Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061918\
Data File : VF059199.D
Acq On : 19 Jun 2018 20:06
Operator : VA/AP
Sample : J3554-02RE
Misc : 5.46g/5mL/MSVOA-F/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId :

Quant Time: Jun 20 03:05:01 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 10:52:00 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	33042	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.74	114	38593	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.90	117	28923	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	10161	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	8631	21.54	ug/l	-0.01
Spiked Amount 50.000			Recovery = 43.08%			
35) Dibromofluoromethane	4.27	113	11197	41.35	ug/l	-0.02
Spiked Amount 50.000			Recovery = 82.70%			
50) Toluene-d8	7.70	98	37552	47.20	ug/l	-0.01
Spiked Amount 50.000			Recovery = 94.40%			
62) 4-Bromofluorobenzene	11.50	95	11265	27.61	ug/l	-0.01
Spiked Amount 50.000			Recovery = 55.22%			
Target Compounds						Qvalue
3) Chloromethane	1.21	50	603	2.082	ug/l	100
5) Bromomethane	1.39	94	214	1.405	ug/l	84
6) Chloroethane	1.29	64	137	1.263	ug/l #	1
11) Tert butyl alcohol	2.63	59	77	2.999	ug/l #	71
13) Acrolein	2.10	56	87	3.915	ug/l #	14
16) Acetone	2.32	43	250	2.613	ug/l #	59
18) Methyl Acetate	2.44	43	182	1.107	ug/l #	66
20) Methylene Chloride	2.29	84	918	4.007	ug/l #	29
25) 2-Butanone	4.48	43	231	1.557	ug/l #	56
29) Tetrahydrofuran	4.25	42	120	1.836	ug/l #	36
41) Methacrylonitrile	4.89	41	248	2.184	ug/l #	49
48) Methyl methacrylate	6.87	41	245	1.284	ug/l #	57
58) 2-Chloroethyl Vinyl ether	7.78	63	65	3.182	ug/l	100
59) 2-Hexanone	9.63	43	448	2.669	ug/l	78
74) N-amyl acetate	11.43	43	605	2.408	ug/l #	46
75) 1,1,2,2-Tetrachloroethane	11.82	83	170	1.019	ug/l #	24
81) trans-1,4-Dichloro-2-buten	11.95	75	80	1.002	ug/l #	19
89) n-Butylbenzene	12.91	91	106	Below Cal	#	19
92) 1,2-Dibromo-3-Chloropropan	13.77	75	94	2.873	ug/l #	8

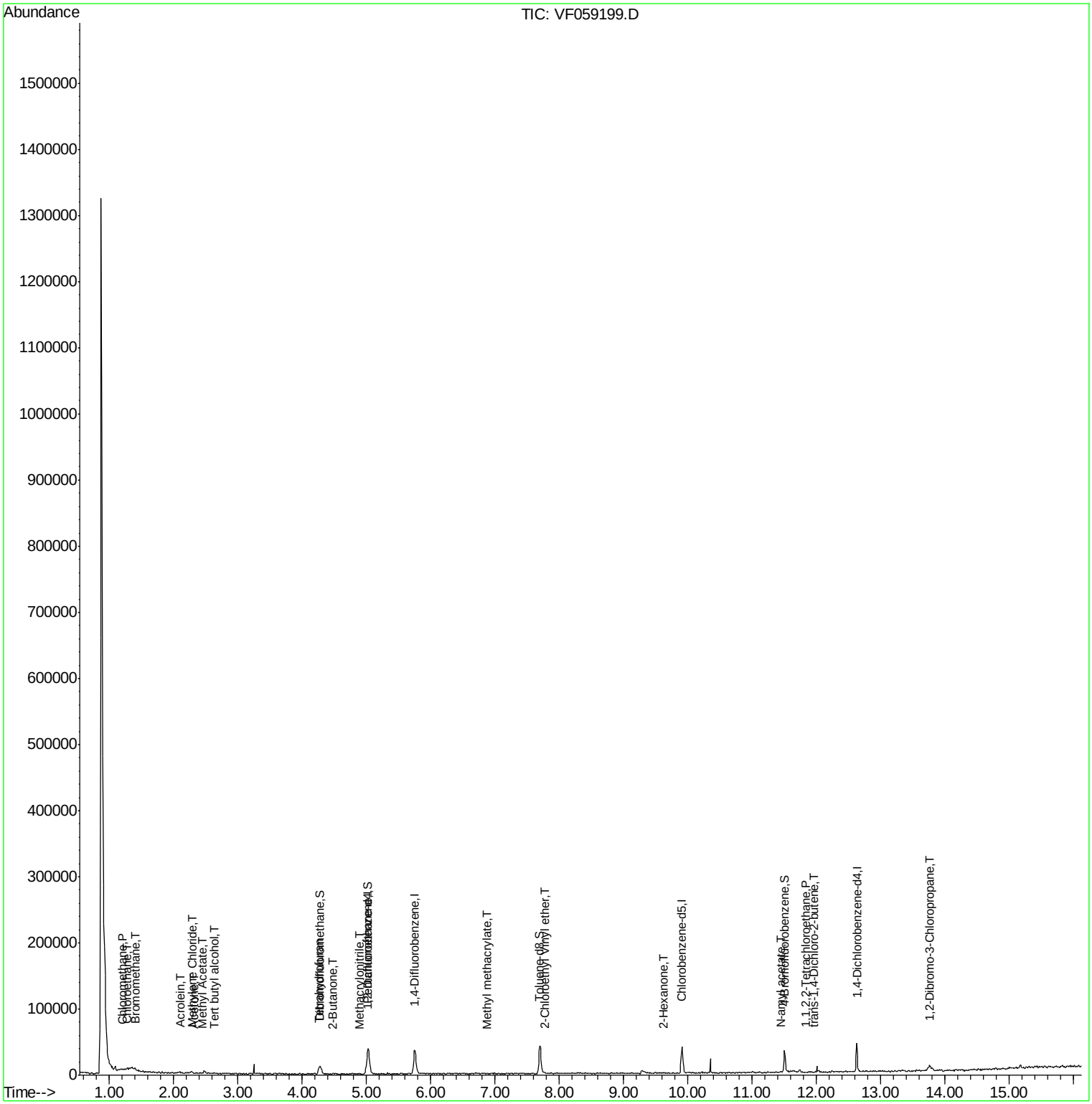
(#) = qualifier out of range (m) = manual integration (+) = signals summed

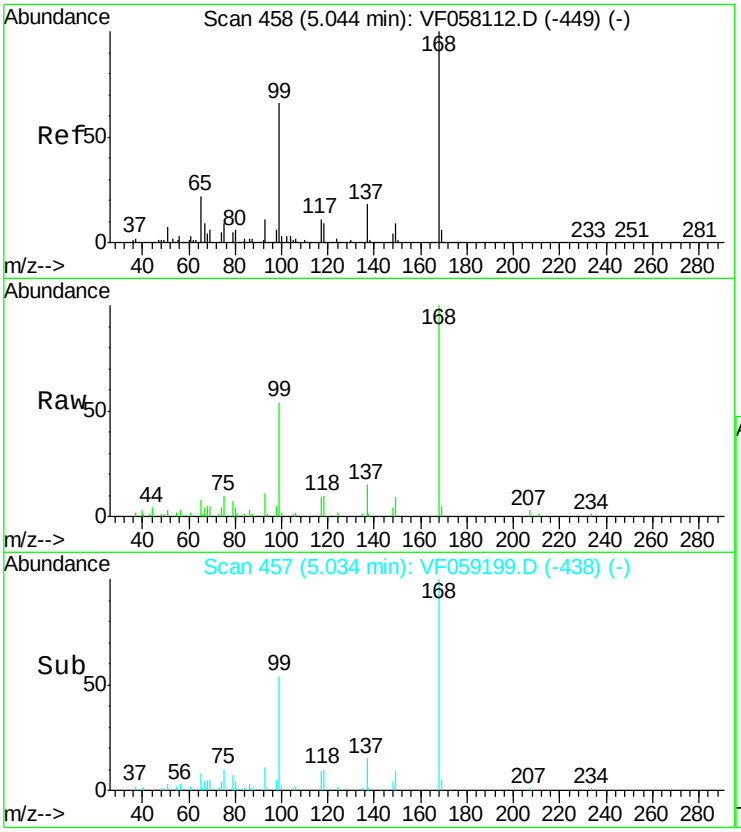
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061918\
Data File : VF059199.D
Acq On : 19 Jun 2018 20:06
Operator : VA/AP
Sample : J3554-02RE
Misc : 5.46g/5mL/MSVOA-F/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Jun 20 03:05:01 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 10:52:00 2018
Response via : Initial Calibration

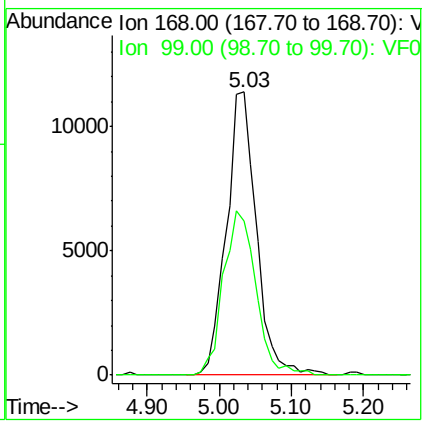




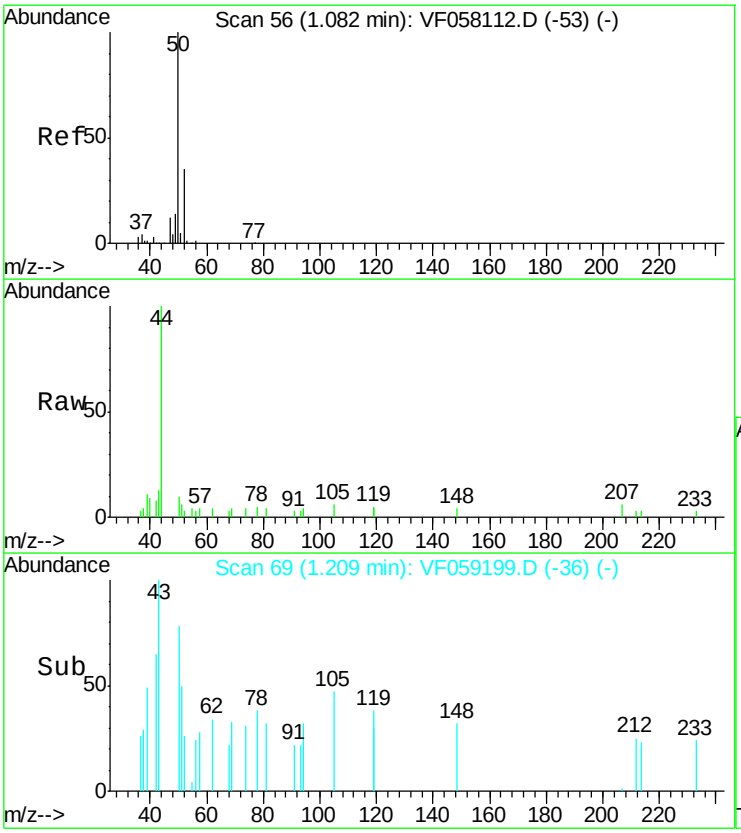
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.03 min Scan# 457
Delta R.T. -0.01 min
Lab File: VF059199.D
Acq: 19 Jun 2018 20:06

