

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012419\
 Data File : VF061497.D
 Acq On : 24 Jan 2019 13:44
 Operator : VA/AP
 Sample : K1016-03
 Misc : 4.27g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TR-05-RO-1-012319

Quant Time: Jan 25 04:08:14 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	0.00	168	0	0.00	ug/l	-4.86
34) 1,4-Difluorobenzene	5.27	114	61	50.00	ug/l	-0.33
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-9.77
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.55

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.75	65	86	0.00	ug/l	-0.08
Spiked Amount 50.000			Recovery =	0.00%		
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount 50.000			Recovery =	0.00%		
50) Toluene-d8	0.00	98	0	0.00	ug/l	
Spiked Amount 50.000			Recovery =	0.00%		
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount 50.000			Recovery =	0.00%		

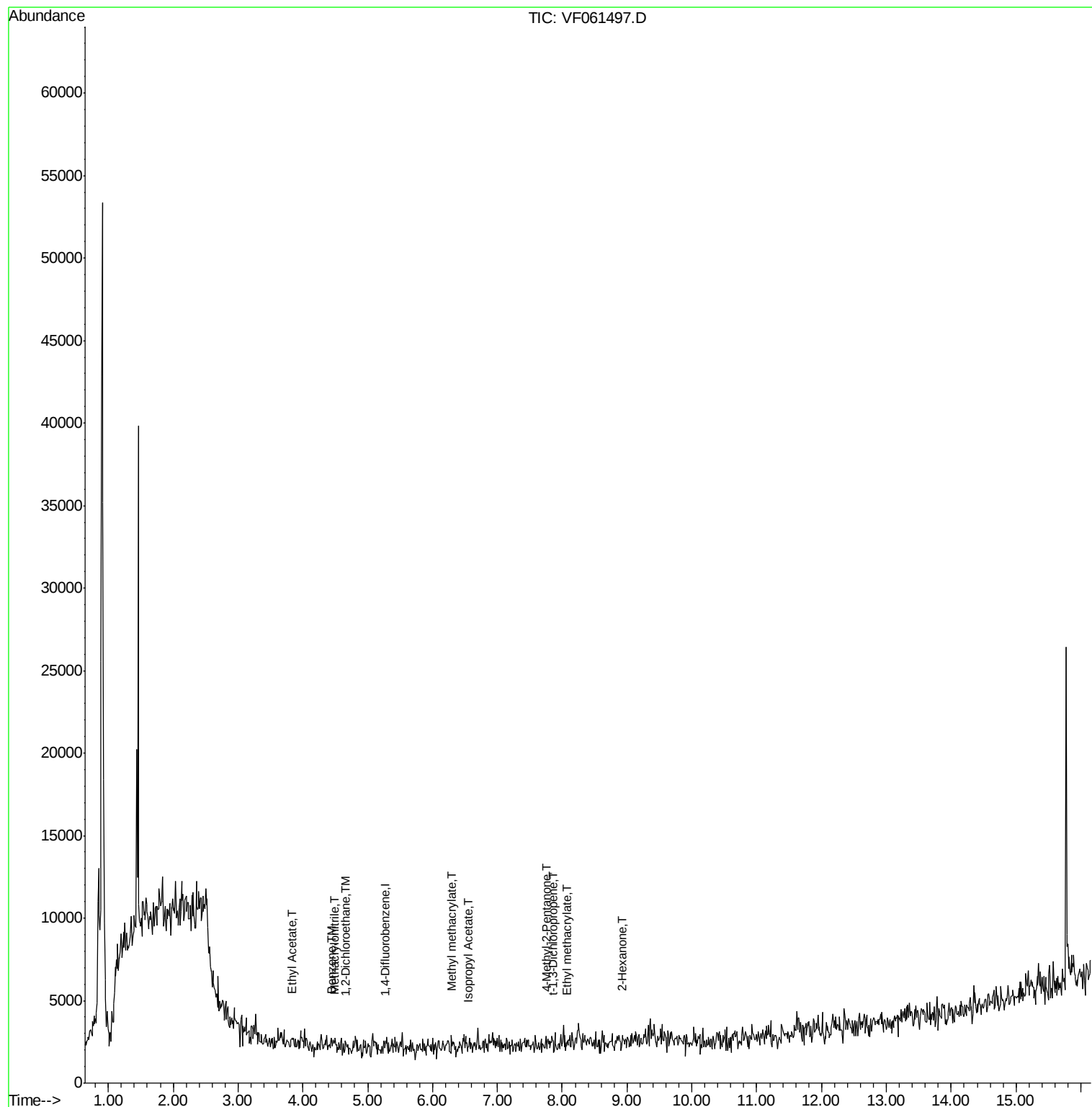
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
37) Ethyl Acetate	3.85	43	70	247.597	ug/l #	5
40) Benzene	4.44	78	65	41.302	ug/l #	52
41) Methacrylonitrile	4.48	41	161	1070.232	ug/l #	46
42) 1,2-Dichloroethane	4.66	62	70	124.820	ug/l	76
43) Isopropyl Acetate	6.55	43	67	188.823	ug/l #	51
48) Methyl methacrylate	6.29	41	123	516.223	ug/l #	34
51) 4-Methyl-2-Pentanone	7.76	43	136	521.361	ug/l #	39
53) t-1,3-Dichloropropene	7.86	75	59	109.342	ug/l #	44
56) Ethyl methacrylate	8.08	69	71	207.358	ug/l #	1
59) 2-Hexanone	8.92	43	206	1132.492	ug/l #	26

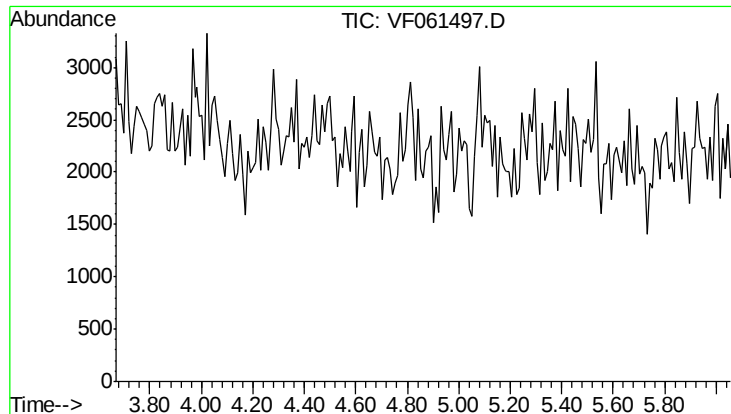
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 0.000 ug/l

