

Data File : VF061294.D
Acq On : 9 Jan 2019 11:45
Operator : VA/AP
Sample : VF0109SBL01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0109SBL01

Quant Time: Jan 10 05:49:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 07:13:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	242956	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	444301	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.80	117	374818	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	206475	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.86	65	139886	51.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.46%	
35) Dibromofluoromethane	4.12	113	164559	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
50) Toluene-d8	7.57	98	427912	42.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.06%	
62) 4-Bromofluorobenzene	11.42	95	205765	46.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.68%	

Target Compounds

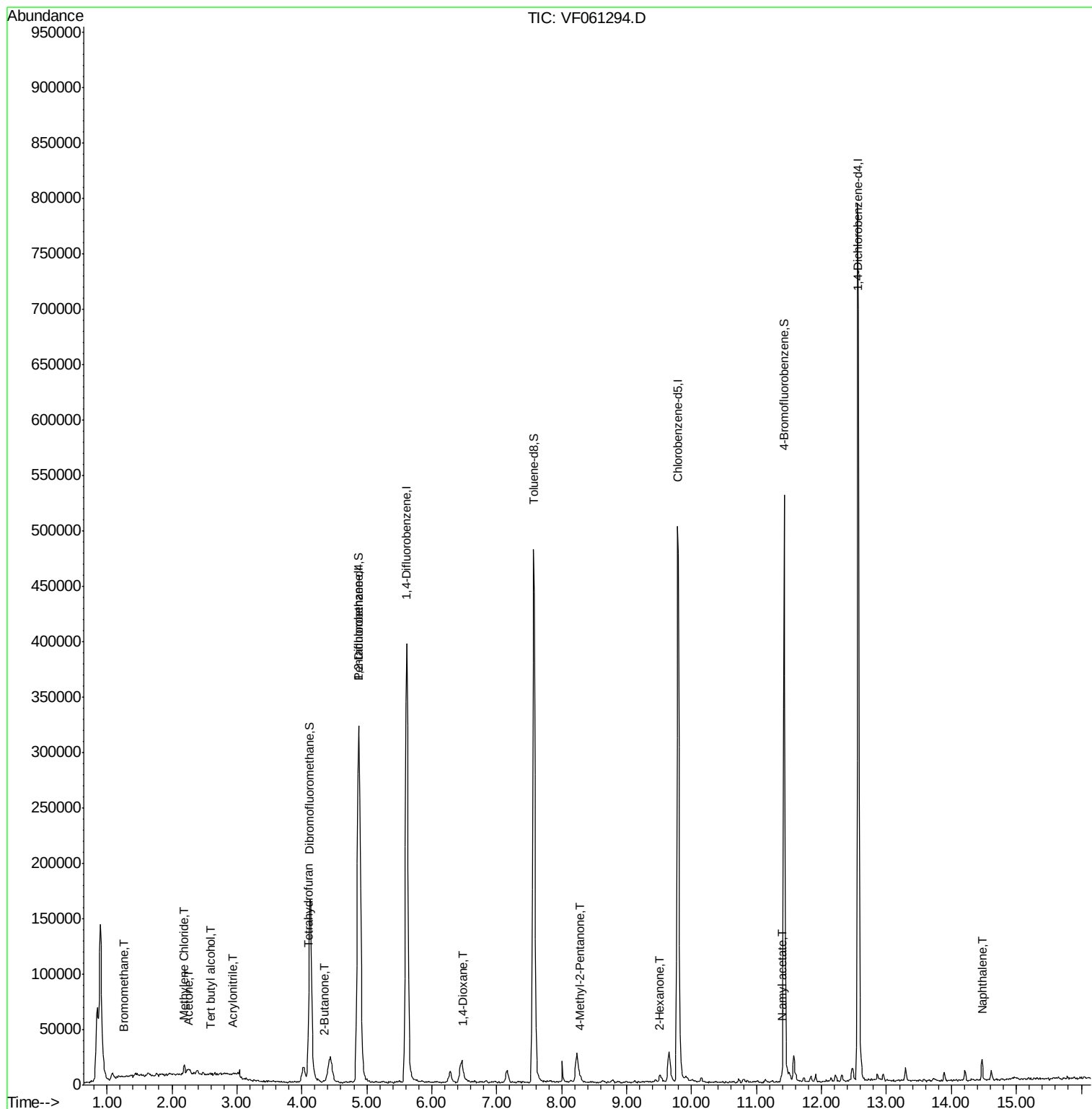
						Qvalue
5) Bromomethane	1.26	94	379	3.029	ug/l #	6
11) Tert butyl alcohol	2.60	59	486	4.489	ug/l #	1
13) Acrolein	2.12	56	566	Below Cal		93
15) Acrylonitrile	2.95	53	1226	3.194	ug/l #	84
16) Acetone	2.24	43	3937	6.258	ug/l	98
20) Methylene Chloride	2.18	84	3394	1.275	ug/l #	86
25) 2-Butanone	4.35	43	2415	2.385	ug/l #	87
29) Tetrahydrofuran	4.09	42	714	1.687	ug/l	93
49) 1,4-Dioxane	6.49	88	64	6.264	ug/l #	1
51) 4-Methyl-2-Pentanone	8.29	43	4408	2.341	ug/l #	86
59) 2-Hexanone	9.51	43	5854	4.389	ug/l	92
74) N-amyl acetate	11.38	43	4903	1.187	ug/l #	72
95) Naphthalene	14.47	128	13086	1.498	ug/l	97

