Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF082818\
Data File : VF060145.D
Acq On : 28 Aug 2018 12:56
Operator : VA/AP
Sample : VF0828SBL01
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : VF0828SBL01

Quant Time: Aug 28 14:54:20 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 22 04:43:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	161302	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.75	114	226107	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	259005	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	167304	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	107509	48.70	ug/l	-0.02
Spiked Amount 50.000			Recovery = 97.40%			
35) Dibromofluoromethane	4.29	113	108841	61.30	ug/l	-0.01
Spiked Amount 50.000			Recovery = 122.60%			
50) Toluene-d8	7.71	98	271366	53.82	ug/l	-0.01
Spiked Amount 50.000			Recovery = 107.64%			
62) 4-Bromofluorobenzene	11.51	95	145665	54.61	ug/l	0.00
Spiked Amount 50.000			Recovery = 109.22%			
Target Compounds						Qvalue
3) Chloromethane	1.07	50	1518	Below Cal	#	64
5) Bromomethane	1.32	94	2503	2.498	ug/l #	61
10) Methyl Iodide	1.93	142	1847	1.004	ug/l #	85
11) Tert butyl alcohol	2.67	59	499	4.249	ug/l #	80
13) Acrolein	2.06	56	170	28.443	ug/l	100
16) Acetone	2.33	43	1684	2.902	ug/l #	63
18) Methyl Acetate	2.47	43	3101	Below Cal	#	60
20) Methylene Chloride	2.27	84	7874	1.966	ug/l #	80
25) 2-Butanone	4.50	43	951	1.262	ug/l #	58
29) Tetrahydrofuran	4.26	42	923	3.244	ug/l #	55
39) Methylcyclohexane	5.75	83	2897	1.454	ug/l #	39
49) 1,4-Dioxane	7.09	88	93	9.154	ug/l #	49
51) 4-Methyl-2-Pentanone	8.40	43	5533	4.006	ug/l	99
52) Toluene	7.77	92	996	Below Cal	#	45
58) 2-Chloroethyl Vinyl ether	7.78	63	256	2.127	ug/l	100
59) 2-Hexanone	9.63	43	11201	10.020	ug/l	98
68) m/p-Xylenes	10.27	106	1061	Below Cal		74
74) N-amyl acetate	11.46	43	3409	1.089	ug/l #	89
95) Naphthalene	14.53	128	3972	2.895	ug/l #	94

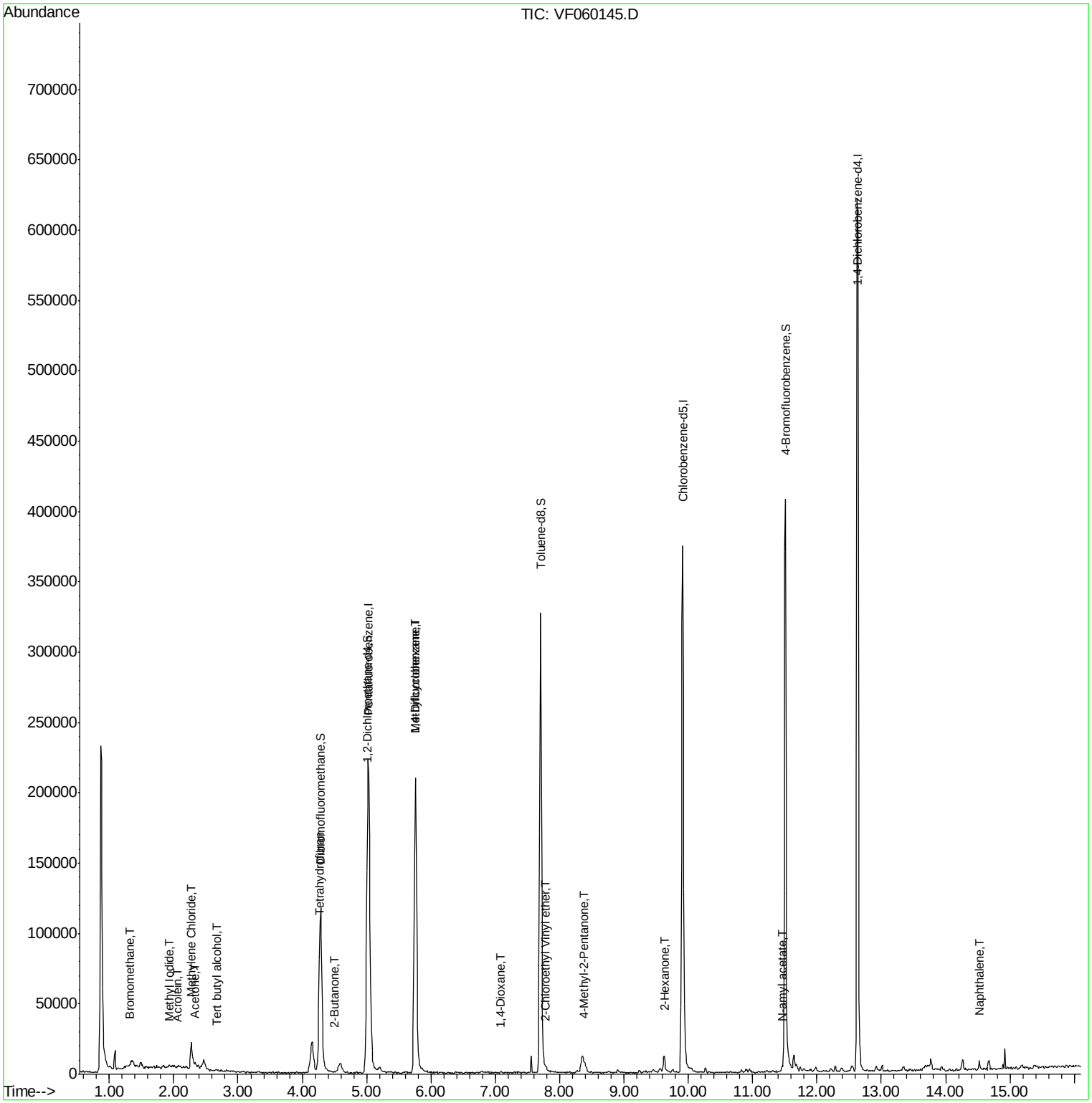
(#) = qualifier out of range (m) = manual integration (+) = signals summed

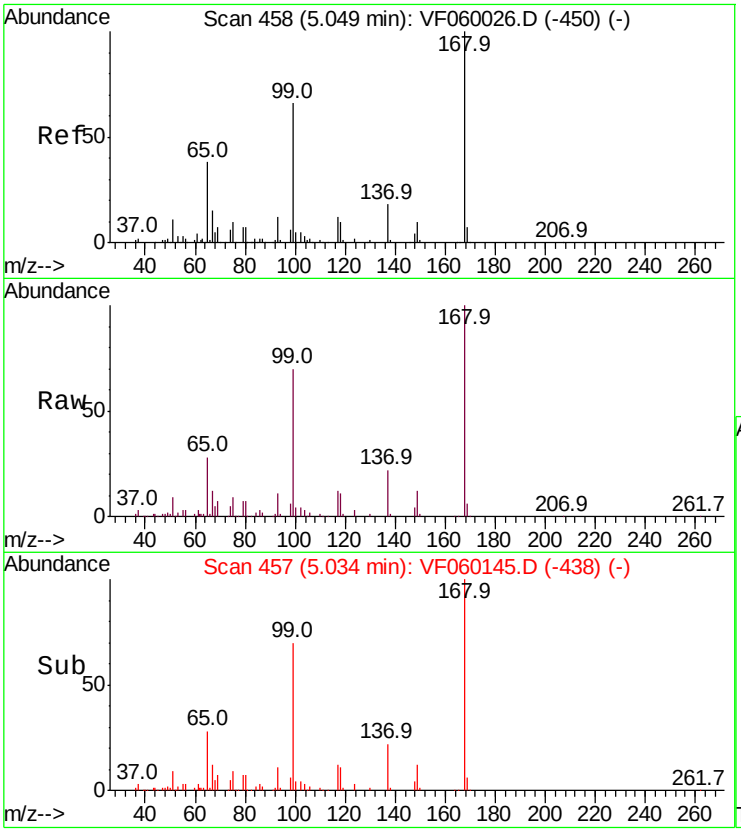
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082818\
Data File : VF060145.D
Acq On : 28 Aug 2018 12:56
Operator : VA/AP
Sample : VF0828SBL01
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : VF0828SBL01

Quant Time: Aug 28 14:54:20 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 22 04:43:43 2018
Response via : Initial Calibration



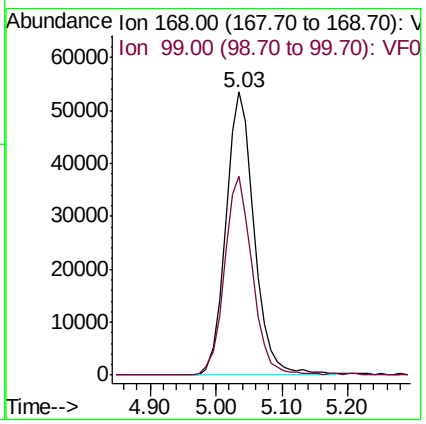


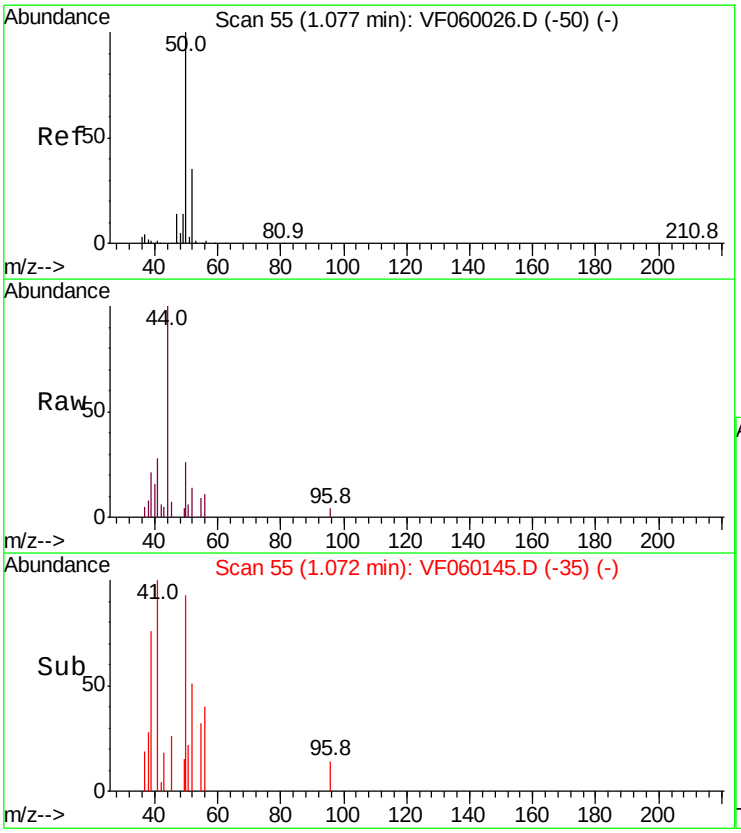
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.03 min Scan# 457
Delta R.T. -0.01 min
Lab File: VF060145.D
Acq: 28 Aug 2018 12:56