Expected RT: 4.86 min

Lab File: VF061497.D

Acq: 24 Jan 2019 13:44

Tot Ion: 168

Sig Exp Ratio

168 100

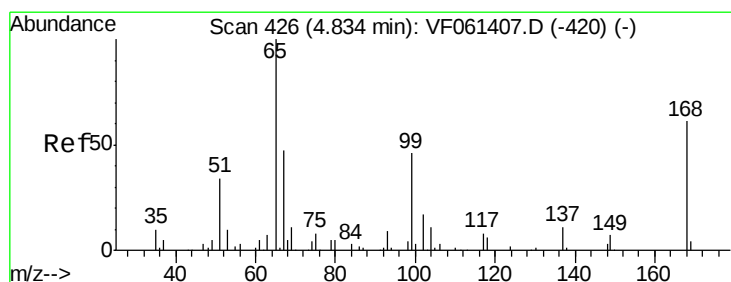
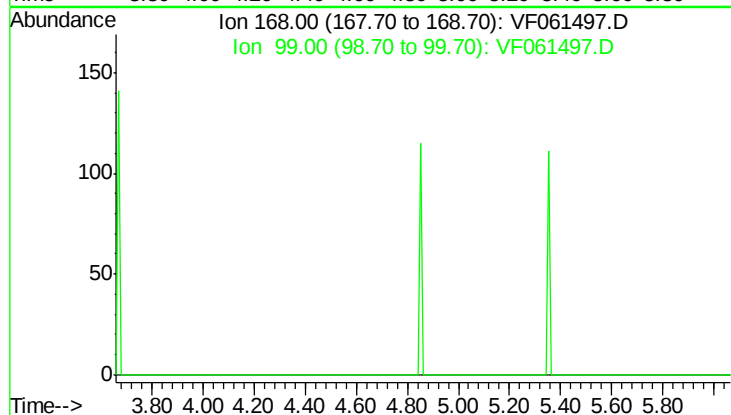
99 66.9

Instrument :

MSVOA_F

ClientSampleId :

TR-05-RO-1-012319



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

RT: 4.75 min Scan# 418

Delta R.T. -0.08 min

Lab File: VF061497.D

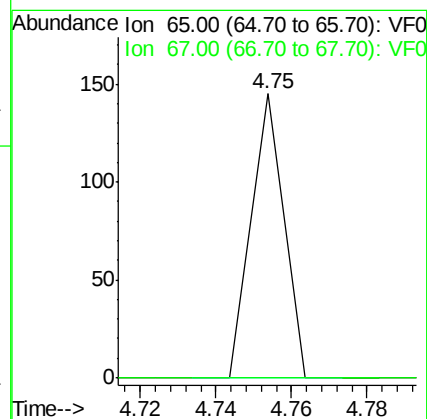
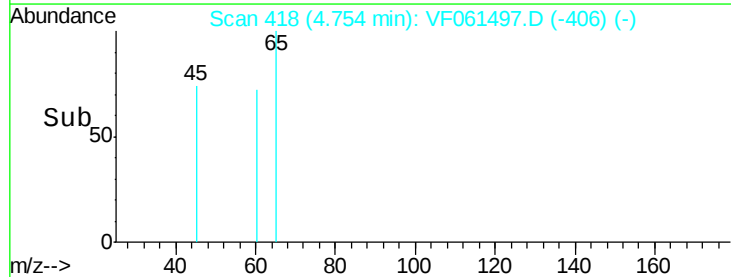
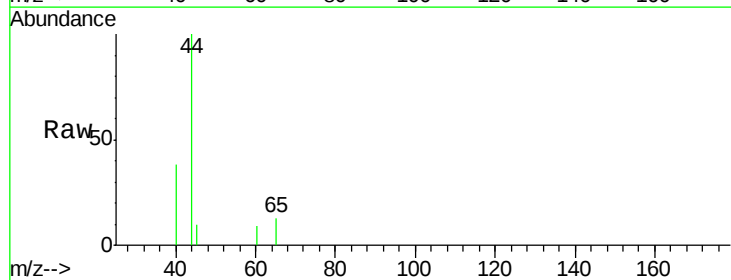
Acq: 24 Jan 2019 13:44

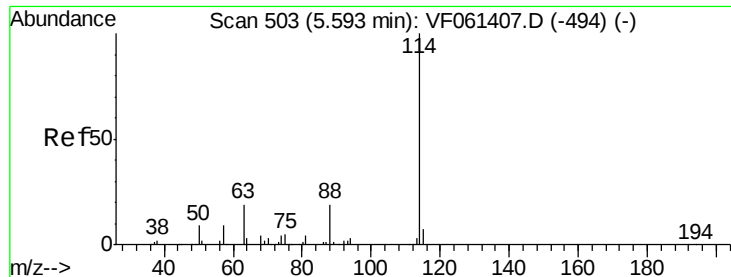
Tgt Ion: 65 Resp: 86

Ion Ratio Lower Upper

65 100

67 0.0 0.0 99.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.27 min Scan# 470

Delta R.T. -0.33 min

Lab File: VF061497.D

Acq: 24 Jan 2019 13:44

Instrument :

MSVOA_F

ClientSampleId :

