Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012819\
Data File : VF061540.D
Acq On : 28 Jan 2019 16:25
Operator : VA/AP
Sample : K1016-11
Misc : 6.87g/5mL/MSVOA-F/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : TR-05-012819

Quant Time: Jan 29 03:56:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	228376	50.00 ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	440561	50.00 ug/l	0.00
63) Chlorobenzene-d5	9.77	117	372291	50.00 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	170561	50.00 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	4.84	65	115152	40.84 ug/l	0.00
Spiked Amount 50.000			Recovery =	81.68%	
35) Dibromofluoromethane	4.11	113	134598	38.72 ug/l	0.00
Spiked Amount 50.000			Recovery =	77.44%	
50) Toluene-d8	7.55	98	320785	33.68 ug/l	0.00
Spiked Amount 50.000			Recovery =	67.36%	
62) 4-Bromofluorobenzene	11.41	95	140262	31.52 ug/l	0.00
Spiked Amount 50.000			Recovery =	63.04%	

Target Compounds	R.T.	QIon	Response	Conc Units	Qvalue
11) Tert butyl alcohol	2.57	59	343	2.874 ug/l #	64
13) Acrolein	2.02	56	258	12.743 ug/l #	1
14) Allyl chloride	2.10	41	627	Below Cal #	84
15) Acrylonitrile	2.93	53	473	1.547 ug/l #	14
16) Acetone	2.23	43	21247	37.562 ug/l	98
18) Methyl Acetate	2.23	43	21247	18.941 ug/l #	61
23) Vinyl Acetate	3.16	43	452	3.334 ug/l #	78
25) 2-Butanone	4.33	43	4182	4.446 ug/l	97
29) Tetrahydrofuran	4.10	42	2225	5.493 ug/l #	38
51) 4-Methyl-2-Pentanone	8.26	43	3283	1.743 ug/l	92
59) 2-Hexanone	9.49	43	1613	1.228 ug/l #	61
84) 1,2,4-Trimethylbenzene	12.20	105	18534	1.607 ug/l	83
95) Naphthalene	14.46	128	9100	1.248 ug/l #	46

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

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TR-05-012819

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
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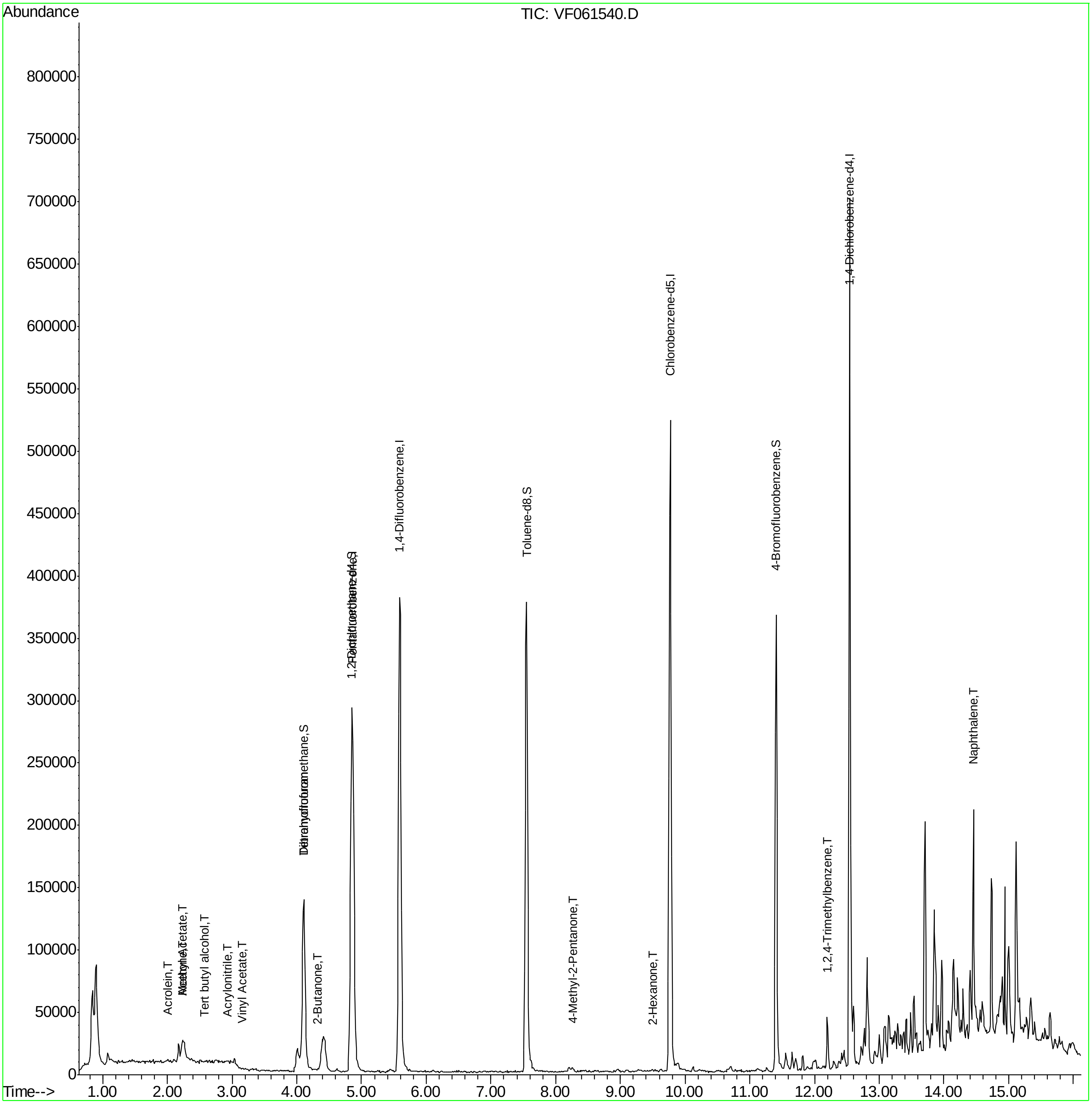
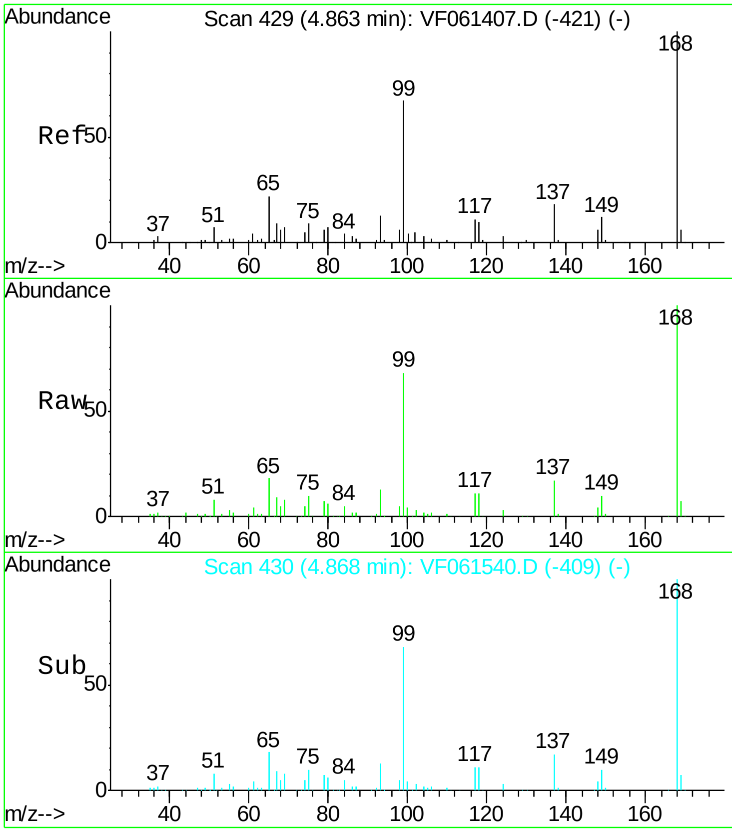