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBL01

Tgt Ion:168 Resp: 161302

Ion	Ratio	Lower	Upper
168	100		
99	70.3	52.6	79.0

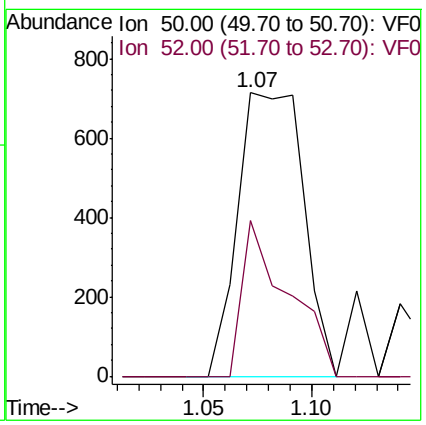


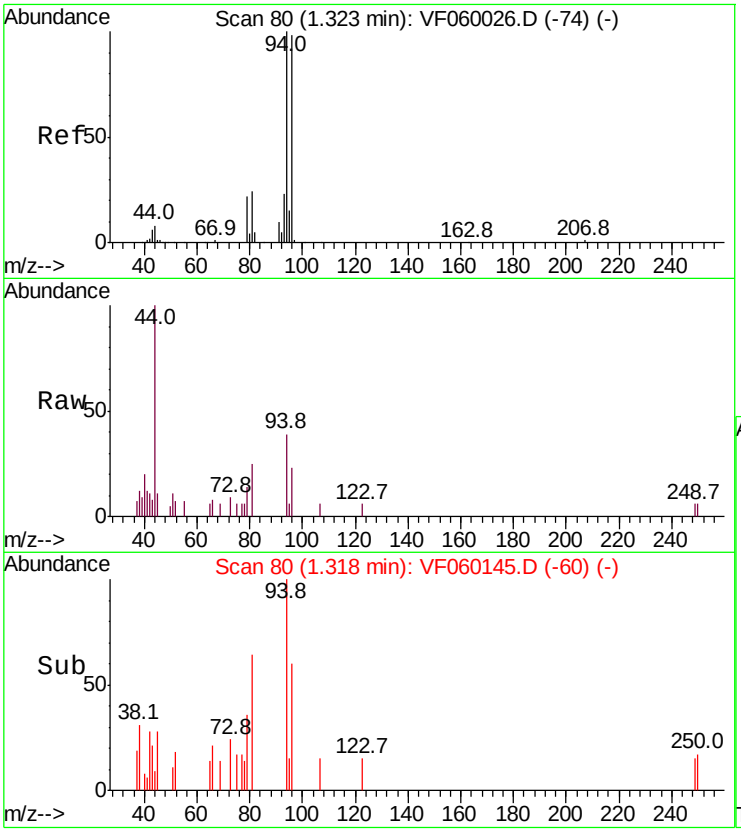


#3
Chloromethane
Concen: Below Cal
RT: 1.07 min Scan# 55
Delta R.T. -0.00 min
Lab File: VF060145.D
Acq: 28 Aug 2018 12:56

Tgt Ion: 50 Resp: 1518

Ion	Ratio	Lower	Upper
50	100		
52	55.0	27.6	41.4#



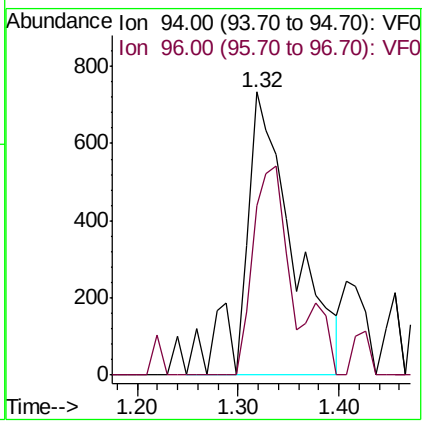


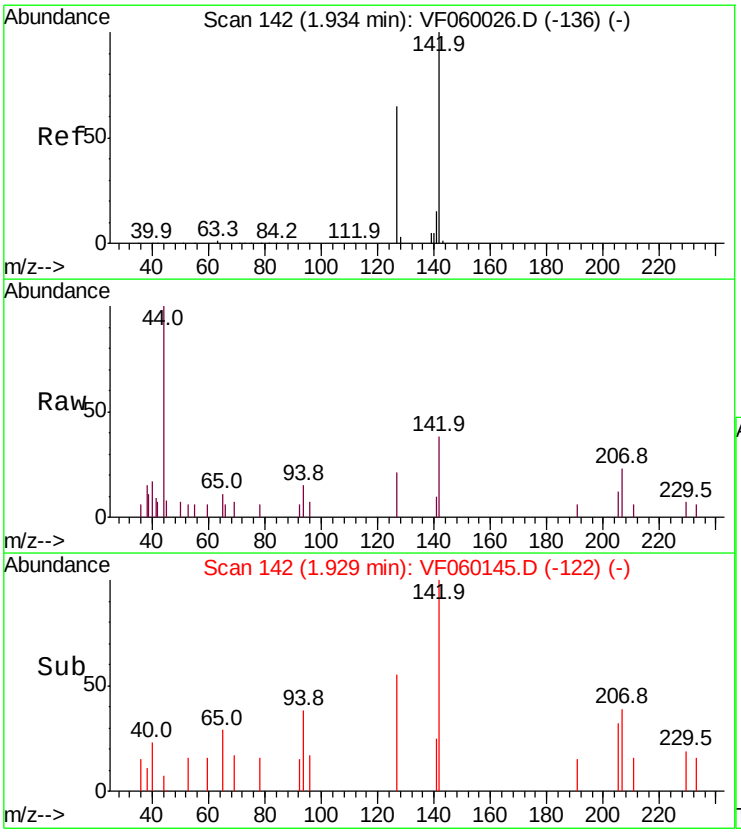
#5
Bromomethane
Concen: 2.498 ug/l
RT: 1.32 min Scan# 80
Delta R.T. -0.01 min
Lab File: VF060145.D
Acq: 28 Aug 2018 12:56

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBL01

Tgt Ion: 94 Resp: 2503

Ion	Ratio	Lower	Upper
94	100		
96	59.8	78.6	118.0#

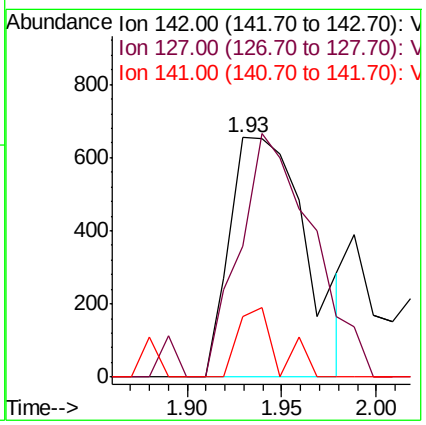


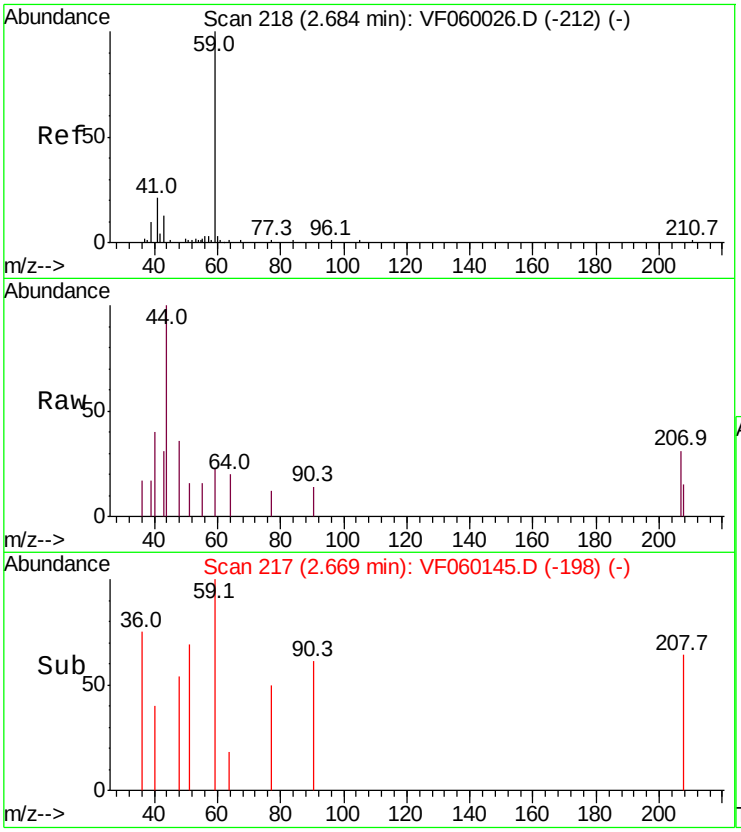


#10
Methyl Iodide
Concen: 1.004 ug/l
RT: 1.93 min Scan# 142
Delta R.T. -0.01 min
Lab File: VF060145.D
Acq: 28 Aug 2018 12:56