TR-05-RO-1-012319

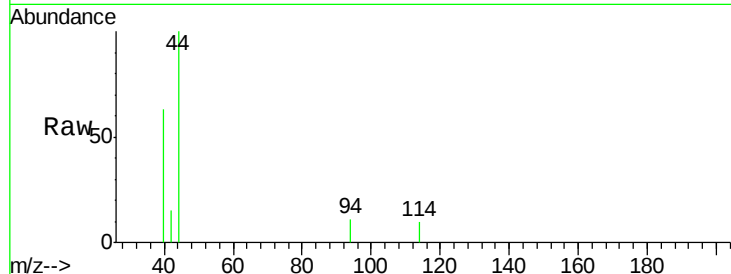
Tot Ion:114 Resp: 61

Ion Ratio Lower Upper

114 100

63 0.0 0.0 39.0

88 0.0 0.0 37.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

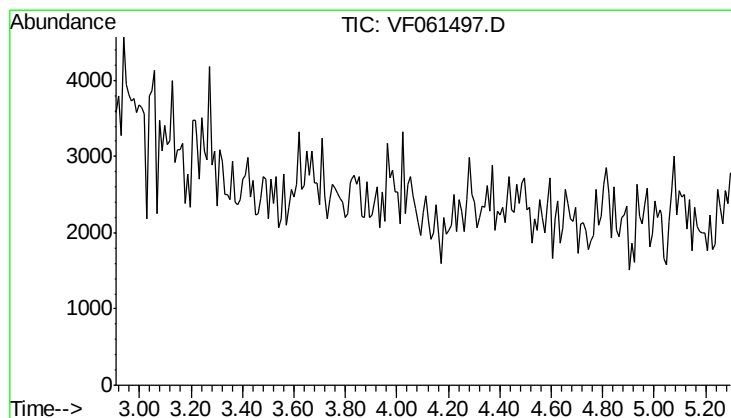
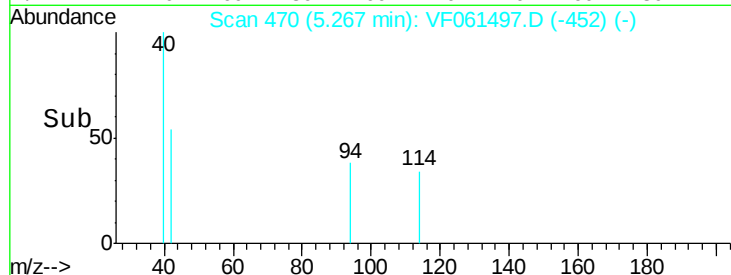
5.27

100

50

0

Time-->



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 4.10 min

Lab File: VF061497.D

Acq: 24 Jan 2019 13:44

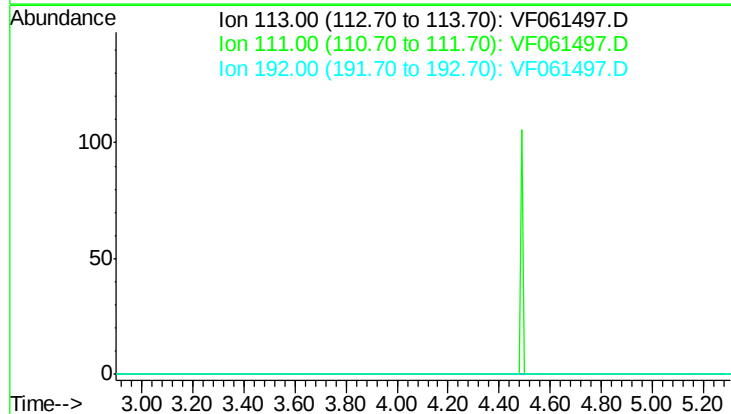
Tgt Ion: 113

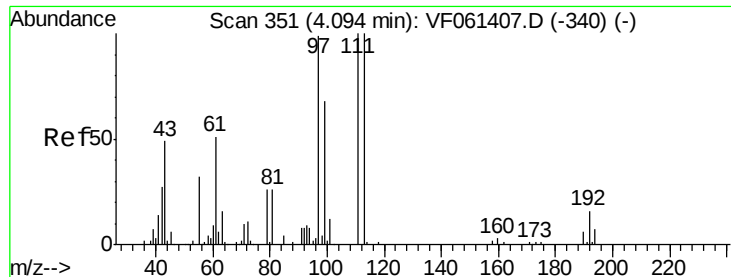
Sig Exp Ratio

113 100

111 99.2

192 15.5





#37

Ethyl Acetate

Concen: 247.597 ug/l

RT: 3.85 min Scan# 326

Delta R.T. -0.25 min

Lab File: VF061497.D

Acq: 24 Jan 2019 13:44

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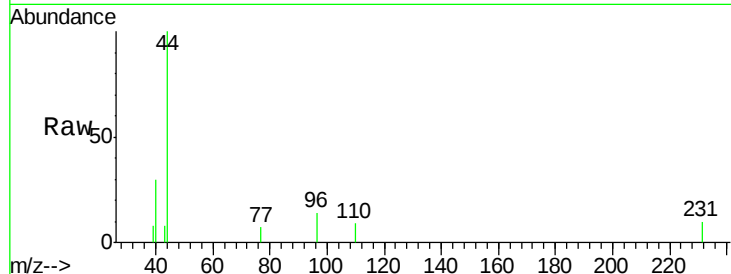
Tot Ion: 43 Resp: 70

Ion Ratio Lower Upper

43 100

61 0.0 81.7 122.5#

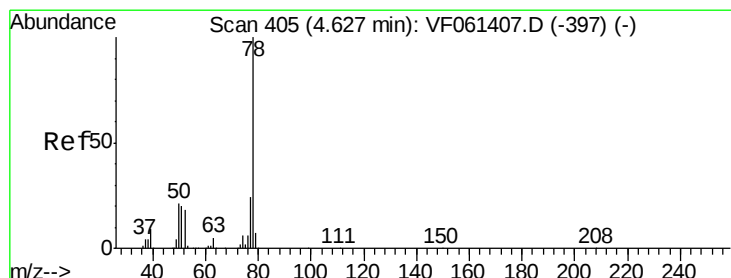
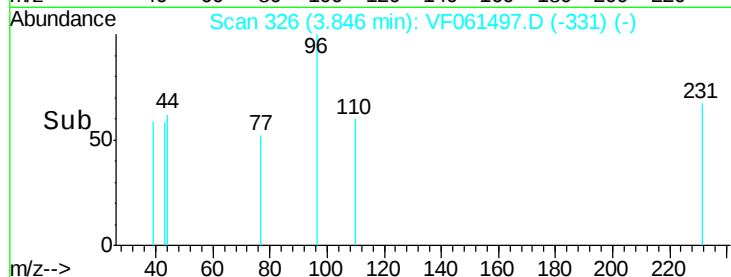
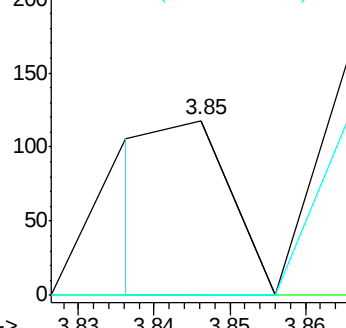
70 0.0 6.2 9.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#40

