Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072018\
Data File : VF059599.D
Acq On : 20 Jul 2018 23:44
Operator : VA/AP
Sample : J4051-03RE
Misc : 5.61g/5mL/MSVOA F/SOIL
ALS Vial : 94 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId :

Quant Time: Jul 21 03:58:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 18 04:09:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.04	168	196092	50.00	ug/l		-0.01
34) 1,4-Difluorobenzene	5.76	114	297297	50.00	ug/l		-0.02
63) Chlorobenzene-d5	9.91	117	223645	50.00	ug/l		-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	41735	50.00	ug/l		-0.01
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.02	65	143928	47.19	ug/l		-0.01
Spiked Amount 50.000			Recovery = 94.38%				
35) Dibromofluoromethane	4.28	113	125108	48.59	ug/l		-0.02
Spiked Amount 50.000			Recovery = 97.18%				
50) Toluene-d8	7.71	98	210017	32.38	ug/l		-0.02
Spiked Amount 50.000			Recovery = 64.76%				
62) 4-Bromofluorobenzene	11.51	95	79806	23.46	ug/l		-0.01
Spiked Amount 50.000			Recovery = 46.92%				
Target Compounds							Qvalue
11) Tert butyl alcohol	2.67	59	346	Below Cal		#	4
13) Acrolein	2.17	56	96	Below Cal			91
16) Acetone	2.32	43	4561	Below Cal		#	64
18) Methyl Acetate	2.46	43	1278	Below Cal		#	67
20) Methylene Chloride	2.35	84	61	Below Cal		#	67
29) Tetrahydrofuran	4.27	42	225	Below Cal		#	61
30) Chloroform	4.04	83	5096	1.111	ug/l		98
37) Ethyl Acetate	4.30	43	87	Below Cal		#	41
49) 1,4-Dioxane	6.91	88	132	2.460	ug/l	#	23
51) 4-Methyl-2-Pentanone	8.42	43	5207	3.435	ug/l	#	40
52) Toluene	7.77	92	228449	54.563	ug/l		99
56) Ethyl methacrylate	8.77	69	7704	3.829	ug/l	#	83
58) 2-Chloroethyl Vinyl ether	7.77	63	46881	263.948	ug/l		100
59) 2-Hexanone	9.66	43	5294	4.621	ug/l		67
67) Ethyl Benzene	10.04	91	10383	1.391	ug/l		99
68) m/p-Xylenes	10.27	106	20202	7.667	ug/l		96
69) o-Xylene	10.83	106	11303	4.028	ug/l		85
73) Isopropylbenzene	11.22	105	2842	1.079	ug/l		90
74) N-amyl acetate	11.48	43	2847	3.375	ug/l	#	60
76) 1,2,3-Trichloropropane	11.91	75	806	1.718	ug/l	#	1
78) n-propylbenzene	11.69	91	8446	2.796	ug/l		86
79) 2-Chlorotoluene	11.80	91	10796	5.802	ug/l	#	43
80) 1,3,5-Trimethylbenzene	11.91	105	36272	16.437	ug/l		90
81) trans-1,4-Dichloro-2-buten	11.97	75	368	1.717	ug/l	#	50
84) 1,2,4-Trimethylbenzene	12.29	105	97212	42.818	ug/l		97
85) sec-Butylbenzene	12.39	105	3818	1.417	ug/l	#	69
86) p-Isopropyltoluene	12.54	119	11024	4.704	ug/l		95
89) n-Butylbenzene	12.91	91	7468	3.405	ug/l	#	43
92) 1,2-Dibromo-3-Chloropropan	13.63	75	196	1.506	ug/l	#	8
95) Naphthalene	14.53	128	8584	5.615	ug/l	#	91

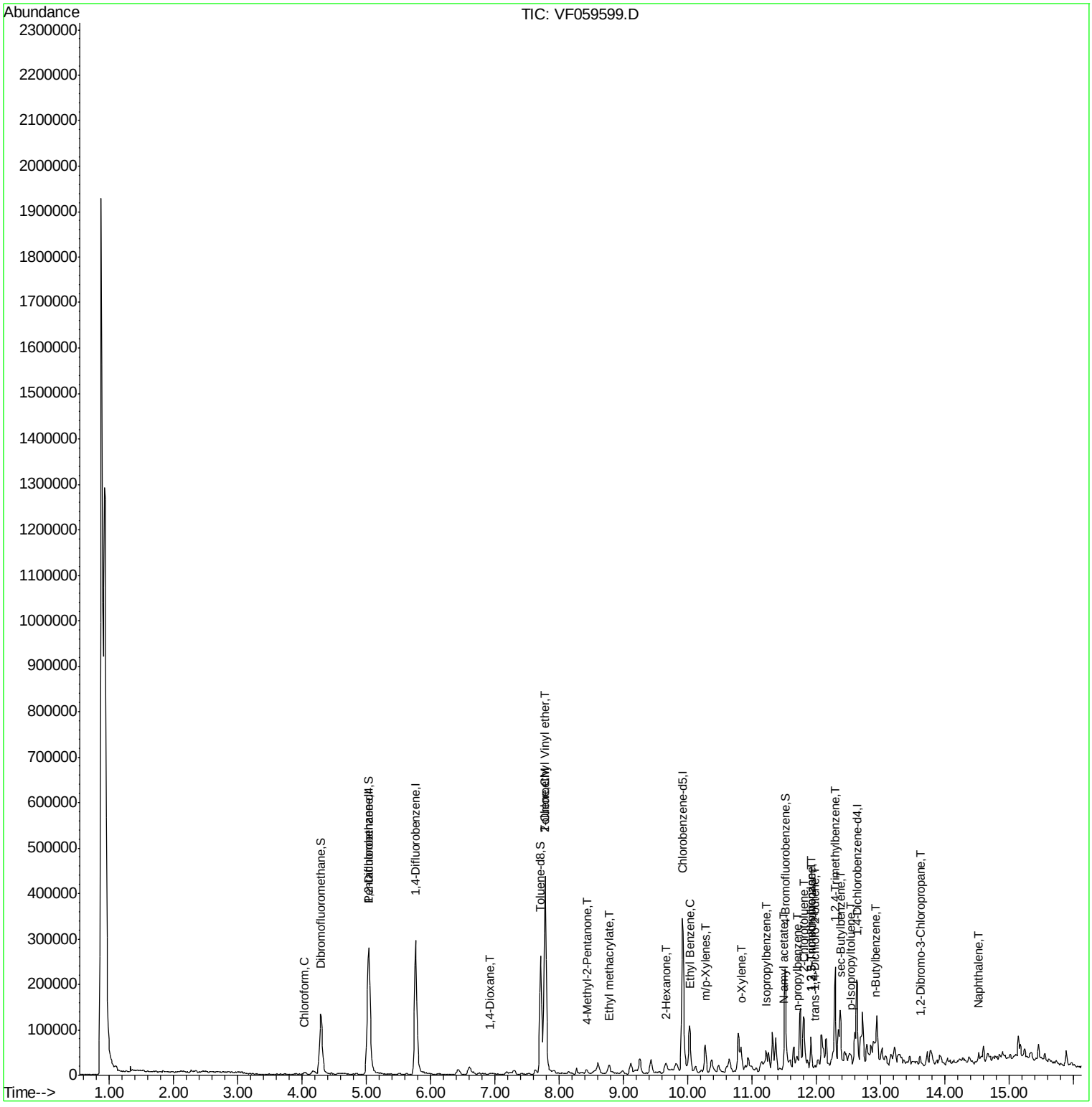
(#) = qualifier out of range (m) = manual integration (+) = signals summed

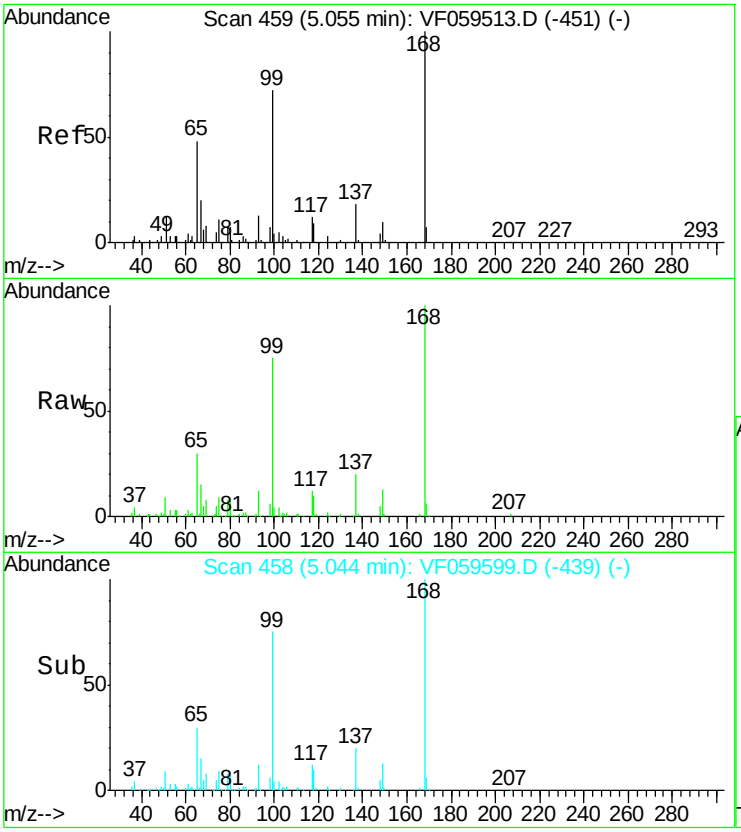
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072018\
Data File : VF059599.D
Acq On : 20 Jul 2018 23:44
Operator : VA/AP
Sample : J4051-03RE
Misc : 5.61g/5mL/MSVOA F/SOIL
ALS Vial : 94 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Jul 21 03:58:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 18 04:09:10 2018
Response via : Initial Calibration



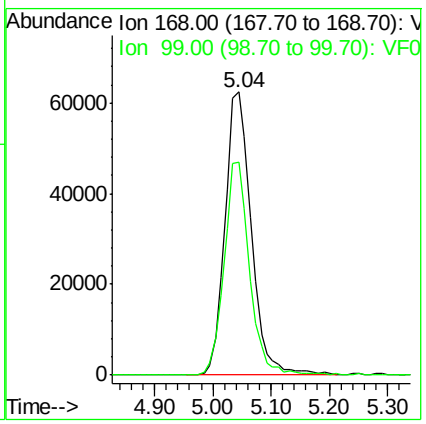


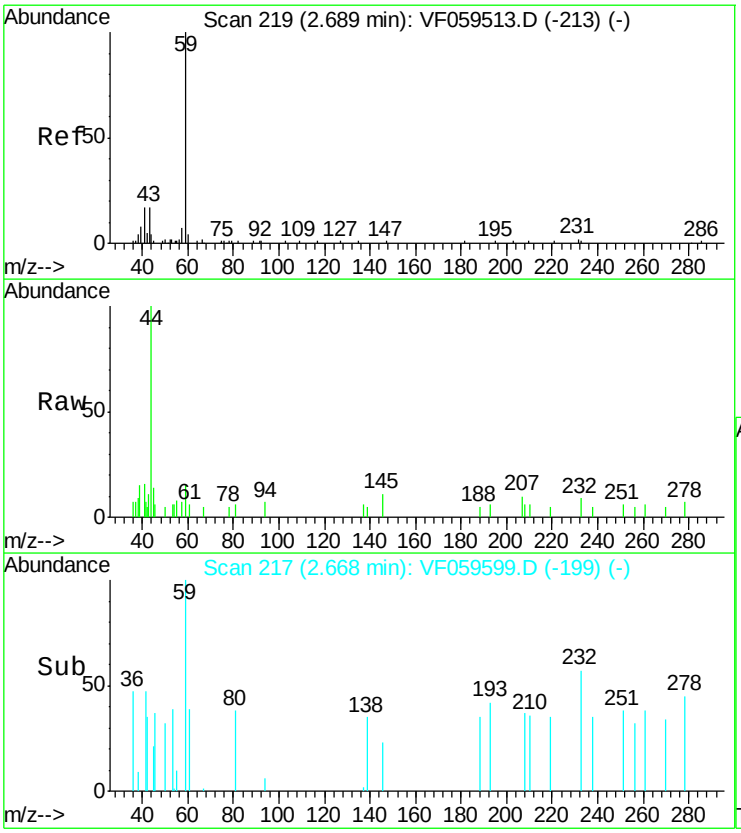
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.04 min Scan# 458
Delta R.T. -0.01 min
Lab File: VF059599.D
Acq: 20 Jul 2018 23:44

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion:168 Resp: 196092

Ion	Ratio	Lower	Upper
168	100		
99	75.4	57.6	86.4

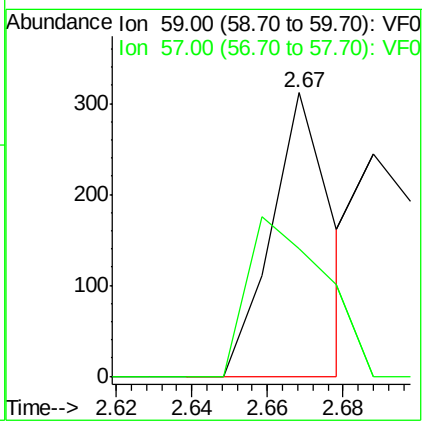


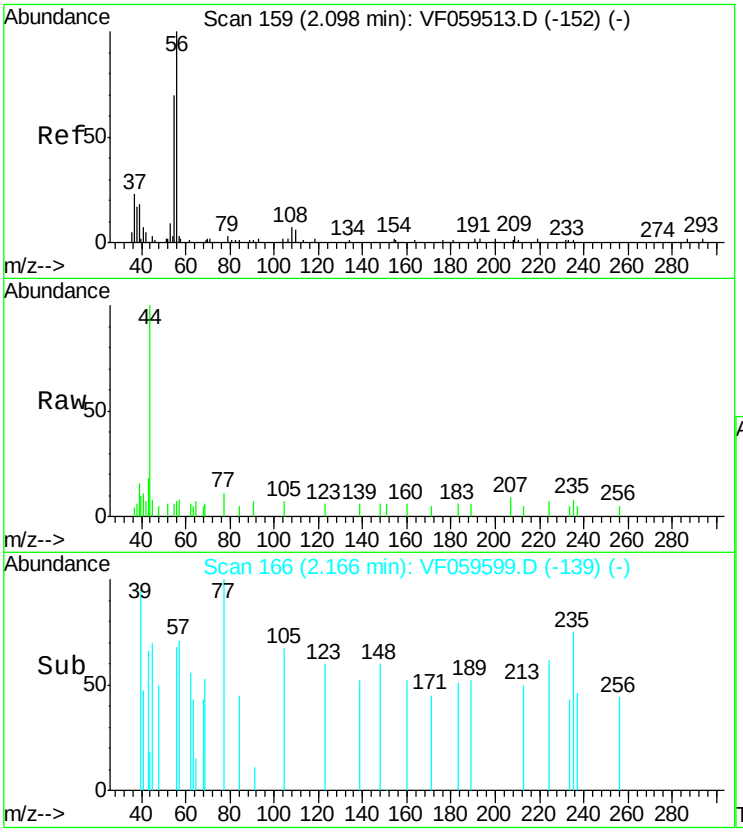


#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.67 min Scan# 217
Delta R.T. -0.02 min
Lab File: VF059599.D
Acq: 20 Jul 2018 23:44