Tgt Ion:142 Resp: 1847

Ion	Ratio	Lower	Upper
142	100		
127	54.7	51.8	77.6
141	25.5	11.9	17.9#



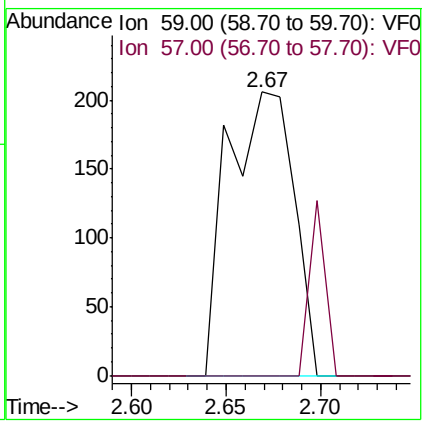


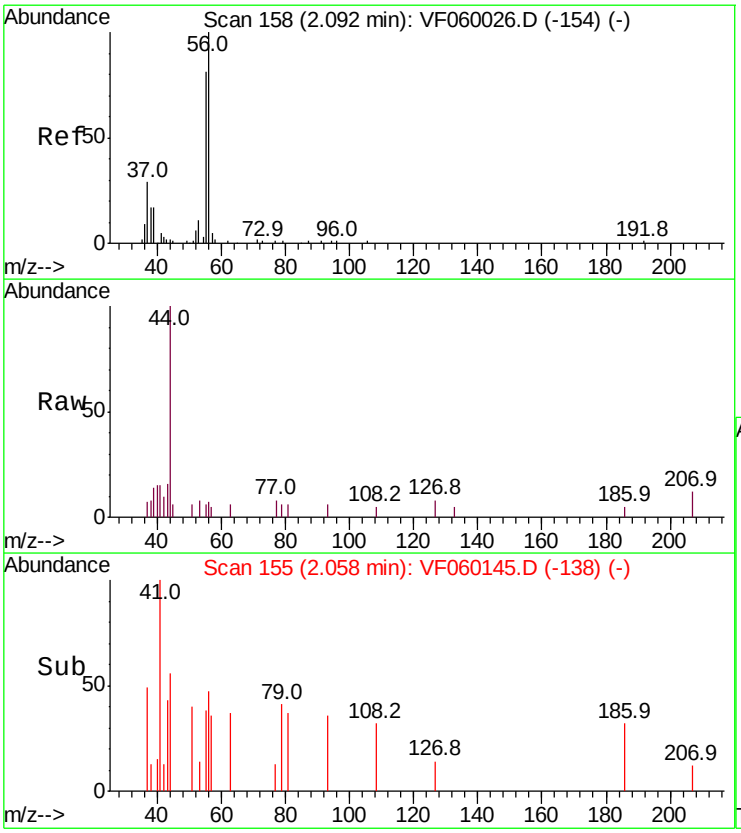
#11
Tert butyl alcohol
Concen: 4.249 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.01 min
Lab File: VF060145.D
Acq: 28 Aug 2018 12:56

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBL01

Tgt Ion: 59 Resp: 499

Ion	Ratio	Lower	Upper
59	100		
57	0.0	5.4	8.2#

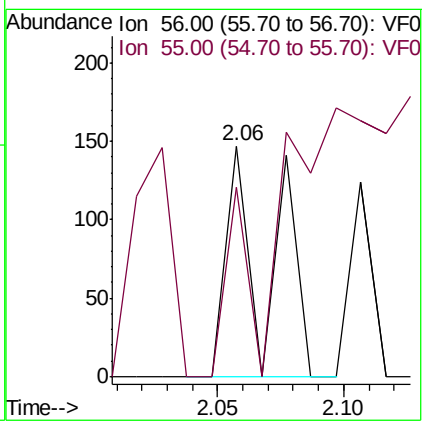


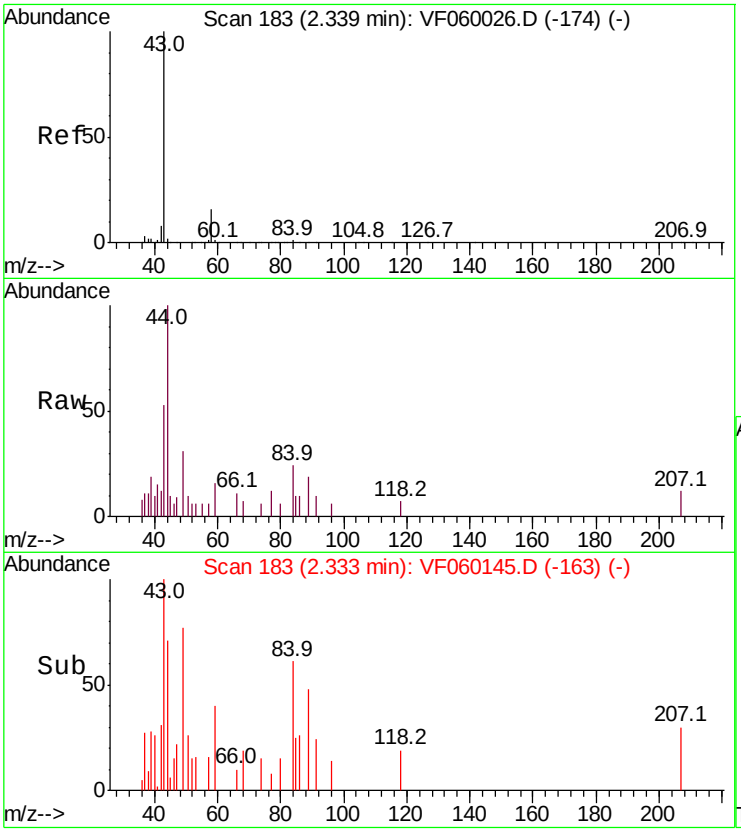


#13
Acrolein
Concen: 28.443 ug/l
RT: 2.06 min Scan# 155
Delta R.T. -0.03 min
Lab File: VF060145.D
Acq: 28 Aug 2018 12:56

Tgt Ion: 56 Resp: 170

Ion	Ratio	Lower	Upper
56	100		
55	82.3	65.6	98.4



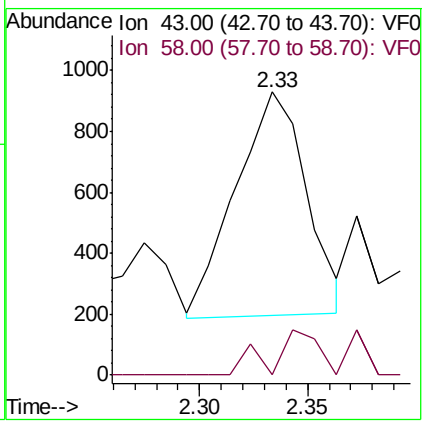


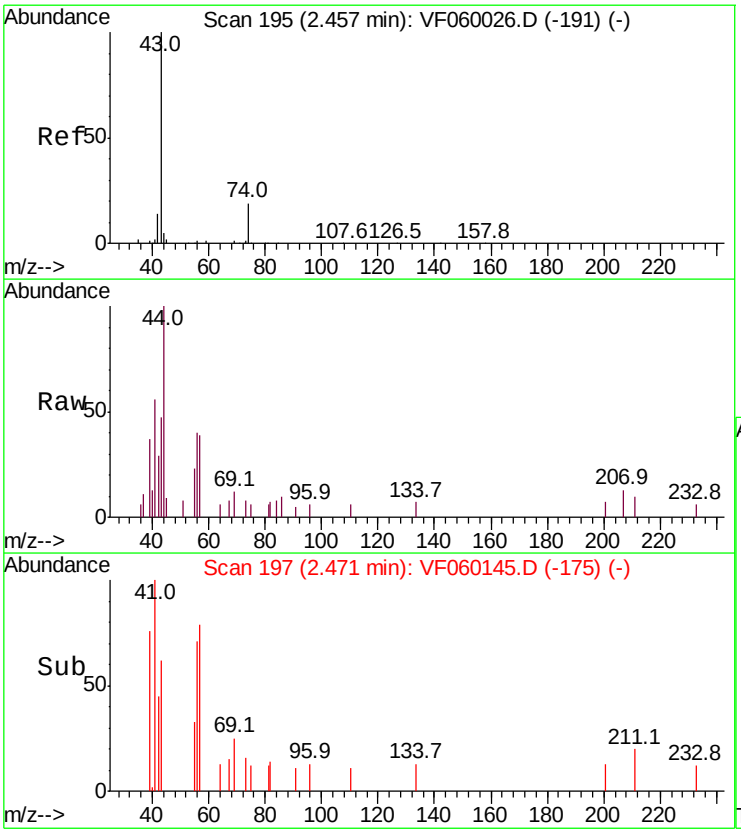
#16
Acetone
Concen: 2.902 ug/l
RT: 2.33 min Scan# 183
Delta R.T. -0.01 min
Lab File: VF060145.D
Acq: 28 Aug 2018 12:56

Tgt Ion: 43 Resp: 1684

Ion	Ratio	Lower	Upper
43	100		
58	0.0	12.6	19.0#

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBL01

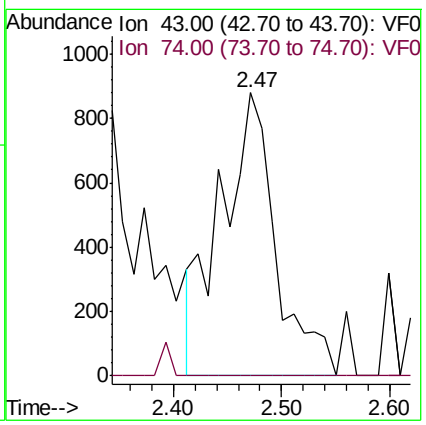


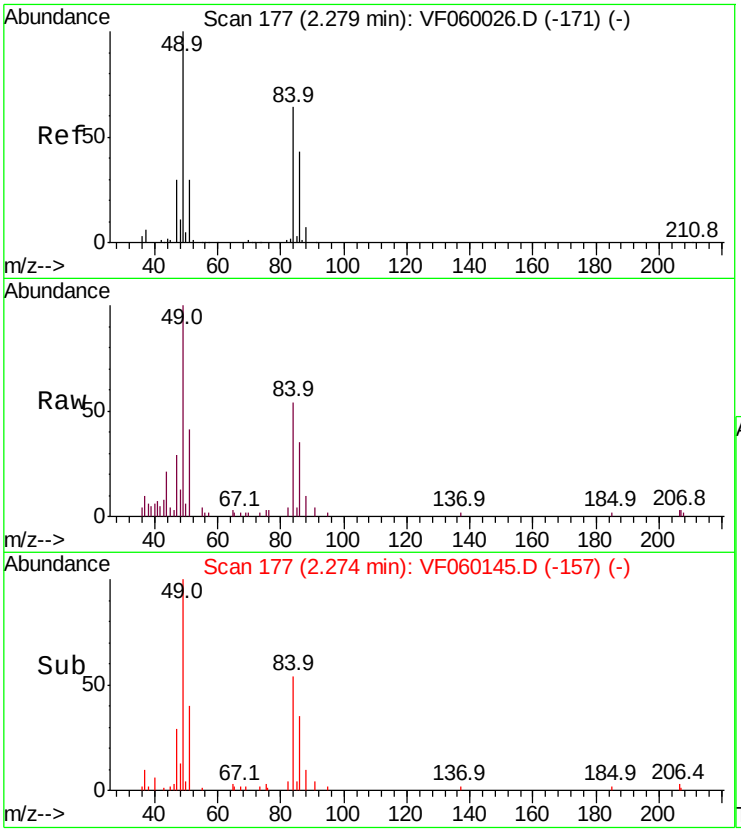


#18
Methyl Acetate
Concen: Below Cal
RT: 2.47 min Scan# 197
Delta R.T. 0.02 min
Lab File: VF060145.D
Acq: 28 Aug 2018 12:56