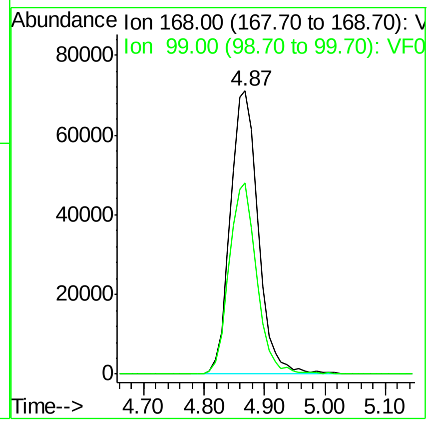


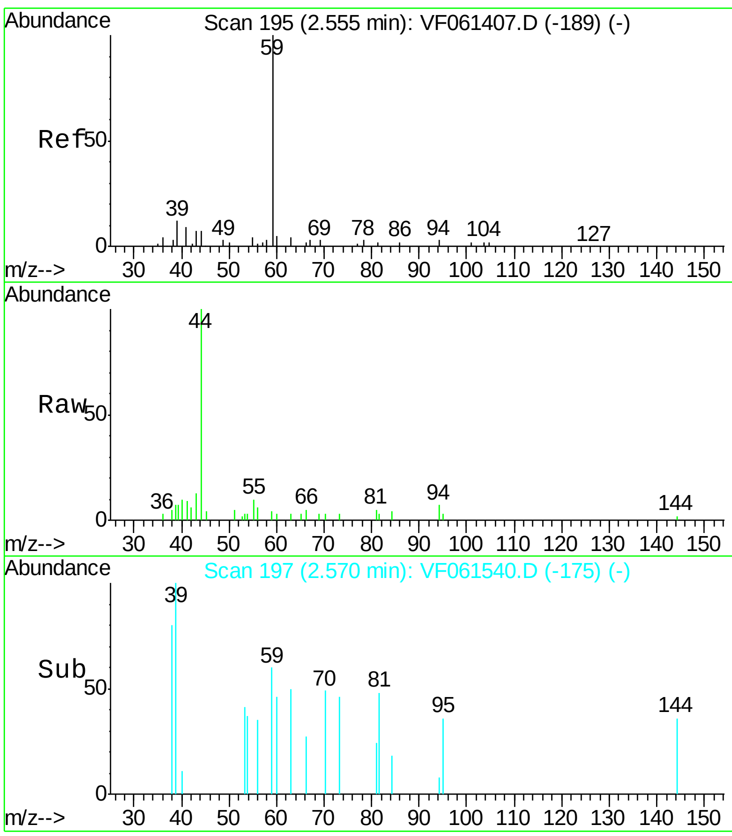
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.87 min Scan# 430
Delta R.T. 0.00 min
Lab File: VF061540.D
Acq: 28 Jan 2019 16:25

Instrument :
MSVOA_F
ClientSampleId :
TR-05-012819

Tgt Ion:168 Resp: 228376

Ion	Ratio	Lower	Upper
168	100		
99	67.7	53.5	80.3

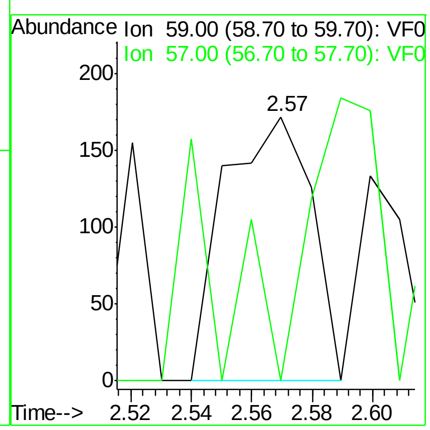


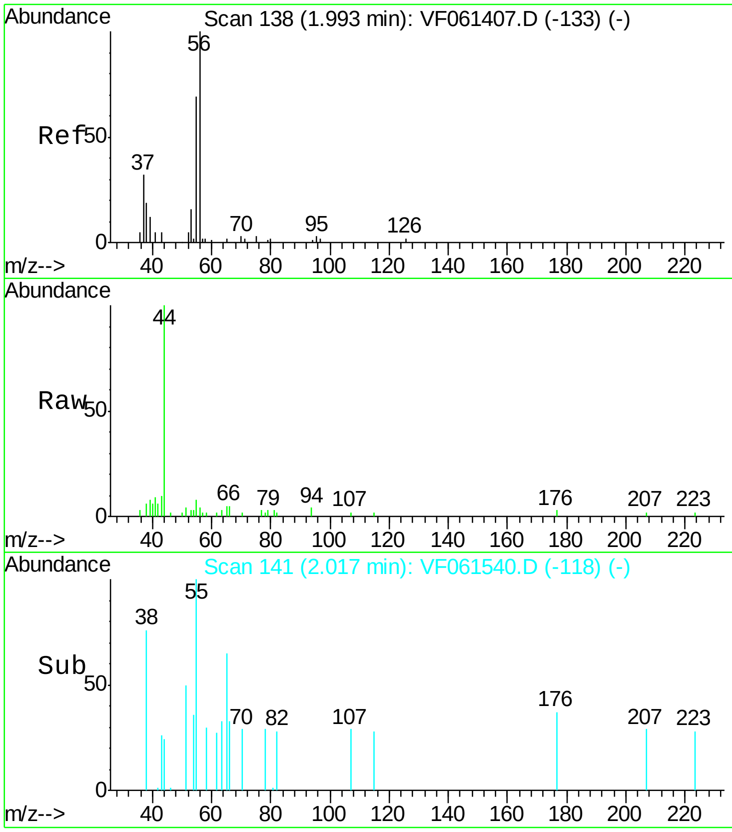


#11
Tert butyl alcohol
Concen: 2.874 ug/l
RT: 2.57 min Scan# 197
Delta R.T. 0.01 min
Lab File: VF061540.D
Acq: 28 Jan 2019 16:25

Tgt Ion: 59 Resp: 343

Ion	Ratio	Lower	Upper
59	100		
57	0.0	11.9	17.9#

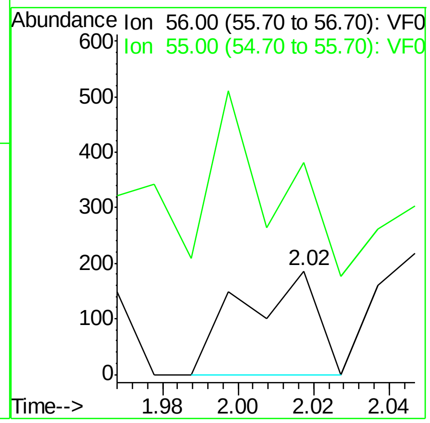


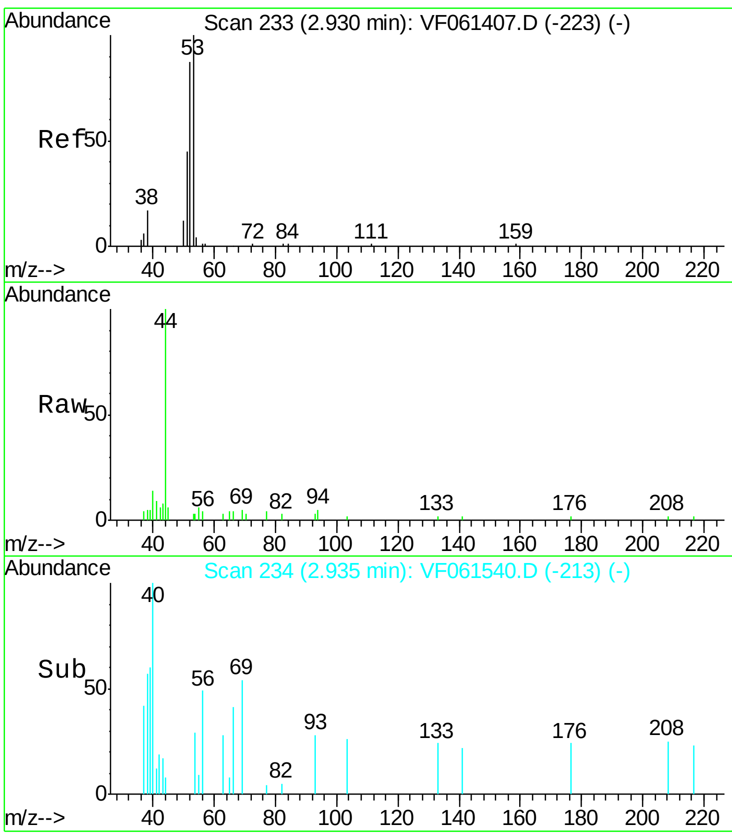


#13
Acrolein
Concen: 12.743 ug/l
RT: 2.02 min Scan# 141
Delta R.T.   0.03 min
Lab File: VF061540.D
Acq: 28 Jan 2019 16:25