Tgt Ion: 59 Resp: 346

Ion	Ratio	Lower	Upper
59	100		
57	44.9	7.7	11.5#



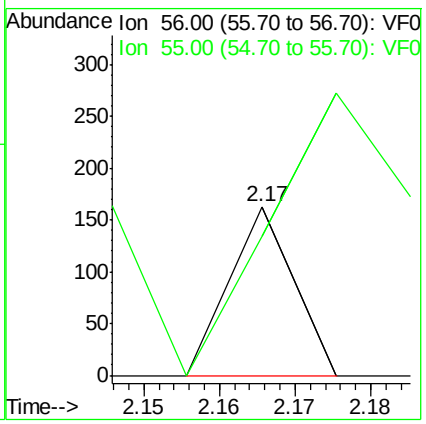


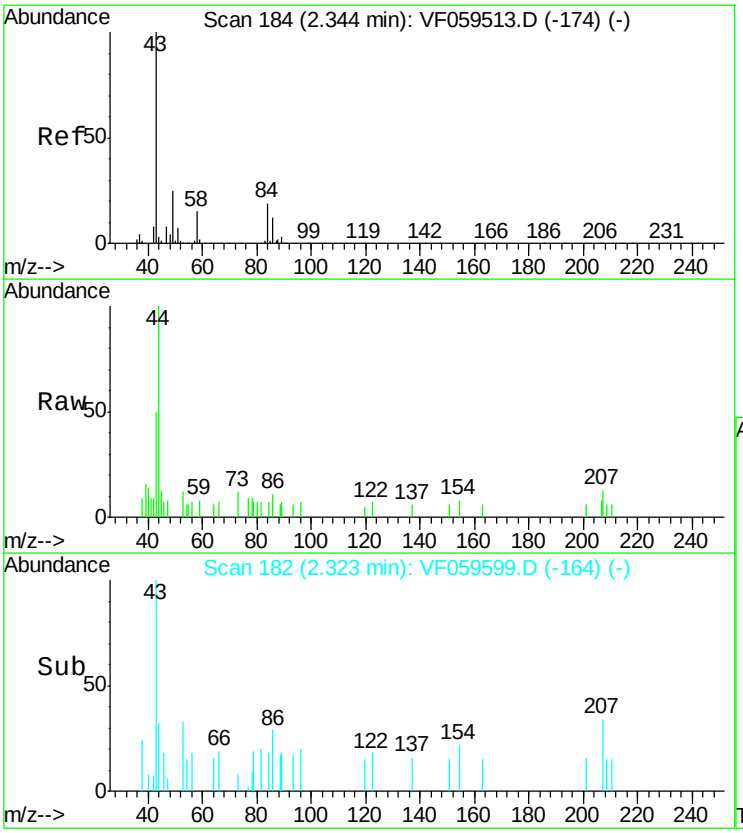
#13
Acrolein
Concen: Below Cal
RT: 2.17 min Scan# 166
Delta R.T. 0.07 min
Lab File: VF059599.D
Acq: 20 Jul 2018 23:44

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 56 Resp: 96

Ion	Ratio	Lower	Upper
56	100		
55	82.2	59.4	89.2

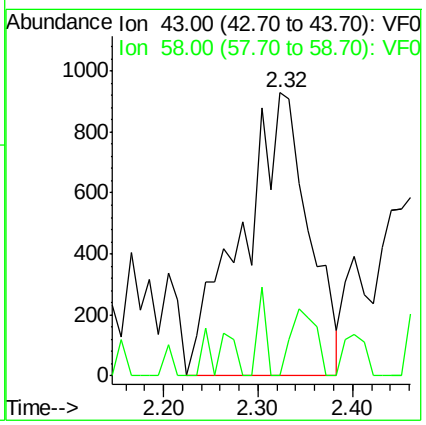


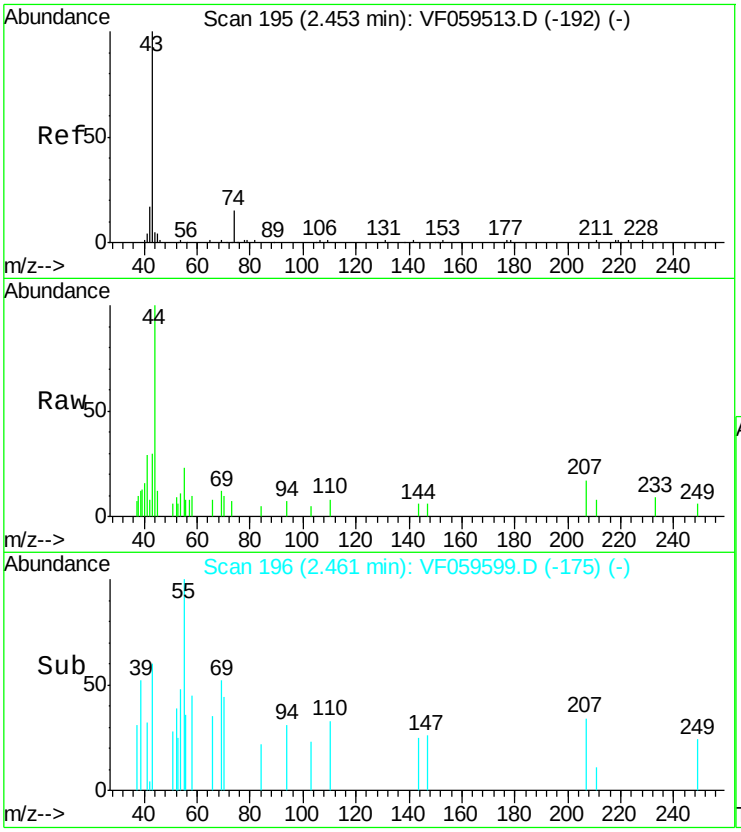


#16
Acetone
Concen: Below Cal
RT: 2.32 min Scan# 182
Delta R.T. -0.02 min
Lab File: VF059599.D
Acq: 20 Jul 2018 23:44

Tgt Ion: 43 Resp: 4561

Ion	Ratio	Lower	Upper
43	100		
58	0.0	11.8	17.6#



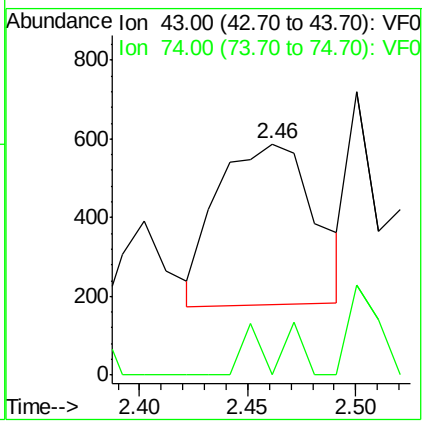


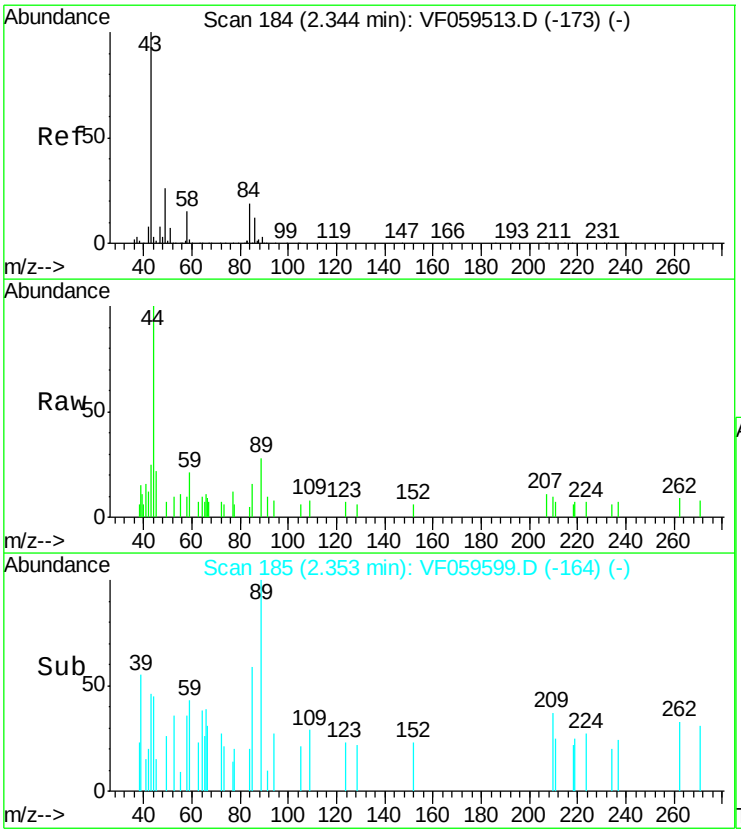
#18
Methyl Acetate
Concen: Below Cal
RT: 2.46 min Scan# 196
Delta R.T. 0.01 min
Lab File: VF059599.D
Acq: 20 Jul 2018 23:44

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 1278

Ion	Ratio	Lower	Upper
43	100		
74	0.0	10.6	15.8#

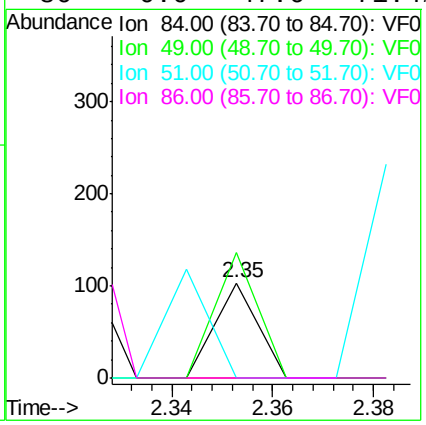


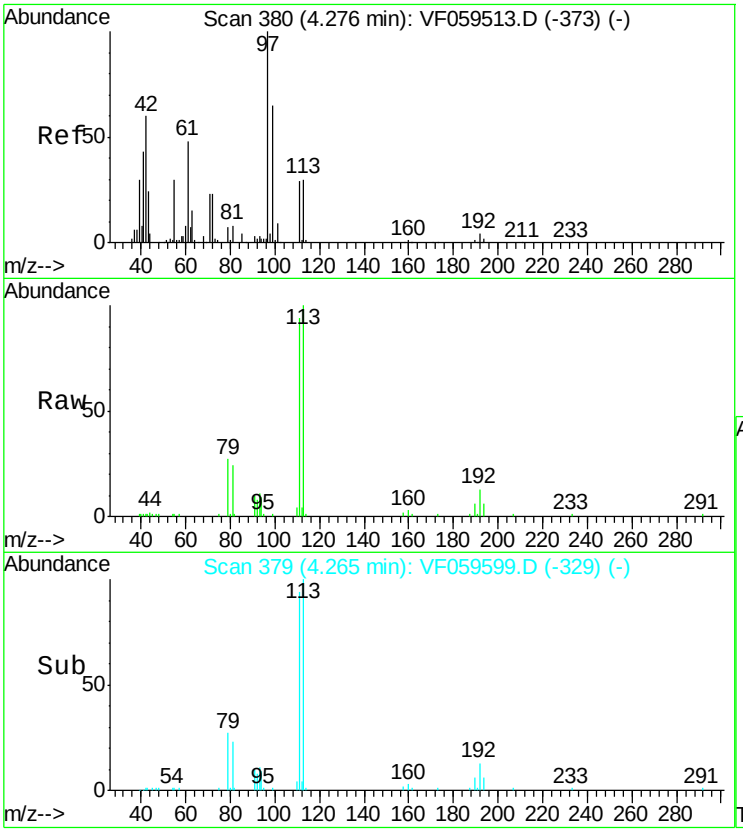


#20
Methylene Chloride
Concen: Below Cal
RT: 2.35 min Scan# 185
Delta R.T. 0.01 min
Lab File: VF059599.D
Acq: 20 Jul 2018 23:44

Tgt Ion: 84 Resp: 61

Ion	Ratio	Lower	Upper
84	100		
49	132.0	109.4	164.2
51	0.0	30.5	45.7#
86	0.0	47.6	71.4#



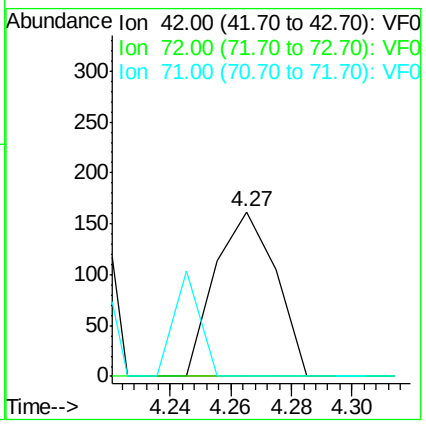


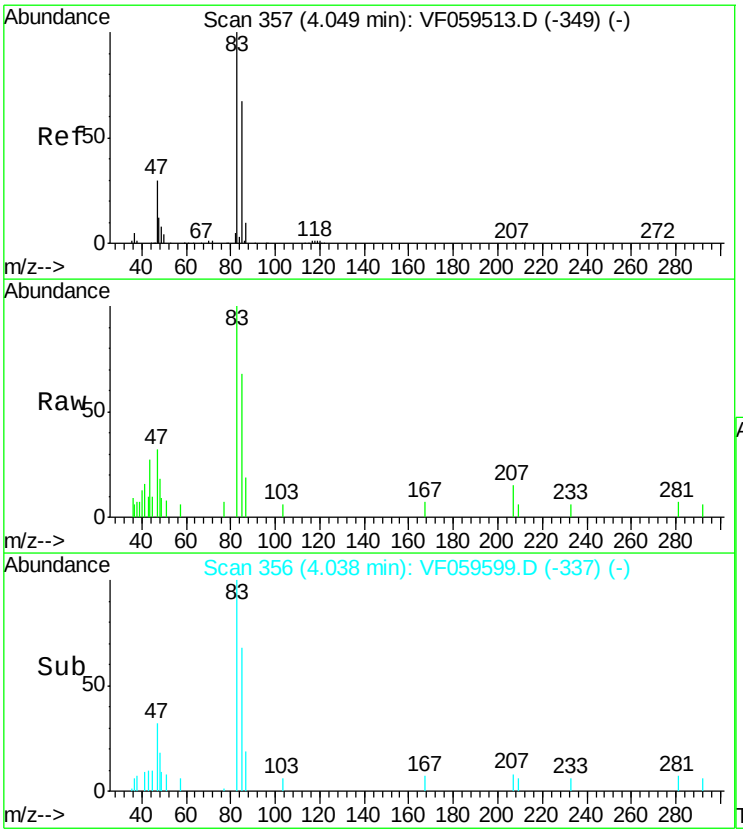
#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF059599.D
Acq: 20 Jul 2018 23:44