Tgt Ion: 43 Resp: 3101

Ion	Ratio	Lower	Upper
43	100		
74	0.0	13.8	20.6#



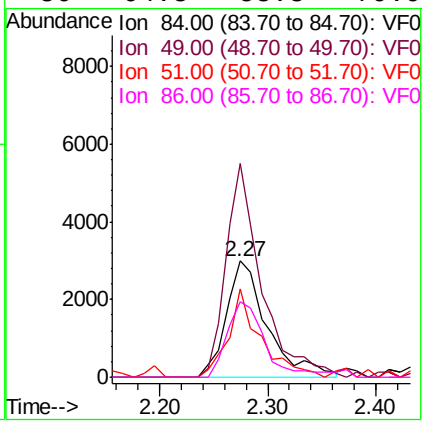


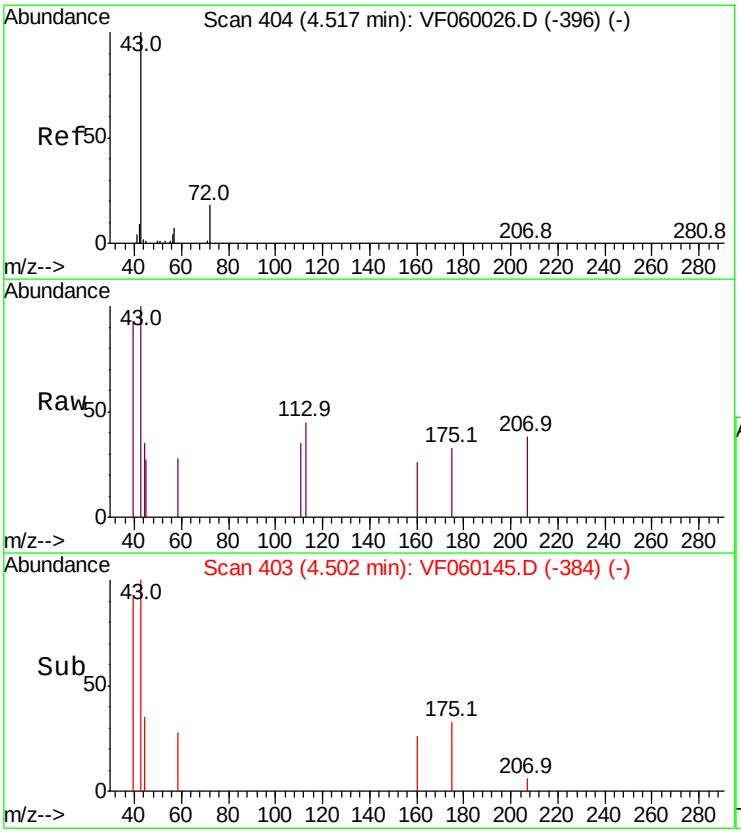
#20
Methylene Chloride
Concen: 1.966 ug/l
RT: 2.27 min Scan# 177
Delta R.T. -0.00 min
Lab File: VF060145.D
Acq: 28 Aug 2018 12:56

Instrument : MSVOA_F
ClientSampleId : VF0828SBL01

Tgt Ion: 84 Resp: 7874

Ion	Ratio	Lower	Upper
84	100		
49	184.1	125.4	188.0
51	76.3	38.3	57.5#
86	64.8	53.3	79.9

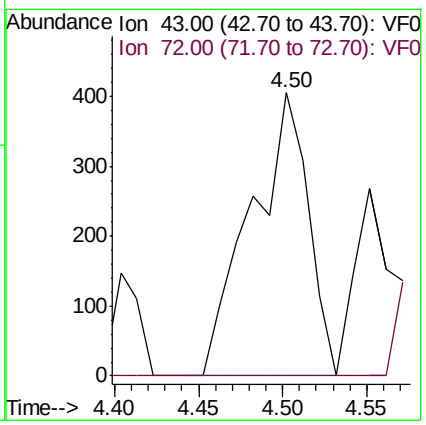


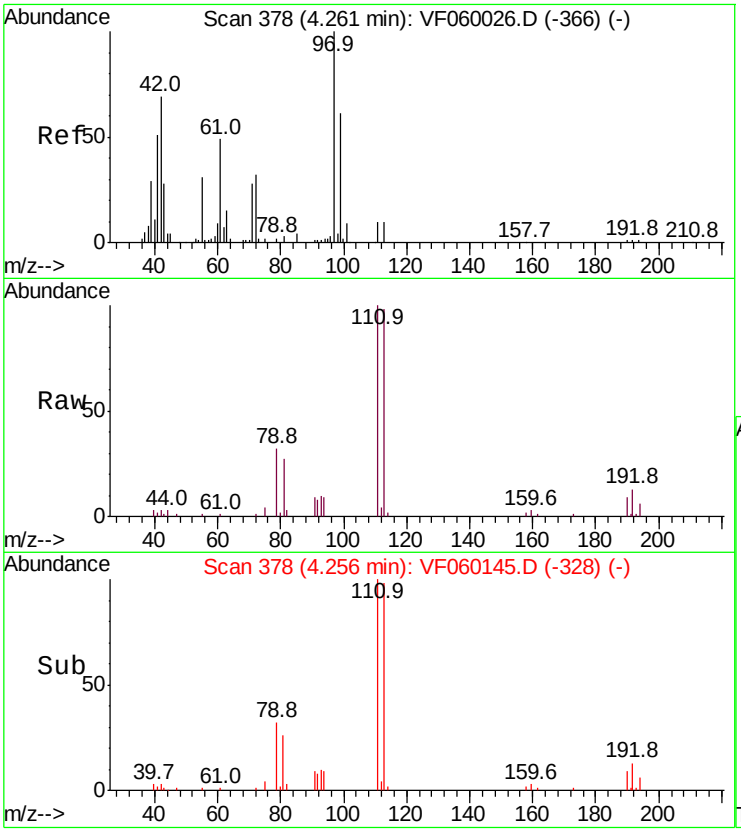


#25
2-Butanone
Concen: 1.262 ug/l
RT: 4.50 min Scan# 403
Delta R.T. -0.01 min
Lab File: VF060145.D
Acq: 28 Aug 2018 12:56

Tgt Ion: 43 Resp: 951

Ion	Ratio	Lower	Upper
43	100		
72	0.0	15.0	22.6#



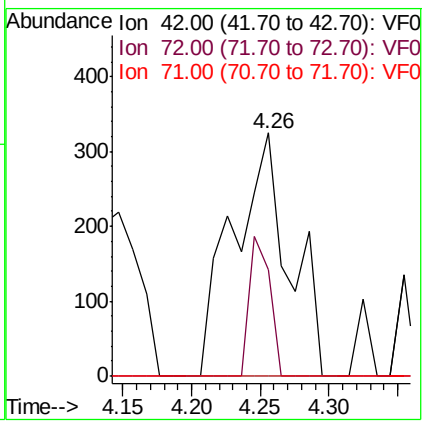


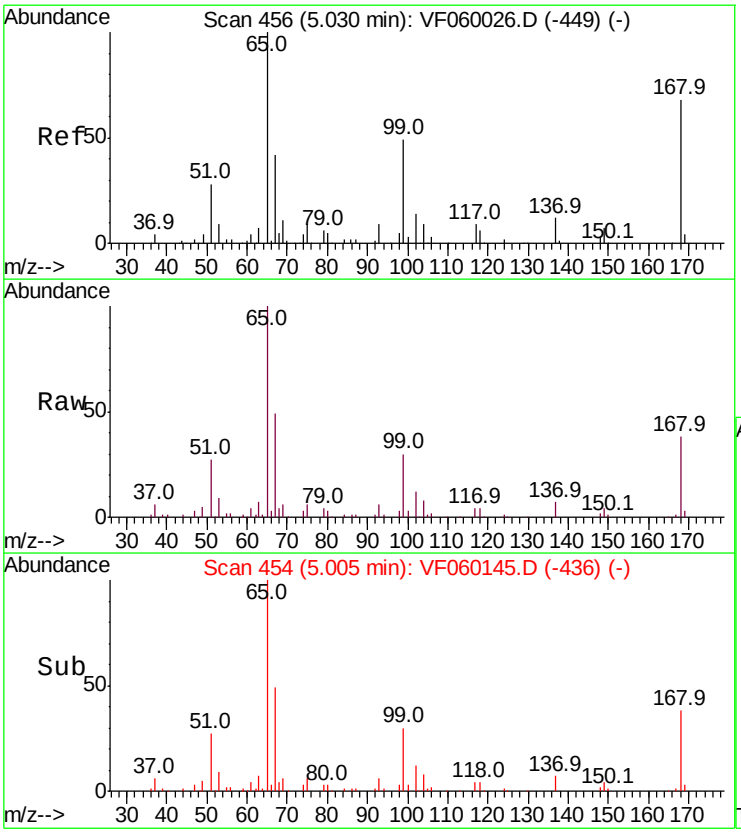
#29
Tetrahydrofuran
Concen: 3.244 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.01 min
Lab File: VF060145.D
Acq: 28 Aug 2018 12:56

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBL01

Tgt Ion: 42 Resp: 923

Ion	Ratio	Lower	Upper
42	100		
72	21.1	31.4	47.2#
71	0.0	29.7	44.5#

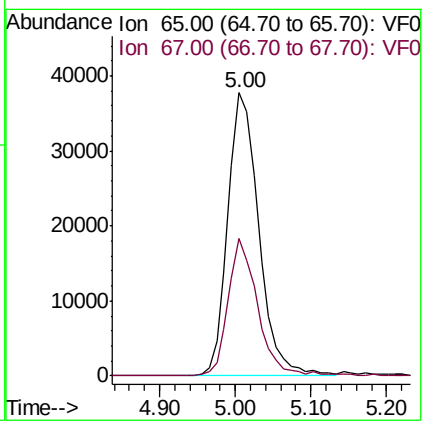


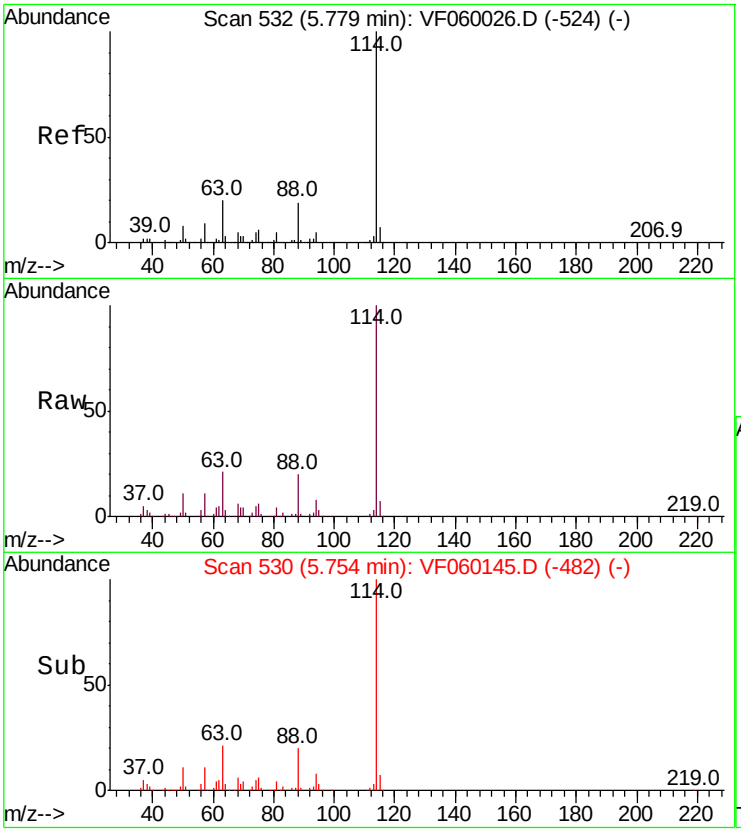


#33
1,2-Dichloroethane-d4
Concen: 48.699 ug/l
RT: 5.00 min Scan# 454
Delta R.T. -0.02 min
Lab File: VF060145.D
Acq: 28 Aug 2018 12:56