Tgt Ion:168 Resp: 33042

Ion	Ratio	Lower	Upper
168	100		
99	54.4	52.9	79.3



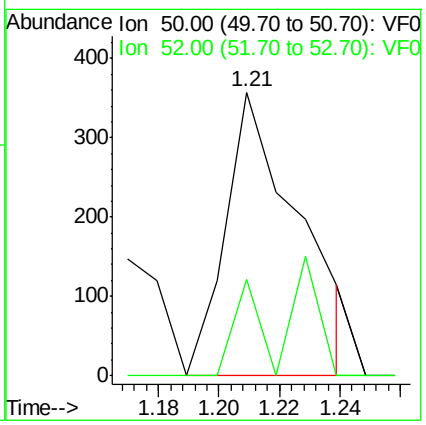
Instrument :
MSVOA_F
ClientSampleId :

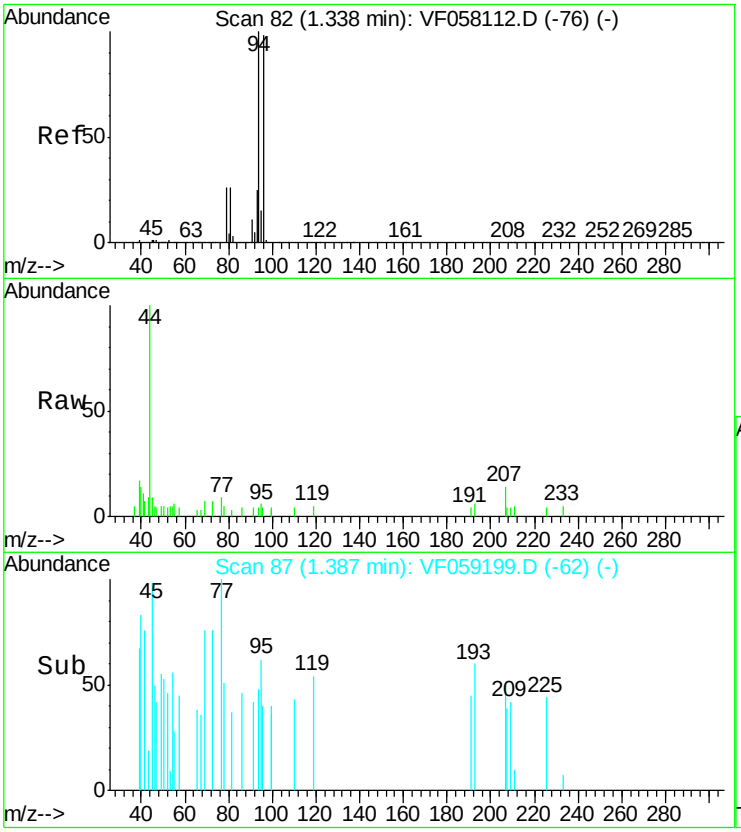


#3
Chloromethane
Concen: 2.082 ug/l
RT: 1.21 min Scan# 69
Delta R.T. 0.13 min
Lab File: VF059199.D
Acq: 19 Jun 2018 20:06

Tgt Ion: 50 Resp: 603

Ion	Ratio	Lower	Upper
50	100		
52	33.9	27.3	40.9



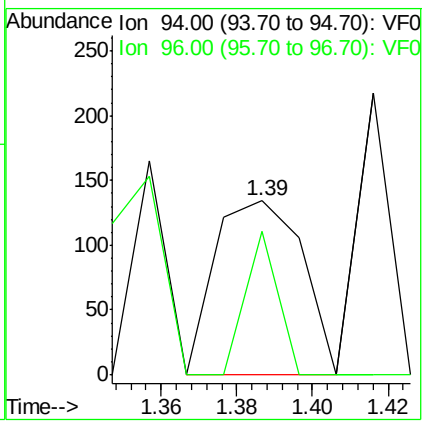


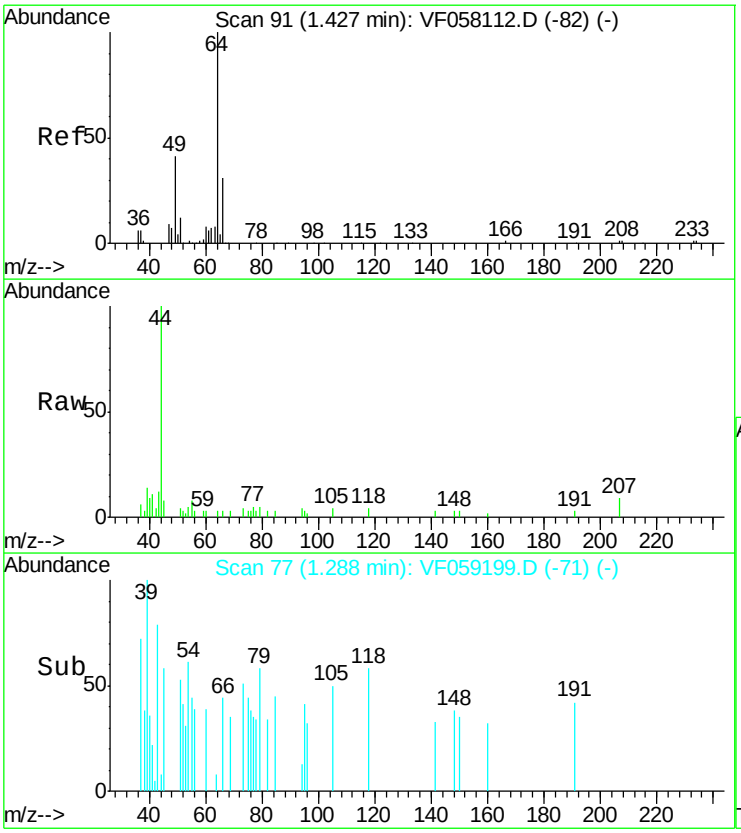
#5
Bromomethane
Concen: 1.405 ug/l
RT: 1.39 min Scan# 87
Delta R.T. 0.05 min
Lab File: VF059199.D
Acq: 19 Jun 2018 20:06

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 94 Resp: 214

Ion	Ratio	Lower	Upper
94	100		
96	82.8	78.6	117.8

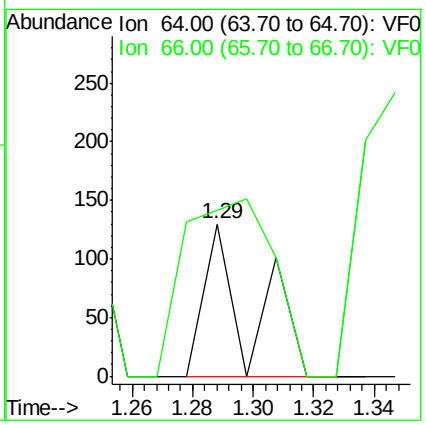


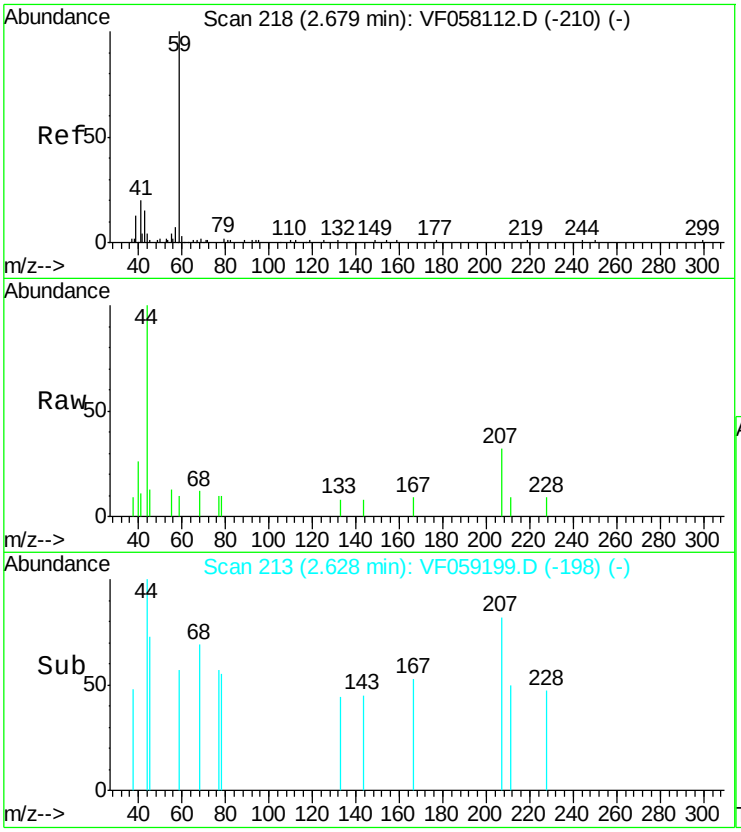


#6
Chloroethane
Concen: 1.263 ug/l
RT: 1.29 min Scan# 77
Delta R.T. -0.14 min
Lab File: VF059199.D
Acq: 19 Jun 2018 20:06