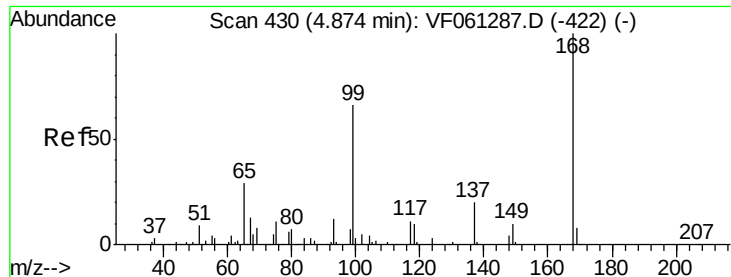
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VF061294.D
Acq On : 9 Jan 2019 11:45
Operator : VA/AP
Sample : VF0109SBL01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0109SBL01

Quant Time: Jan 10 05:49:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 07:13:51 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.01 min

Lab File: VF061294.D

Acq: 9 Jan 2019 11:45

Instrument :

MSVOA_F

ClientSampleId :

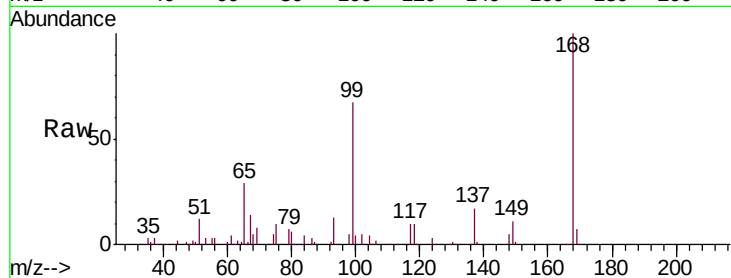
VF0109SBL01

Tgt Ion:168 Resp: 242956

Ion Ratio Lower Upper

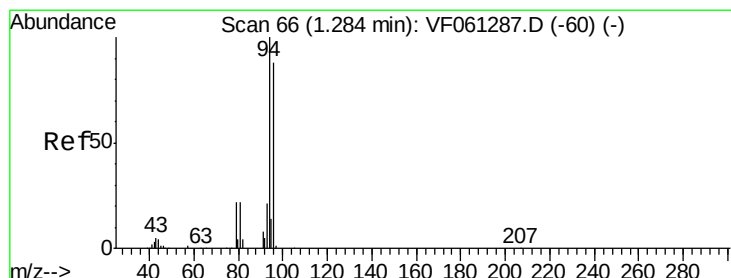
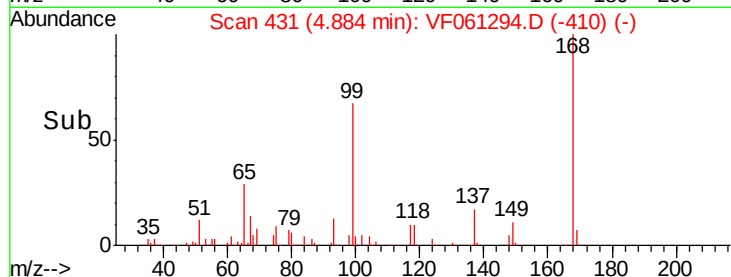
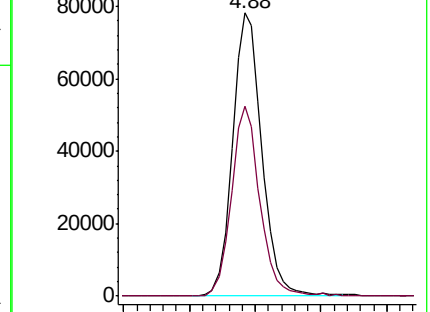
168 100