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 42 Resp: 225

Ion	Ratio	Lower	Upper
42	100		
72	0.0	28.7	43.1#
71	27.1	30.8	46.2#

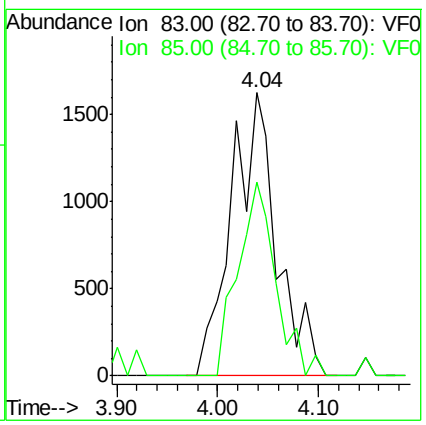


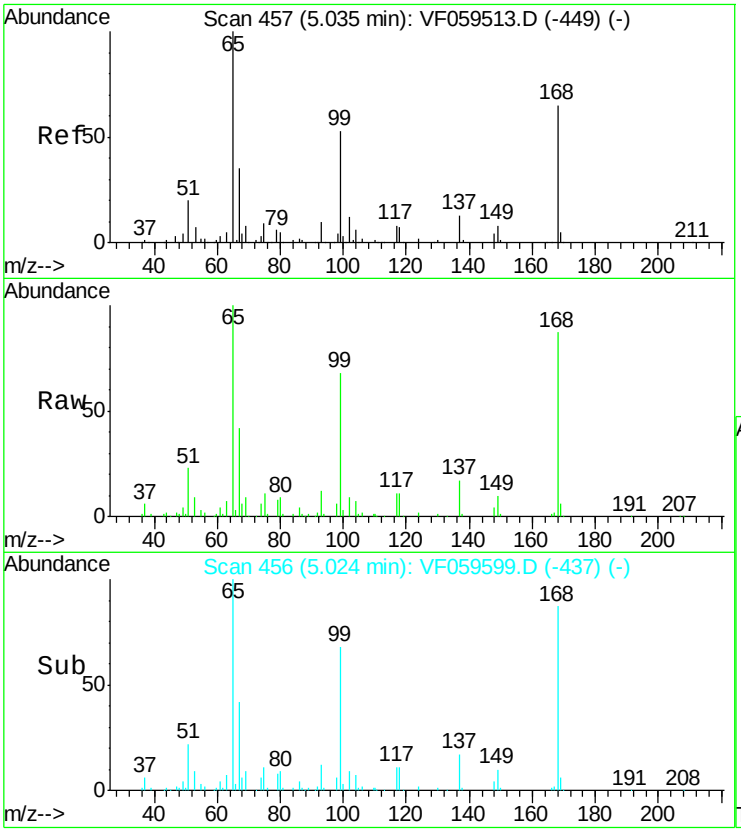


#30
Chloroform
Concen: 1.111 ug/l
RT: 4.04 min Scan# 356
Delta R.T. -0.01 min
Lab File: VF059599.D
Acq: 20 Jul 2018 23:44

Tgt Ion: 83 Resp: 5096

Ion	Ratio	Lower	Upper
83	100		
85	68.5	53.2	79.8



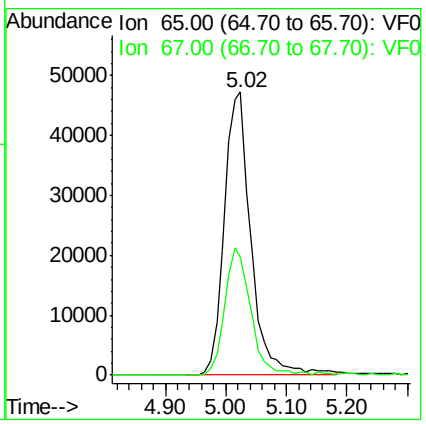


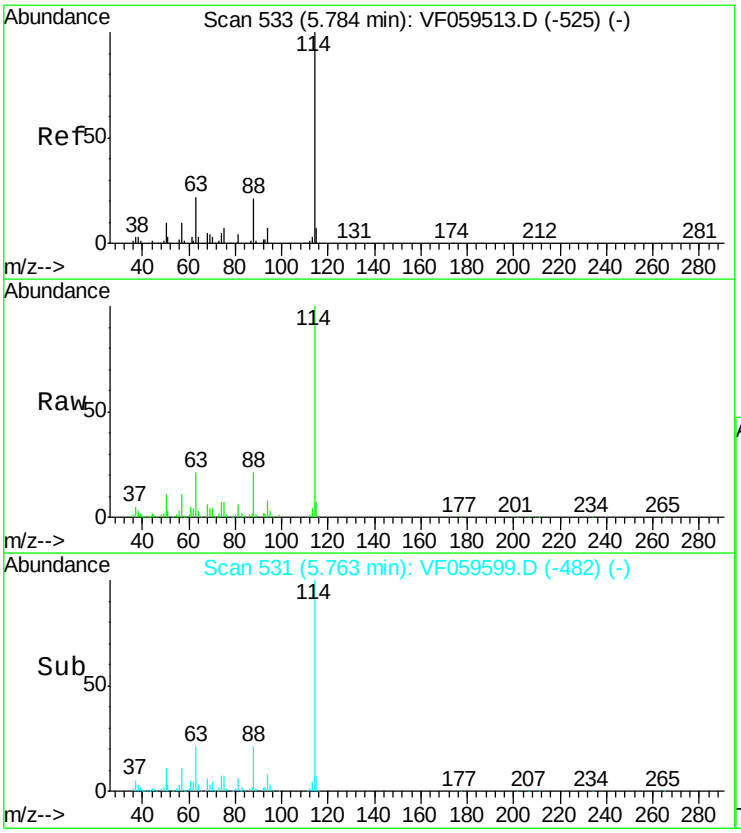
#33
1,2-Dichloroethane-d4
Concen: 47.194 ug/l
RT: 5.02 min Scan# 456
Delta R.T. -0.01 min
Lab File: VF059599.D
Acq: 20 Jul 2018 23:44

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 65 Resp: 143928

Ion	Ratio	Lower	Upper
65	100		
67	42.0	0.0	91.2

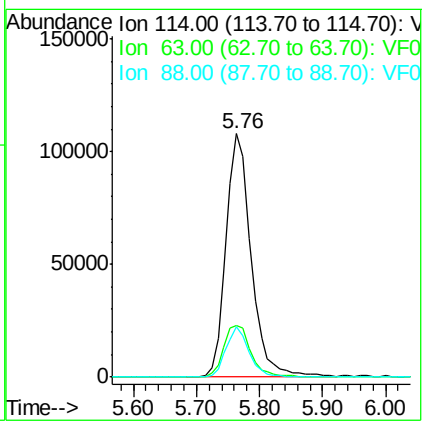


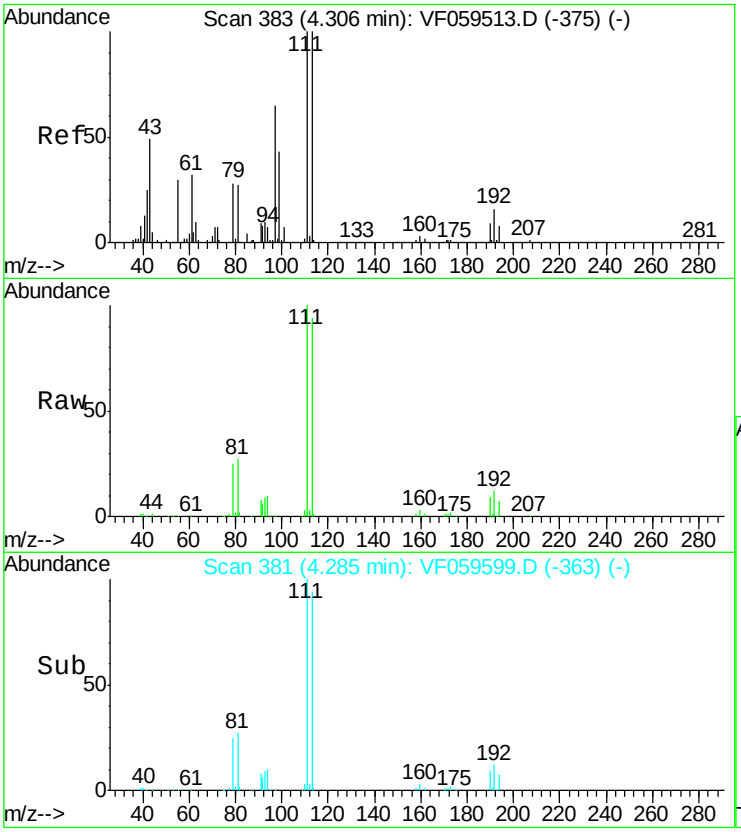


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.76 min Scan# 531
Delta R.T. -0.02 min
Lab File: VF059599.D
Acq: 20 Jul 2018 23:44

Tgt Ion:114 Resp: 297297

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	44.8
88	20.8	0.0	42.6



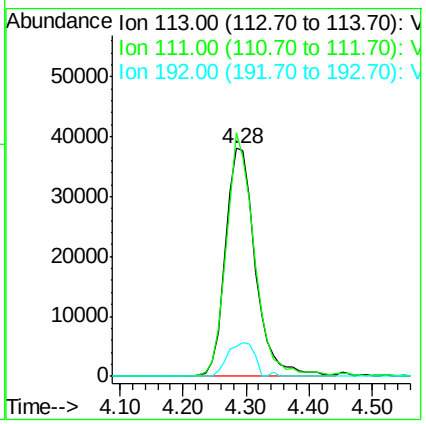


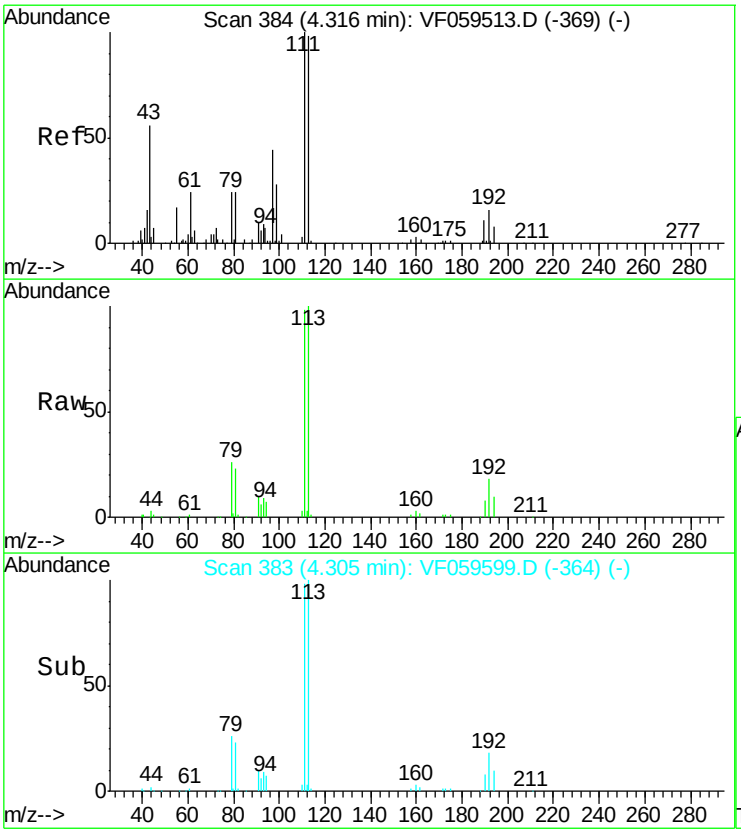
#35
Dibromofluoromethane
Concen: 48.589 ug/l
RT: 4.28 min Scan# 381
Delta R.T. -0.02 min
Lab File: VF059599.D
Acq: 20 Jul 2018 23:44

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:113 Resp: 125108

Ion	Ratio	Lower	Upper
113	100		
111	106.7	80.3	120.5
192	13.0	13.1	19.7#

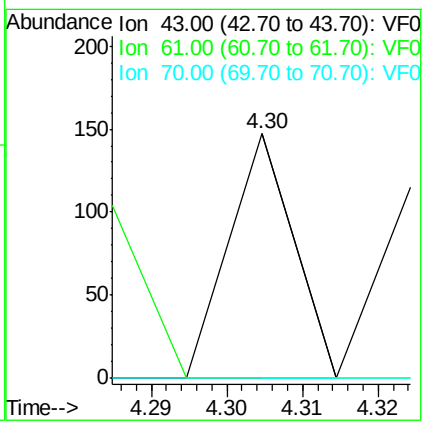


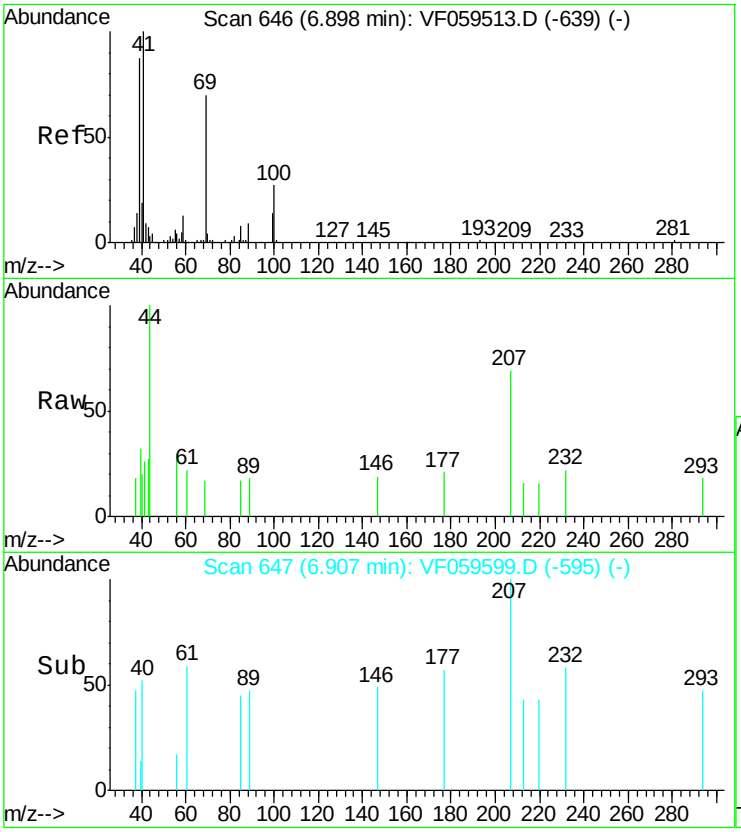


#37
Ethyl Acetate
Concen: Below Cal
RT: 4.30 min Scan# 383
Delta R.T. -0.01 min
Lab File: VF059599.D
Acq: 20 Jul 2018 23:44