Tgt Ion: 64 Resp: 137

Ion	Ratio	Lower	Upper
64	100		
66	108.5	24.9	37.3#



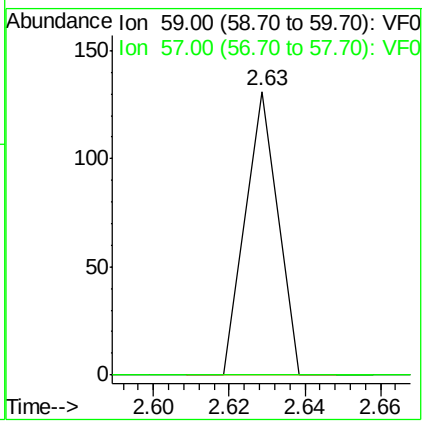


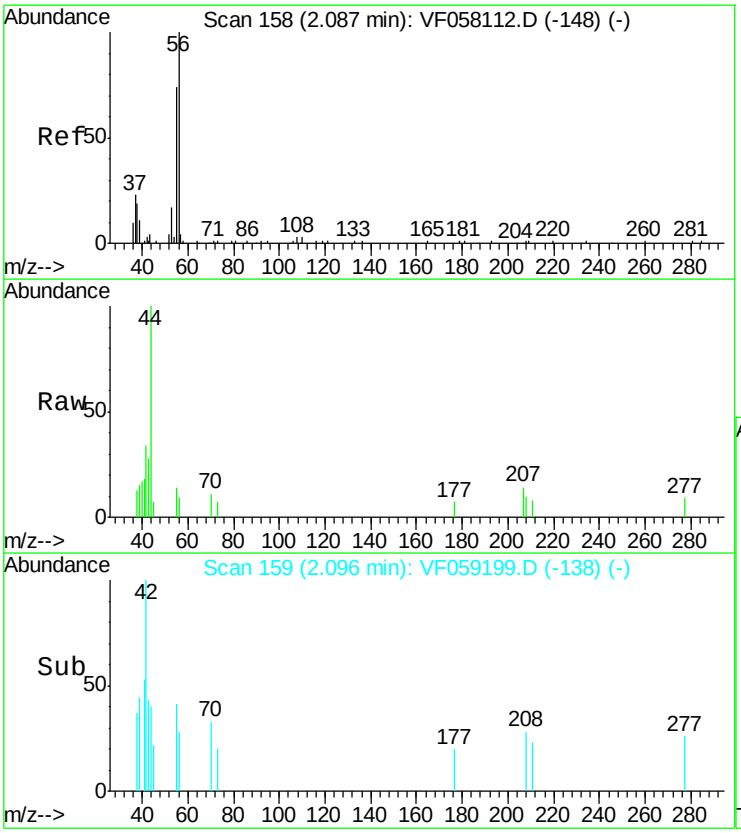
#11
Tert butyl alcohol
Concen: 2.999 ug/l
RT: 2.63 min Scan# 213
Delta R.T. -0.05 min
Lab File: VF059199.D
Acq: 19 Jun 2018 20:06

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 59 Resp: 77

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.7	13.1#

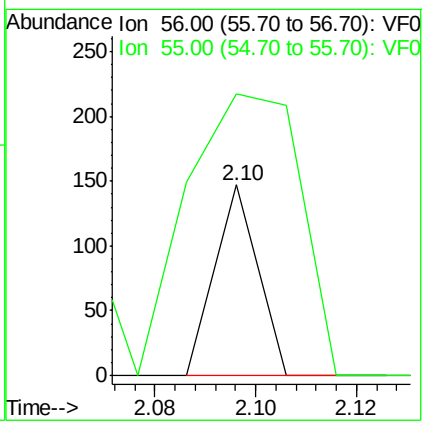


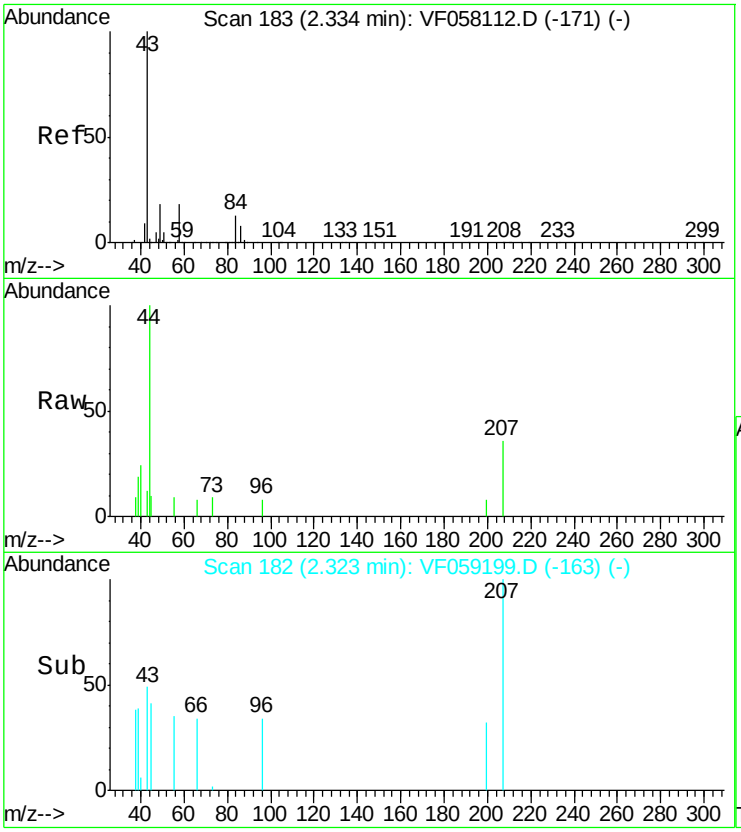


#13
Acrolein
Concen: 3.915 ug/l
RT: 2.10 min Scan# 159
Delta R.T. 0.01 min
Lab File: VF059199.D
Acq: 19 Jun 2018 20:06

Tgt Ion: 56 Resp: 87

Ion	Ratio	Lower	Upper
56	100		
55	148.3	60.0	90.0#



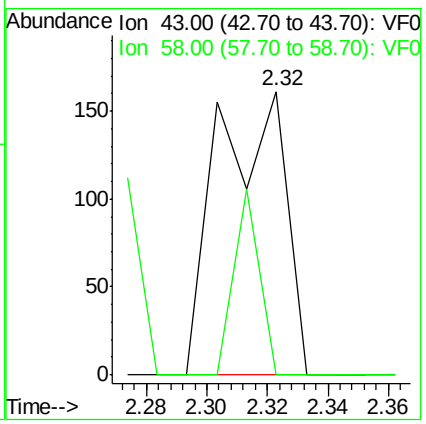


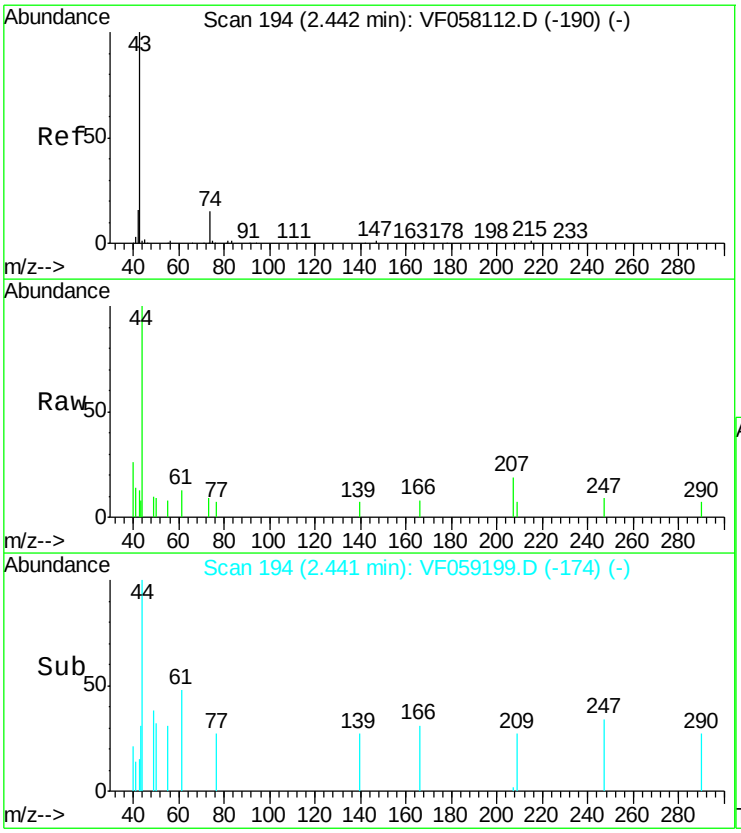
#16
Acetone
Concen: 2.613 ug/l
RT: 2.32 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF059199.D
Acq: 19 Jun 2018 20:06

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 250

Ion	Ratio	Lower	Upper
43	100		
58	0.0	14.4	21.6#

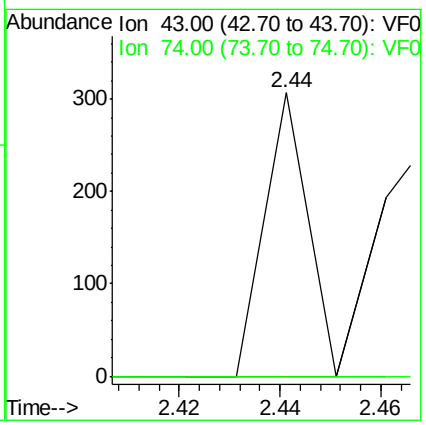


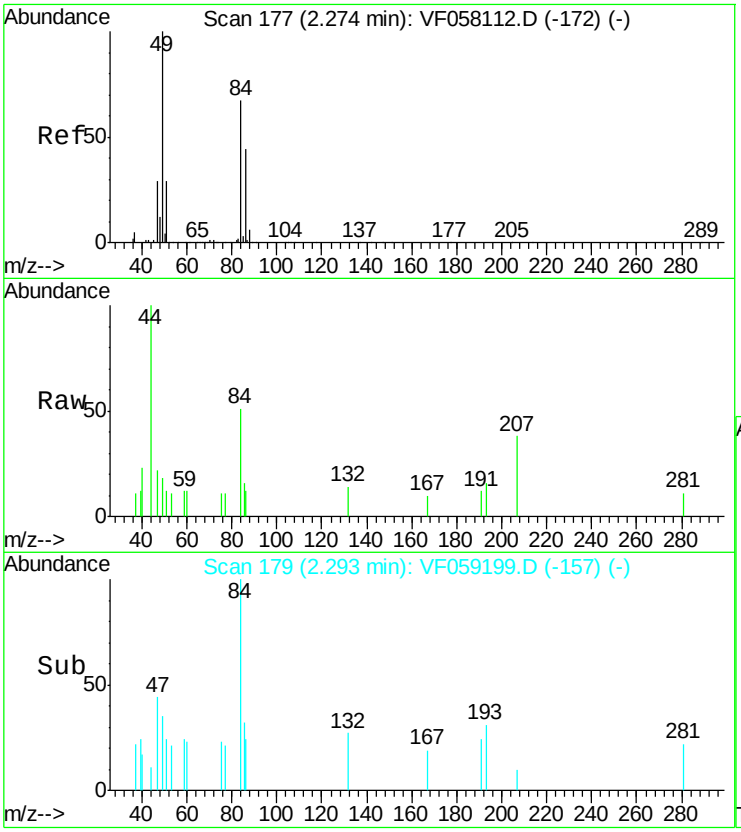


#18
Methyl Acetate
Concen: 1.107 ug/l
RT: 2.44 min Scan# 194
Delta R.T. -0.00 min
Lab File: VF059199.D
Acq: 19 Jun 2018 20:06