Benzene

Concen: 41.302 ug/l

RT: 4.44 min Scan# 386

Delta R.T. -0.19 min

Lab File: VF061497.D

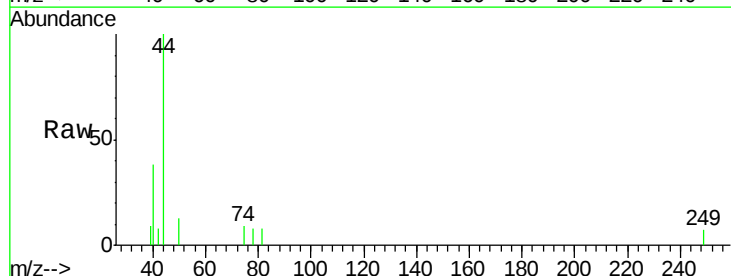
Acq: 24 Jan 2019 13:44

Tgt Ion: 78 Resp: 65

Ion Ratio Lower Upper

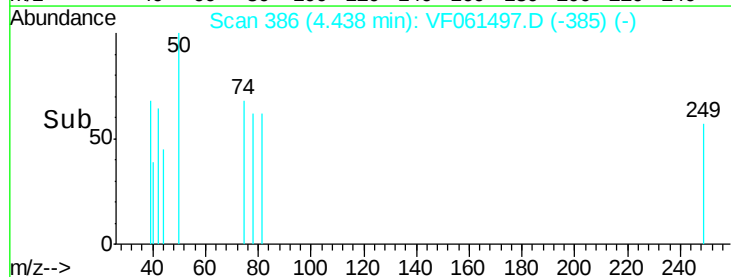
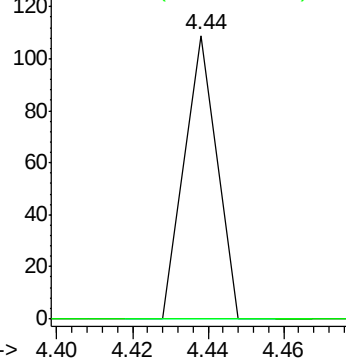
78 100

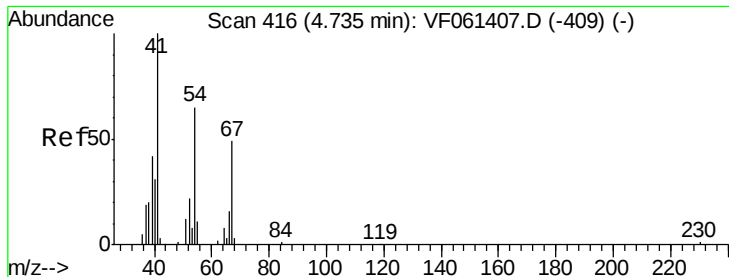
77 0.0 19.0 28.6#



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0

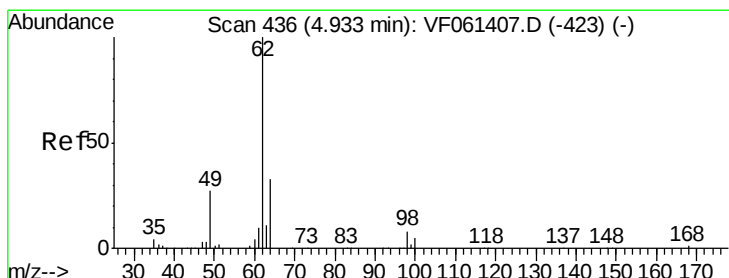
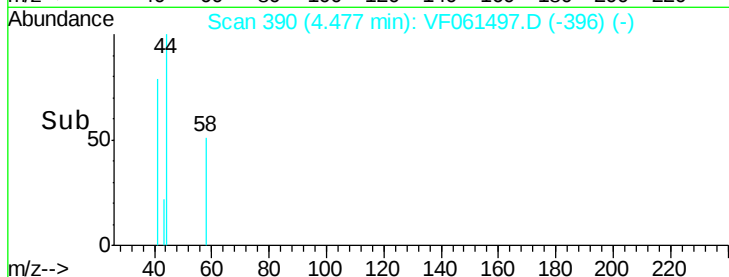
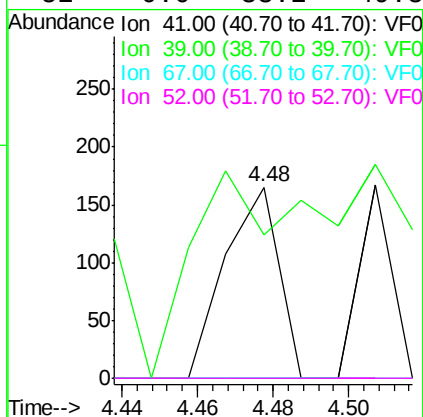
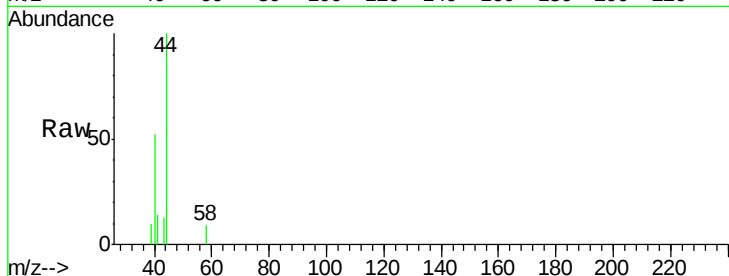




#41
Methacrylonitrile
Concen: 1070.232 ug/l
RT: 4.48 min Scan# 390
Delta R.T. -0.26 min
Lab File: VF061497.D
Acq: 24 Jan 2019 13:44

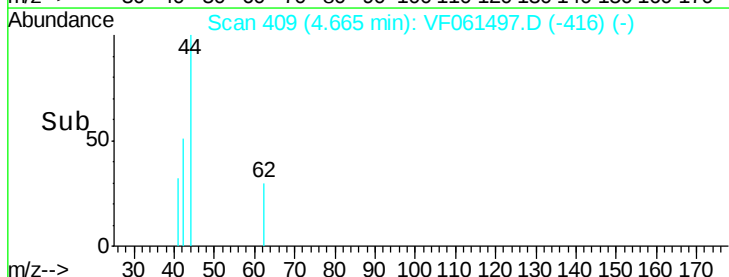
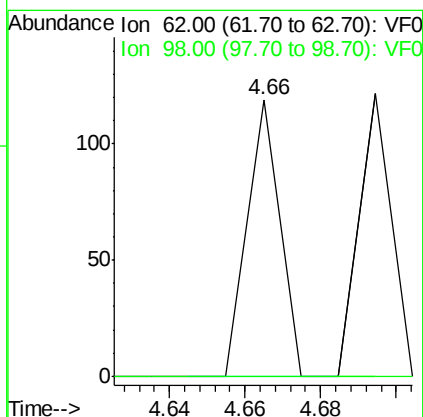
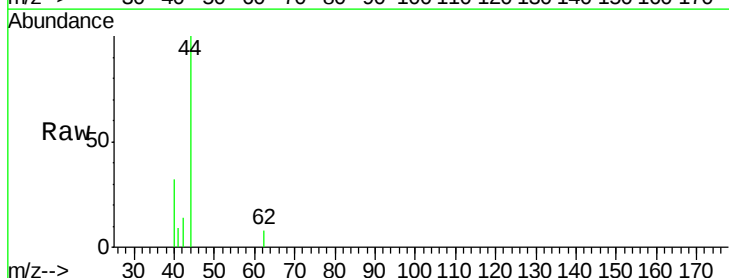
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ClientSampleId :
TR-05-RO-1-012319