Instrument :
MSVOA_F
ClientSampleId :
TR-05-012819

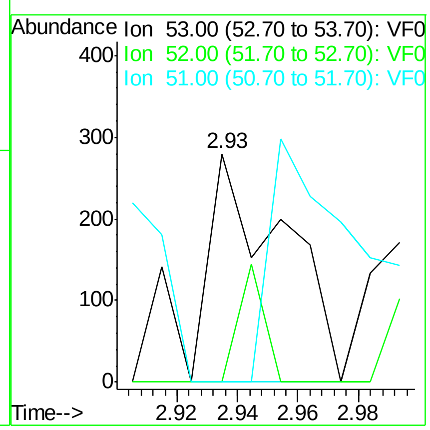
Tgt Ion: 56	Resp:		258
Ion	Ratio	Lower	Upper
56	100		
55	204.8	57.5	86.3#

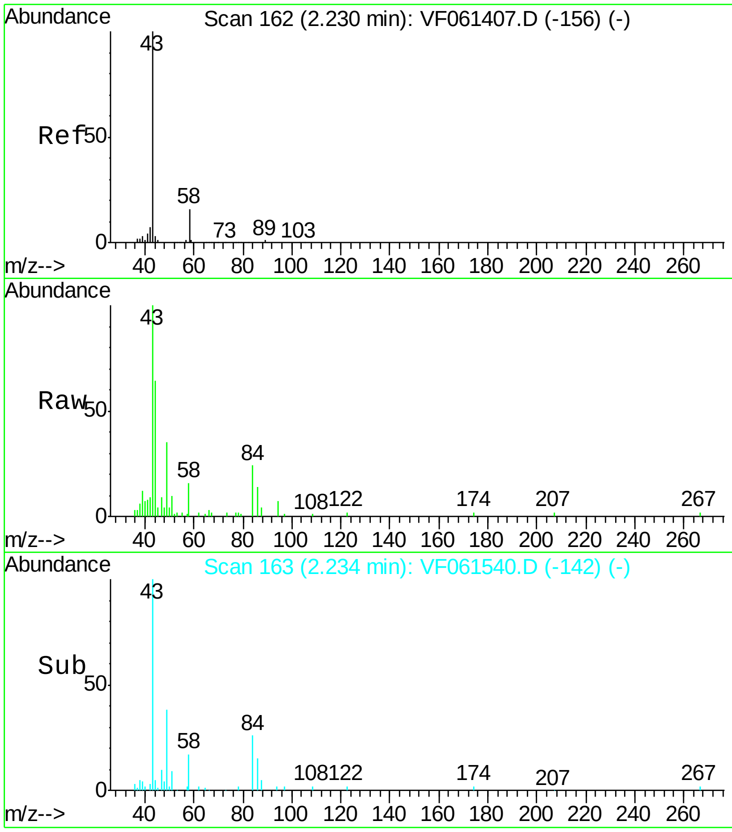




#15
Acrylonitrile
Concen: 1.547 ug/l
RT: 2.93 min Scan# 234
Delta R.T.   0.00 min
Lab File: VF061540.D
Acq: 28 Jan 2019 16:25

Tgt Ion: 53	Resp:		473
Ion	Ratio	Lower	Upper
53	100		
52	0.0	69.6	104.4#
51	0.0	36.8	55.2#



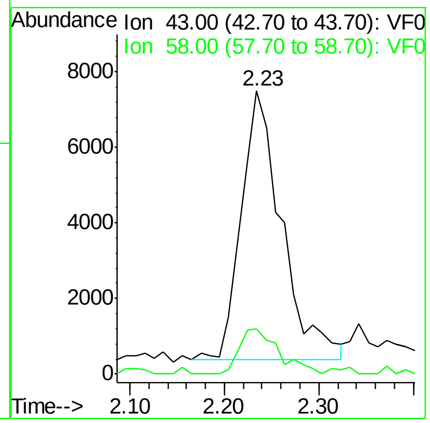


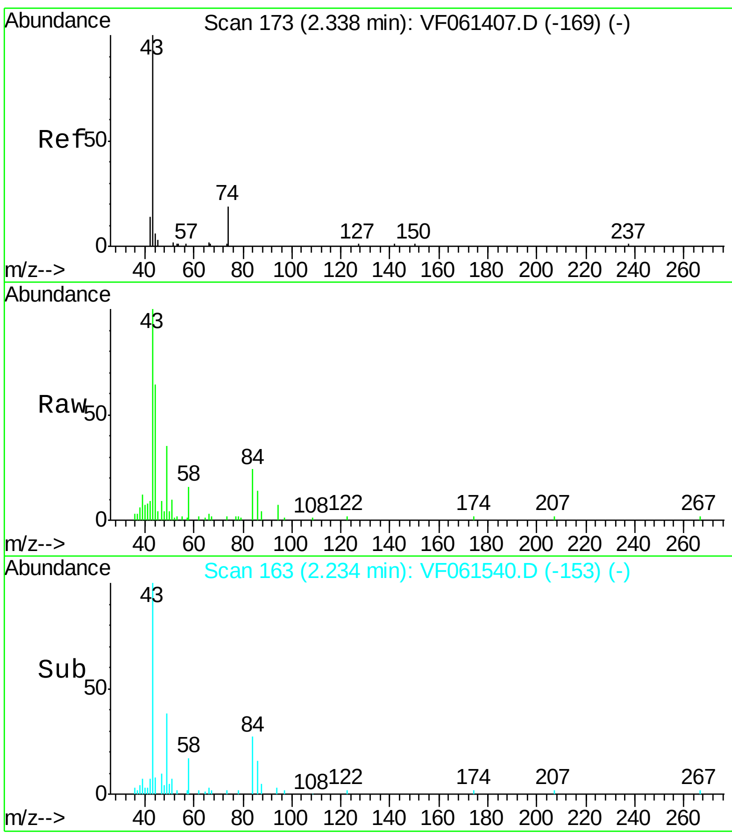
#16
Acetone
Concen: 37.562 ug/l
RT: 2.23 min Scan# 163
Delta R.T. 0.00 min
Lab File: VF061540.D
Acq: 28 Jan 2019 16:25