Tgt Ion: 43 Resp: 182

Ion	Ratio	Lower	Upper
43	100		
74	0.0	10.9	16.3#



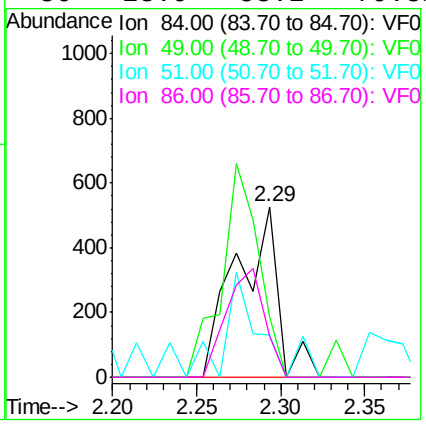


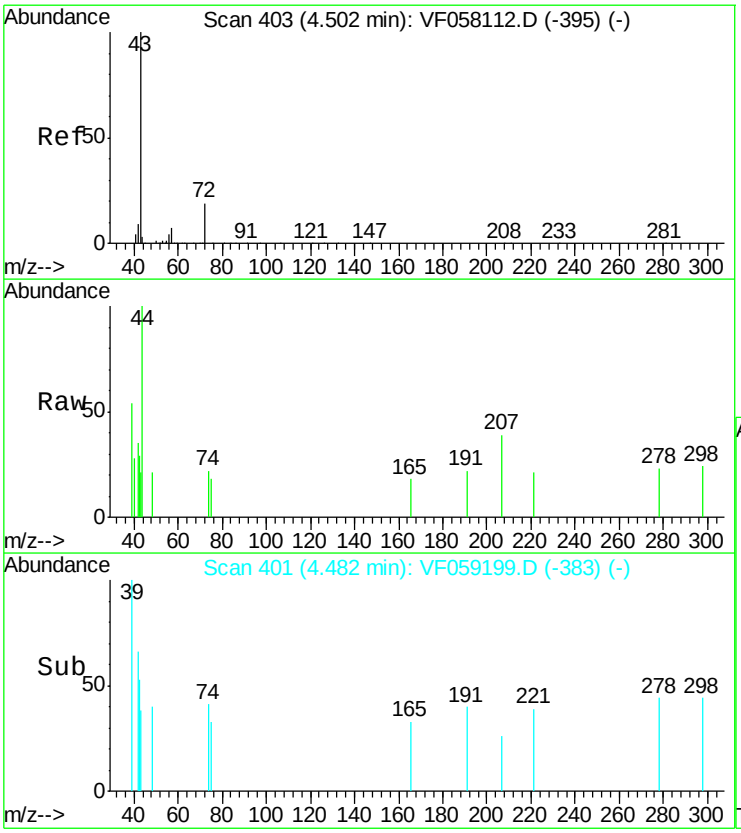
#20
Methylene Chloride
Concen: 4.007 ug/l
RT: 2.29 min Scan# 179
Delta R.T. 0.02 min
Lab File: VF059199.D
Acq: 19 Jun 2018 20:06

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 84 Resp: 918

Ion	Ratio	Lower	Upper
84	100		
49	35.0	121.0	181.4#
51	24.4	35.8	53.6#
86	23.9	53.2	79.8#

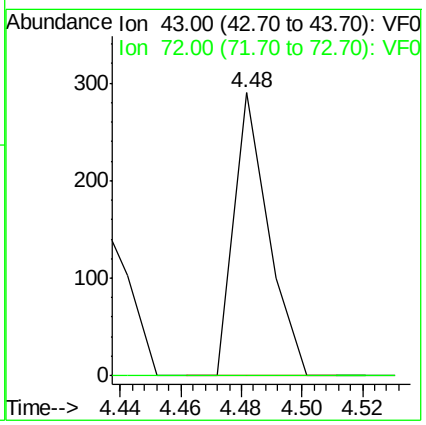


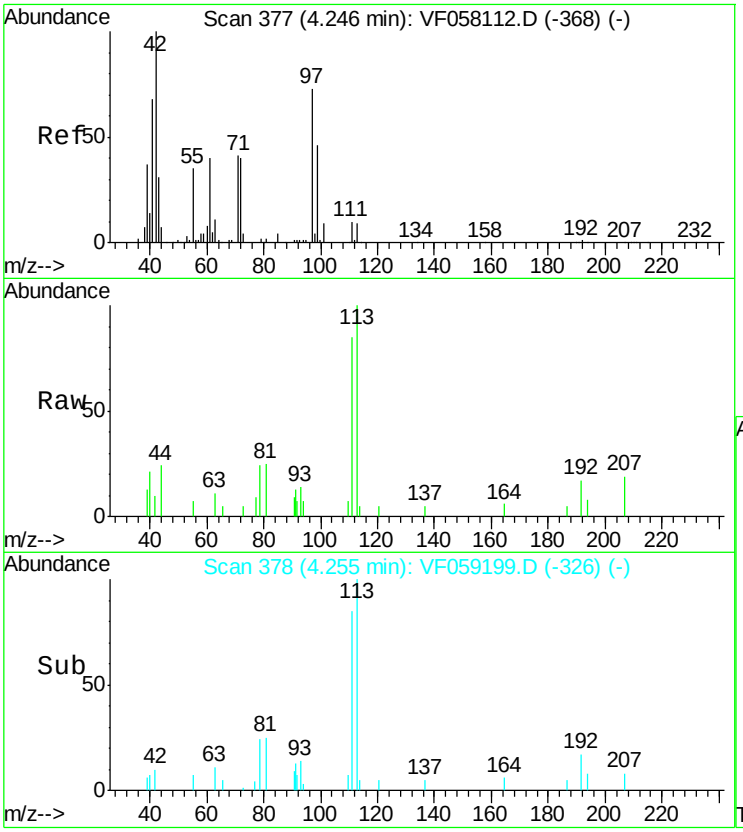


#25
2-Butanone
Concen: 1.557 ug/l
RT: 4.48 min Scan# 401
Delta R.T. -0.02 min
Lab File: VF059199.D
Acq: 19 Jun 2018 20:06

Tgt Ion: 43 Resp: 231

Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.1	24.1#



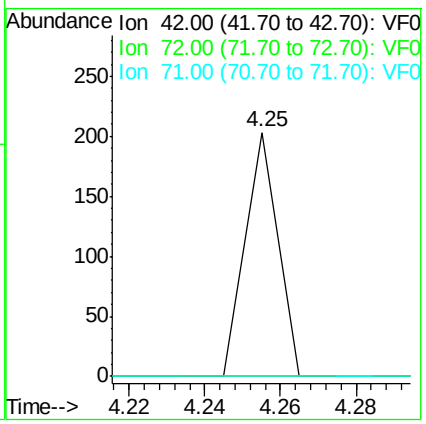


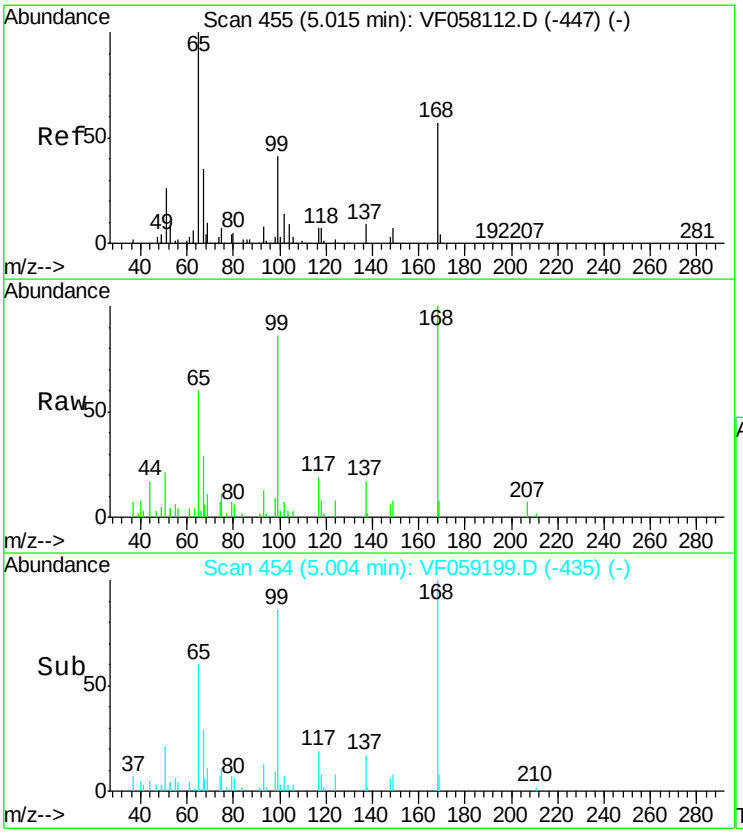
#29
Tetrahydrofuran
Concen: 1.836 ug/l
RT: 4.25 min Scan# 378
Delta R.T. 0.01 min
Lab File: VF059199.D
Acq: 19 Jun 2018 20:06