Tgt Ion: 43 Resp: 87

Ion	Ratio	Lower	Upper
43	100		
61	0.0	33.7	50.5#
70	0.0	7.4	11.0#



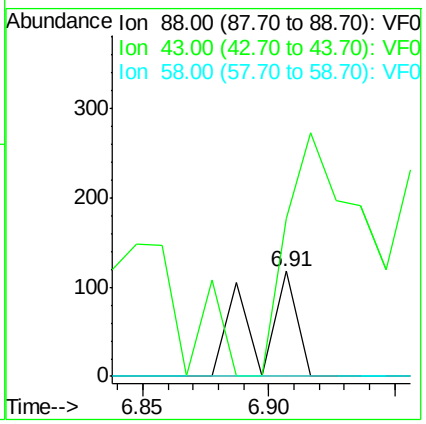


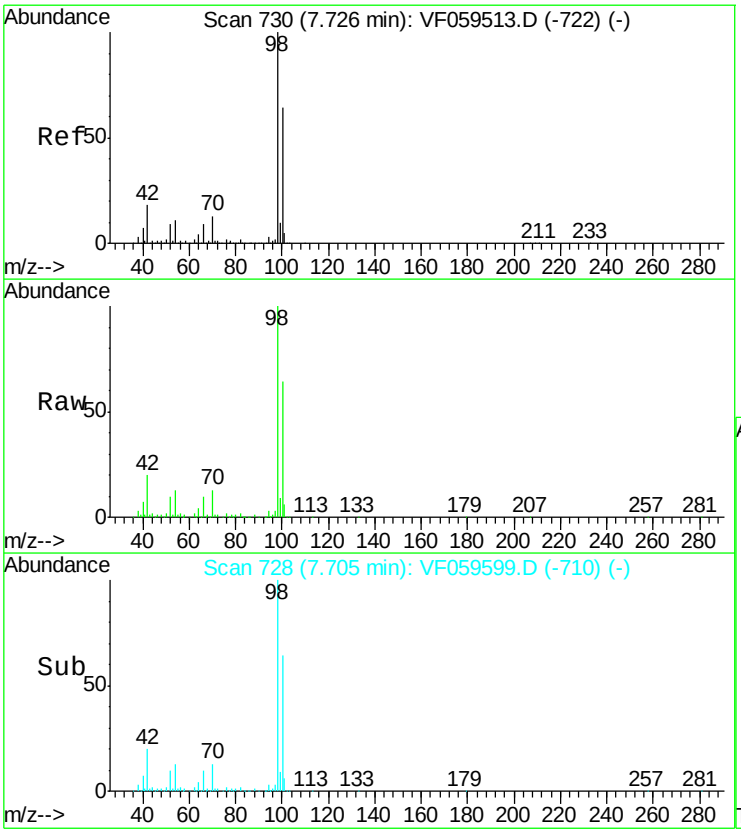
#49
1,4-Dioxane
Concen: 2.460 ug/l
RT: 6.91 min Scan# 647
Delta R.T. 0.01 min
Lab File: VF059599.D
Acq: 20 Jul 2018 23:44

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 88 Resp: 132

Ion	Ratio	Lower	Upper
88	100		
43	150.0	64.8	97.2#
58	0.0	44.1	66.1#

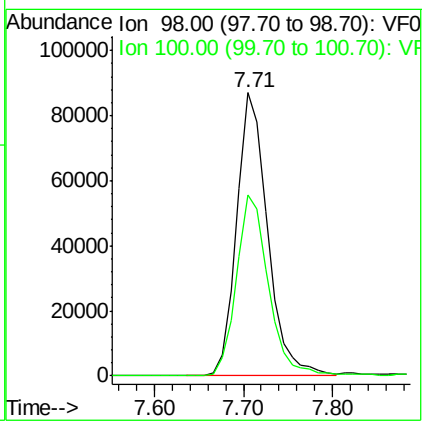


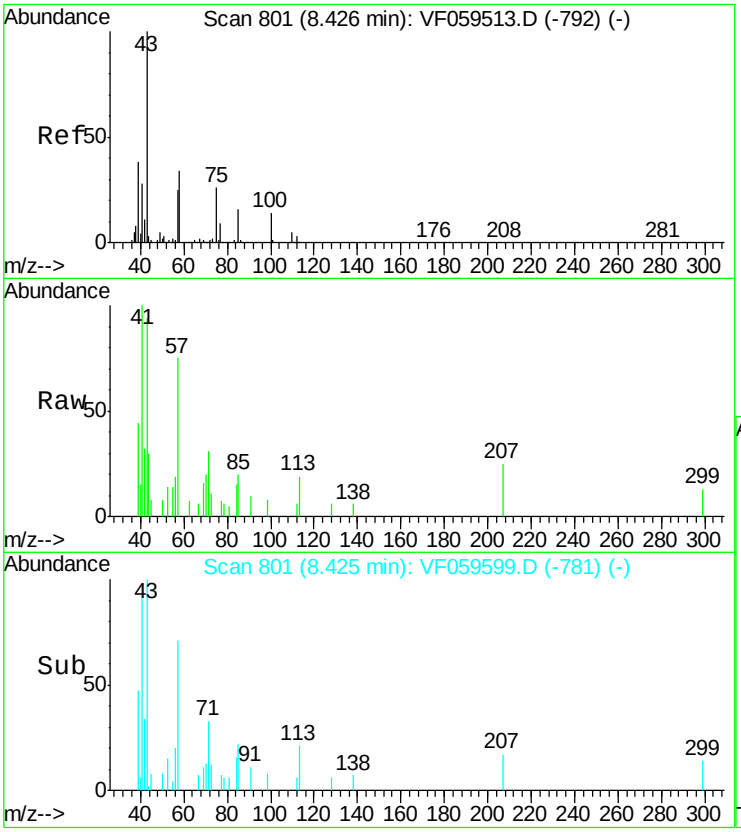


#50
Toluene-d8
Concen: 32.381 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.02 min
Lab File: VF059599.D
Acq: 20 Jul 2018 23:44

Tgt Ion: 98 Resp: 210017

Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.9	76.3



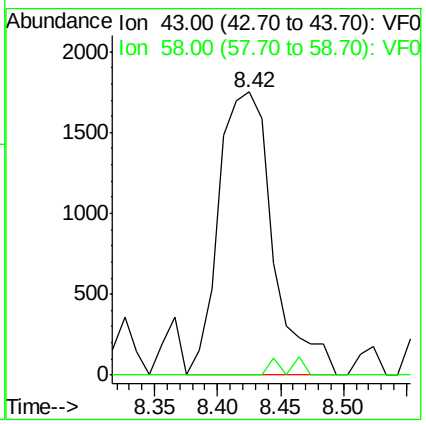


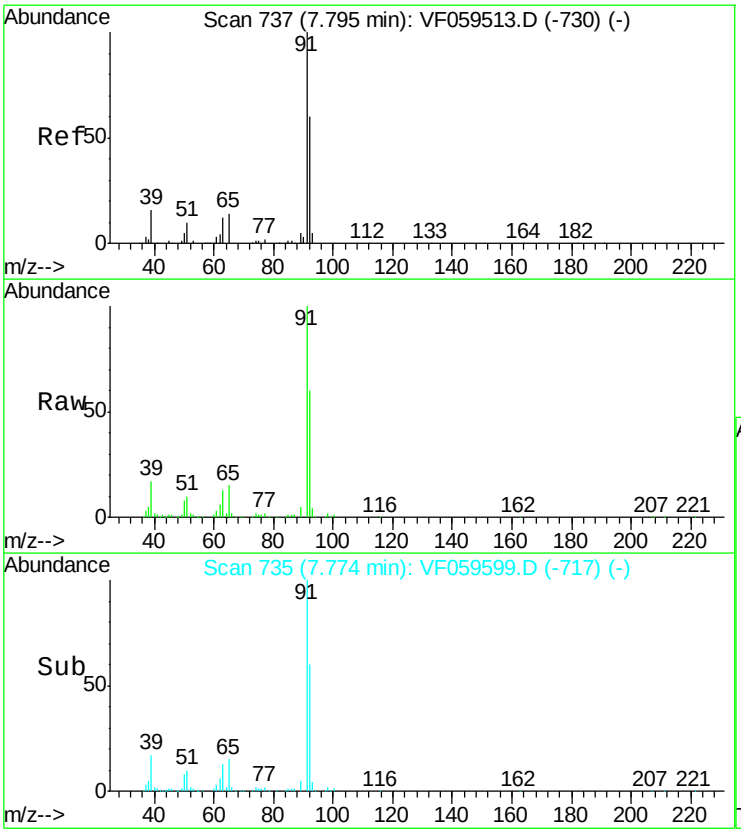
#51
4-Methyl-2-Pentanone
Concen: 3.435 ug/l
RT: 8.42 min Scan# 801
Delta R.T. -0.00 min
Lab File: VF059599.D
Acq: 20 Jul 2018 23:44

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 5207

Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.4	41.2#

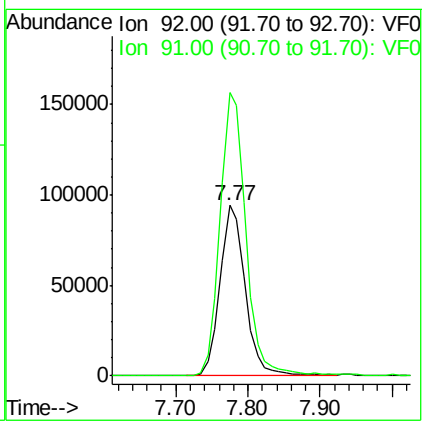


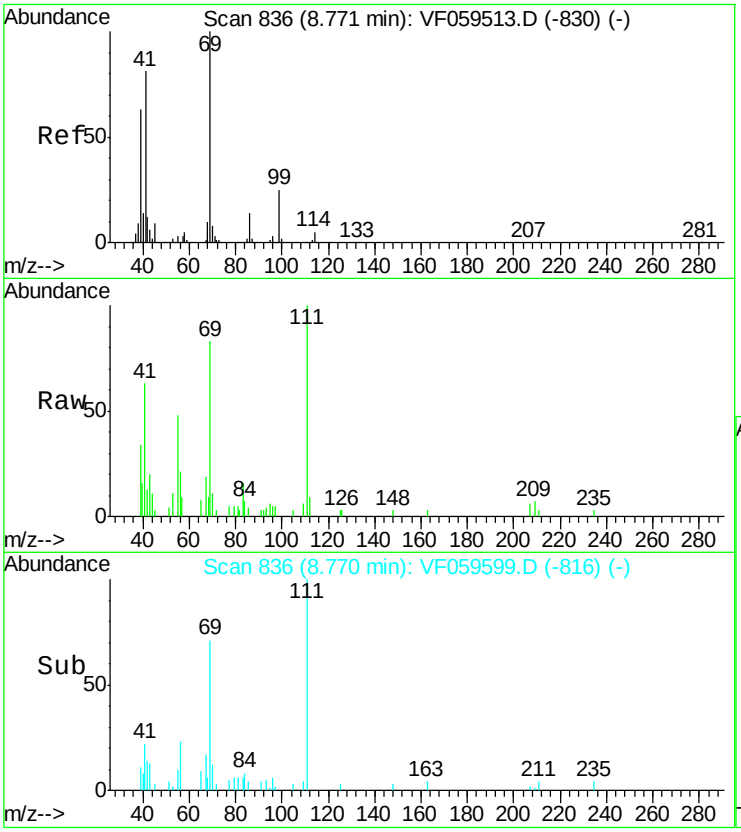


#52
Toluene
Concen: 54.563 ug/l
RT: 7.77 min Scan# 735
Delta R.T. -0.02 min
Lab File: VF059599.D
Acq: 20 Jul 2018 23:44

Tgt Ion: 92 Resp: 228449

Ion	Ratio	Lower	Upper
92	100		
91	166.1	134.2	201.4



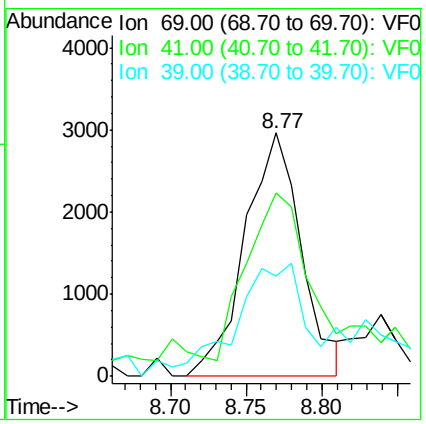


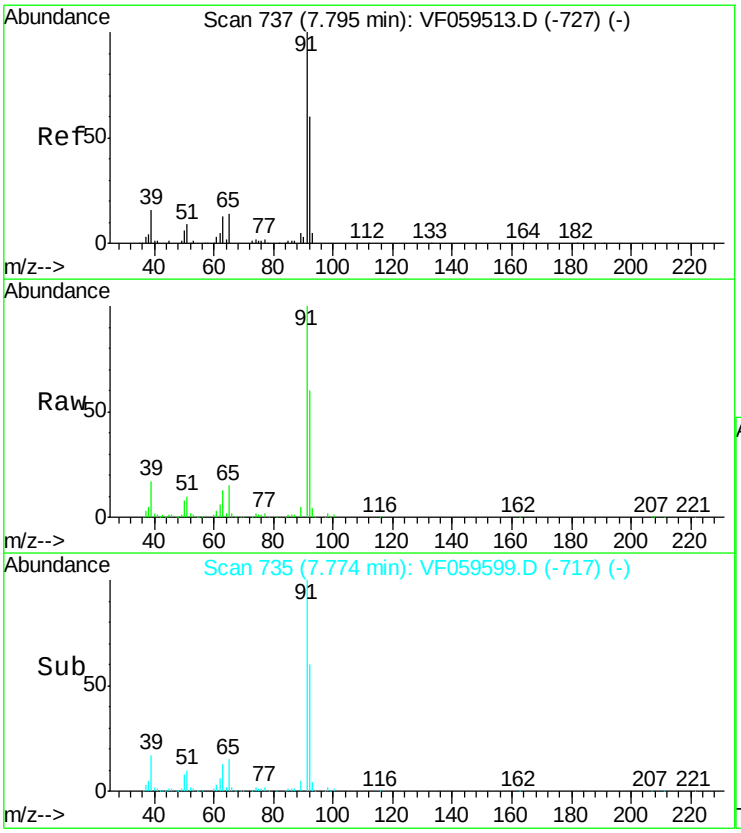
#56
Ethyl methacrylate
Concen: 3.829 ug/l
RT: 8.77 min Scan# 836
Delta R.T. -0.00 min
Lab File: VF059599.D
Acq: 20 Jul 2018 23:44