Tgt Ion: 65 Resp: 107509

Ion	Ratio	Lower	Upper
65	100		
67	48.7	0.0	92.0



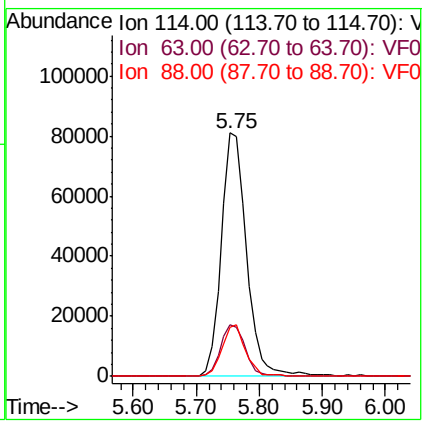


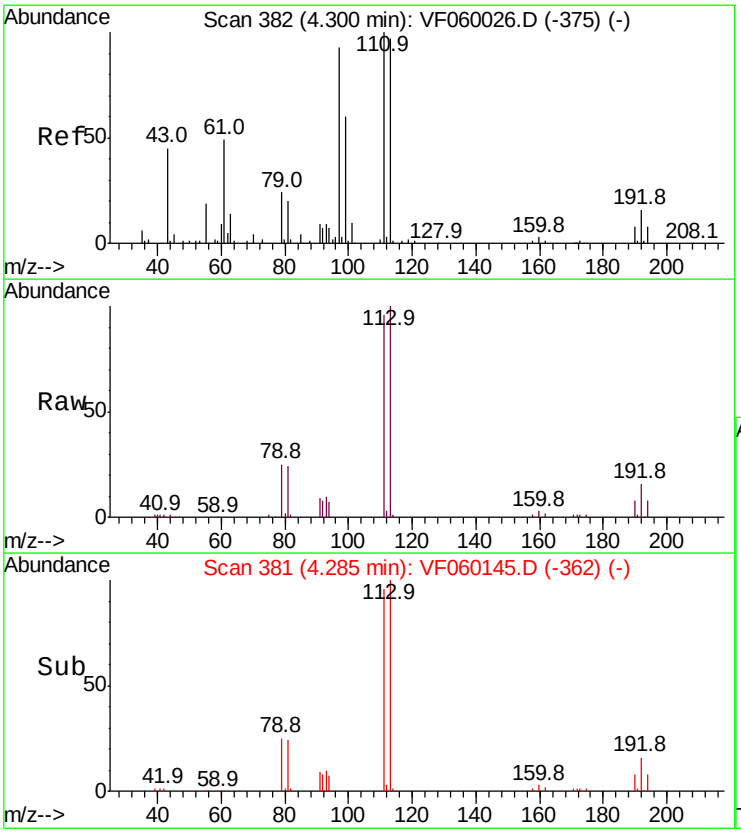
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.75 min Scan# 530
Delta R.T. -0.02 min
Lab File: VF060145.D
Acq: 28 Aug 2018 12:56

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBL01

Tgt Ion:114 Resp: 226107

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	40.4
88	19.9	0.0	38.6

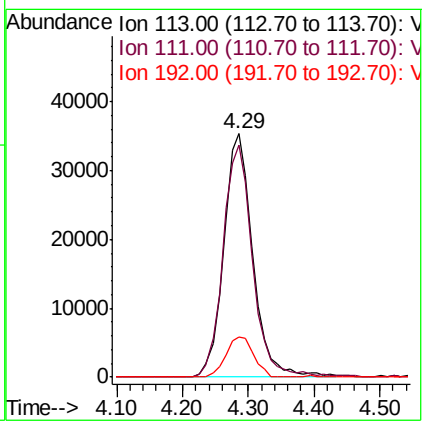


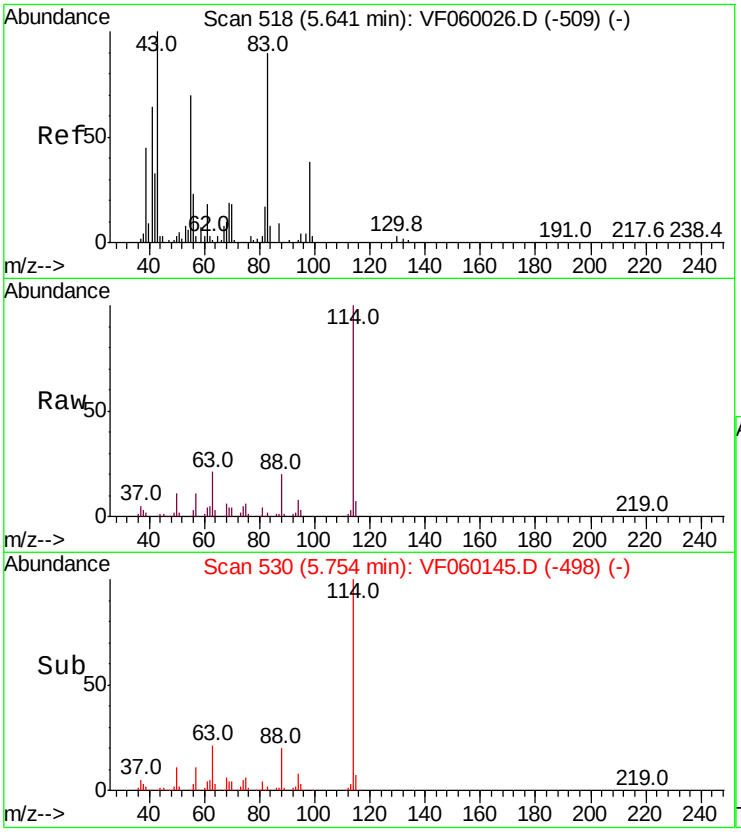


#35
Dibromofluoromethane
Concen: 61.301 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF060145.D
Acq: 28 Aug 2018 12:56

Tgt Ion:113 Resp: 108841

Ion	Ratio	Lower	Upper
113	100		
111	95.5	82.7	124.1
192	16.2	13.0	19.4



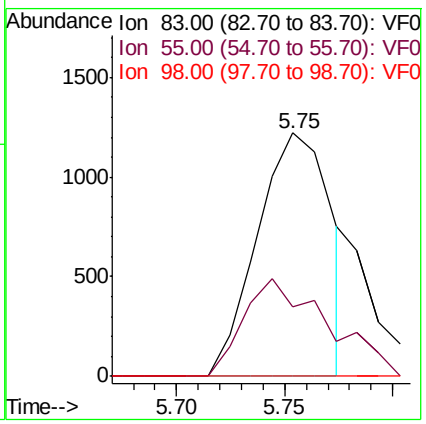


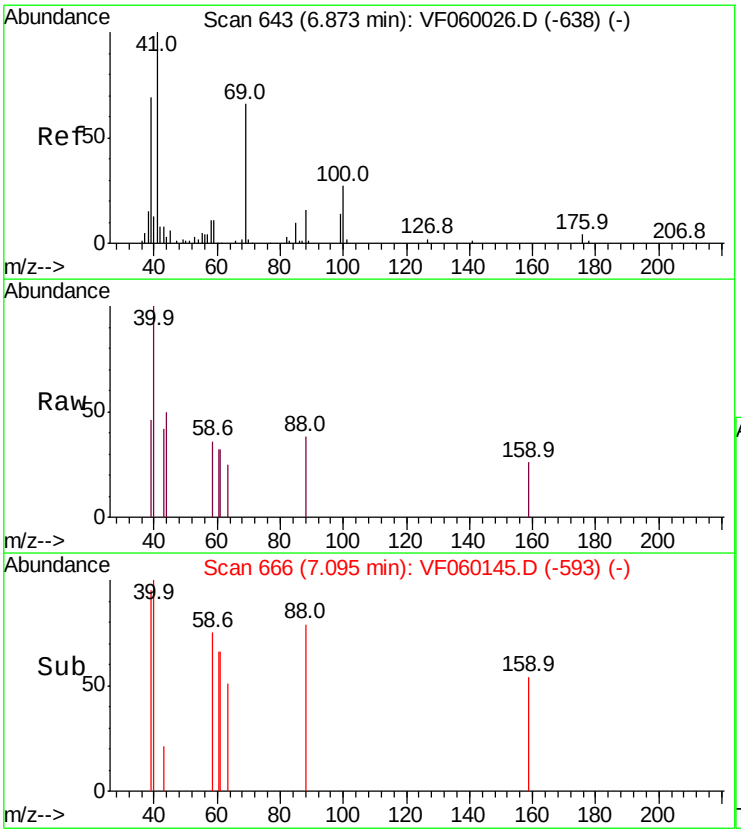
#39
Methylcyclohexane
Concen: 1.454 ug/l
RT: 5.75 min Scan# 530
Delta R.T. 0.11 min
Lab File: VF060145.D
Acq: 28 Aug 2018 12:56