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 42 Resp: 120

Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.5	45.7#
71	0.0	31.5	47.3#

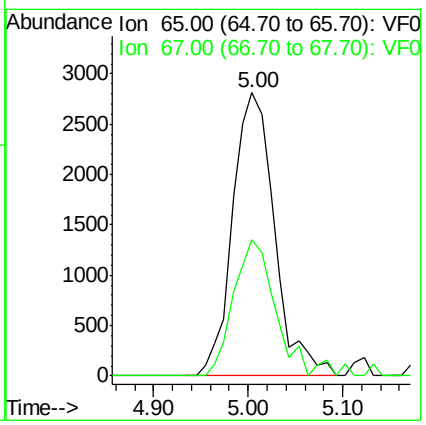


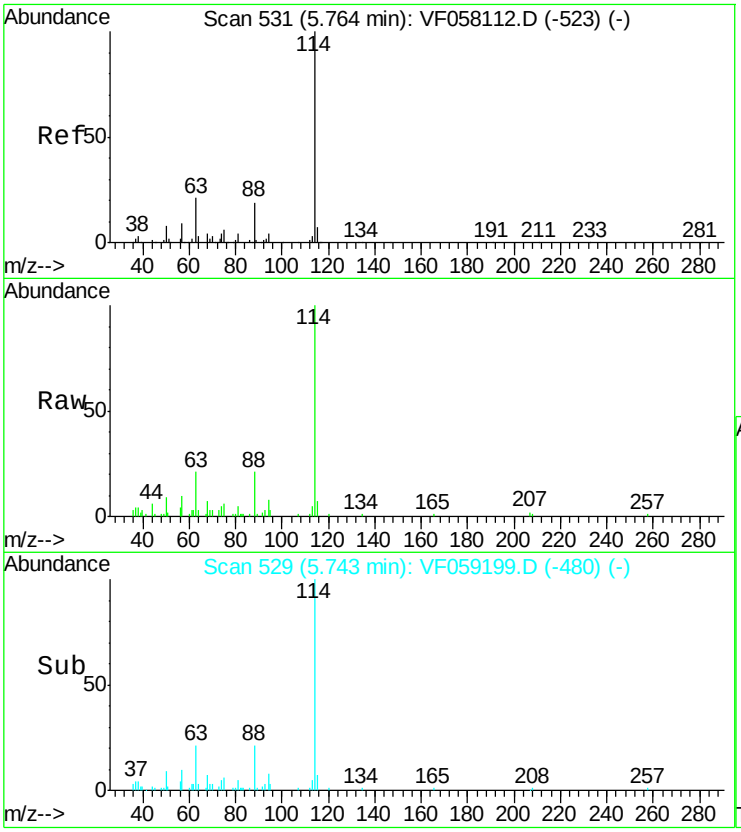


#33
1,2-Dichloroethane-d4
Concen: 21.538 ug/l
RT: 5.00 min Scan# 454
Delta R.T. -0.01 min
Lab File: VF059199.D
Acq: 19 Jun 2018 20:06

Tgt Ion: 65 Resp: 8631

Ion	Ratio	Lower	Upper
65	100		
67	48.2	0.0	97.0



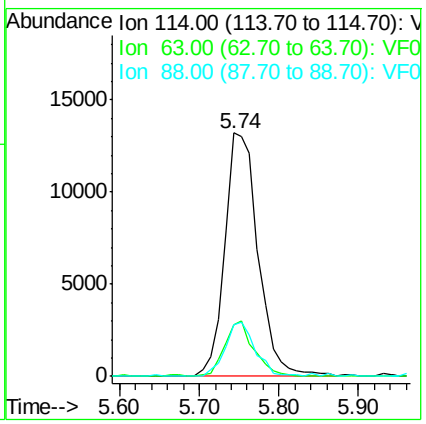


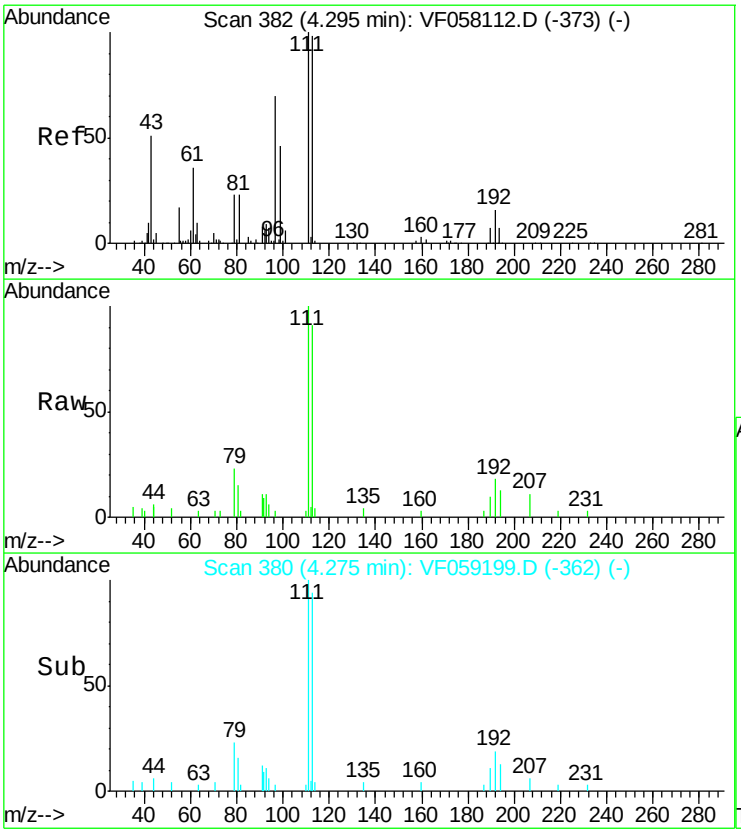
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.74 min Scan# 529
Delta R.T. -0.02 min
Lab File: VF059199.D
Acq: 19 Jun 2018 20:06

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:114 Resp: 38593

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	41.6
88	21.4	0.0	38.8

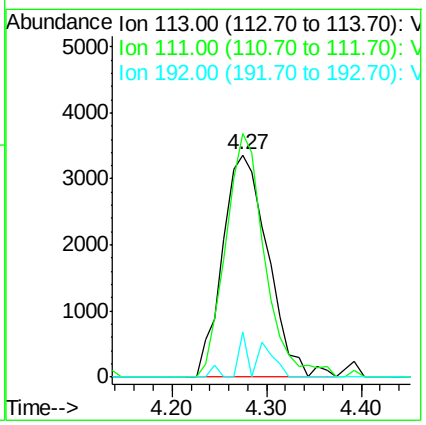


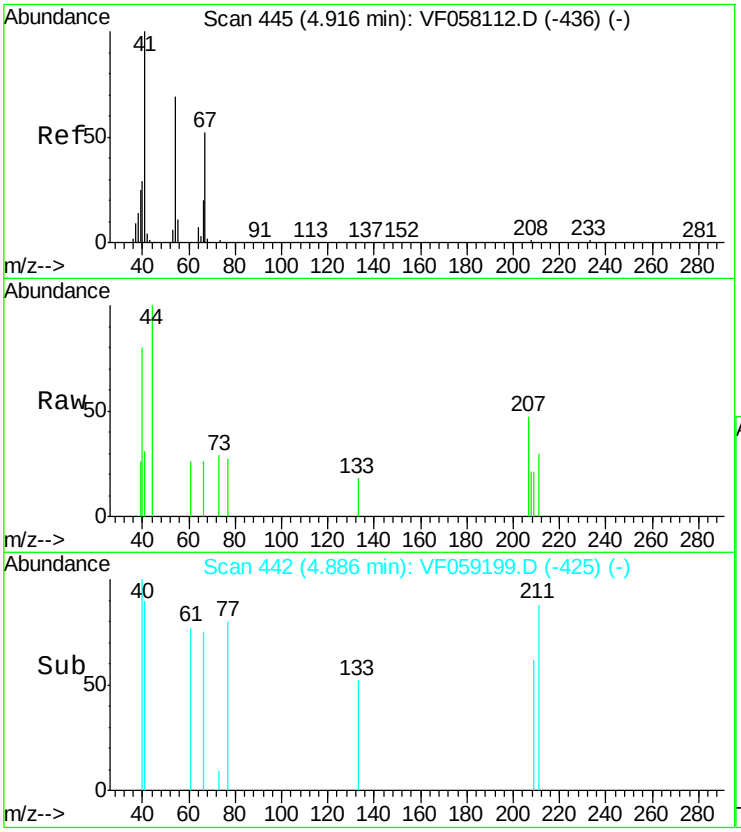


#35
Dibromofluoromethane
Concen: 41.348 ug/l
RT: 4.27 min Scan# 380
Delta R.T. -0.02 min
Lab File: VF059199.D
Acq: 19 Jun 2018 20:06

Tgt Ion:113 Resp: 11197

Ion	Ratio	Lower	Upper
113	100		
111	109.7	81.3	121.9
192	20.2	12.7	19.1#



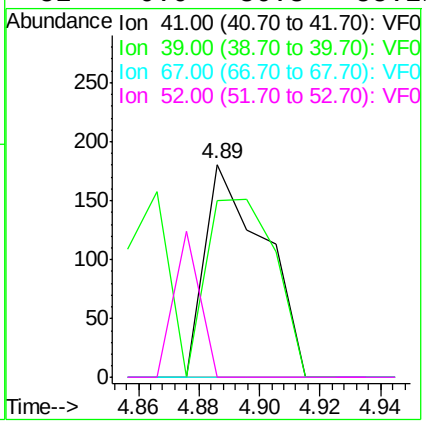


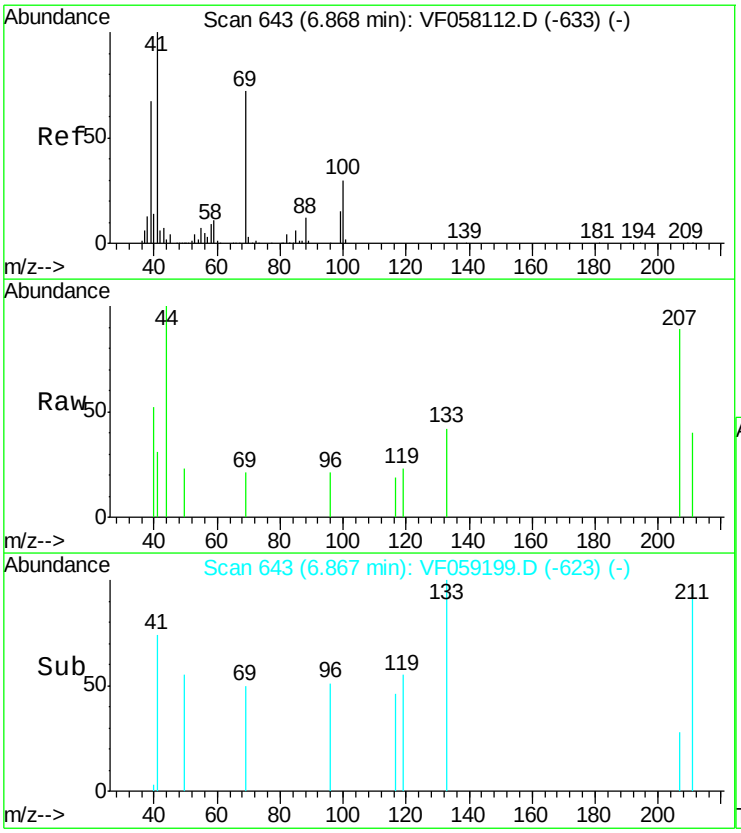
#41
Methacrylonitrile
Concen: 2.184 ug/l
RT: 4.89 min Scan# 442
Delta R.T. -0.03 min
Lab File: VF059199.D
Acq: 19 Jun 2018 20:06