Instrument :
MSVOA_F
ClientSampleId :
TR-05-012819

Tgt Ion: 43 Resp: 21247

Ion	Ratio	Lower	Upper
43	100		
58	15.9	13.3	19.9

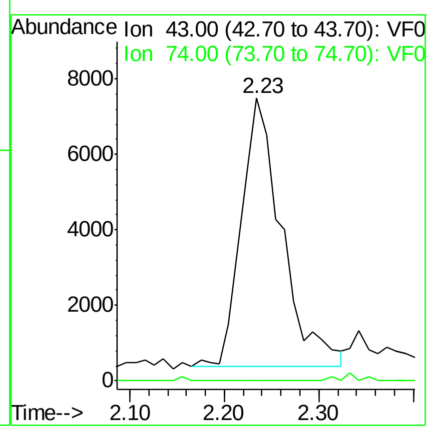


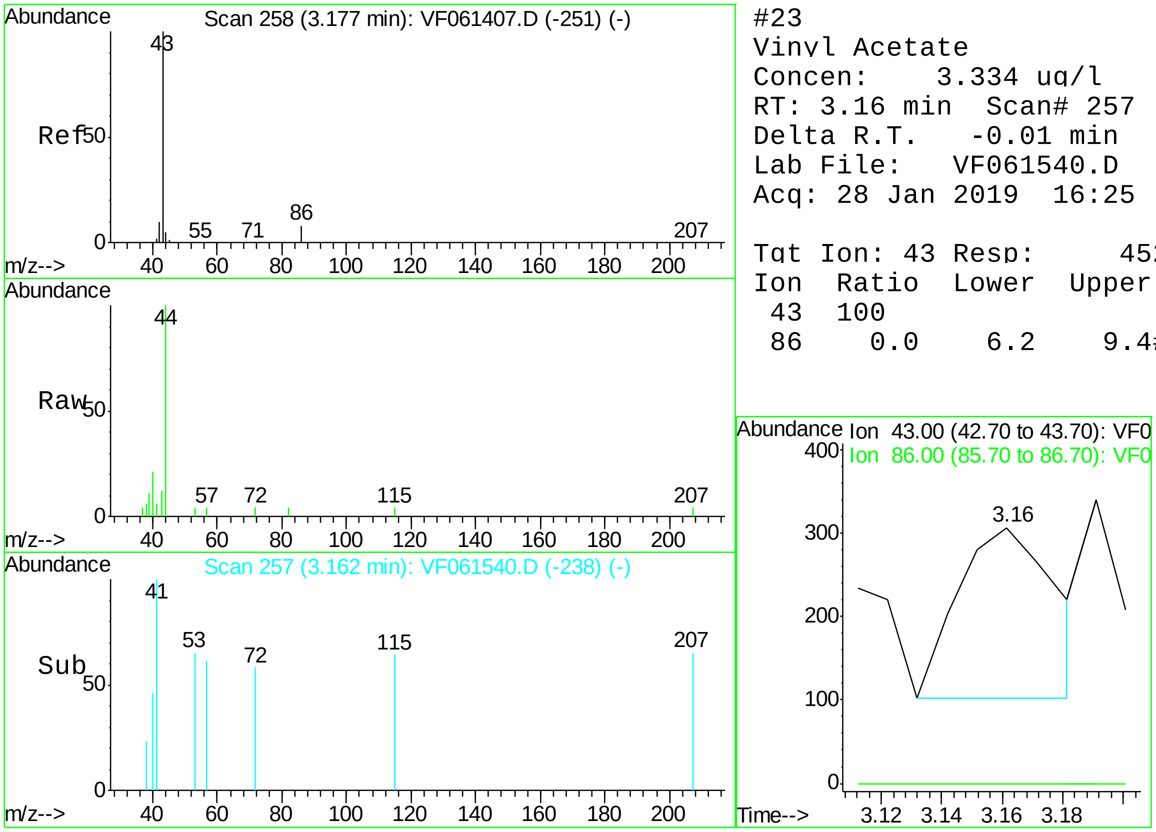


#18
Methyl Acetate
Concen: 18.941 ug/l
RT: 2.23 min Scan# 163
Delta R.T. -0.10 min
Lab File: VF061540.D
Acq: 28 Jan 2019 16:25

Tgt Ion: 43 Resp: 21247

Ion	Ratio	Lower	Upper
43	100		
74	0.0	13.4	20.0#



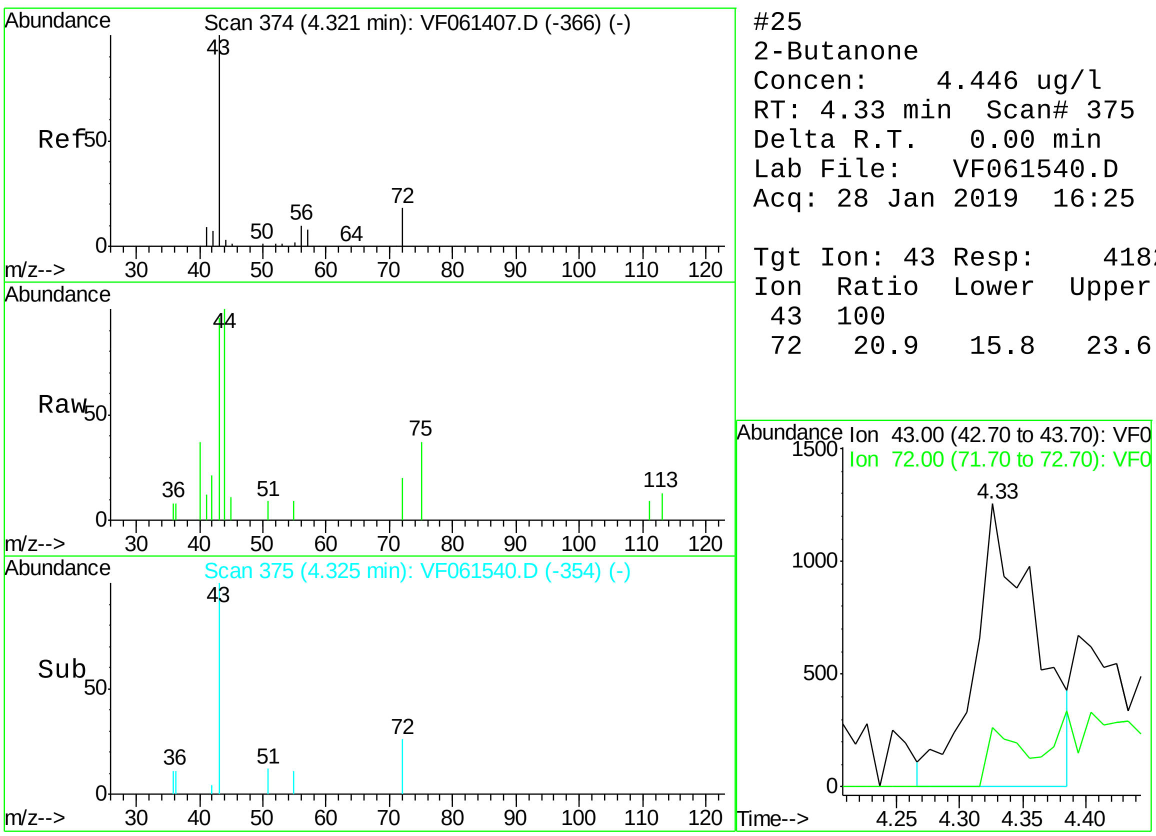


#23
Vinyl Acetate
Concen: 3.334 ug/l
RT: 3.16 min Scan# 257
Delta R.T. -0.01 min
Lab File: VF061540.D
Acq: 28 Jan 2019 16:25

Instrument :
MSVOA_F
ClientSampleId :
TR-05-012819

Tgt Ion: 43 Resp: 452

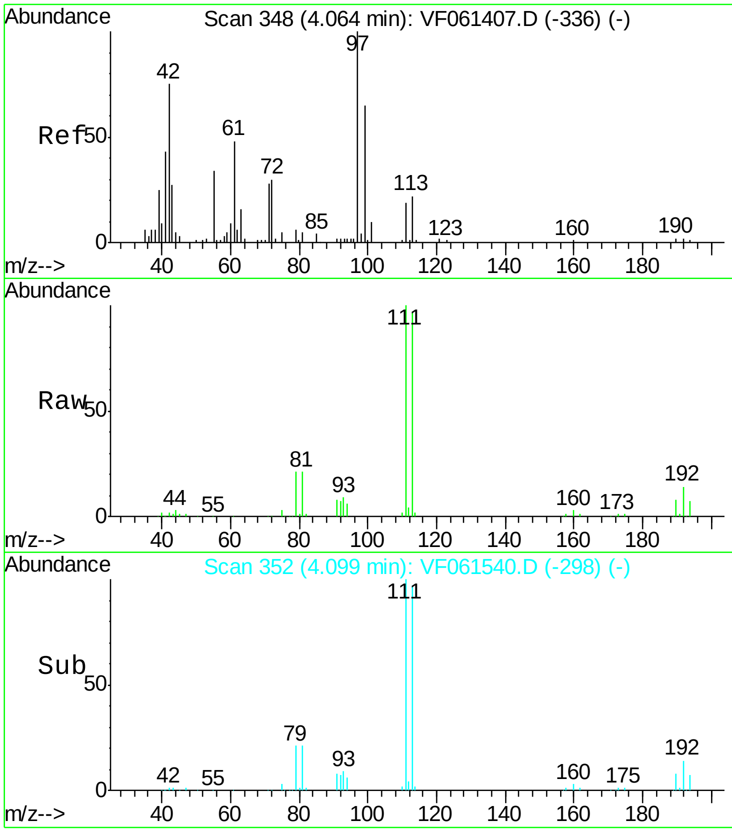
Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.2	9.4#



#25
2-Butanone
Concen: 4.446 ug/l
RT: 4.33 min Scan# 375
Delta R.T. 0.00 min
Lab File: VF061540.D
Acq: 28 Jan 2019 16:25