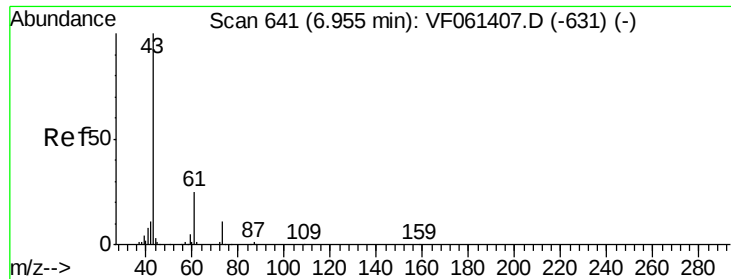
Tot Ion:	41	Resp:	161
Ion	Ratio	Lower	Upper
41	100		
39	75.2	43.1	64.7#
67	0.0	38.8	58.2#
52	0.0	33.2	49.8#



#42
1,2-Dichloroethane
Concen: 124.820 ug/l
RT: 4.66 min Scan# 409
Delta R.T. -0.27 min
Lab File: VF061497.D
Acq: 24 Jan 2019 13:44

Tgt Ion:	62	Resp:	70
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	17.0





#43

Isopropyl Acetate

Concen: 188.823 ug/l

RT: 6.55 min Scan# 600

Delta R.T. -0.41 min

Lab File: VF061497.D

Acq: 24 Jan 2019 13:44

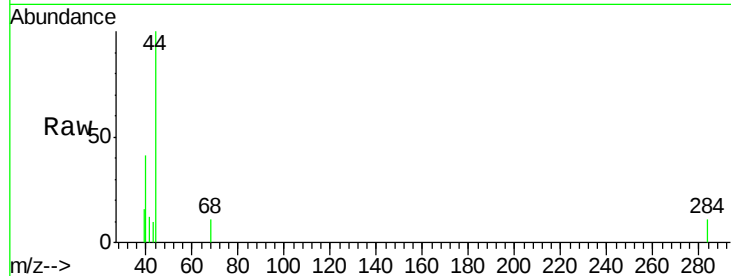
Instrument :

MSVOA_F

ClientSampleId :

TR-05-RO-1-012319

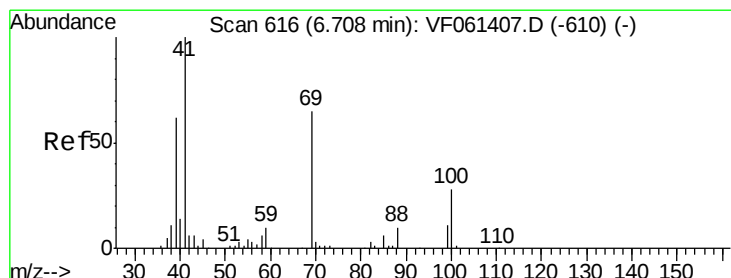
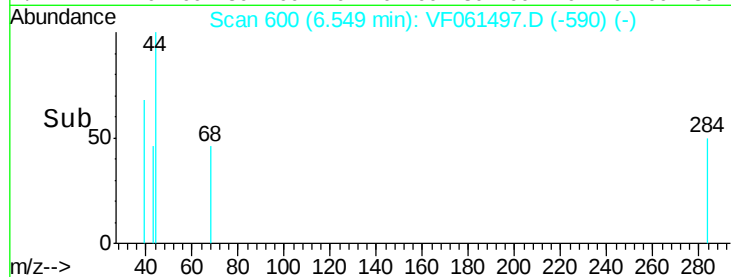
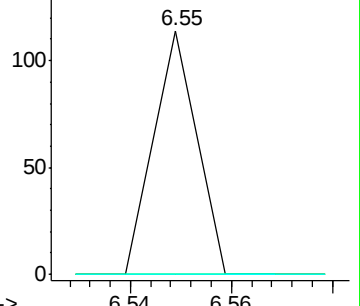
Tot Ion:	43	Resp:	67
Ion	Ratio	Lower	Upper
43	100		
61	0.0	20.3	30.5#
87	0.0	0.5	0.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#48

Methyl methacrylate

Concen: 516.223 ug/l

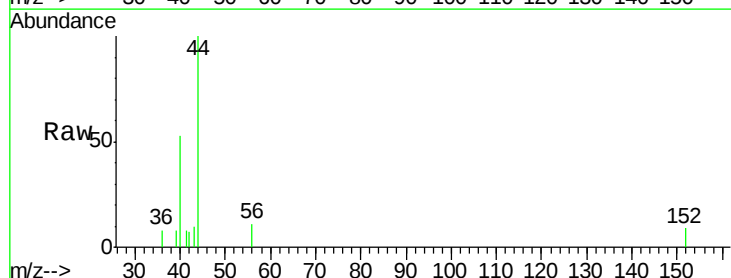
RT: 6.29 min Scan# 574

Delta R.T. -0.42 min

Lab File: VF061497.D

Acq: 24 Jan 2019 13:44

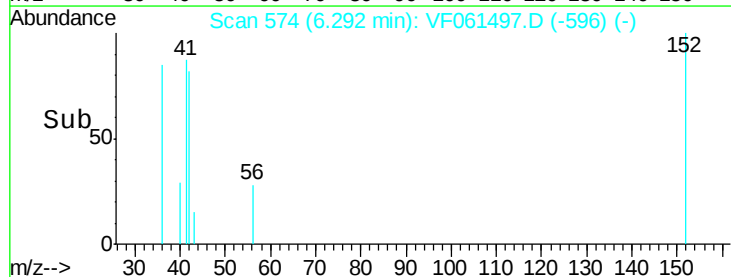
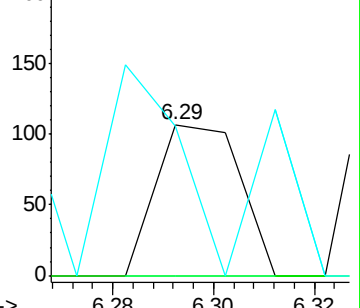
Tgt Ion:	41	Resp:	123
Ion	Ratio	Lower	Upper
41	100		
69	0.0	51.7	77.5#
39	99.1	49.2	73.8#