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBL01

Tgt Ion: 83 Resp: 2897

Ion	Ratio	Lower	Upper
83	100		
55	28.5	62.7	94.1#
98	0.0	33.8	50.8#

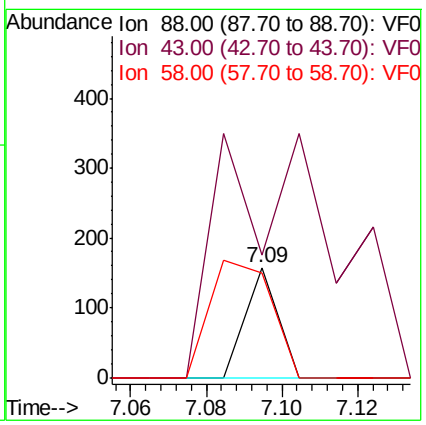


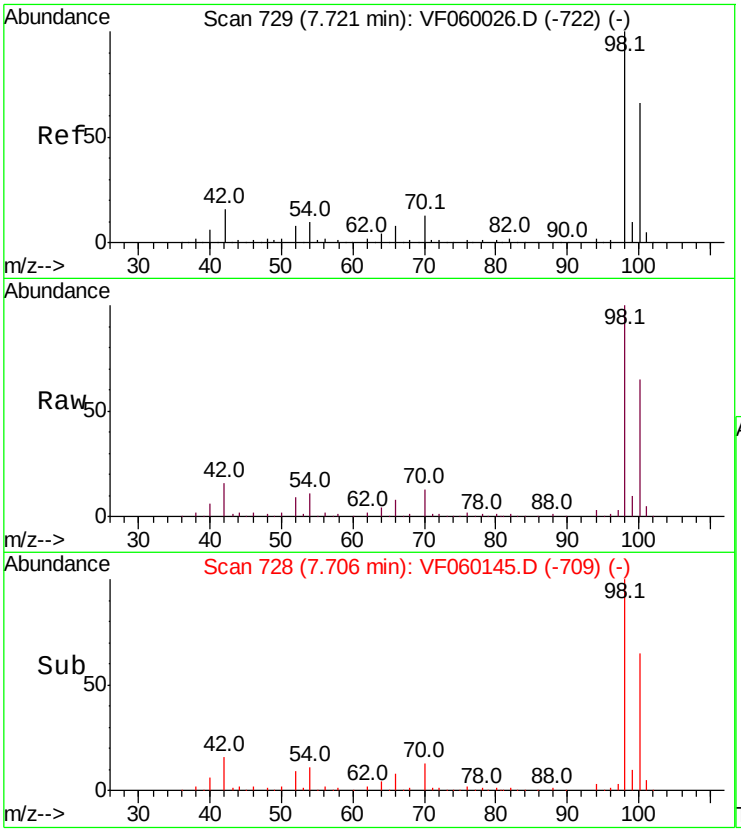


#49
1,4-Dioxane
Concen: 9.154 ug/l
RT: 7.09 min Scan# 666
Delta R.T. 0.22 min
Lab File: VF060145.D
Acq: 28 Aug 2018 12:56

Tgt Ion: 88 Resp: 93

Ion	Ratio	Lower	Upper
88	100		
43	111.5	46.5	69.7#
58	94.9	54.8	82.2#



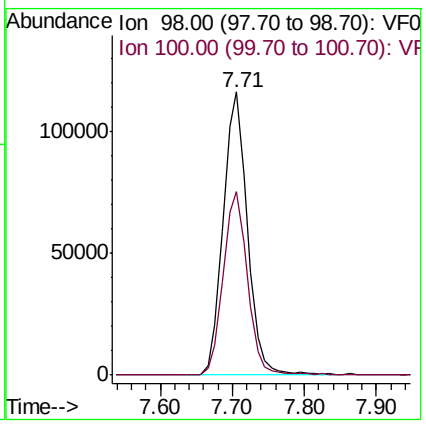


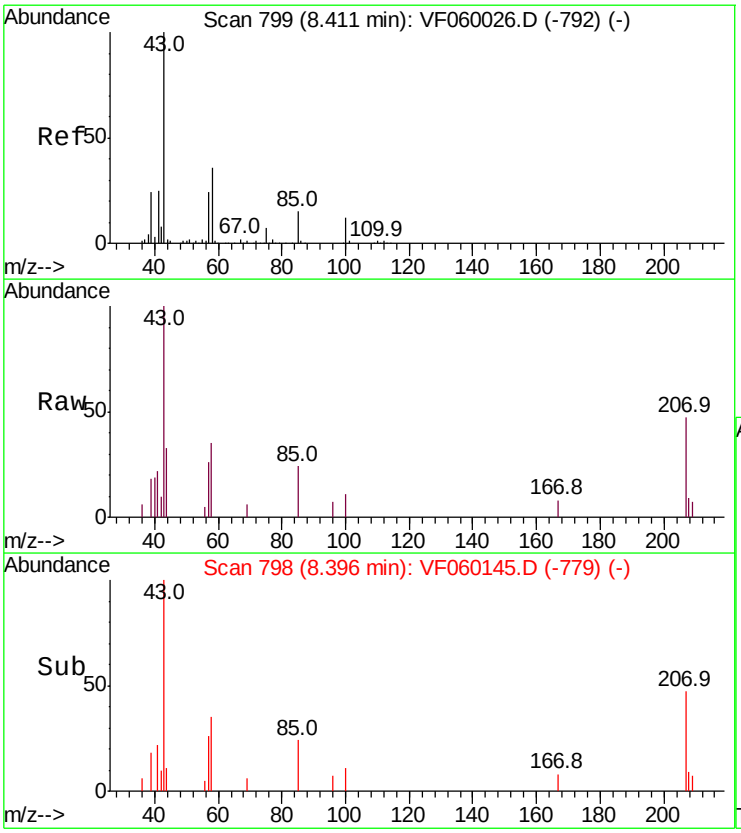
#50
Toluene-d8
Concen: 53.816 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.01 min
Lab File: VF060145.D
Acq: 28 Aug 2018 12:56

Instrument : MSVOA_F
ClientSampleId : VF0828SBL01

Tgt Ion: 98 Resp: 271366

Ion	Ratio	Lower	Upper
98	100		
100	65.1	53.2	79.8

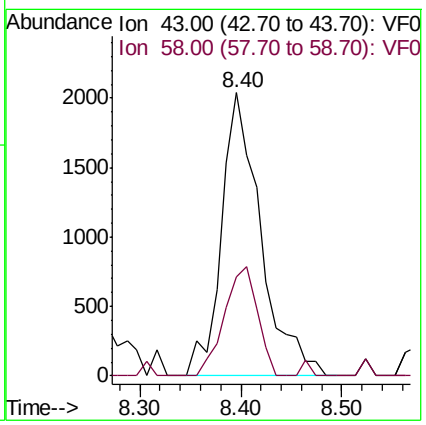


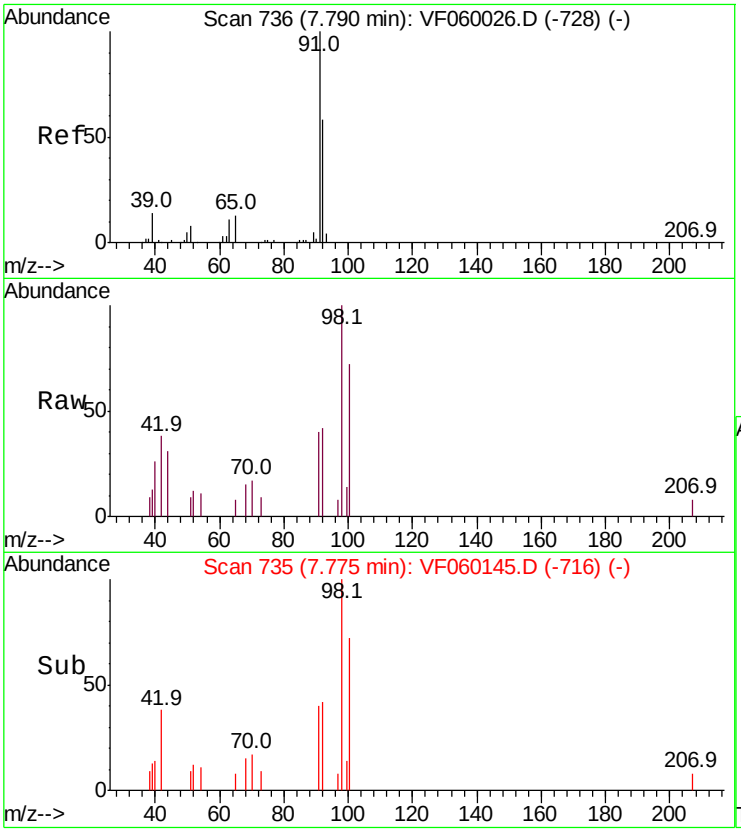


#51
4-Methyl-2-Pentanone
Concen: 4.006 ug/l
RT: 8.40 min Scan# 798
Delta R.T. -0.01 min
Lab File: VF060145.D
Acq: 28 Aug 2018 12:56

Tgt Ion: 43 Resp: 5533

Ion	Ratio	Lower	Upper
43	100		
58	34.9	28.6	42.8



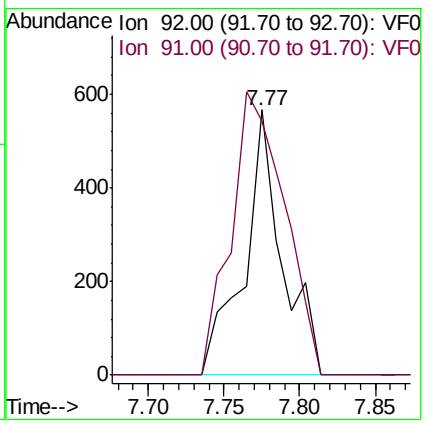


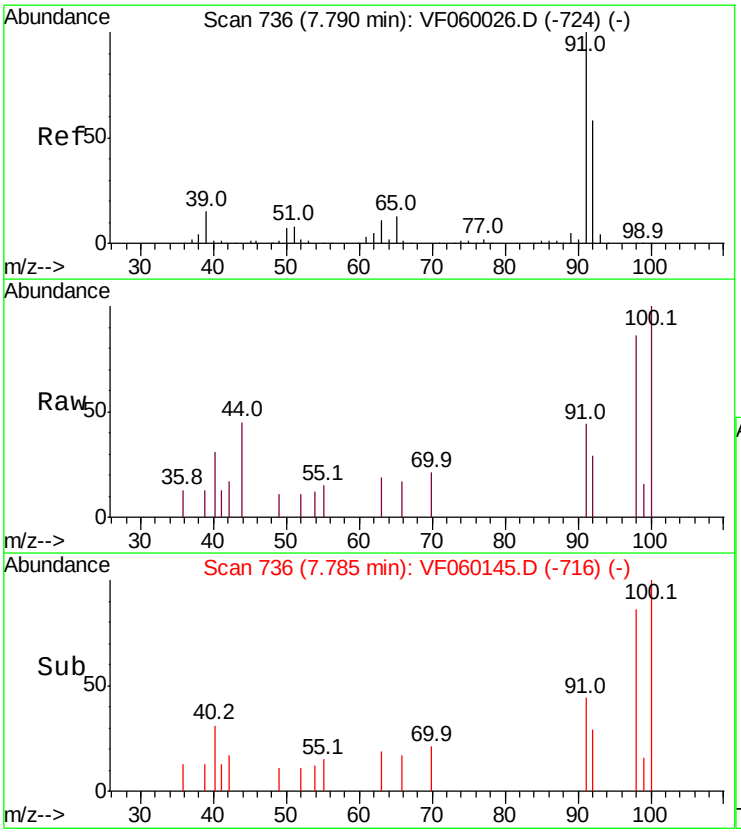
#52
Toluene
Concen: Below Cal
RT: 7.77 min Scan# 735
Delta R.T. -0.01 min
Lab File: VF060145.D
Acq: 28 Aug 2018 12:56