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 41 Resp: 248

Ion	Ratio	Lower	Upper
41	100		
39	82.9	53.0	79.4#
67	0.0	41.0	61.6#
52	0.0	36.8	55.2#

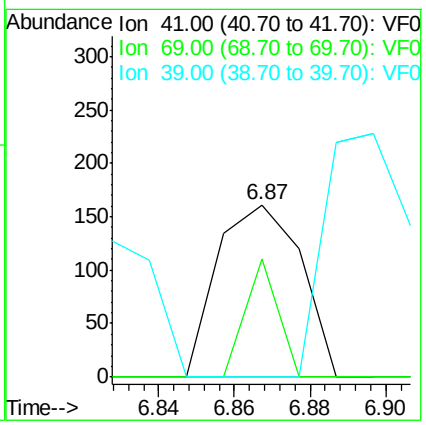


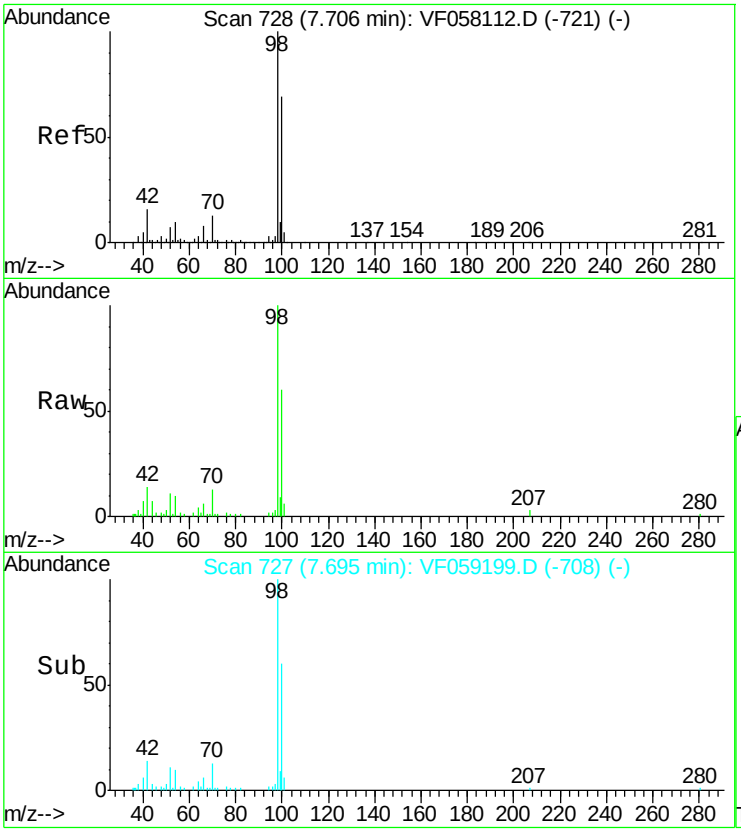


#48
Methyl methacrylate
Concen: 1.284 ug/l
RT: 6.87 min Scan# 643
Delta R.T. -0.00 min
Lab File: VF059199.D
Acq: 19 Jun 2018 20:06

Tgt Ion: 41 Resp: 245

Ion	Ratio	Lower	Upper
41	100		
69	68.3	57.2	85.8
39	0.0	54.3	81.5#



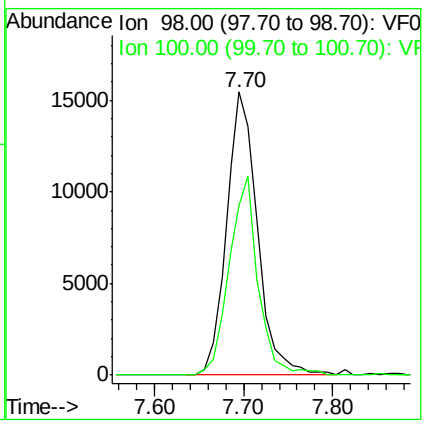


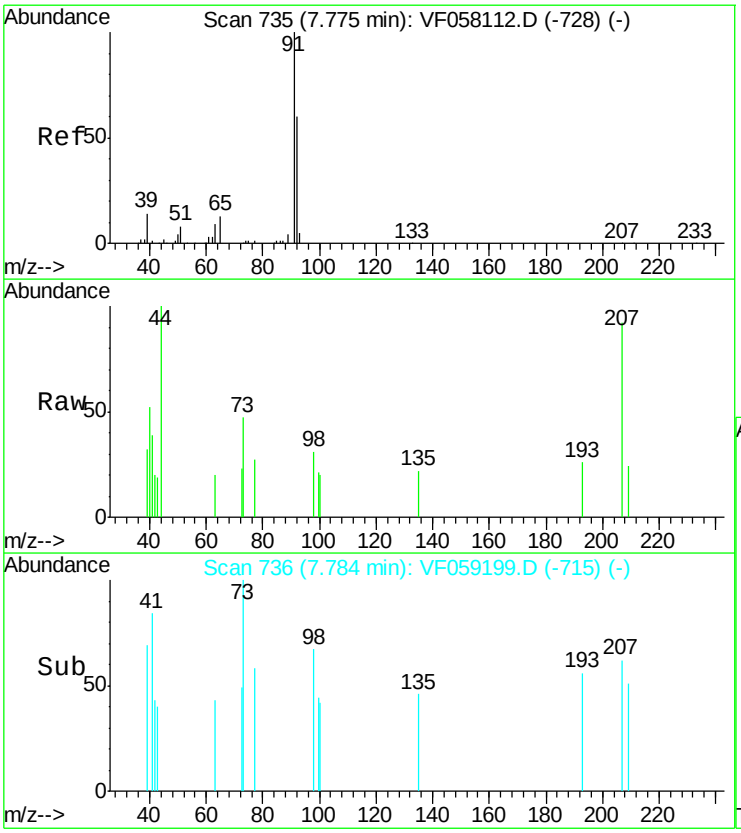
#50
Toluene-d8
Concen: 47.203 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.01 min
Lab File: VF059199.D
Acq: 19 Jun 2018 20:06

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 98 Resp: 37552

Ion	Ratio	Lower	Upper
98	100		
100	59.7	55.6	83.4

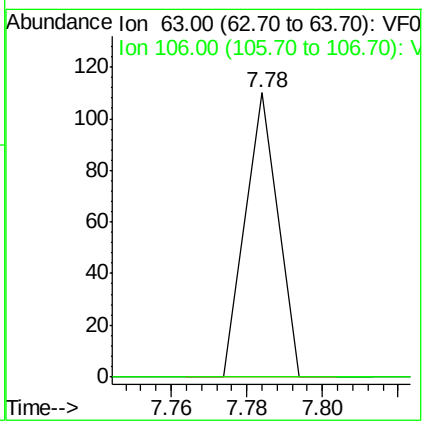


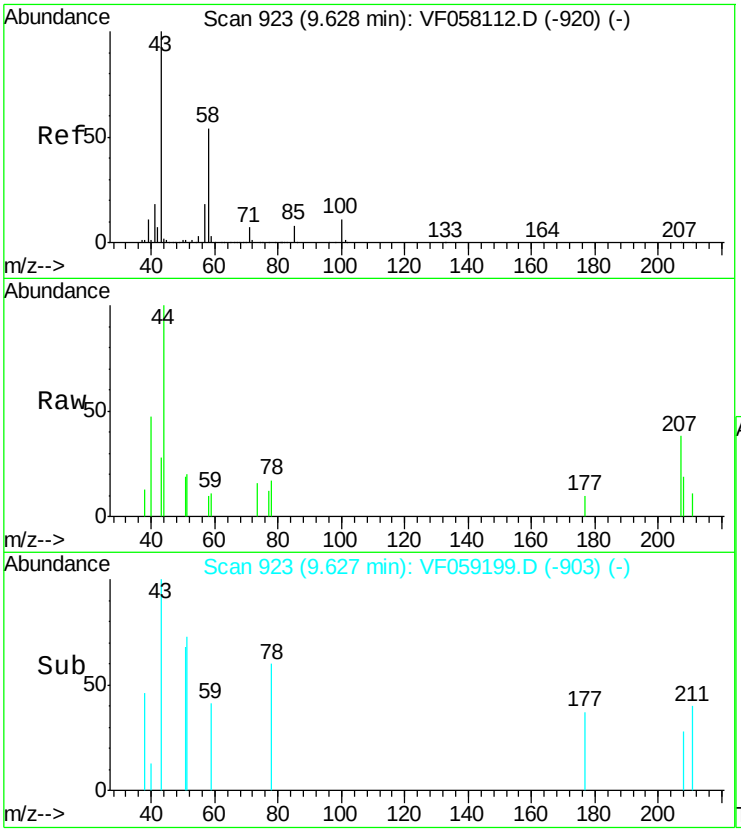


#58
2-Chloroethyl Vinyl ether
Concen: 3.182 ug/l
RT: 7.78 min Scan# 736
Delta R.T. 0.01 min
Lab File: VF059199.D
Acq: 19 Jun 2018 20:06