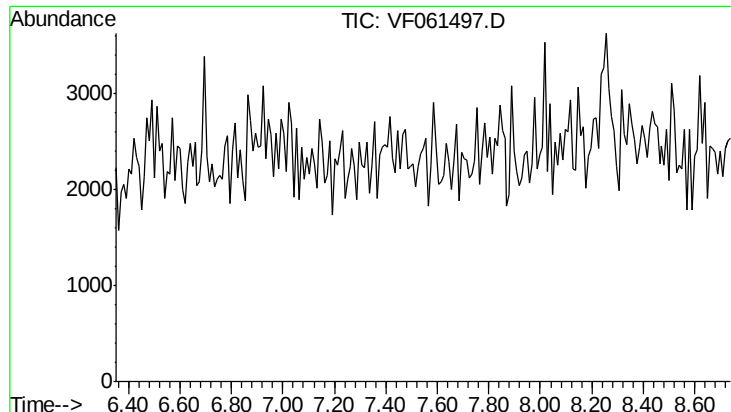


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



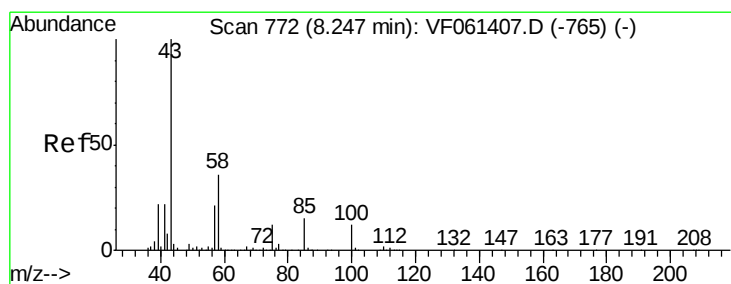
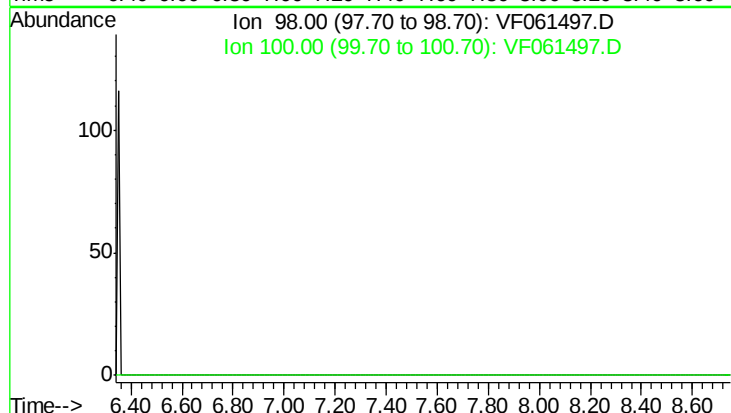


#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 7.55 min

Lab File: VF061497.D
Acq: 24 Jan 2019 13:44

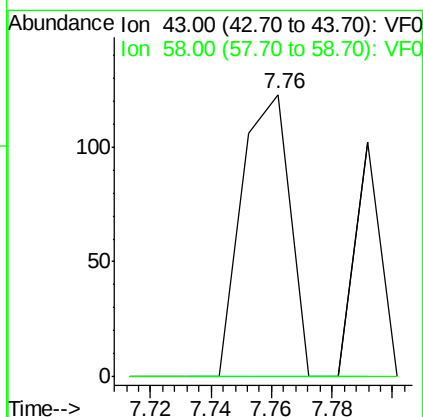
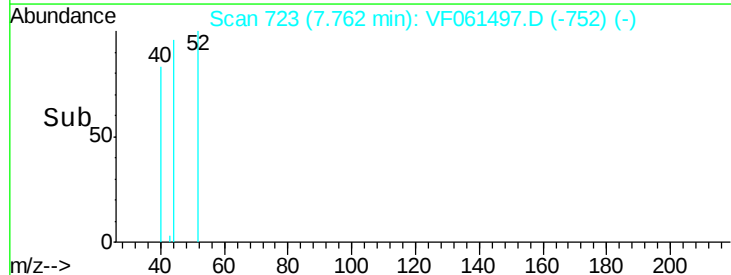
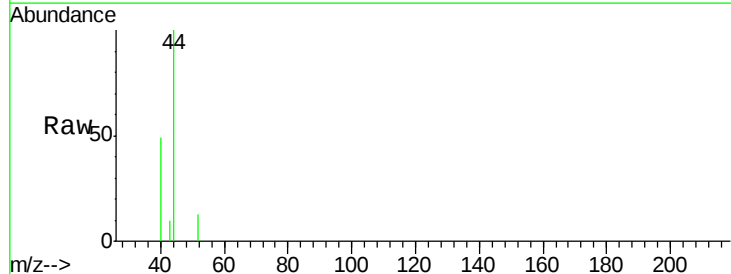
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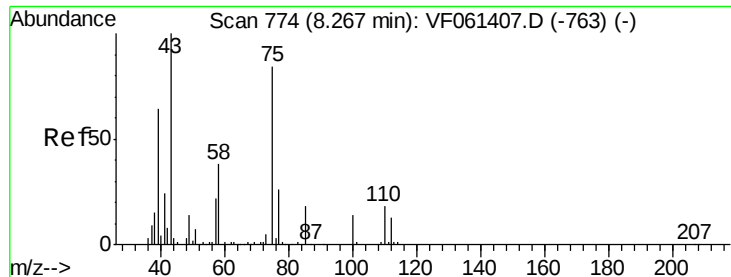
Tot Ion: 98
Sig Exp Ratio
98 100
100 69.5



#51
4-Methyl-2-Pentanone
Concen: 521.361 ug/l
RT: 7.76 min Scan# 723
Delta R.T. -0.48 min
Lab File: VF061497.D
Acq: 24 Jan 2019 13:44

Tgt Ion: 43 Resp: 136
Ion Ratio Lower Upper
43 100
58 0.0 28.8 43.2#





#53

t-1,3-Dichloropropene

Concen: 109.342 ug/l

RT: 7.86 min Scan# 733

Delta R.T. -0.41 min

Lab File: VF061497.D

Acq: 24 Jan 2019 13:44

Instrument :

MSVOA_F

ClientSampleId :