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 69 Resp: 7704

Ion	Ratio	Lower	Upper
69	100		
41	75.5	65.4	98.2
39	41.0	51.0	76.4#

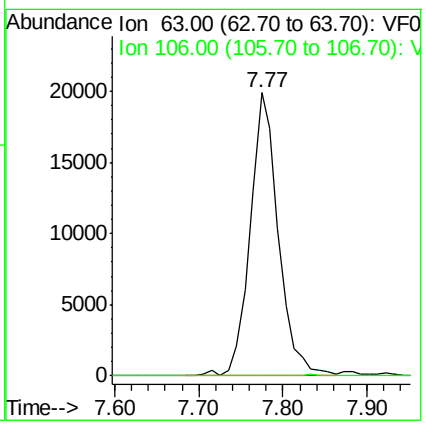


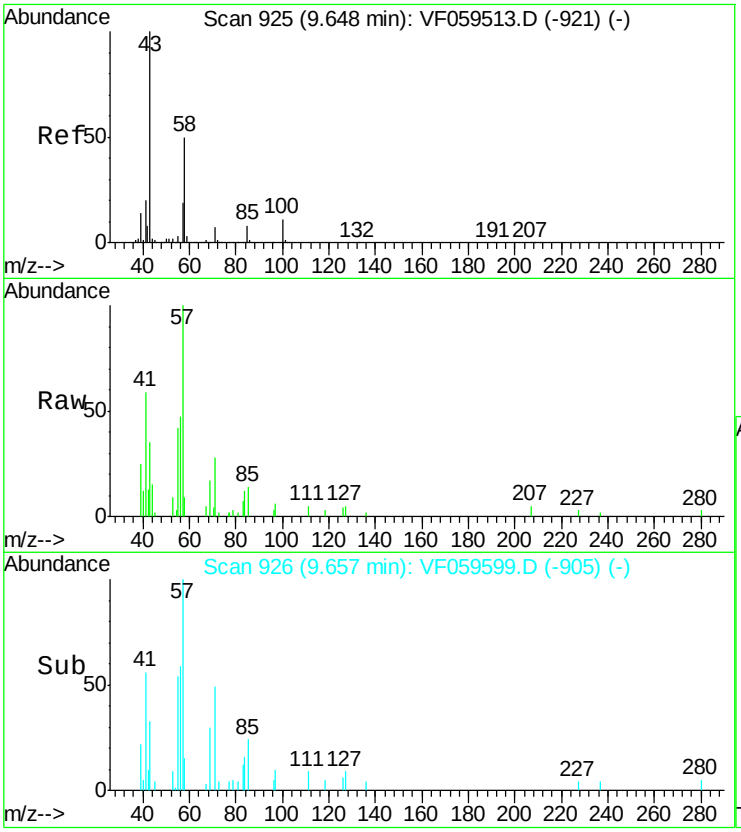


#58
2-Chloroethyl Vinyl ether
Concen: 263.948 ug/l
RT: 7.77 min Scan# 735
Delta R.T. -0.02 min
Lab File: VF059599.D
Acq: 20 Jul 2018 23:44

Tgt Ion: 63 Resp: 46881

Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0



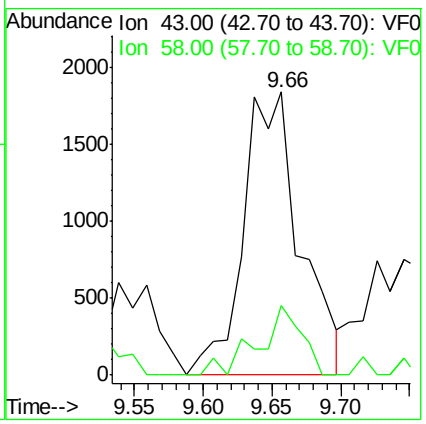


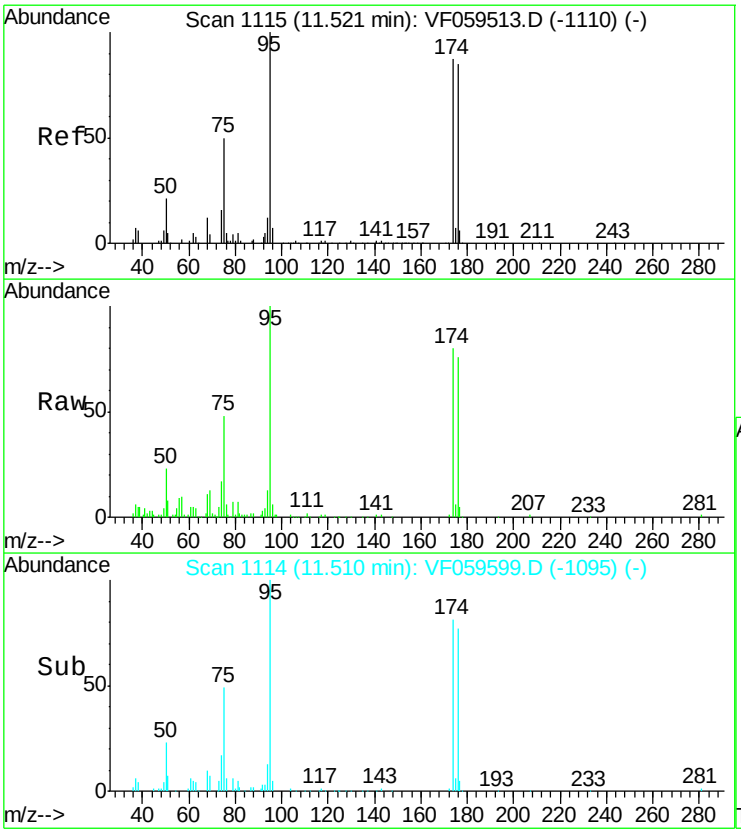
#59
2-Hexanone
Concen: 4.621 ug/l
RT: 9.66 min Scan# 926
Delta R.T. 0.01 min
Lab File: VF059599.D
Acq: 20 Jul 2018 23:44

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 5294

Ion	Ratio	Lower	Upper
43	100		
58	24.5	23.3	69.9

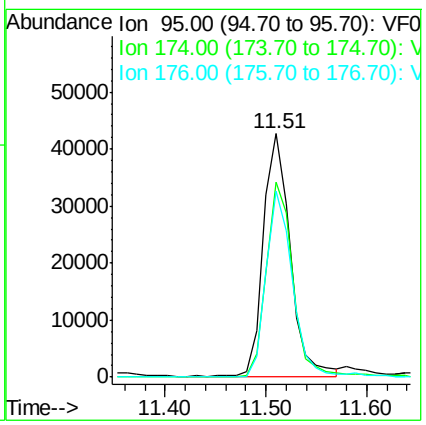


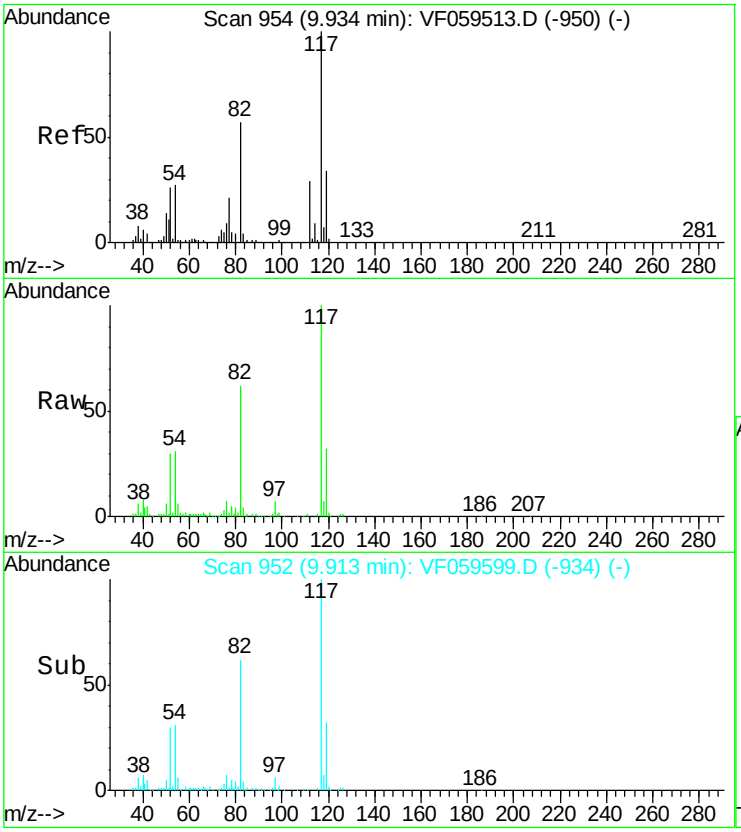


#62
4-Bromofluorobenzene
Concen: 23.455 ug/l
RT: 11.51 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VF059599.D
Acq: 20 Jul 2018 23:44

Tgt Ion: 95 Resp: 79806

Ion	Ratio	Lower	Upper
95	100		
174	80.0	0.0	174.4
176	76.4	0.0	169.4



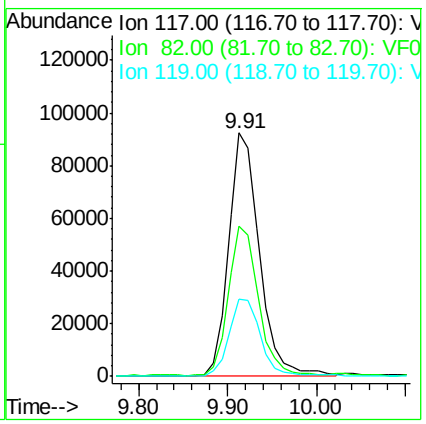


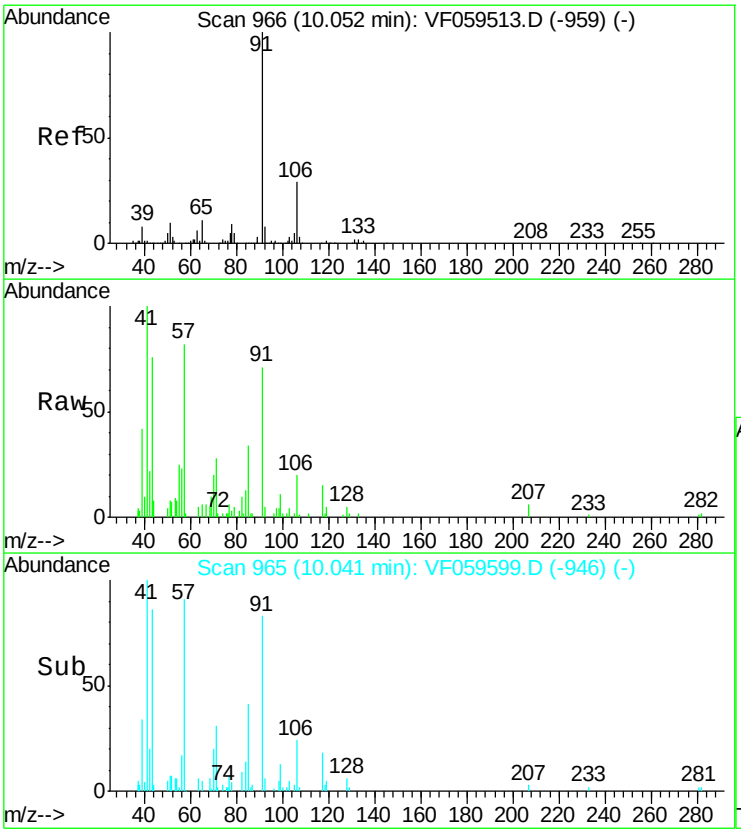
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF059599.D
Acq: 20 Jul 2018 23:44

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:117 Resp: 223645

Ion	Ratio	Lower	Upper
117	100		
82	61.8	46.1	69.1
119	31.7	27.2	40.8

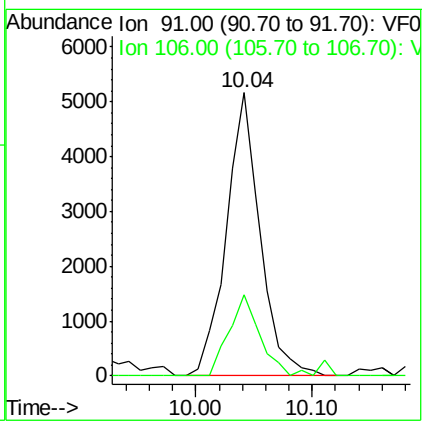


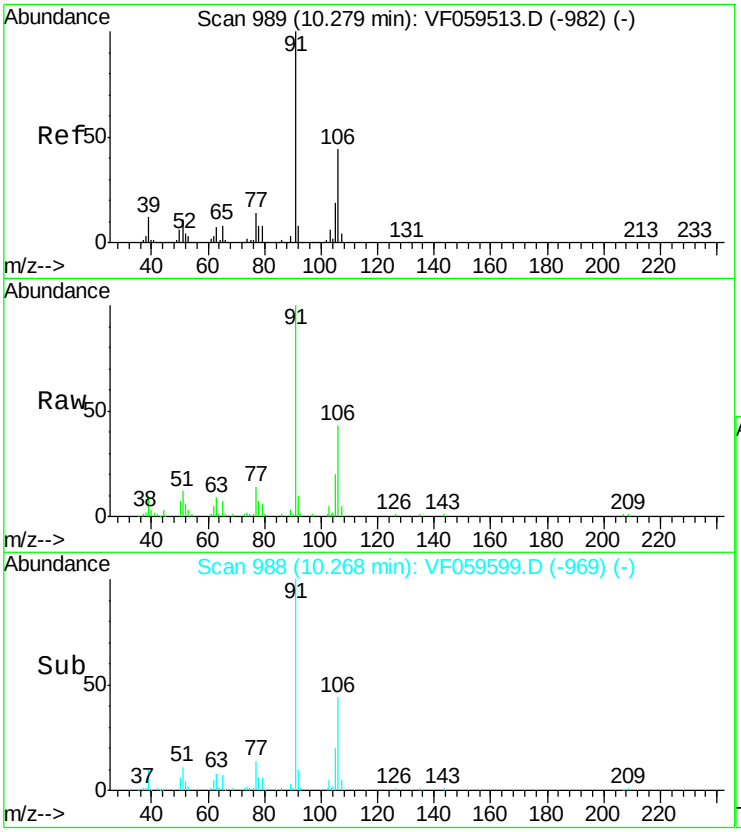


#67
Ethyl Benzene
Concen: 1.391 ug/l
RT: 10.04 min Scan# 965
Delta R.T. -0.01 min
Lab File: VF059599.D
Acq: 20 Jul 2018 23:44