Tgt Ion: 63 Resp: 65

Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0



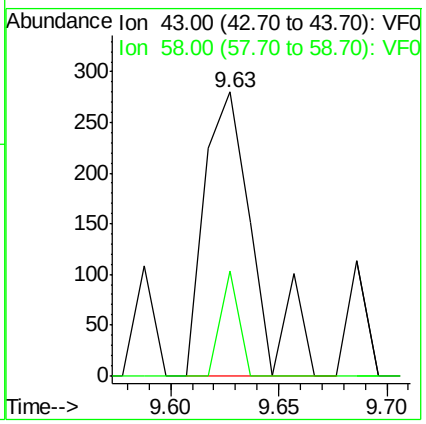


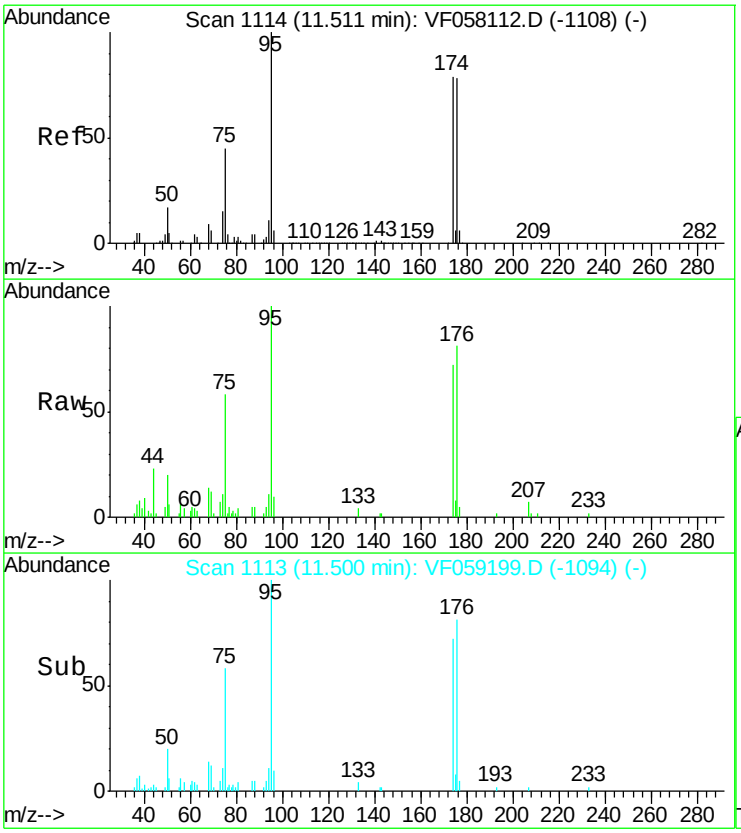
#59
2-Hexanone
Concen: 2.669 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF059199.D
Acq: 19 Jun 2018 20:06

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 448

Ion	Ratio	Lower	Upper
43	100		
58	36.8	26.3	78.8

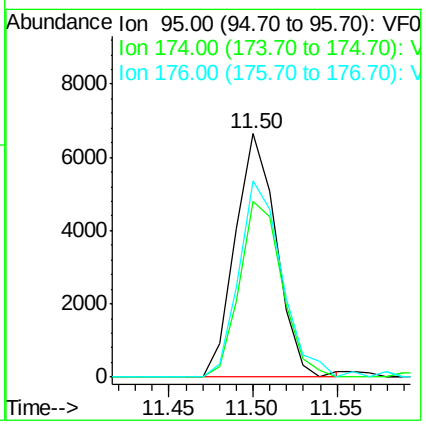


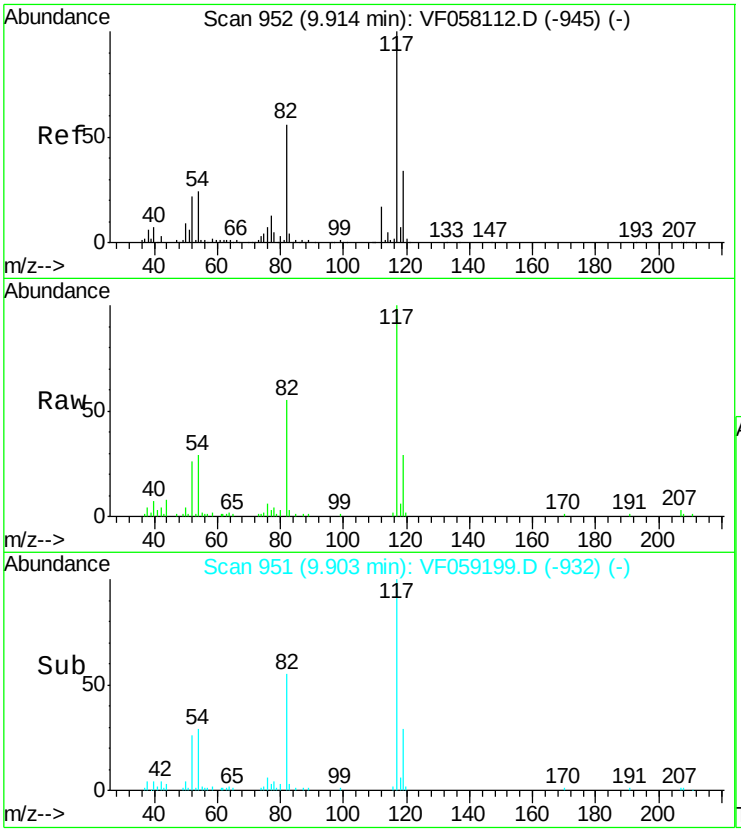


#62
4-Bromofluorobenzene
Concen: 27.608 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VF059199.D
Acq: 19 Jun 2018 20:06

Tgt Ion: 95 Resp: 11265

Ion	Ratio	Lower	Upper
95	100		
174	72.4	0.0	157.8
176	80.8	0.0	155.8



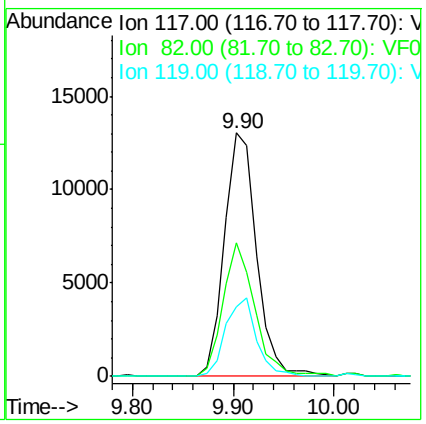


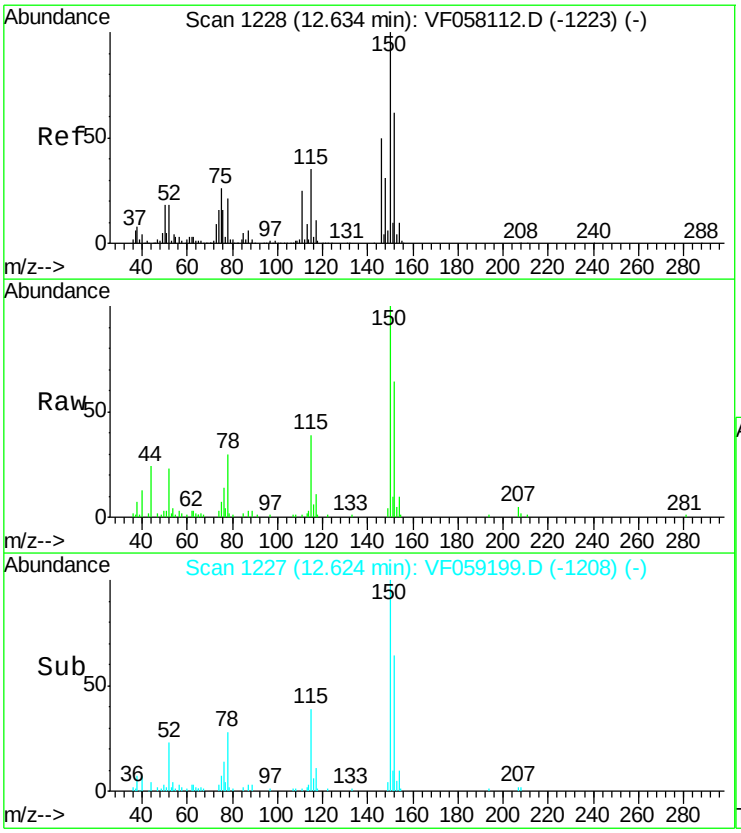
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF059199.D
Acq: 19 Jun 2018 20:06

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion:117 Resp: 28923

Ion	Ratio	Lower	Upper
117	100		
82	54.7	45.2	67.8
119	28.7	27.5	41.3

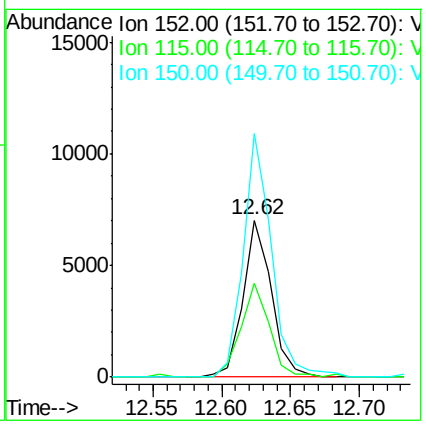


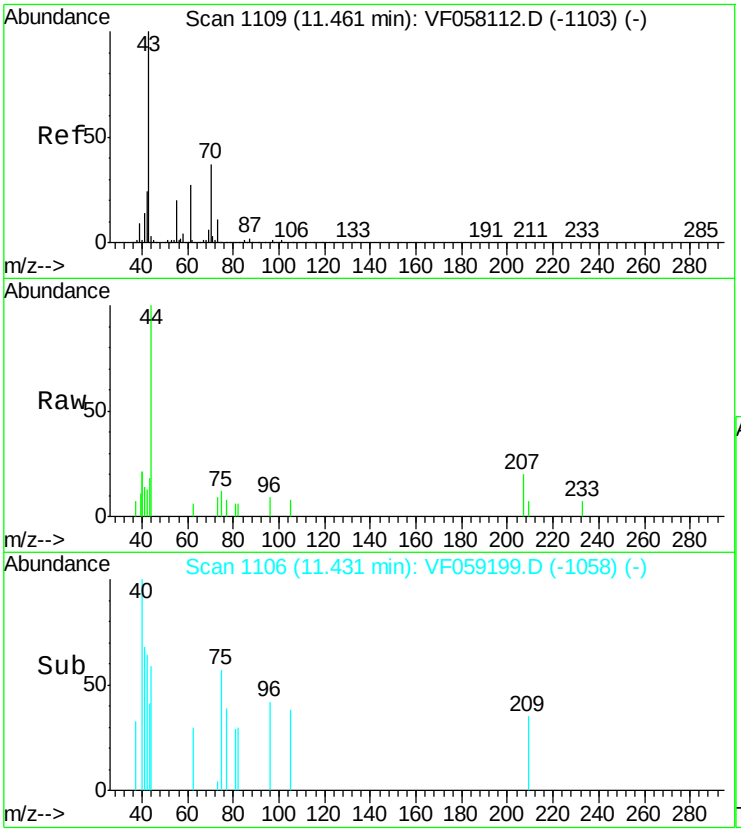


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF059199.D
Acq: 19 Jun 2018 20:06