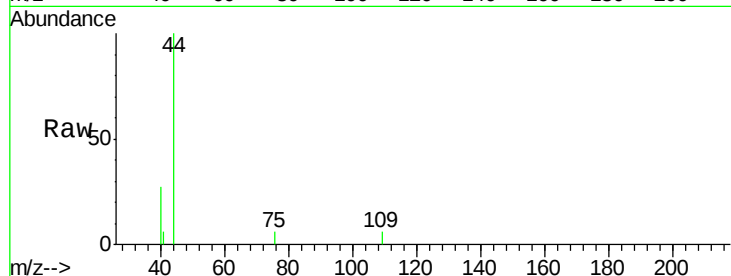
TR-05-RO-1-012319

Tot Ion: 75 Resp: 59

Ion Ratio Lower Upper

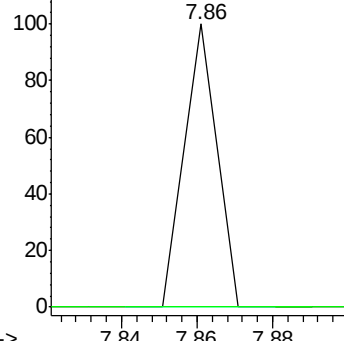
75 100

77 0.0 24.4 36.6#

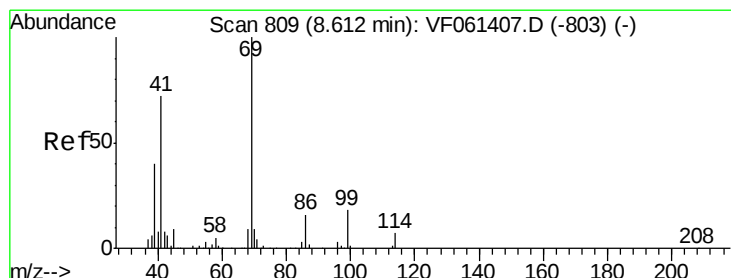
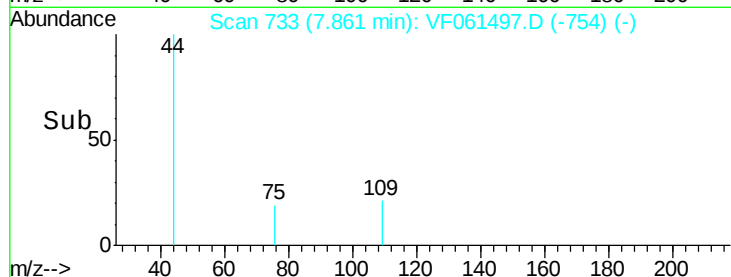


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



Time-->



#56

Ethyl methacrylate

Concen: 207.358 ug/l

RT: 8.08 min Scan# 755

Delta R.T. -0.53 min

Lab File: VF061497.D

Acq: 24 Jan 2019 13:44

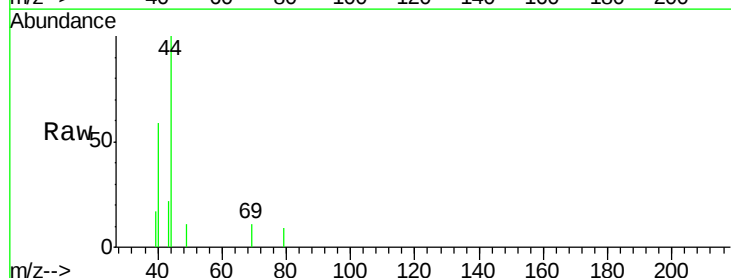
Tgt Ion: 69 Resp: 71

Ion Ratio Lower Upper

69 100

41 0.0 57.5 86.3#

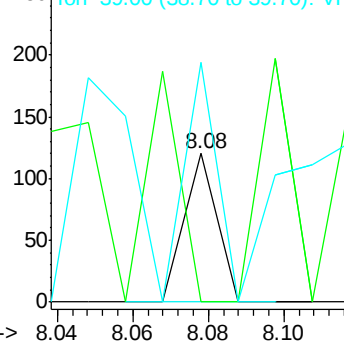
39 161.7 32.0 48.0#



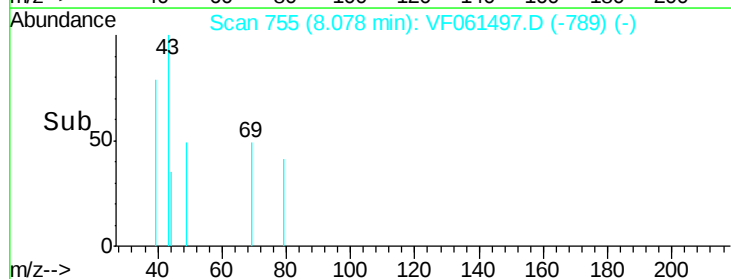
Abundance Ion 69.00 (68.70 to 69.70): VF0

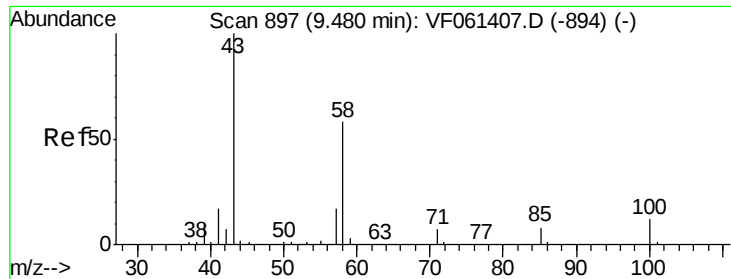
Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



Time-->

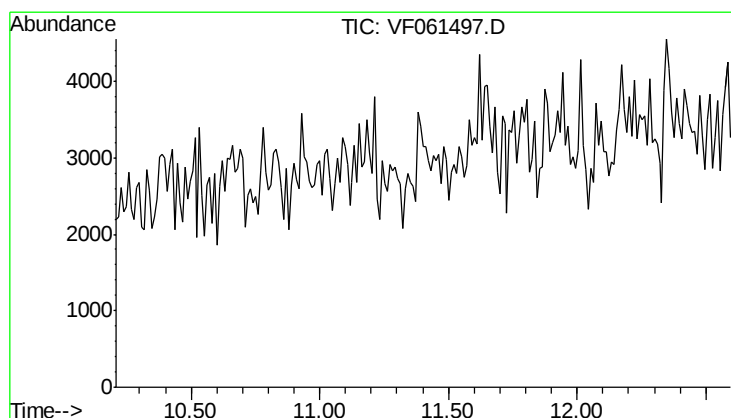
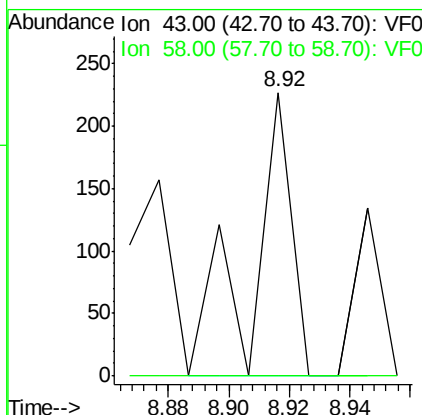
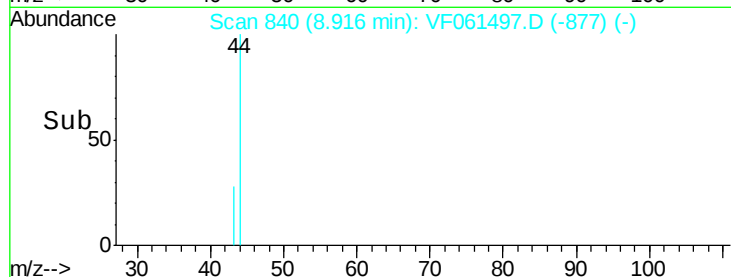
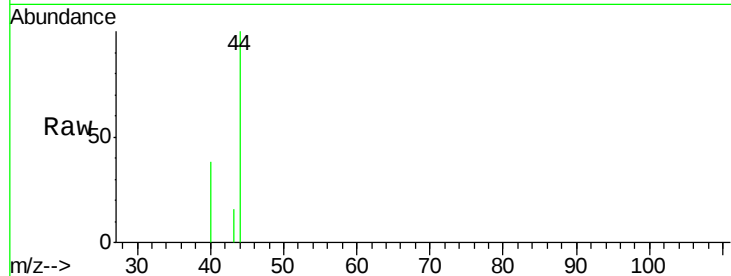