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBL01

Tgt Ion: 92 Resp: 996

Ion	Ratio	Lower	Upper
92	100		
91	95.8	137.7	206.5#

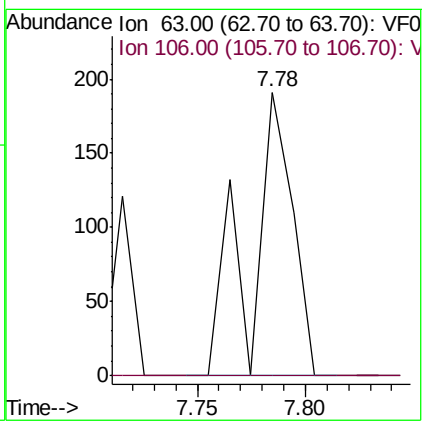


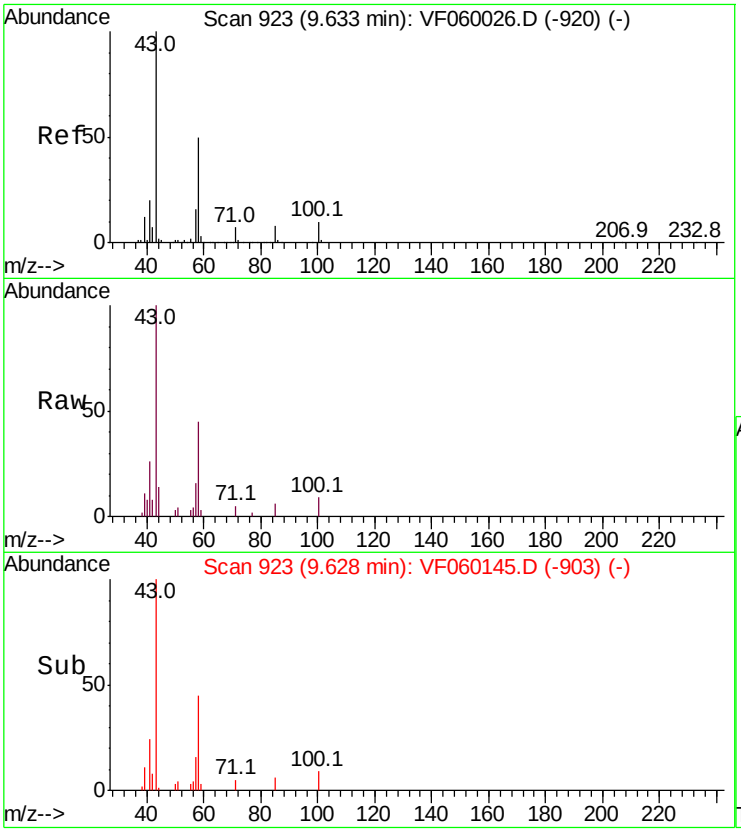


#58
2-Chloroethyl Vinyl ether
Concen: 2.127 ug/l
RT: 7.78 min Scan# 736
Delta R.T. -0.01 min
Lab File: VF060145.D
Acq: 28 Aug 2018 12:56

Tgt Ion: 63 Resp: 256

Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0



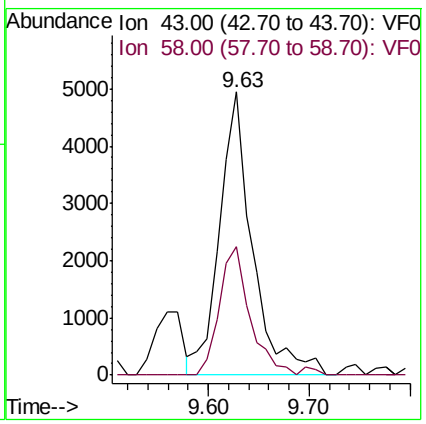


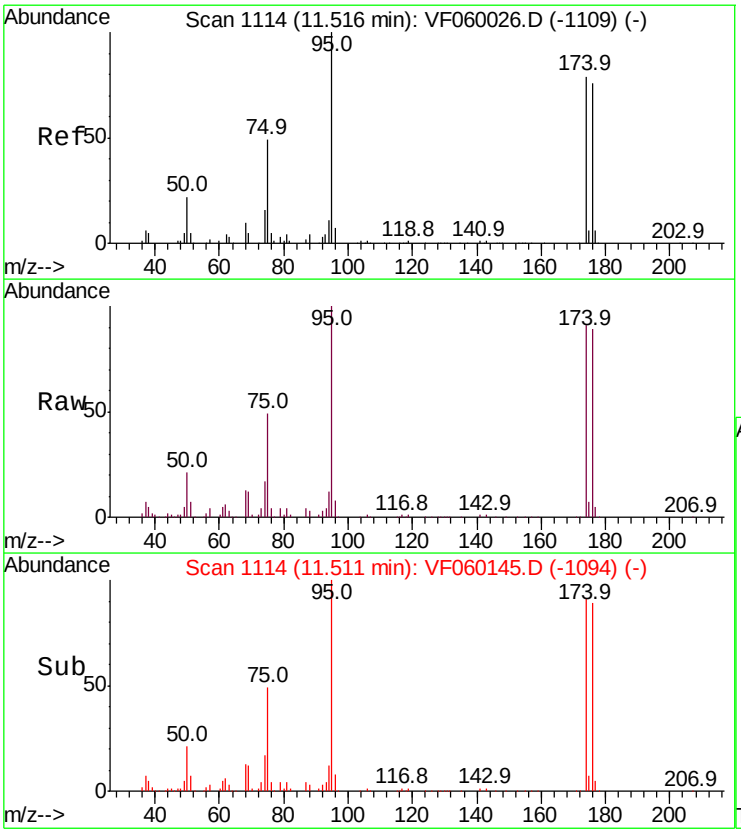
#59
2-Hexanone
Concen: 10.020 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.01 min
Lab File: VF060145.D
Acq: 28 Aug 2018 12:56

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBL01

Tgt Ion: 43 Resp: 11201

Ion	Ratio	Lower	Upper
43	100		
58	45.3	23.4	70.2

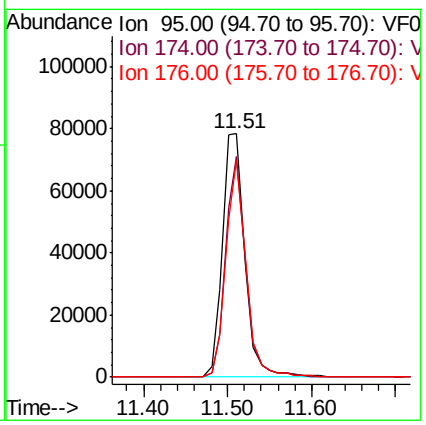


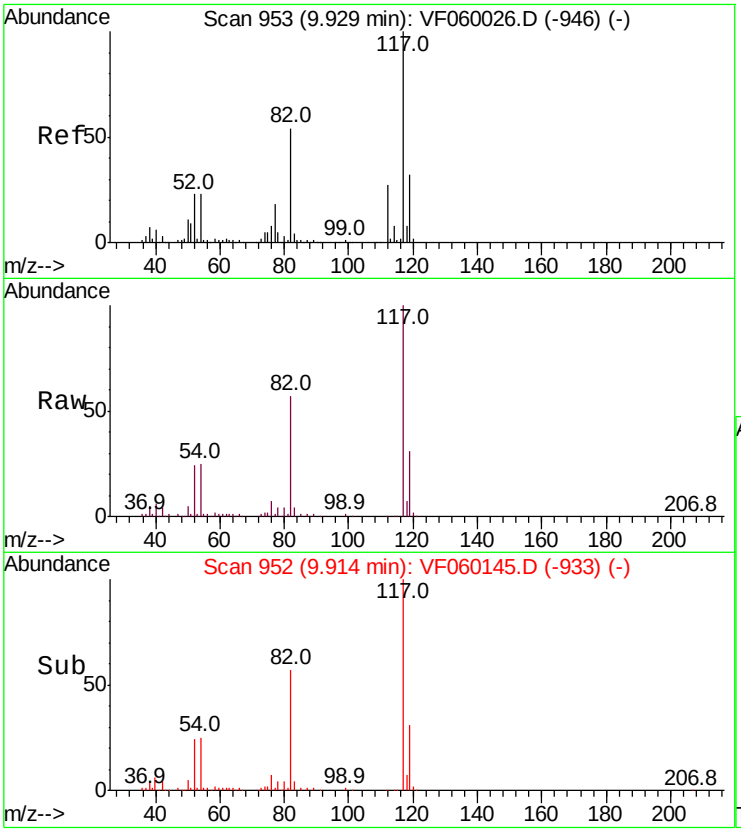


#62
4-Bromofluorobenzene
Concen: 54.608 ug/l
RT: 11.51 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VF060145.D
Acq: 28 Aug 2018 12:56

Tgt Ion: 95 Resp: 145665

Ion	Ratio	Lower	Upper
95	100		
174	90.8	0.0	158.4
176	89.1	0.0	153.0



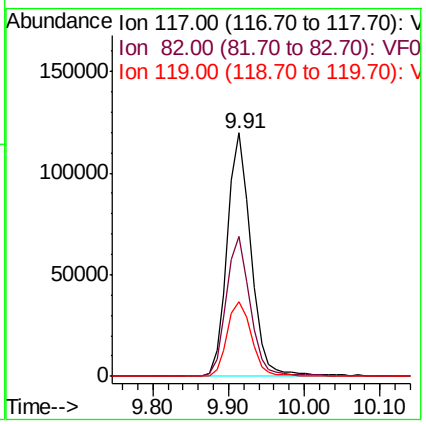


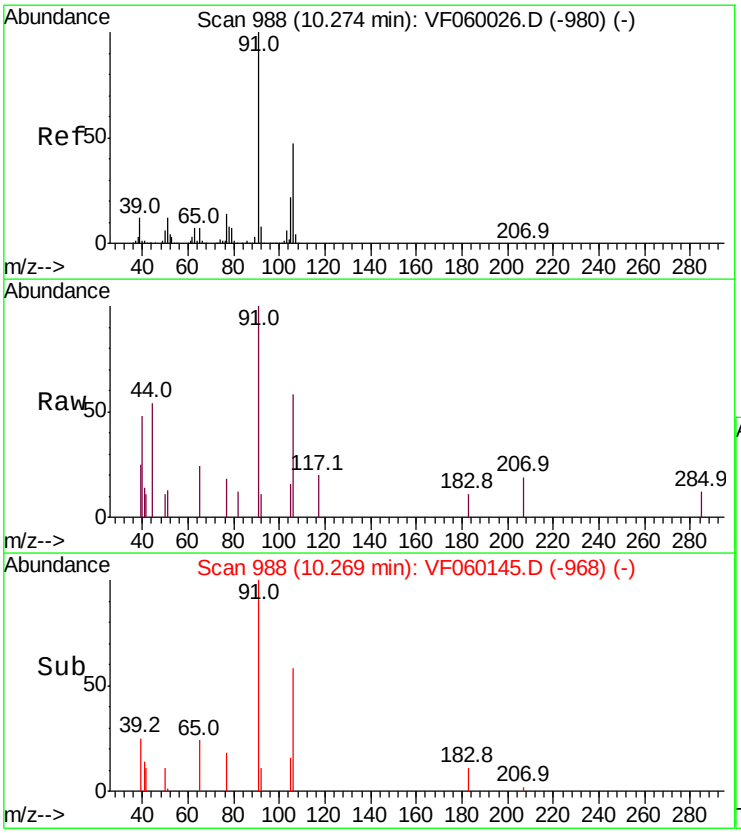
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF060145.D
Acq: 28 Aug 2018 12:56