Tgt Ion: 43 Resp: 4182

Ion	Ratio	Lower	Upper
43	100		
72	20.9	15.8	23.6

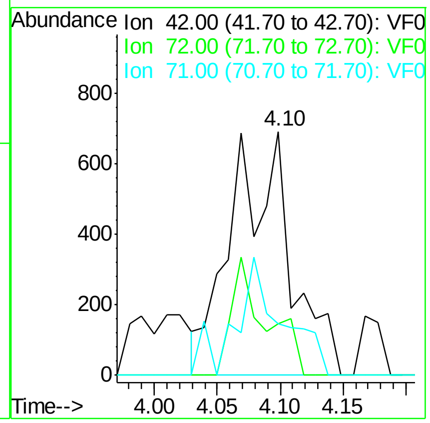


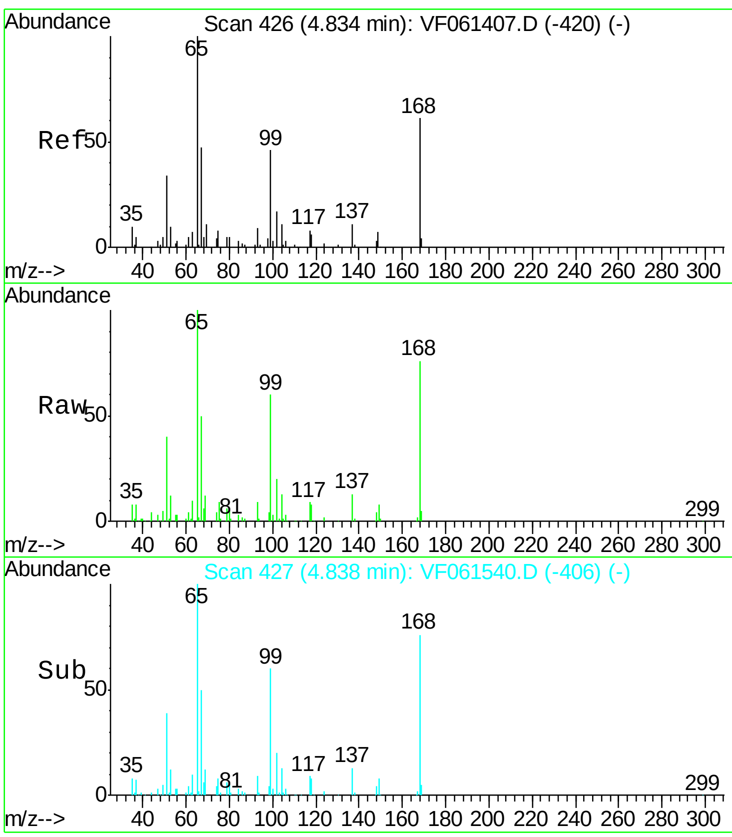
#29
Tetrahydrofuran
Concen: 5.493 ug/l
RT: 4.10 min Scan# 352
Delta R.T. 0.03 min
Lab File: VF061540.D
Acq: 28 Jan 2019 16:25

Instrument :
MSVOA_F
ClientSampleId :
TR-05-012819

Tgt Ion: 42 Resp: 2225

Ion	Ratio	Lower	Upper
42	100		
72	0.0	28.9	43.3#
71	0.0	29.6	44.4#

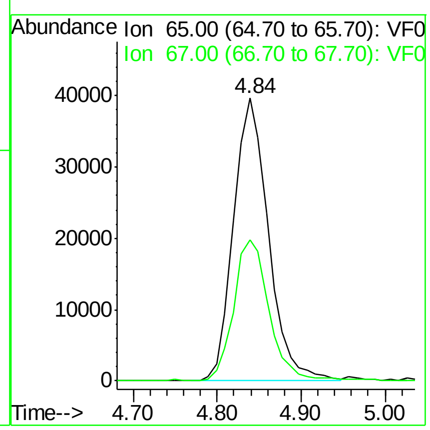


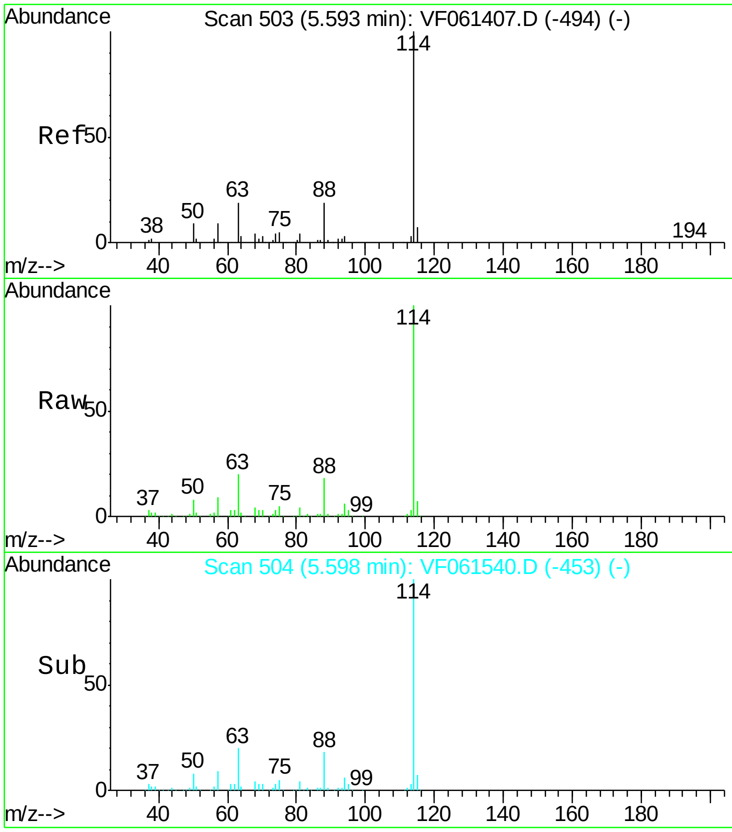


#33
1,2-Dichloroethane-d4
Concen: 40.840 ug/l
RT: 4.84 min Scan# 427
Delta R.T. 0.00 min
Lab File: VF061540.D
Acq: 28 Jan 2019 16:25

Tgt Ion: 65 Resp: 115152

Ion	Ratio	Lower	Upper
65	100		
67	49.8	0.0	99.8



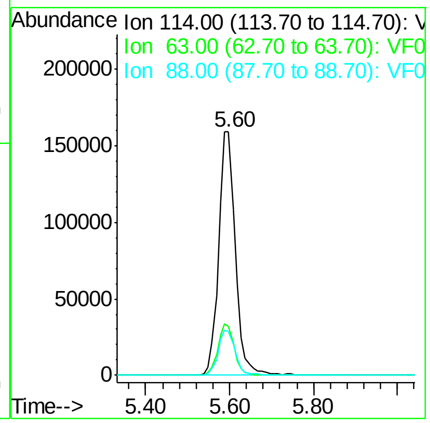


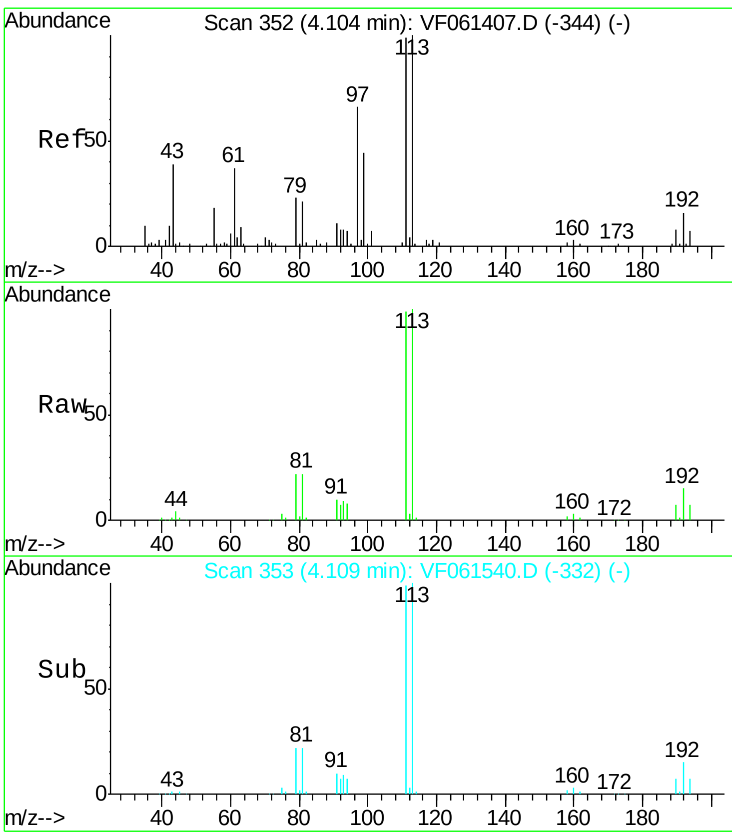
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.60 min Scan# 504
Delta R.T. 0.00 min
Lab File: VF061540.D
Acq: 28 Jan 2019 16:25