Tgt Ion:152 Resp: 10161

Ion	Ratio	Lower	Upper
152	100		
115	60.0	28.5	85.5
150	155.5	0.0	323.8



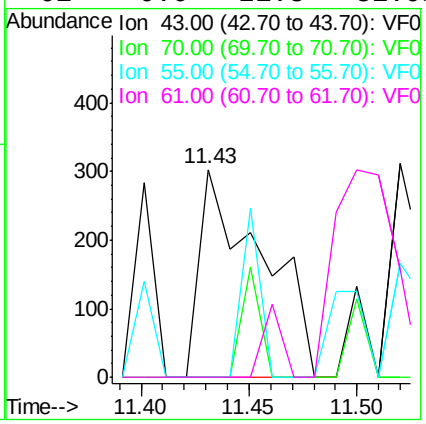


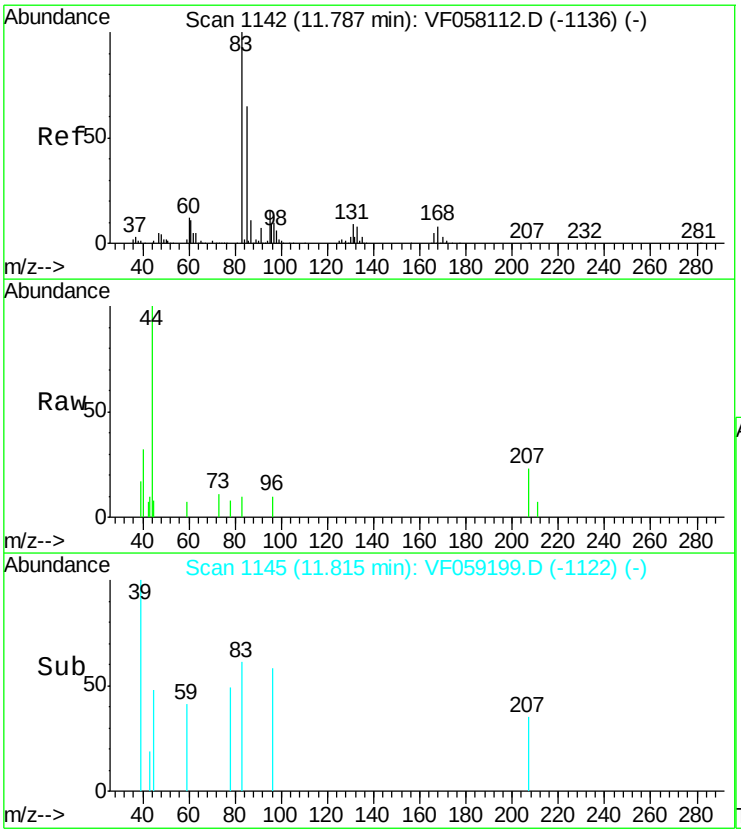
#74
N-amyl acetate
Concen: 2.408 ug/l
RT: 11.43 min Scan# 1106
Delta R.T. -0.03 min
Lab File: VF059199.D
Acq: 19 Jun 2018 20:06

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 605

Ion	Ratio	Lower	Upper
43	100		
70	0.0	29.2	43.8#
55	0.0	15.8	23.6#
61	0.0	21.3	31.9#

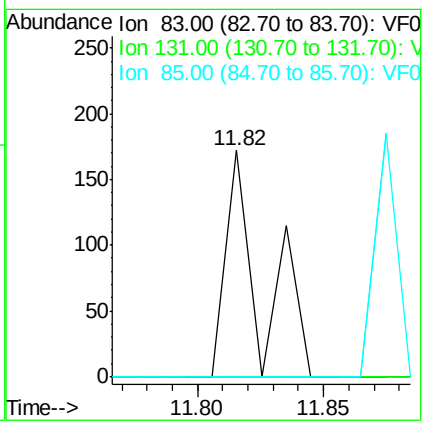


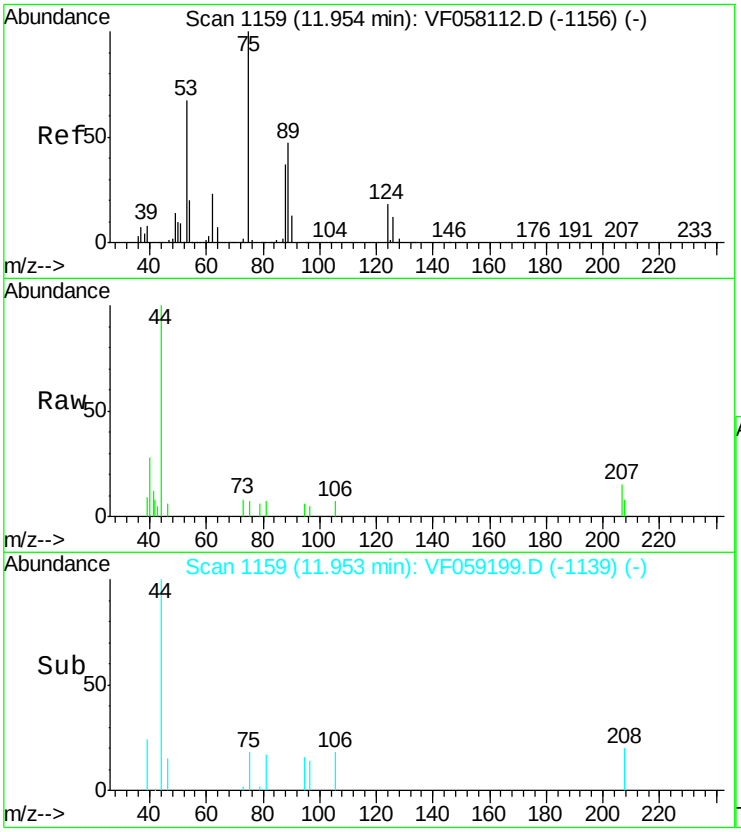


#75
1,1,2,2-Tetrachloroethane
Concen: 1.019 ug/l
RT: 11.82 min Scan# 1145
Delta R.T. 0.03 min
Lab File: VF059199.D
Acq: 19 Jun 2018 20:06

Tgt Ion: 83 Resp: 170

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.5	13.7#
85	0.0	32.8	98.3#



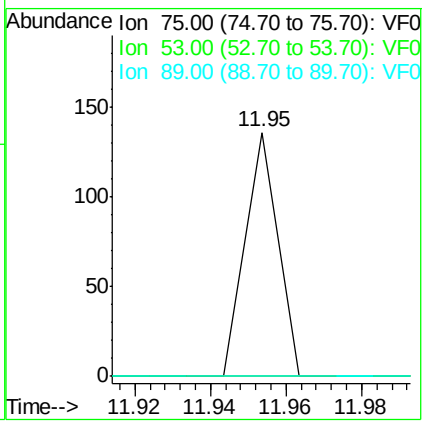


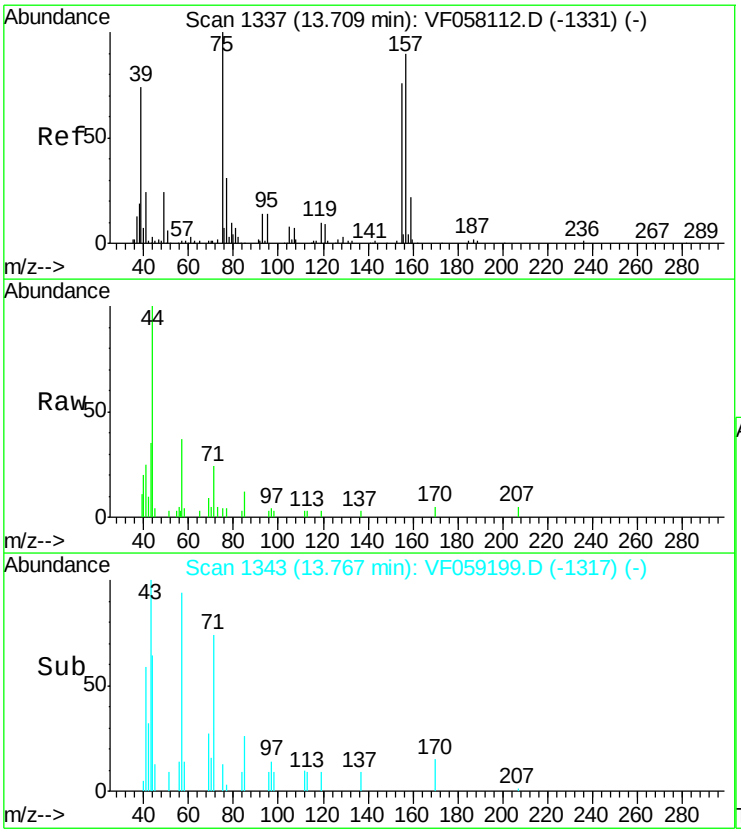
#81
trans-1,4-Dichloro-2-butene
Concen: 1.002 ug/l
RT: 11.95 min Scan# 1159
Delta R.T. -0.00 min
Lab File: VF059199.D
Acq: 19 Jun 2018 20:06

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 75 Resp: 80

Ion	Ratio	Lower	Upper
75	100		
53	0.0	58.7	88.1#
89	0.0	39.8	59.6#





#92
1,2-Dibromo-3-Chloropropane
Concen: 2.873 ug/l
RT: 13.77 min Scan# 1343
Delta R.T. 0.06 min
Lab File: VF059199.D
Acq: 19 Jun 2018 20:06

Tgt Ion: 75 Resp: 94

Ion	Ratio	Lower	Upper
75	100		
155	0.0	38.0	114.0#
157	0.0	45.1	135.5#