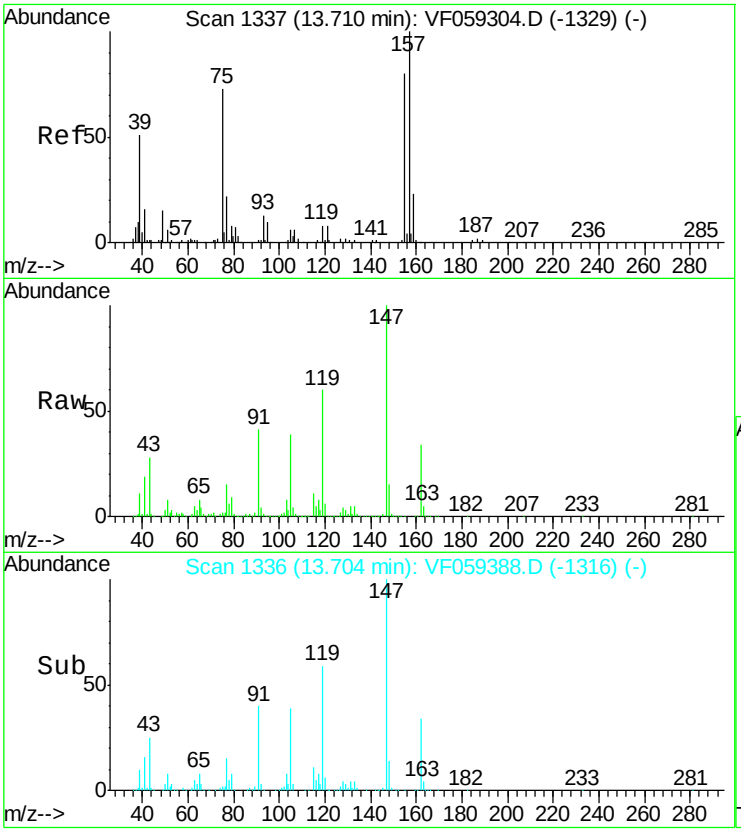


#89
n-Butylbenzene
Concen: 3.22 ug/l
RT: 12.88 min Scan# 1252
Delta R.T. -0.04 min
Lab File: VF059388.D
Acq: 2 Jul 2018 15:45

Tgt Ion: 91 Resp: 23444

Ion	Ratio	Lower	Upper
91	100		
92	53.5	30.3	91.0
134	99.2	12.9	38.7#



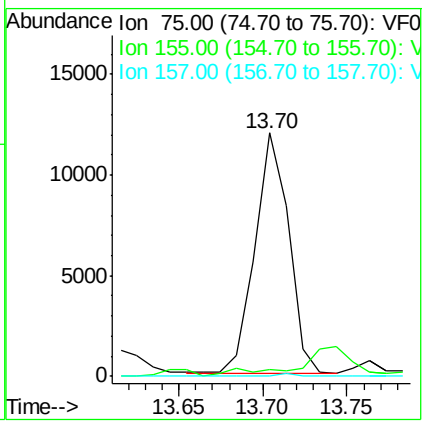


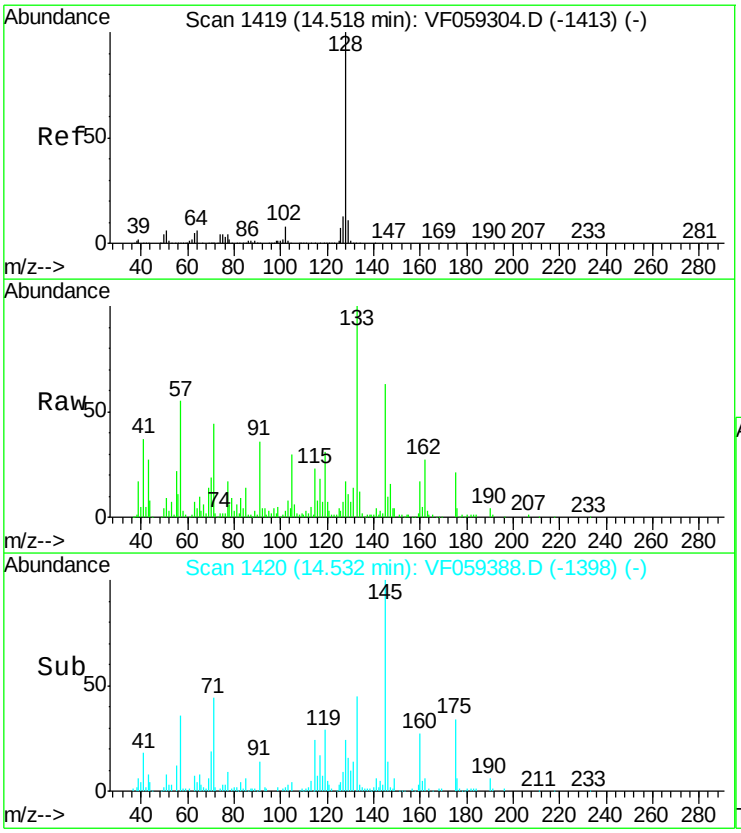
#92
1,2-Dibromo-3-Chloropropane
Concen: 40.01 ug/l
RT: 13.70 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VF059388.D
Acq: 2 Jul 2018 15:45

Instrument :
MSVOA_F
ClientSampleId :
CF-2(15.0)

Tgt Ion: 75 Resp: 16488

Ion	Ratio	Lower	Upper
75	100		
155	2.8	54.6	163.8#
157	0.0	68.7	205.9#





#95
Naphthalene
Concen: 2.73 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.01 min
Lab File: VF059388.D
Acq: 2 Jul 2018 15:45

Tgt Ion:128 Resp: 15662

Ion	Ratio	Lower	Upper
128	100		
127	43.3	10.1	15.1#
129	64.9	8.8	13.2#