Instrument :
MSVOA_F
ClientSampleId :
TR-05-012819

Tgt Ion:114 Resp: 440561

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	39.0
88	18.0	0.0	37.4

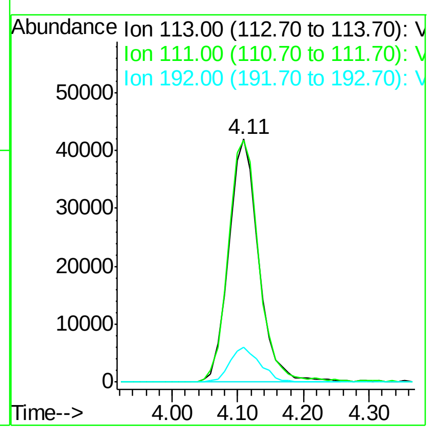


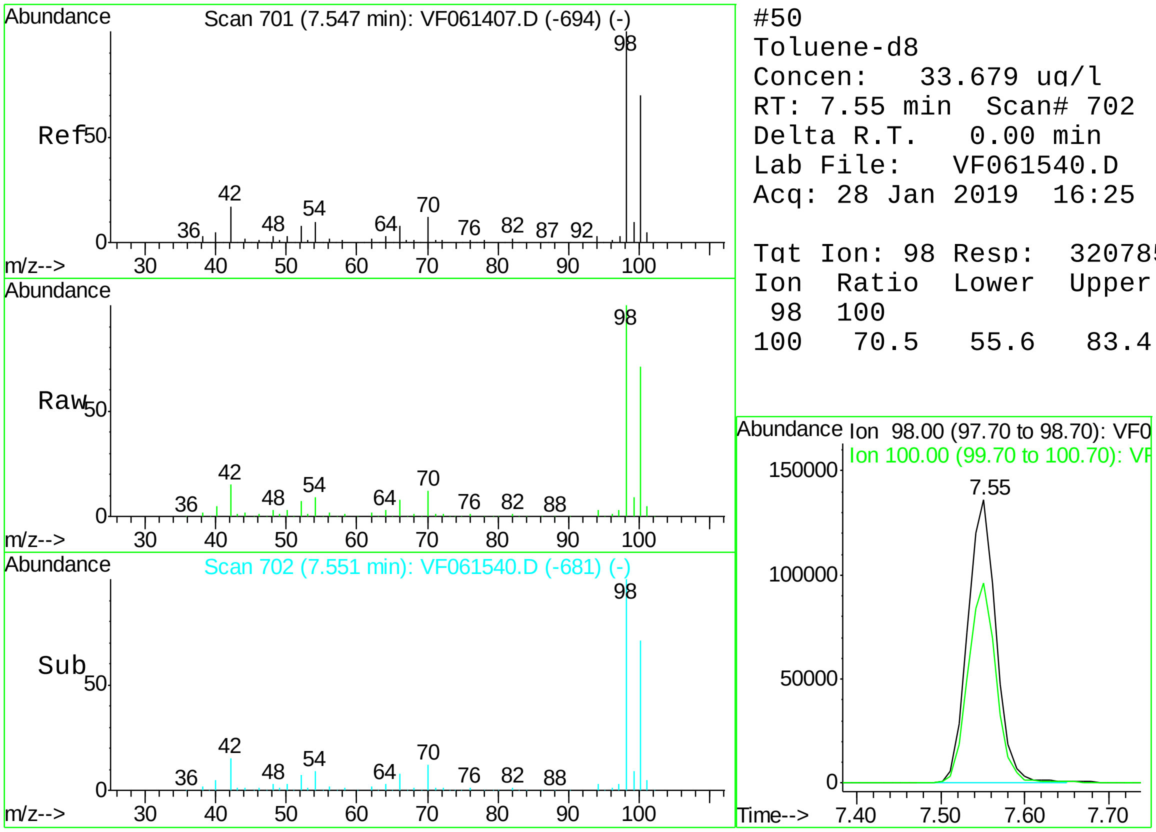


#35
Dibromofluoromethane
Concen: 38.718 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.00 min
Lab File: VF061540.D
Acq: 28 Jan 2019 16:25

Tgt Ion:113 Resp: 134598

Ion	Ratio	Lower	Upper
113	100		
111	99.4	79.4	119.0
192	14.6	12.4	18.6



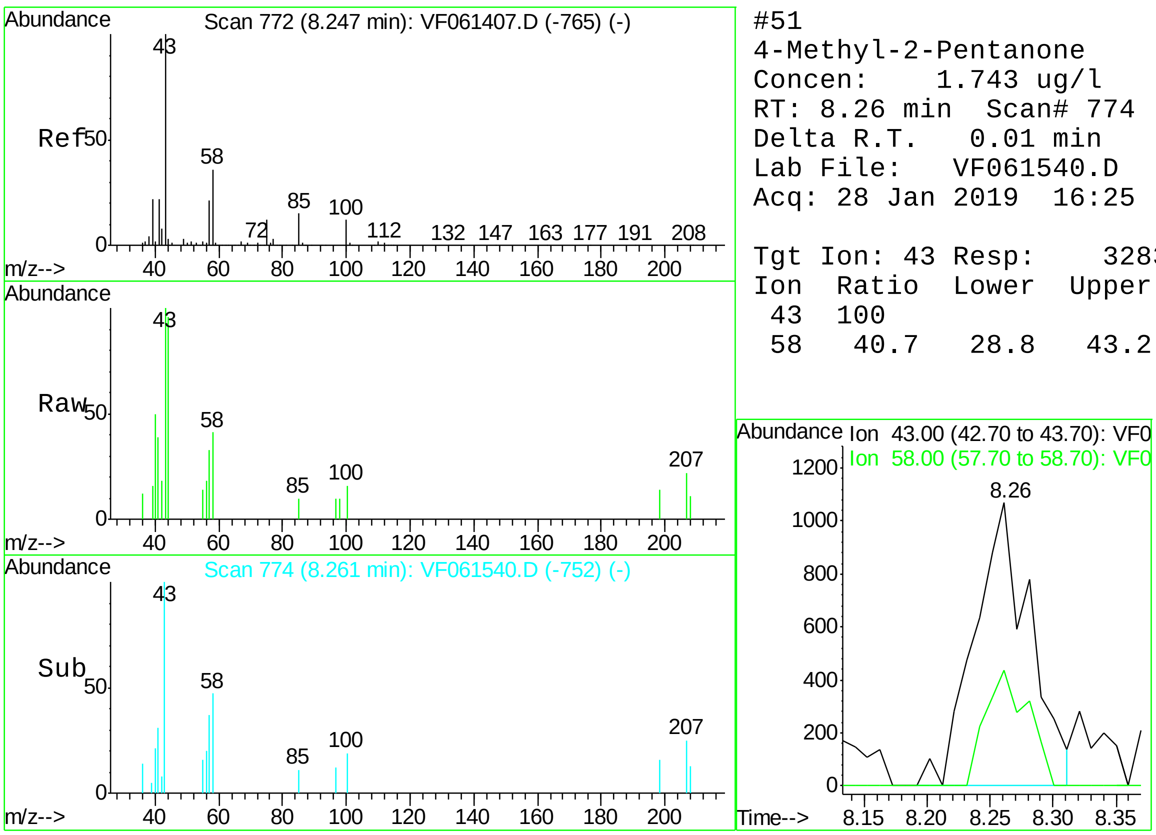


#50
Toluene-d8
Concen: 33.679 ug/l
RT: 7.55 min Scan# 702
Delta R.T. 0.00 min
Lab File: VF061540.D
Acq: 28 Jan 2019 16:25

Instrument :
MSVOA_F
ClientSampleId :
TR-05-012819

Tgt Ion: 98 Resp: 320785

Ion	Ratio	Lower	Upper
98	100		
100	70.5	55.6	83.4

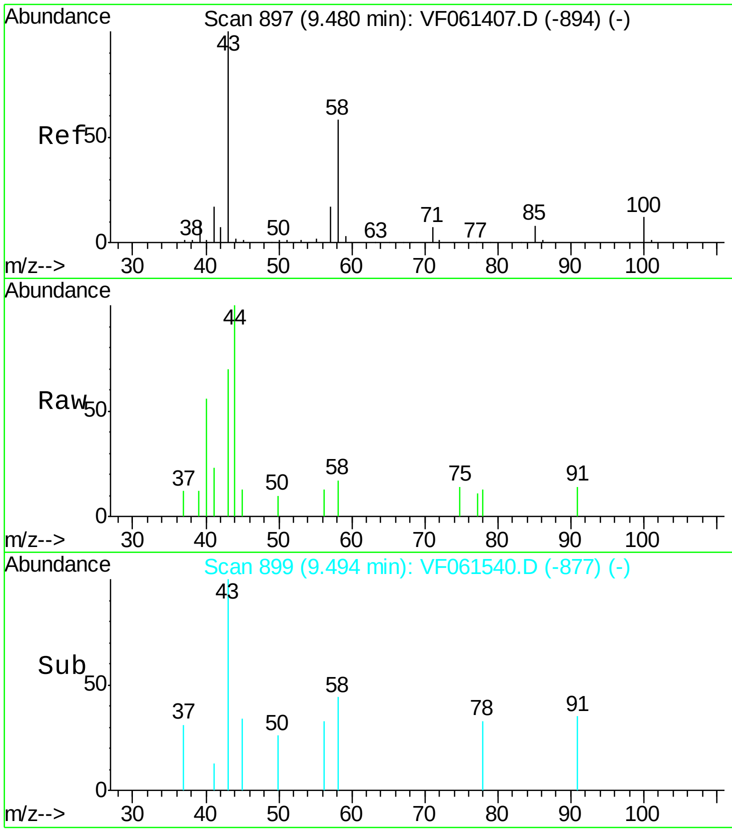


#51
4-Methyl-2-Pentanone
Concen: 1.743 ug/l
RT: 8.26 min Scan# 774
Delta R.T. 0.01 min
Lab File: VF061540.D
Acq: 28 Jan 2019 16:25