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBL01

Tgt Ion:117 Resp: 259005

Ion	Ratio	Lower	Upper
117	100		
82	57.2	43.6	65.4
119	30.5	25.6	38.4

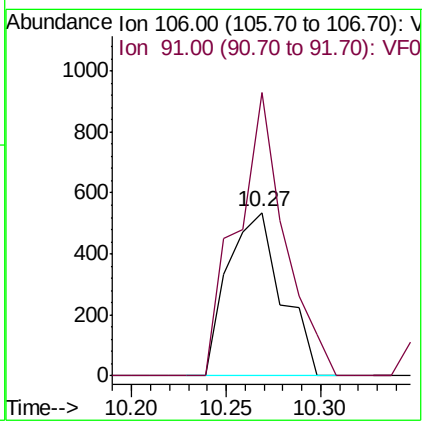


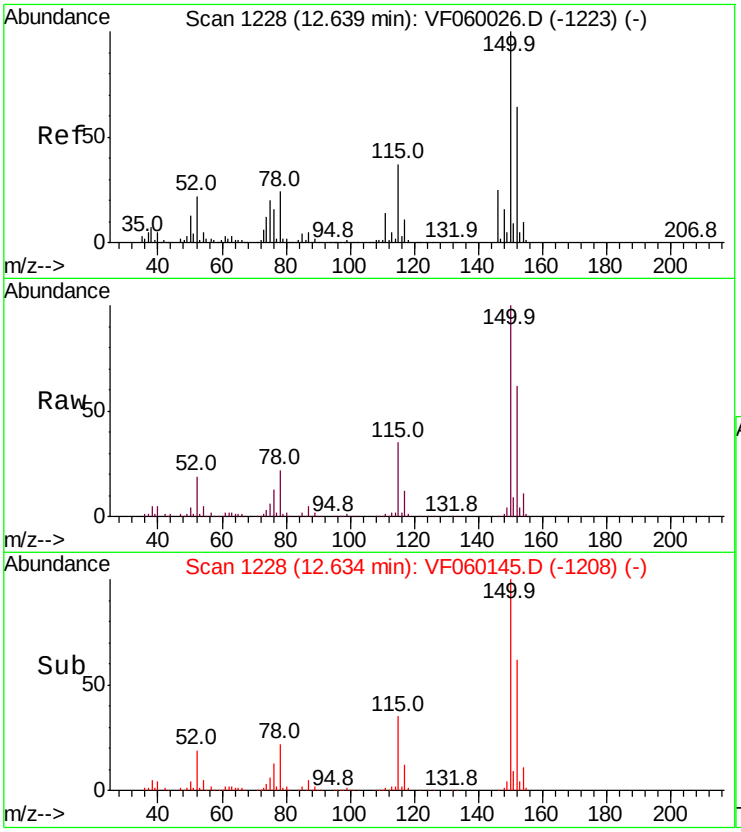


#68
m/p-Xylenes
Concen: Below Cal
RT: 10.27 min Scan# 988
Delta R.T. -0.00 min
Lab File: VF060145.D
Acq: 28 Aug 2018 12:56

Tgt Ion:106 Resp: 1061

Ion	Ratio	Lower	Upper
106	100		
91	173.5	171.8	257.8



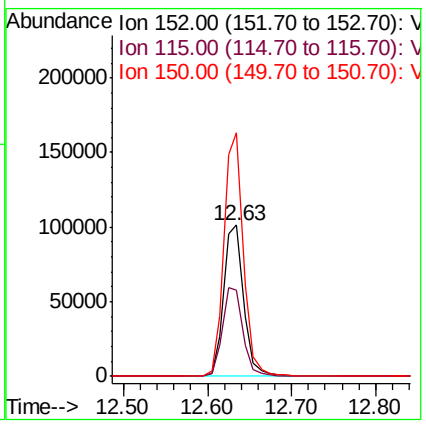


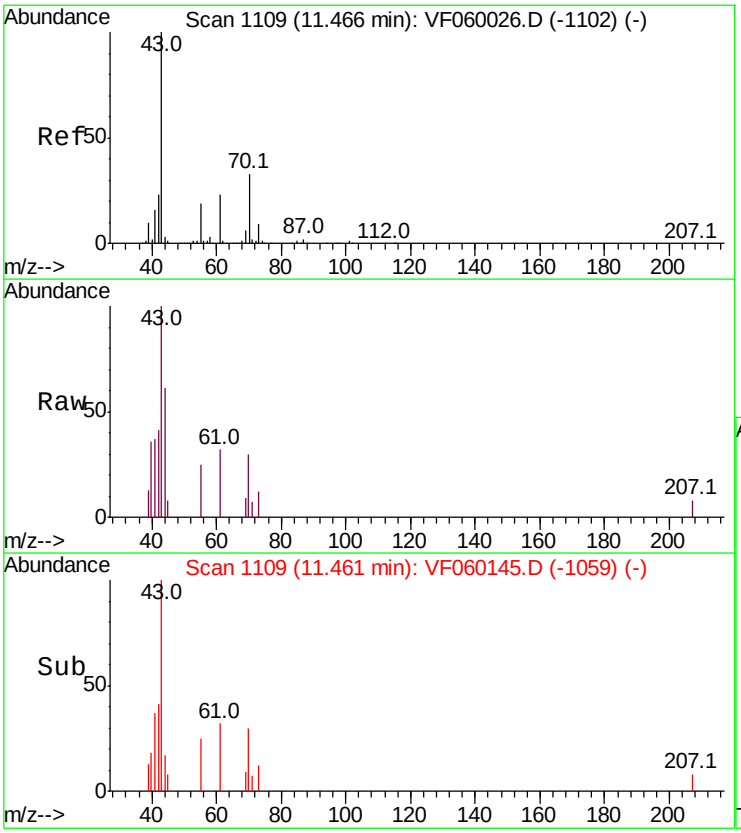
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1228
Delta R.T. -0.01 min
Lab File: VF060145.D
Acq: 28 Aug 2018 12:56

Instrument : MSVOA_F
ClientSampleId : VF0828SBL01

Tgt Ion:152 Resp: 167304

Ion	Ratio	Lower	Upper
152	100		
115	56.7	28.6	85.9
150	160.9	0.0	312.0

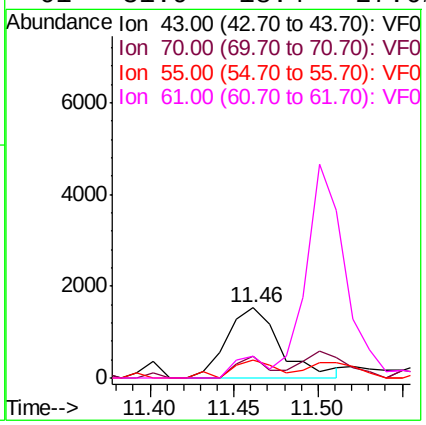


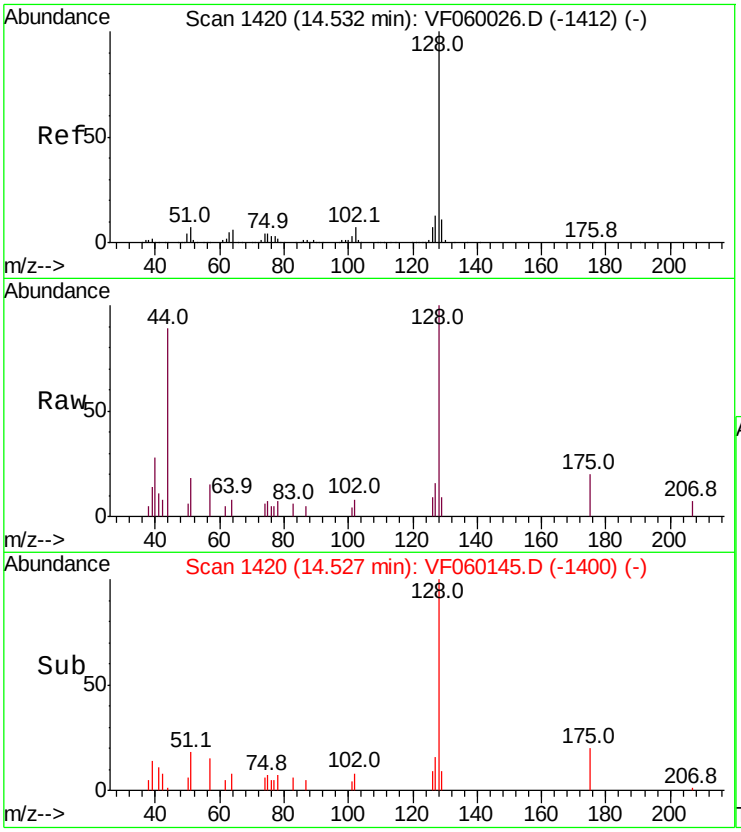


#74
N-amyl acetate
Concen: 1.089 ug/l
RT: 11.46 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VF060145.D
Acq: 28 Aug 2018 12:56

Tgt Ion: 43 Resp: 3409

Ion	Ratio	Lower	Upper
43	100		
70	30.4	26.4	39.6
55	25.0	15.0	22.4#
61	31.9	18.4	27.6#





#95
Naphthalene
Concen: 2.895 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. -0.00 min
Lab File: VF060145.D
Acq: 28 Aug 2018 12:56

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBL01

Tgt Ion:128 Resp: 3972

Ion	Ratio	Lower	Upper
128	100		
127	15.9	10.4	15.6#
129	8.8	8.5	12.7