Tgt Ion: 91 Resp: 10383

Ion	Ratio	Lower	Upper
91	100		
106	28.6	23.4	35.2



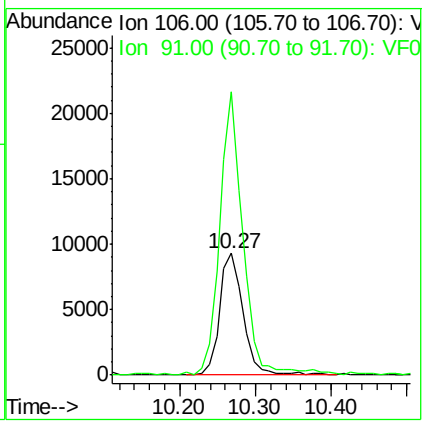


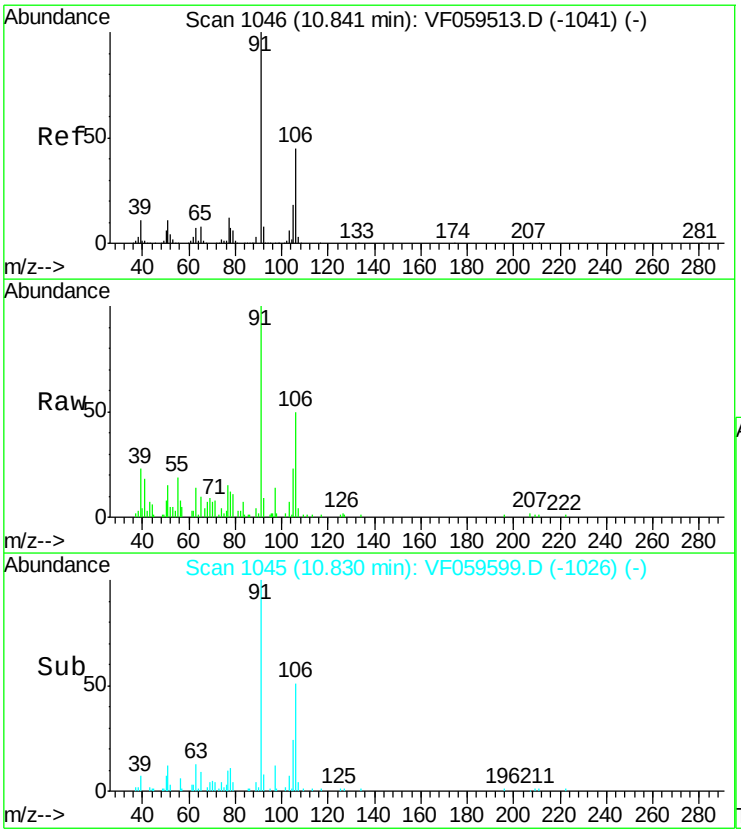
#68
m/p-Xylenes
Concen: 7.667 ug/l
RT: 10.27 min Scan# 988
Delta R.T. -0.01 min
Lab File: VF059599.D
Acq: 20 Jul 2018 23:44

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:106 Resp: 20202

Ion	Ratio	Lower	Upper
106	100		
91	232.3	181.0	271.4

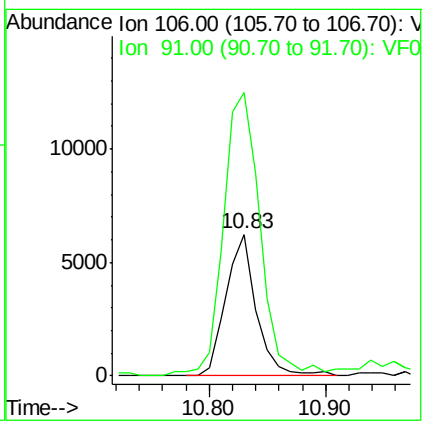


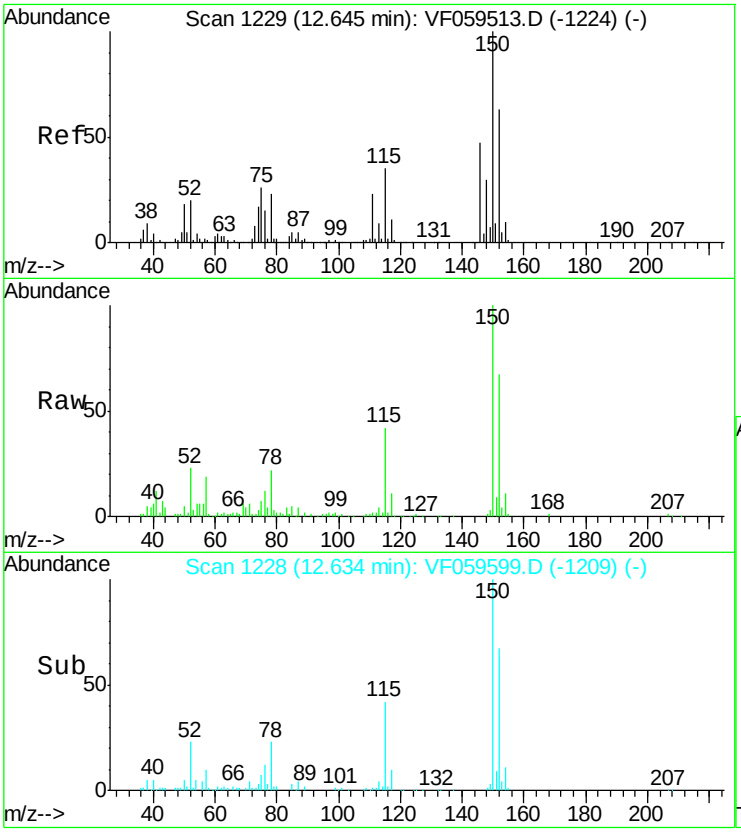


#69
o-Xylene
Concen: 4.028 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. -0.01 min
Lab File: VF059599.D
Acq: 20 Jul 2018 23:44

Tgt Ion:106 Resp: 11303

Ion	Ratio	Lower	Upper
106	100		
91	199.6	112.3	336.9



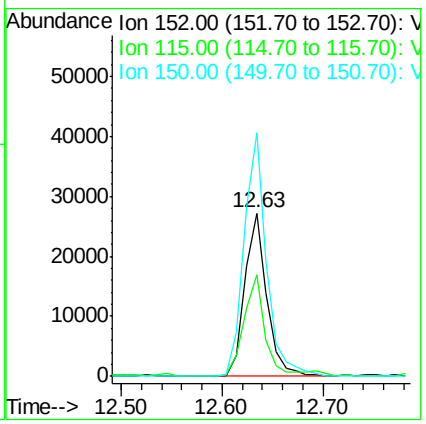


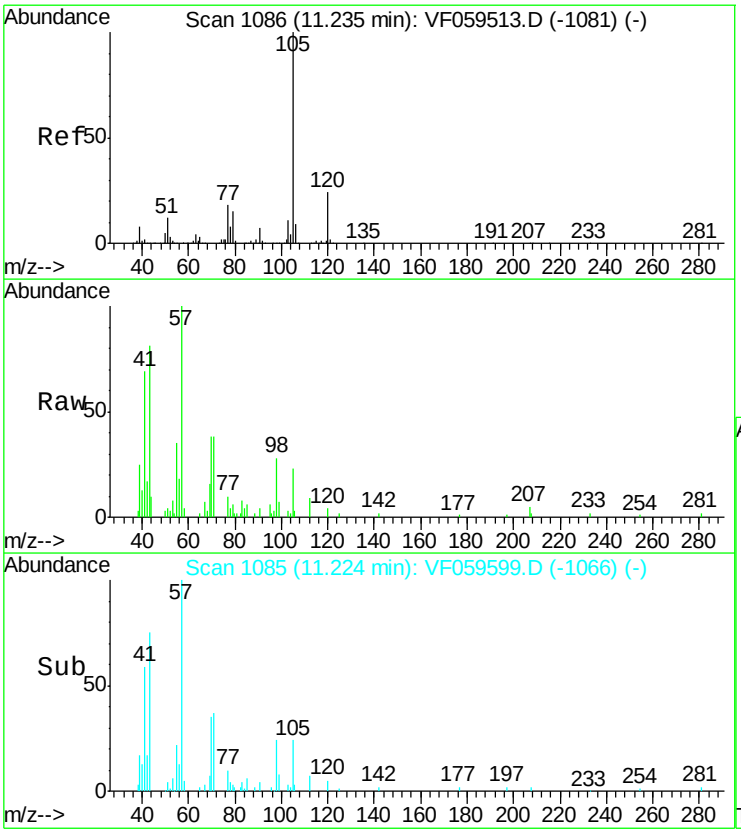
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1228
Delta R.T. -0.01 min
Lab File: VF059599.D
Acq: 20 Jul 2018 23:44

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:152 Resp: 41735

Ion	Ratio	Lower	Upper
152	100		
115	62.6	27.8	83.3
150	149.3	0.0	318.4

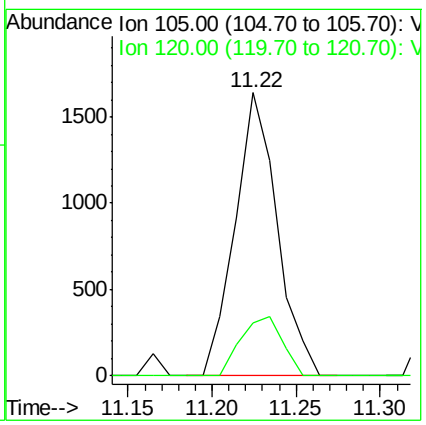


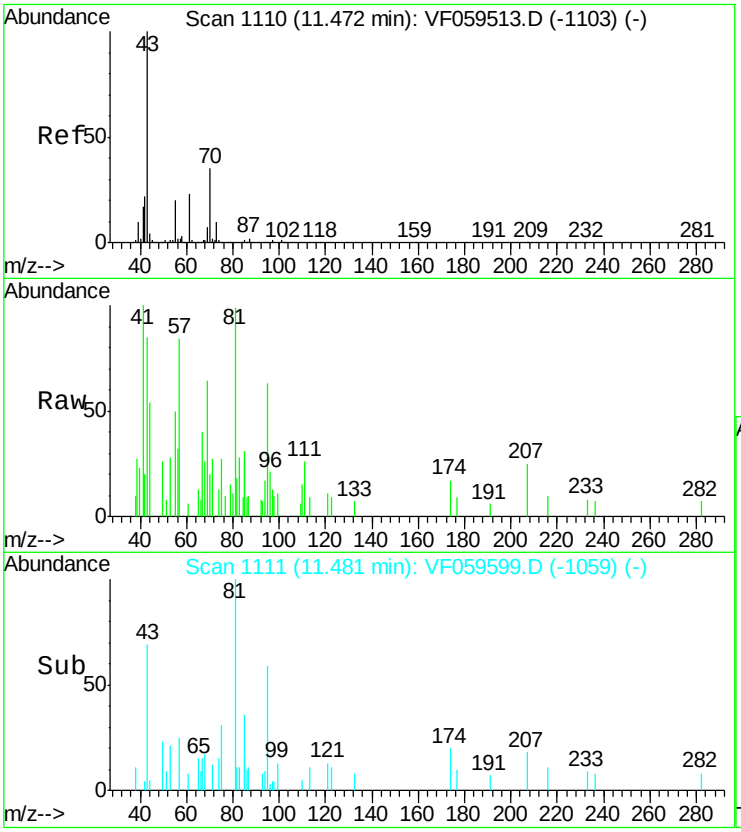


#73
Isopropylbenzene
Concen: 1.079 ug/l
RT: 11.22 min Scan# 1085
Delta R.T. -0.01 min
Lab File: VF059599.D
Acq: 20 Jul 2018 23:44

Tgt Ion:105 Resp: 2842

Ion	Ratio	Lower	Upper
105	100		
120	18.9	12.0	36.0



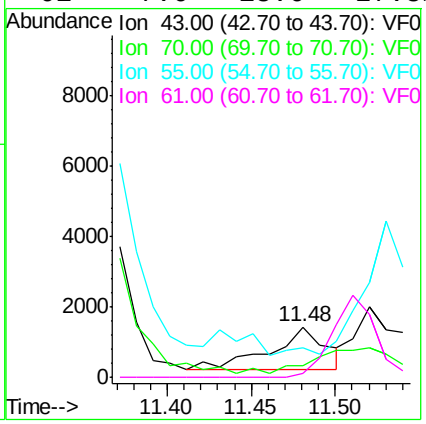


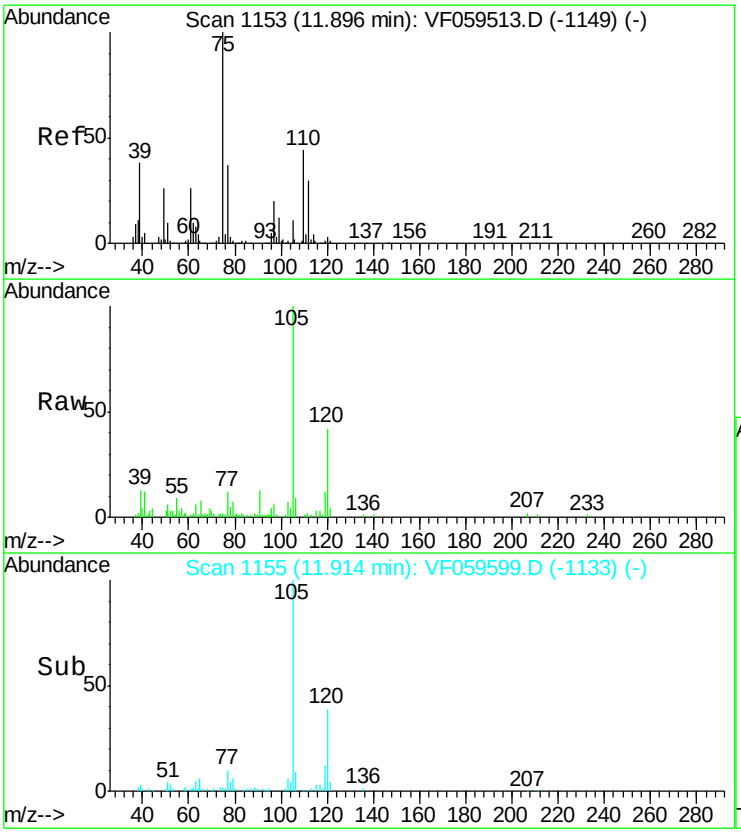
#74
N-amyl acetate
Concen: 3.375 ug/l
RT: 11.48 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VF059599.D
Acq: 20 Jul 2018 23:44

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 2847

Ion	Ratio	Lower	Upper
43	100		
70	22.9	27.9	41.9#
55	58.9	16.2	24.2#
61	7.6	18.6	27.8#