Tgt Ion: 43 Resp: 3283

Ion	Ratio	Lower	Upper
43	100		
58	40.7	28.8	43.2

Instrument :
MSVOA_F
ClientSampleId :
TR-05-012819

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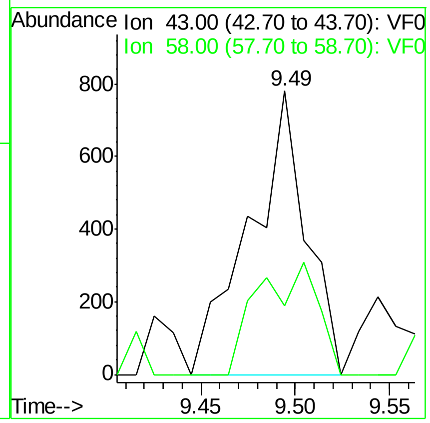
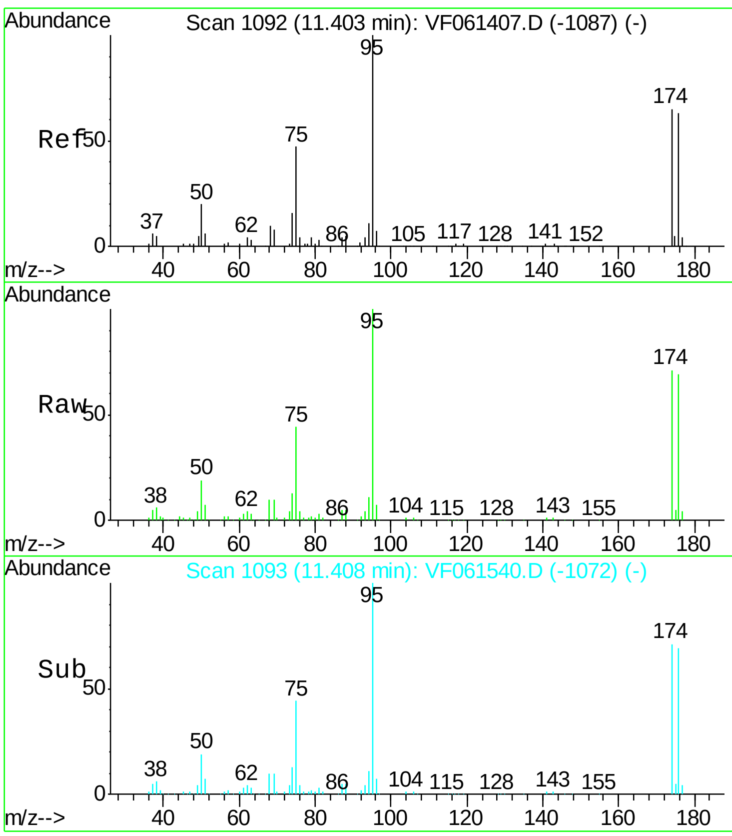
#59
2-Hexanone
Concen:    1.228 ug/l
RT: 9.49 min  Scan# 899
Delta R.T.   0.01 min
Lab File:   VF061540.D
Acq: 28 Jan 2019  16:25

Tgt Ion: 43 Resp:    1613
Ion  Ratio  Lower  Upper
 43  100
 58   24.2   25.9   77.6#
```



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#62
4-Bromofluorobenzene
Concen:   31.518 ug/l
RT: 11.41 min  Scan# 1093
Delta R.T.   0.00 min
Lab File:   VF061540.D
Acq: 28 Jan 2019  16:25

Tgt Ion: 95 Resp:  140262
Ion  Ratio  Lower  Upper
 95  100
174   70.9    0.0  130.4
176   69.3    0.0  126.2
```
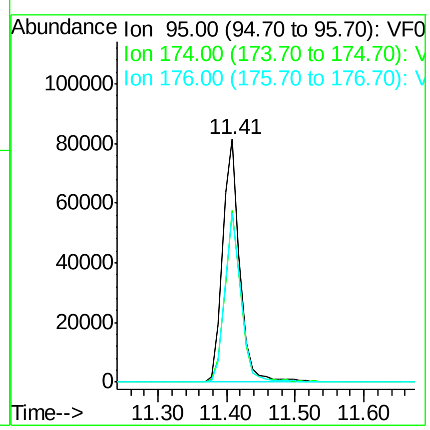
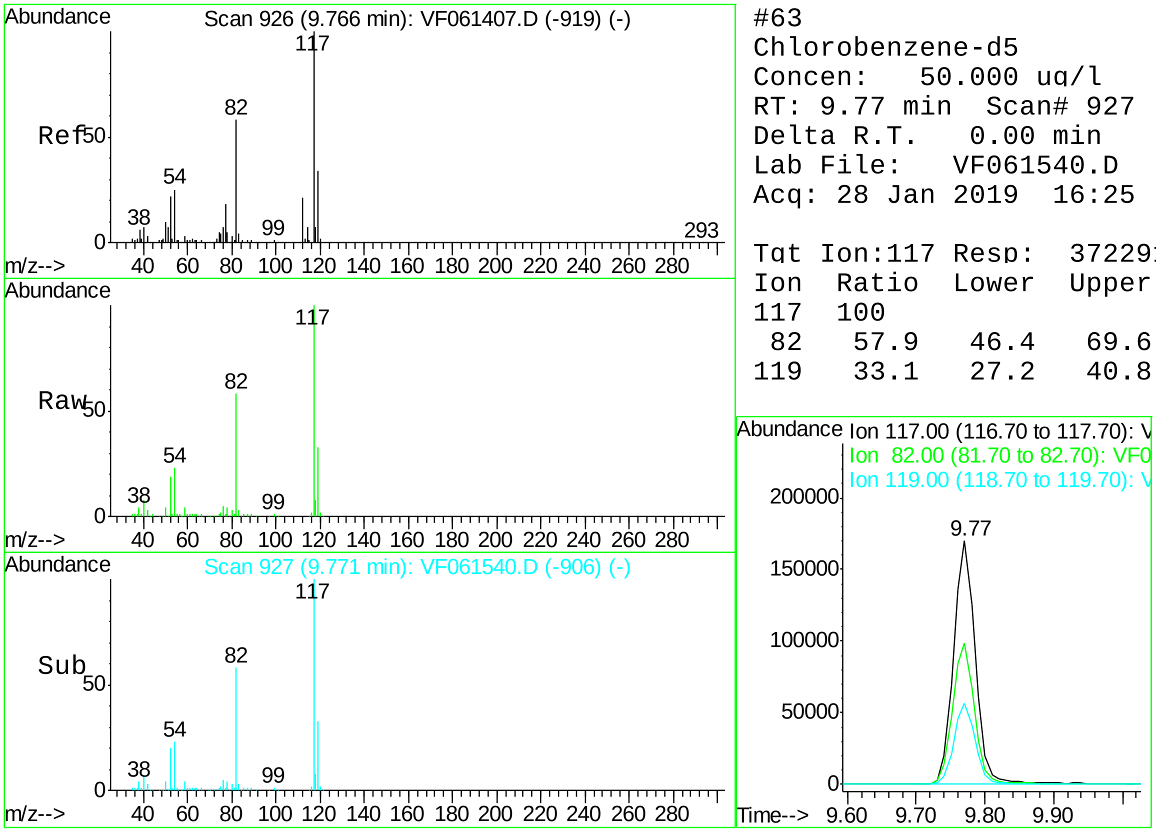