#59
 2-Hexanone
 Concen: 1132.492 ug/l
 RT: 8.92 min Scan# 840
 Delta R.T. -0.56 min
 Lab File: VF061497.D
 Acq: 24 Jan 2019 13:44

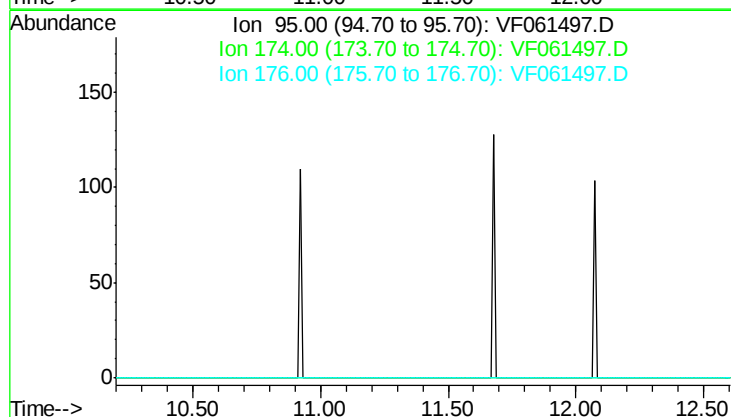
Instrument :
 MSVOA_F
 ClientSampleId :
 TR-05-RO-1-012319

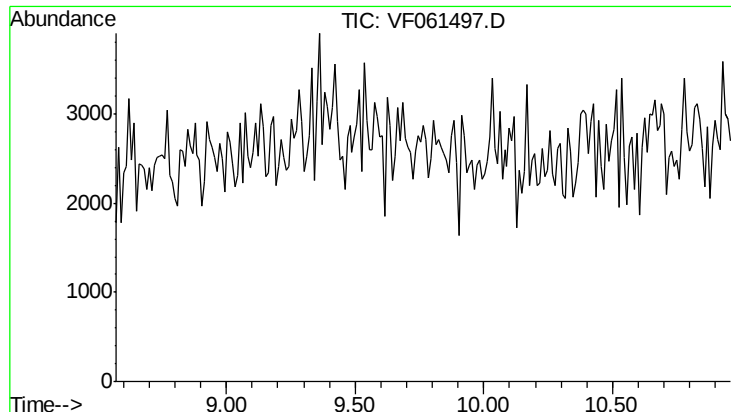
Tot Ion: 43 Resp: 206
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.9 77.6#



#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 11.40 min
 Lab File: VF061497.D
 Acq: 24 Jan 2019 13:44

Tgt Ion: 95
 Sig Exp Ratio
 95 100
 174 65.2
 176 63.1



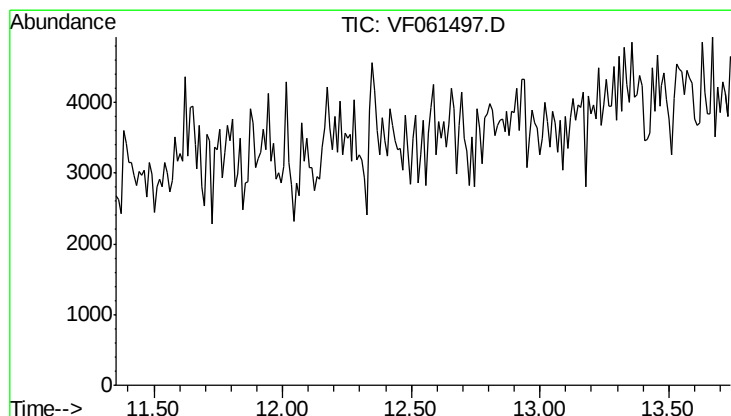
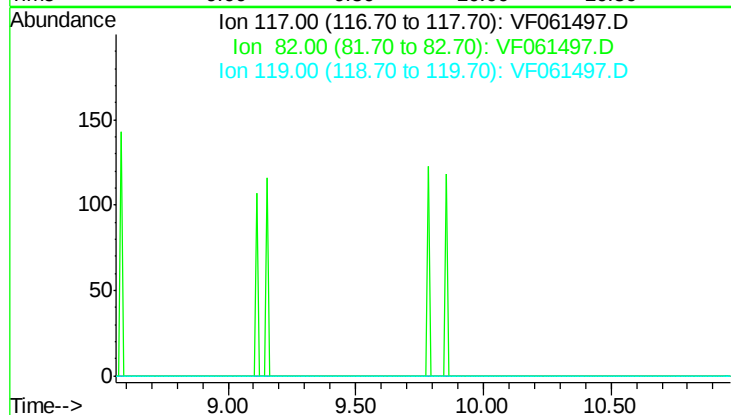


#63
 Chlorobenzene-d5
 Concen: 0.000 ug/l
 Expected RT: 9.77 min
 Lab File: VF061497.D
 Acq: 24 Jan 2019 13:44

Instrument :
 MSVOA_F
 ClientSampleId :
 TR-05-RO-1-012319

Tot Ion: 117

Sig	Exp Ratio
117	100
82	58.0
119	34.0



#72
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ug/l
 Expected RT: 12.55 min
 Lab File: VF061497.D
 Acq: 24 Jan 2019 13:44

Tgt Ion: 152

Sig	Exp Ratio
152	100
115	60.0
150	160.7