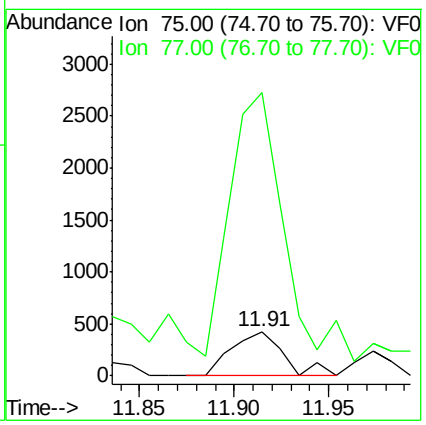


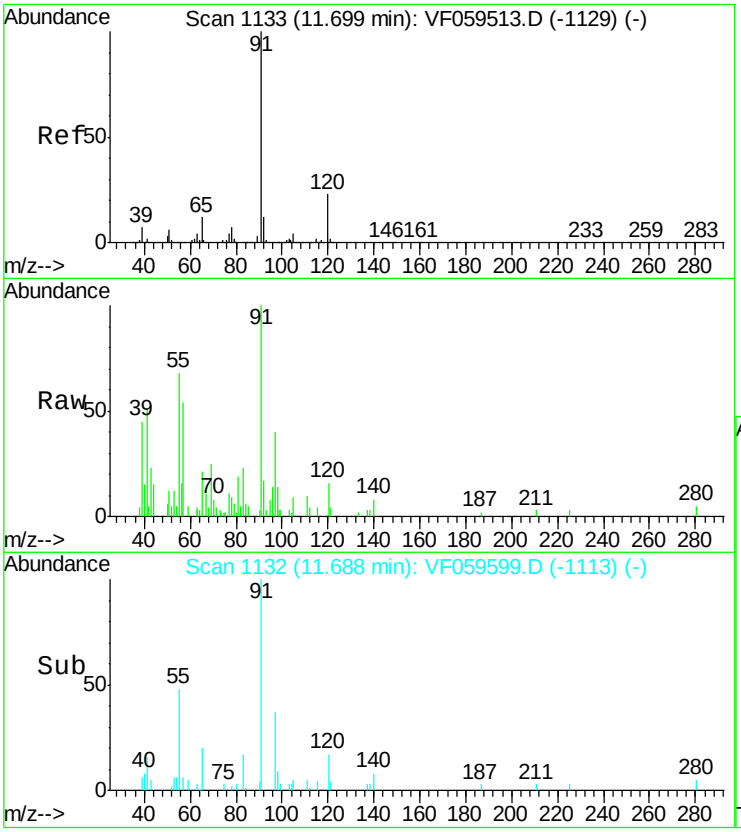


#76
1,2,3-Trichloropropane
Concen: 1.718 ug/l
RT: 11.91 min Scan# 1155
Delta R.T. 0.02 min
Lab File: VF059599.D
Acq: 20 Jul 2018 23:44

Tgt Ion: 75 Resp: 806

Ion	Ratio	Lower	Upper
75	100		
77	637.7	18.7	56.1#



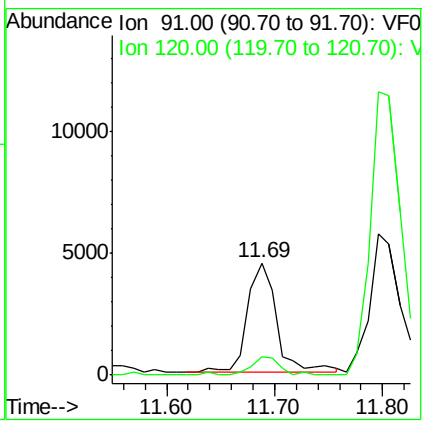


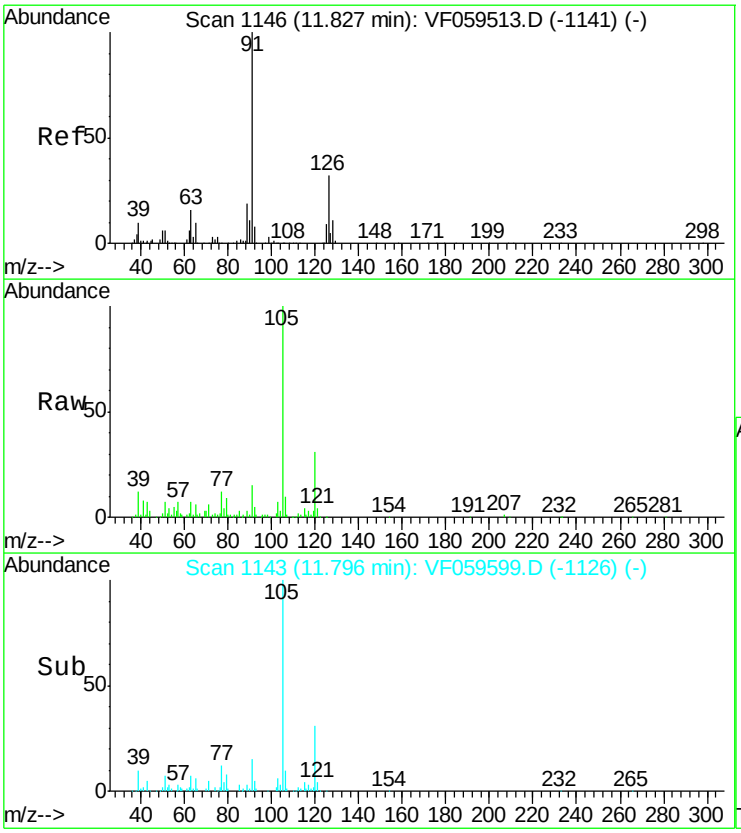
#78
n-propylbenzene
Concen: 2.796 ug/l
RT: 11.69 min Scan# 1132
Delta R.T. -0.01 min
Lab File: VF059599.D
Acq: 20 Jul 2018 23:44

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 91 Resp: 8446

Ion	Ratio	Lower	Upper
91	100		
120	16.0	11.3	33.9

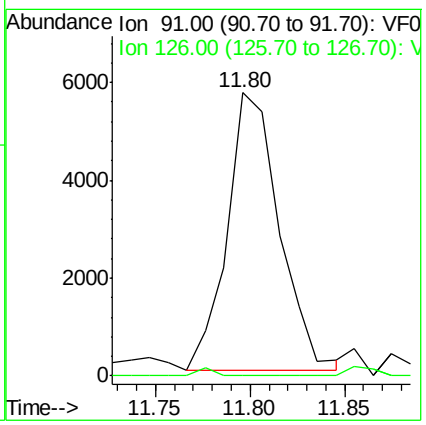


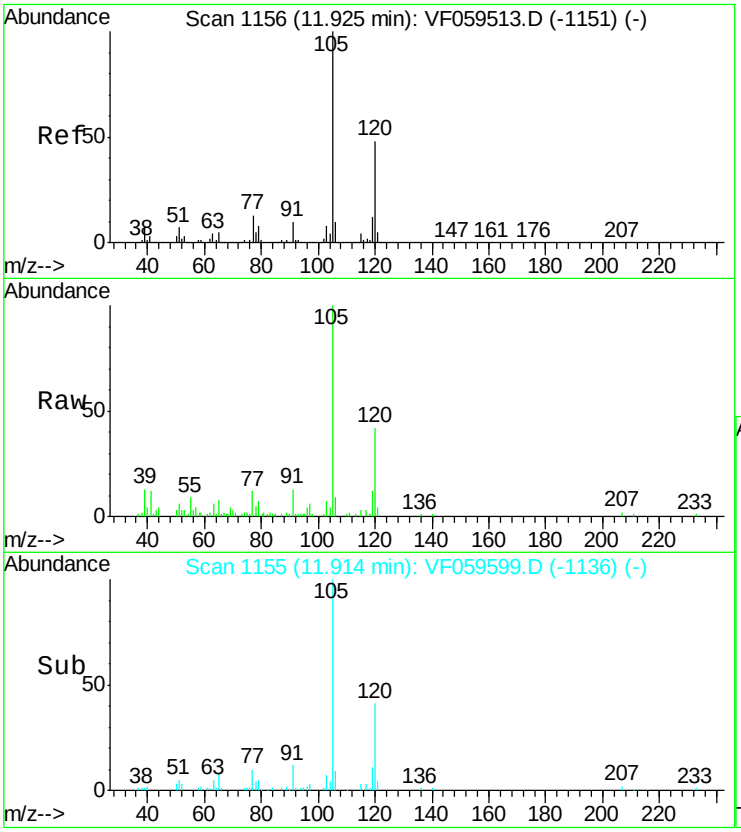


#79
2-Chlorotoluene
Concen: 5.802 ug/l
RT: 11.80 min Scan# 1143
Delta R.T. -0.03 min
Lab File: VF059599.D
Acq: 20 Jul 2018 23:44

Tgt Ion: 91 Resp: 10796

Ion	Ratio	Lower	Upper
91	100		
126	0.0	15.7	47.1#



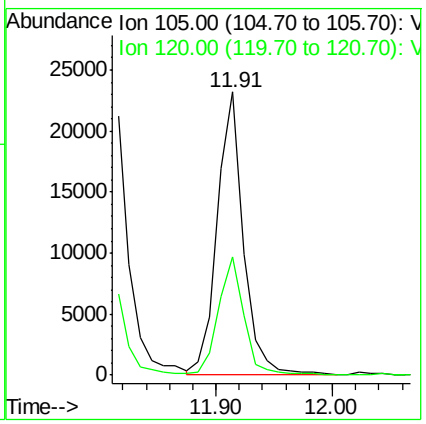


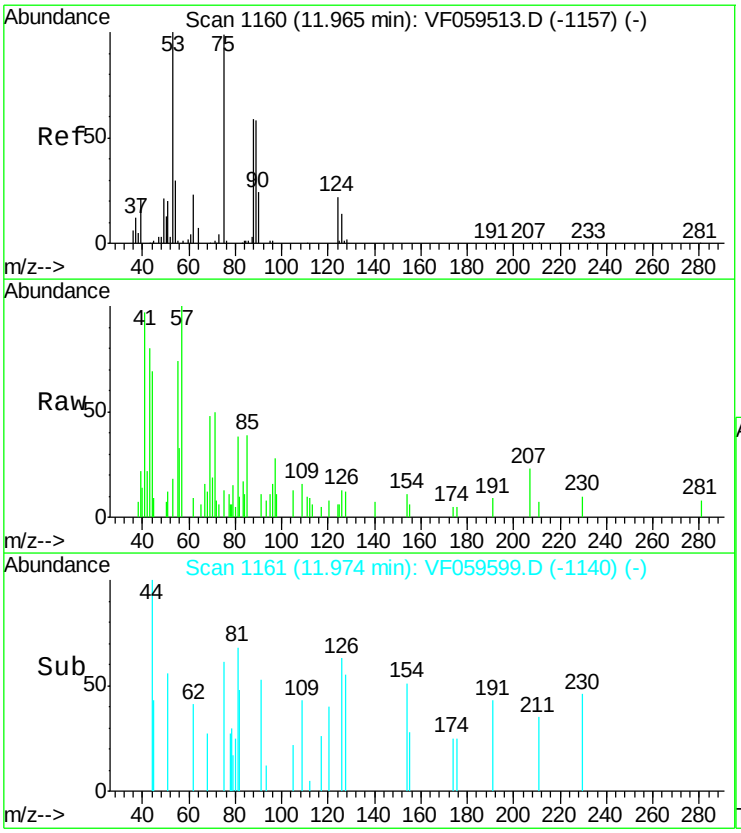
#80
1,3,5-Trimethylbenzene
Concen: 16.437 ug/l
RT: 11.91 min Scan# 1155
Delta R.T. -0.01 min
Lab File: VF059599.D
Acq: 20 Jul 2018 23:44

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:105 Resp: 36272

Ion	Ratio	Lower	Upper
105	100		
120	41.6	24.1	72.4

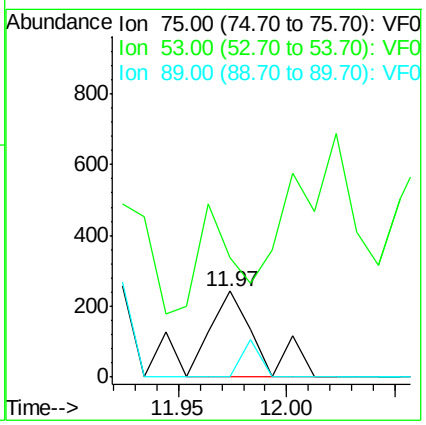


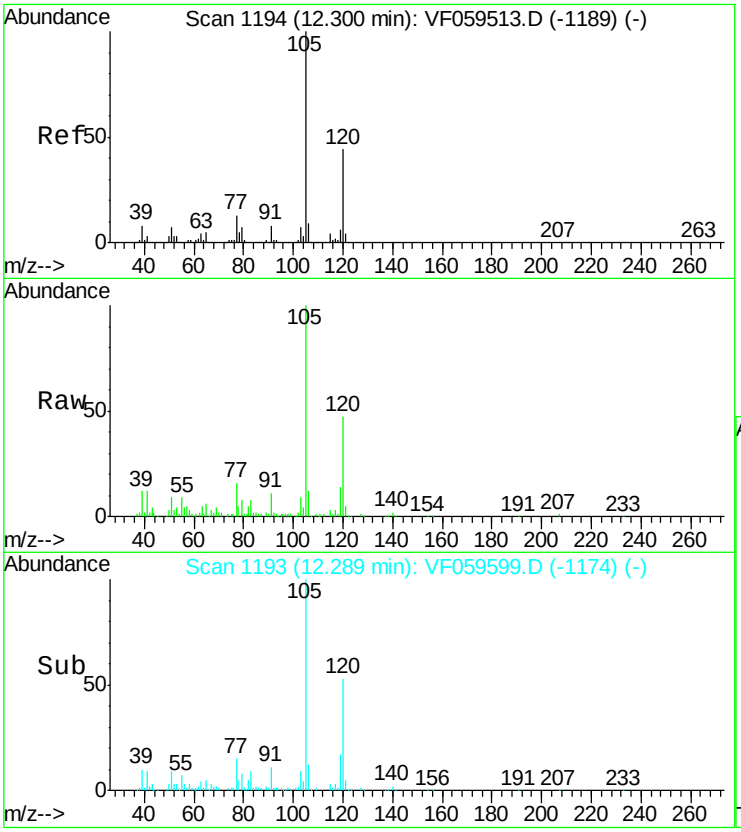


#81
trans-1,4-Dichloro-2-butene
Concen: 1.717 ug/l
RT: 11.97 min Scan# 1161
Delta R.T. 0.01 min
Lab File: VF059599.D
Acq: 20 Jul 2018 23:44