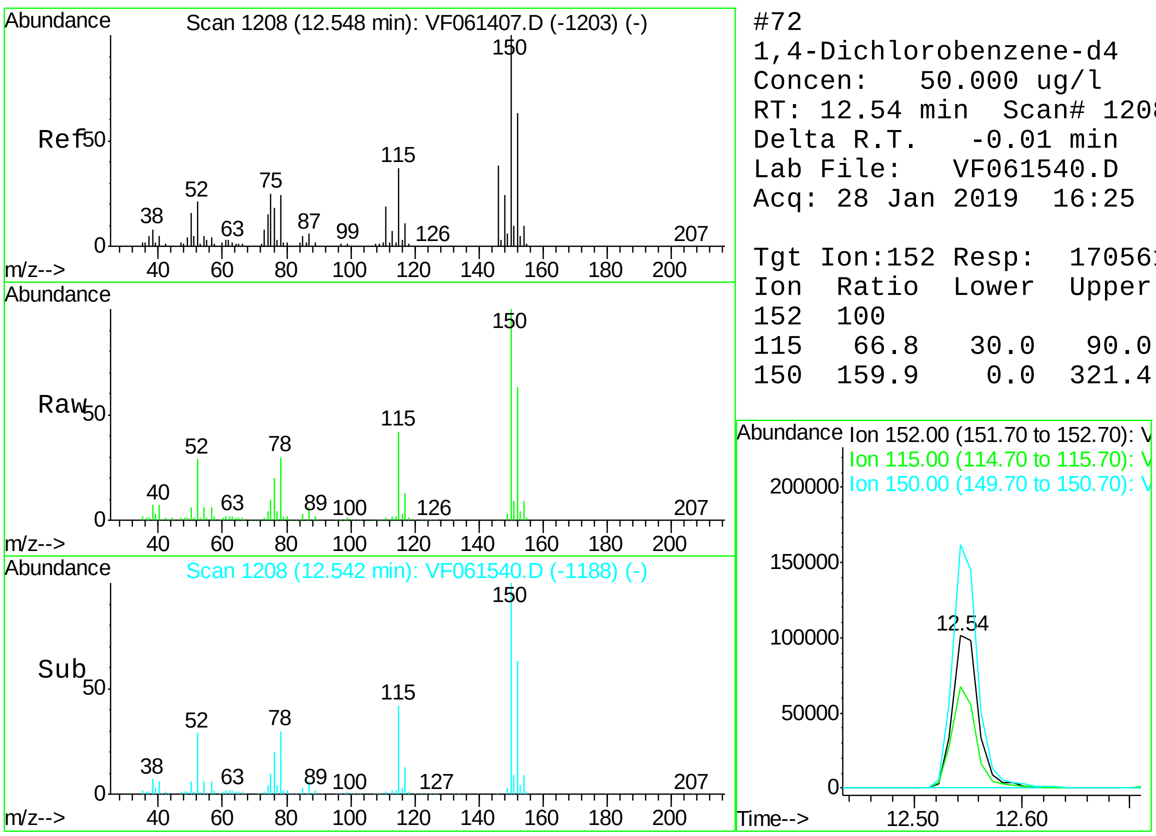


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. 0.00 min
Lab File: VF061540.D
Acq: 28 Jan 2019 16:25

Instrument : MSVOA_F
ClientSampleId : TR-05-012819

Tgt Ion:117 Resp: 372291

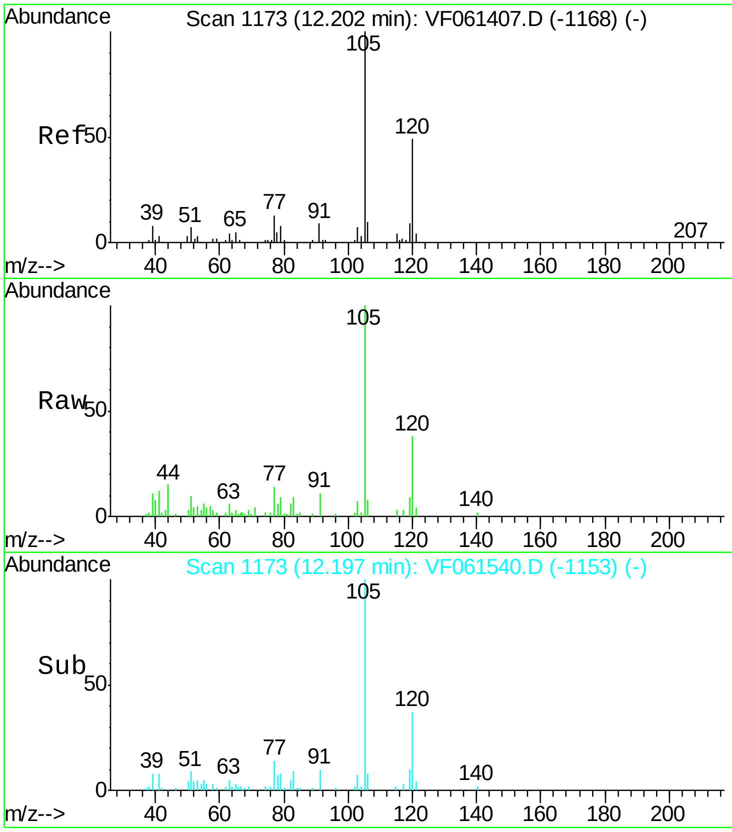
Ion	Ratio	Lower	Upper
117	100		
82	57.9	46.4	69.6
119	33.1	27.2	40.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF061540.D
Acq: 28 Jan 2019 16:25

Tgt Ion:152 Resp: 170561

Ion	Ratio	Lower	Upper
152	100		
115	66.8	30.0	90.0
150	159.9	0.0	321.4

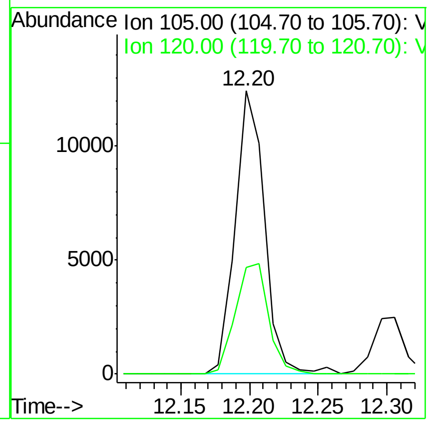


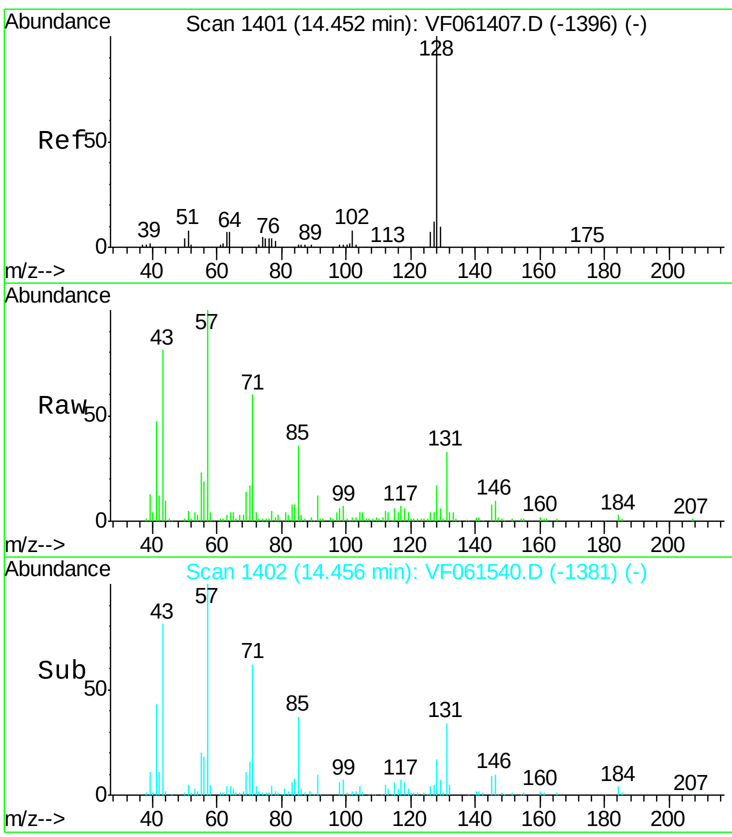
#84
1,2,4-Trimethylbenzene
Concen: 1.607 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. -0.01 min
Lab File: VF061540.D
Acq: 28 Jan 2019 16:25

Instrument :
MSVOA_F
ClientSampleId :
TR-05-012819

Tgt Ion:105 Resp: 18534

Ion	Ratio	Lower	Upper
105	100		
120	37.9	24.9	74.6





#95
Naphthalene
Concen: 1.248 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. 0.00 min
Lab File: VF061540.D
Acq: 28 Jan 2019 16:25

Tgt Ion:128 Resp: 9100

Ion	Ratio	Lower	Upper
128	100		
127	25.4	9.5	14.3#
129	38.7	8.4	12.6#