99 66.9 52.7 79.1



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#5

Bromomethane

Concen: 3.029 ug/l

RT: 1.26 min Scan# 64

Delta R.T. -0.02 min

Lab File: VF061294.D

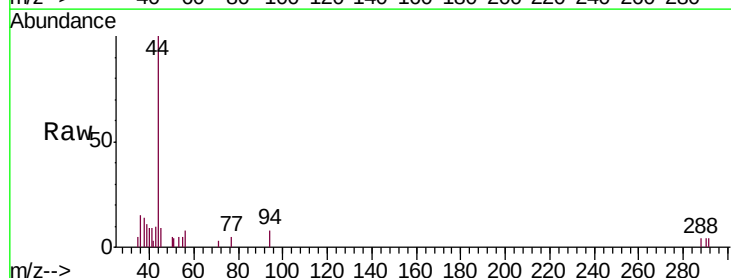
Acq: 9 Jan 2019 11:45

Tgt Ion: 94 Resp: 379

Ion Ratio Lower Upper

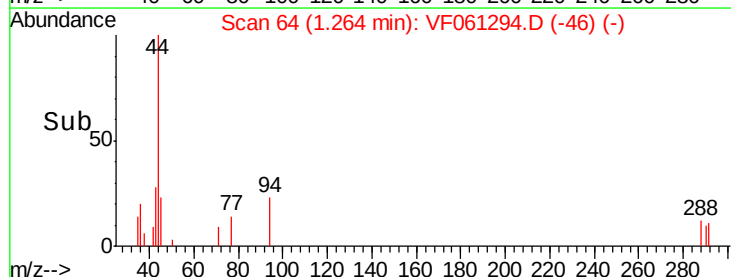
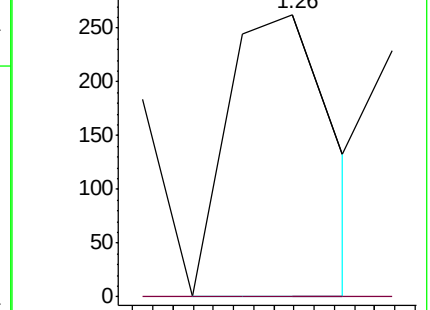
94 100

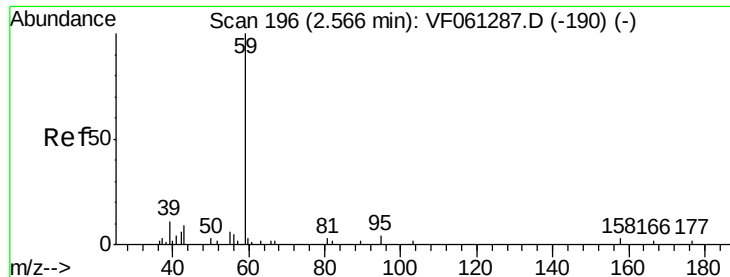
96 0.0 70.2 105.4#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