Tgt Ion: 75 Resp: 368

Ion	Ratio	Lower	Upper
75	100		
53	140.1	84.6	127.0#
89	0.0	48.2	72.4#



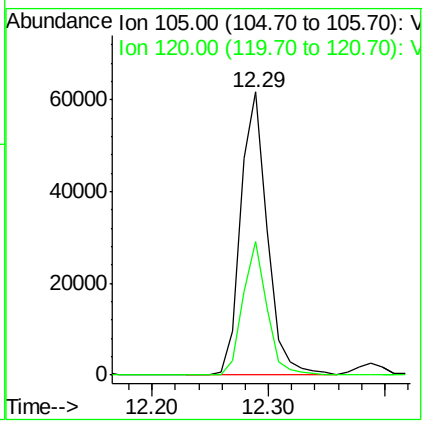


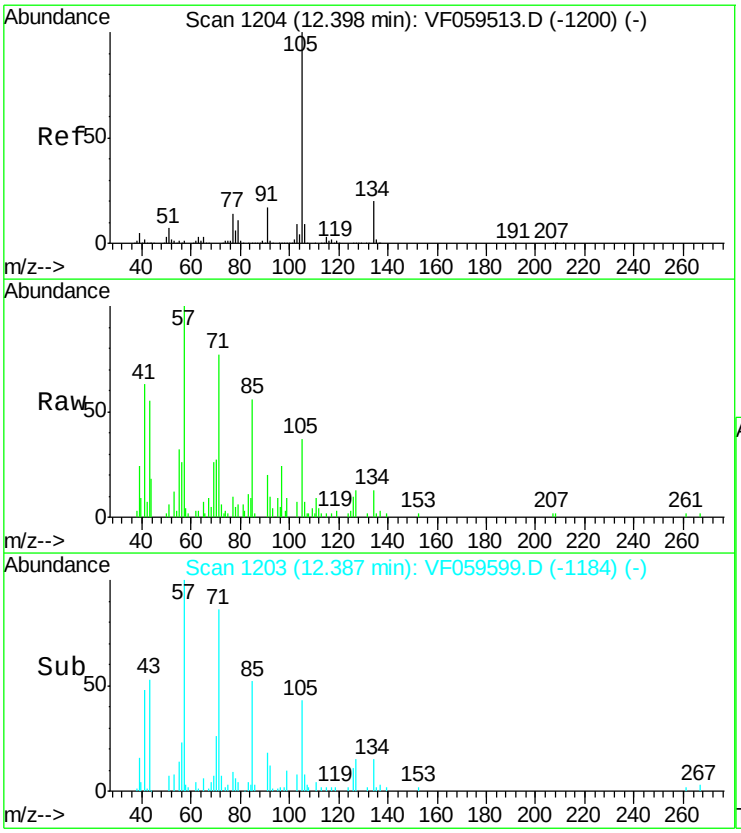
#84
1,2,4-Trimethylbenzene
Concen: 42.818 ug/l
RT: 12.29 min Scan# 1193
Delta R.T. -0.01 min
Lab File: VF059599.D
Acq: 20 Jul 2018 23:44

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:105 Resp: 97212

Ion	Ratio	Lower	Upper
105	100		
120	47.2	22.5	67.5

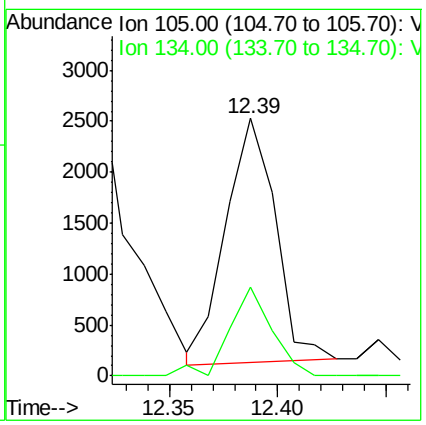


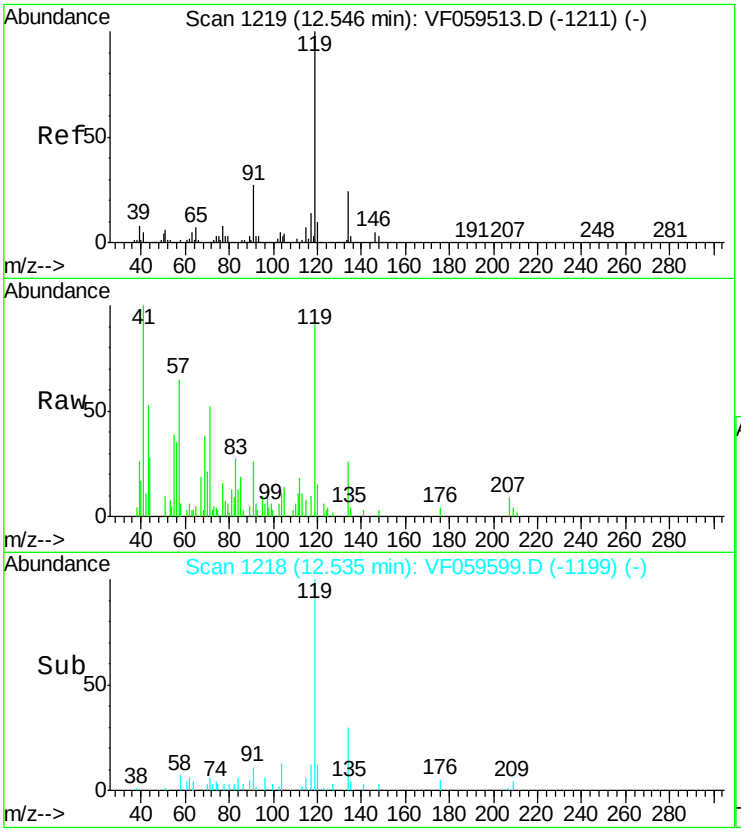


#85
sec-Butylbenzene
Concen: 1.417 ug/l
RT: 12.39 min Scan# 1203
Delta R.T. -0.01 min
Lab File: VF059599.D
Acq: 20 Jul 2018 23:44

Tgt Ion:105 Resp: 3818

Ion	Ratio	Lower	Upper
105	100		
134	34.4	10.1	30.1#



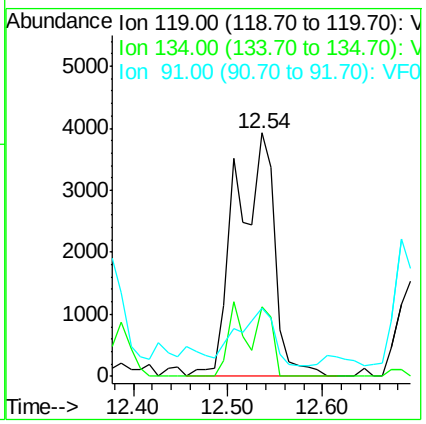


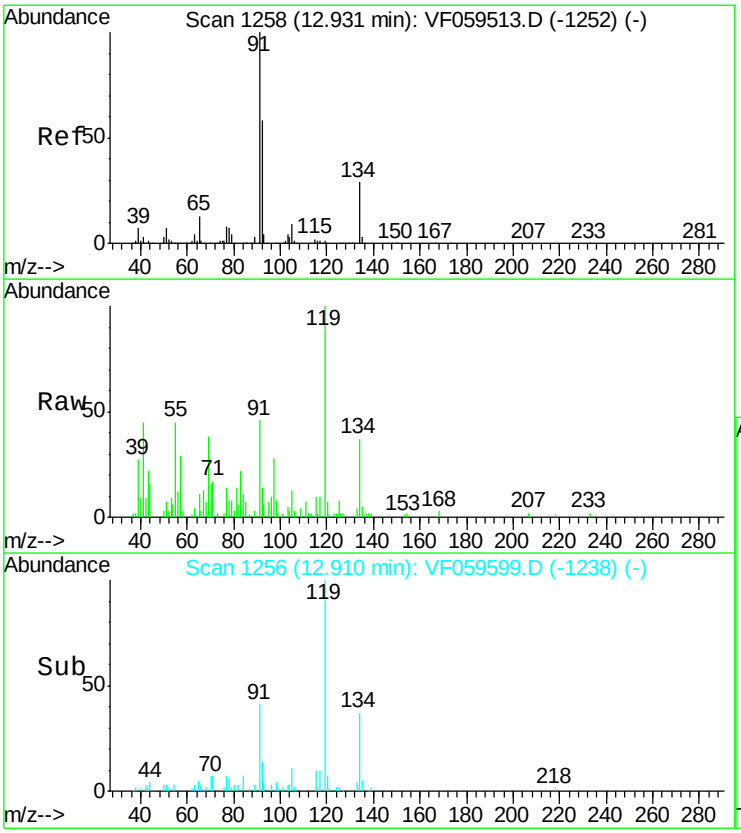
#86
p-Isopropyltoluene
Concen: 4.704 ug/l
RT: 12.54 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VF059599.D
Acq: 20 Jul 2018 23:44

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:119 Resp: 11024

Ion	Ratio	Lower	Upper
119	100		
134	28.5	12.0	36.0
91	28.0	13.5	40.4

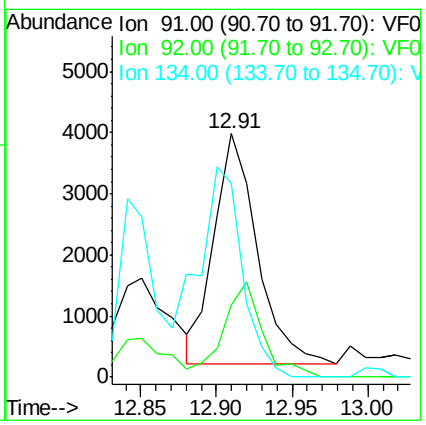


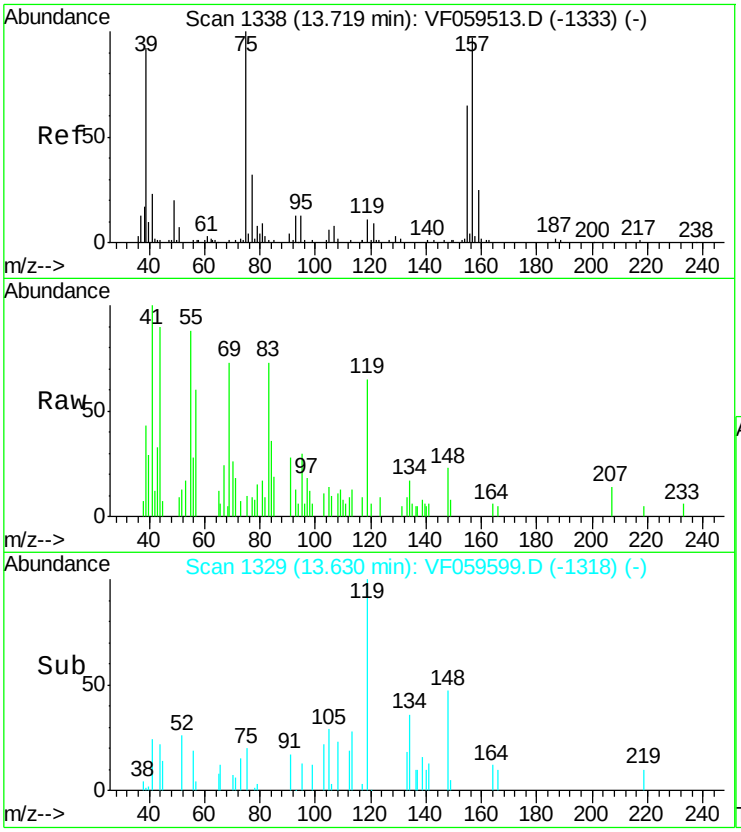


#89
n-Butylbenzene
Concen: 3.405 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.02 min
Lab File: VF059599.D
Acq: 20 Jul 2018 23:44

Tgt Ion: 91 Resp: 7468

Ion	Ratio	Lower	Upper
91	100		
92	29.7	29.1	87.3
134	79.5	14.3	42.9#



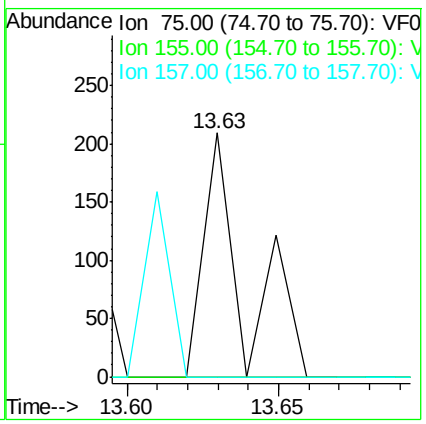


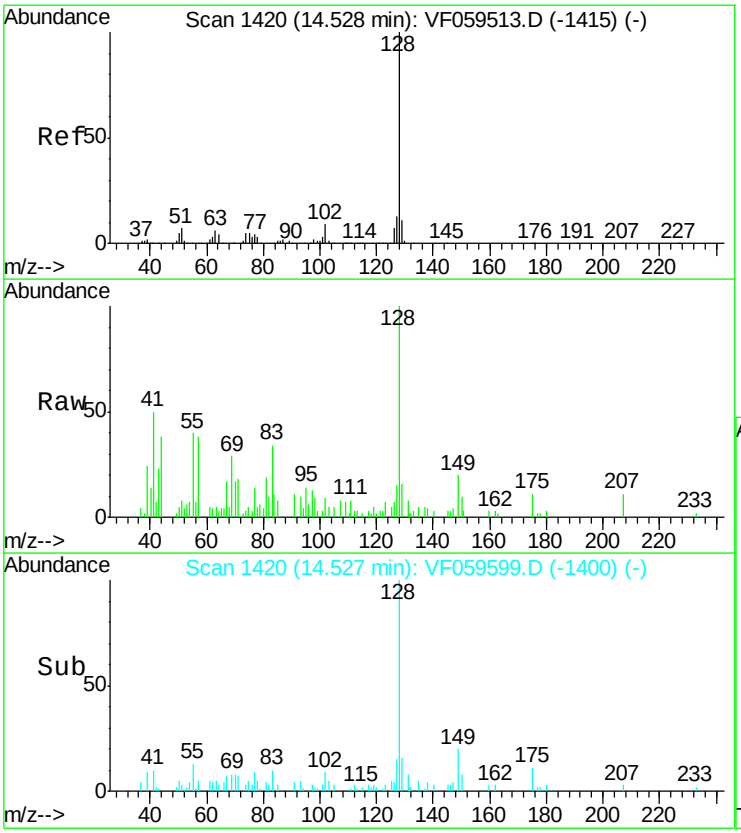
#92
1,2-Dibromo-3-Chloropropane
Concen: 1.506 ug/l
RT: 13.63 min Scan# 1329
Delta R.T. -0.09 min
Lab File: VF059599.D
Acq: 20 Jul 2018 23:44

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 75 Resp: 196

Ion	Ratio	Lower	Upper
75	100		
155	0.0	32.8	98.3#
157	0.0	48.5	145.5#





#95
Naphthalene
Concen: 5.615 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. -0.00 min
Lab File: VF059599.D
Acq: 20 Jul 2018 23:44

Tgt Ion:128 Resp: 8584

Ion	Ratio	Lower	Upper
128	100		
127	14.9	10.2	15.2
129	15.8	9.0	13.4#