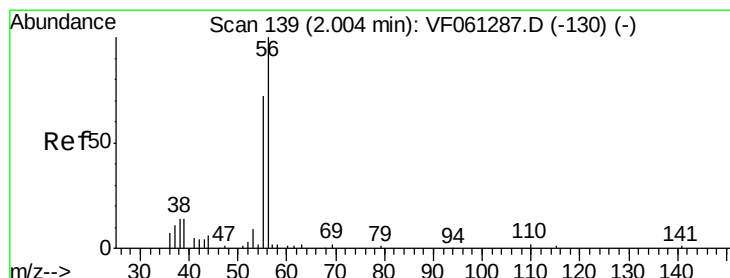
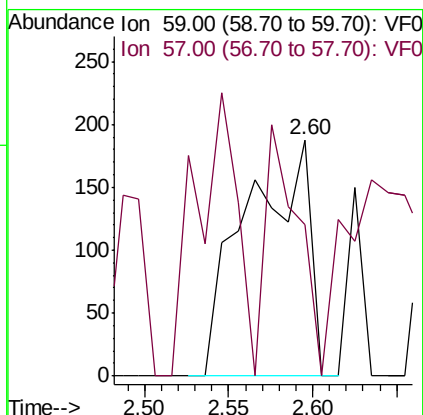
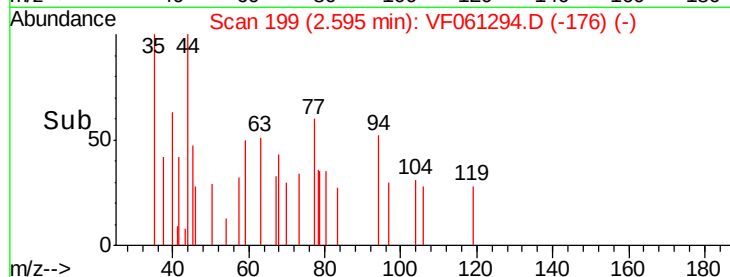
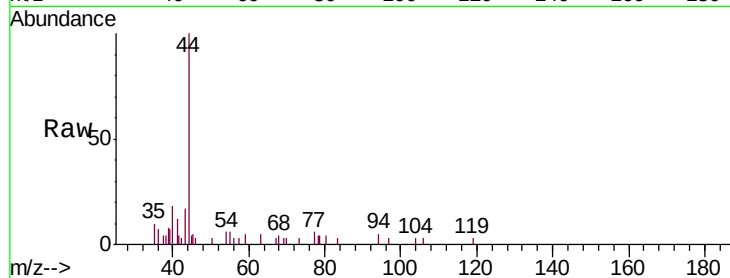




#11
Tert butyl alcohol
Concen: 4.489 ug/l
RT: 2.60 min Scan# 199
Delta R.T. 0.03 min
Lab File: VF061294.D
Acq: 9 Jan 2019 11:45

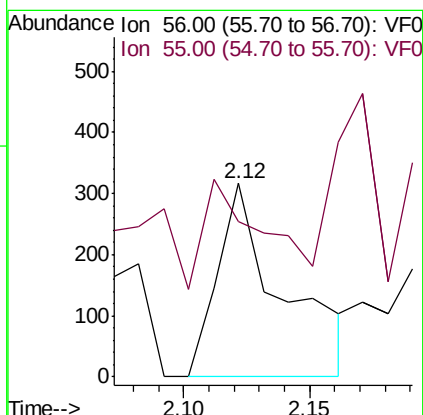
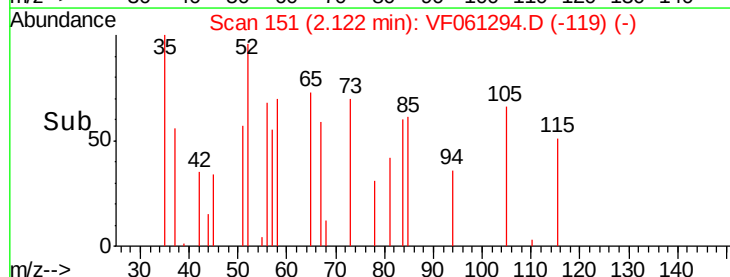
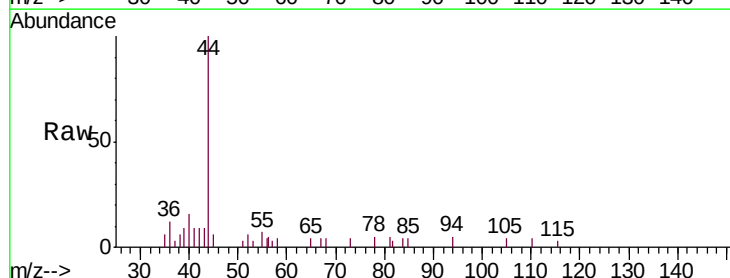
Instrument :
MSVOA_F
ClientSampleId :
VF0109SBL01

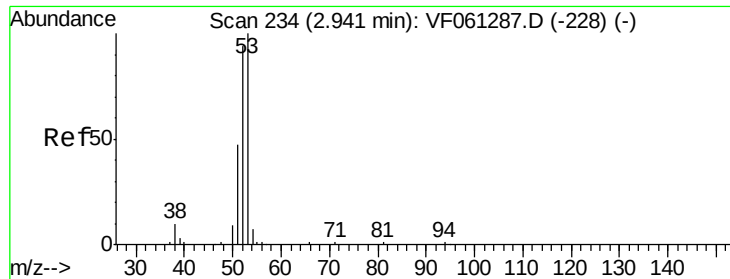
Tgt Ion: 59 Resp: 486
Ion Ratio Lower Upper
59 100
57 63.8 15.1 22.7#



#13
Acrolein
Concen: Below Cal
RT: 2.12 min Scan# 151
Delta R.T. 0.12 min
Lab File: VF061294.D
Acq: 9 Jan 2019 11:45

Tgt Ion: 56 Resp: 566
Ion Ratio Lower Upper
56 100
55 80.1 59.4 89.0





#15

Acrylonitrile

Concen: 3.194 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.01 min

Lab File: VF061294.D

Acq: 9 Jan 2019 11:45

Instrument :

MSVOA_F

ClientSampleId :

VF0109SBL01

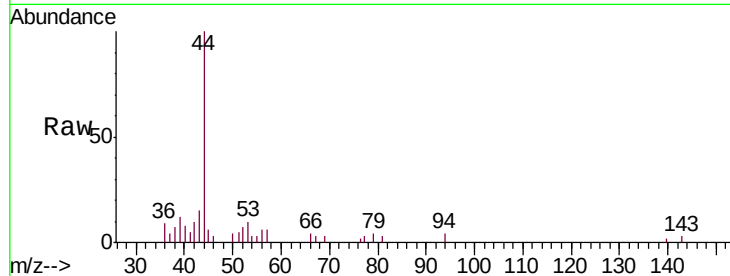
Tgt Ion: 53 Resp: 1226

Ion Ratio Lower Upper

53 100

52 70.0 74.6 111.8#

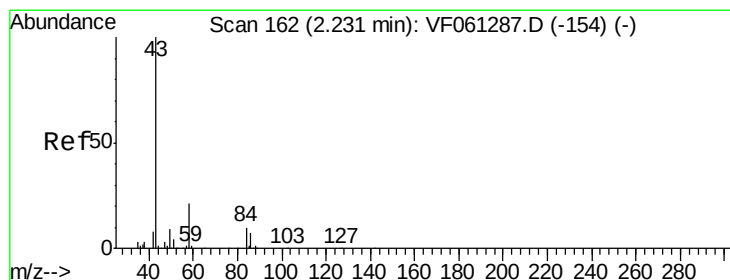
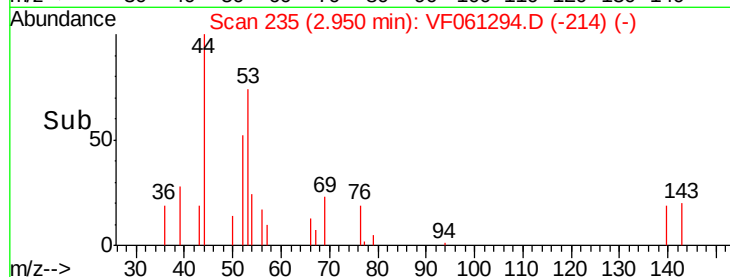
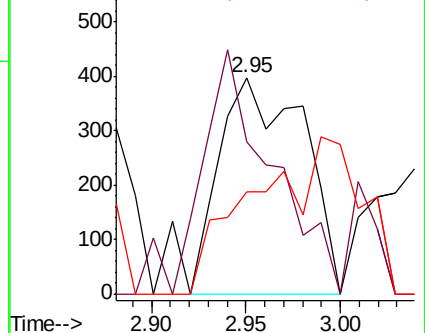
51 47.4 37.8 56.6



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 6.258 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.01 min

Lab File: VF061294.D

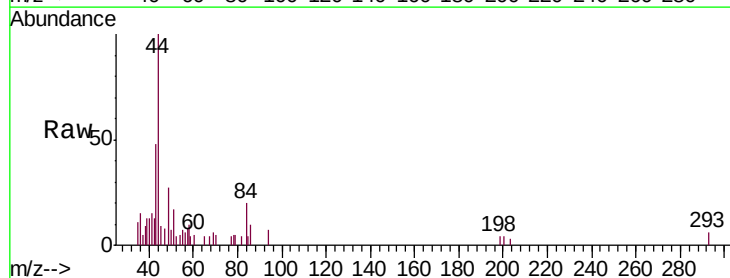
Acq: 9 Jan 2019 11:45

Tgt Ion: 43 Resp: 3937

Ion Ratio Lower Upper

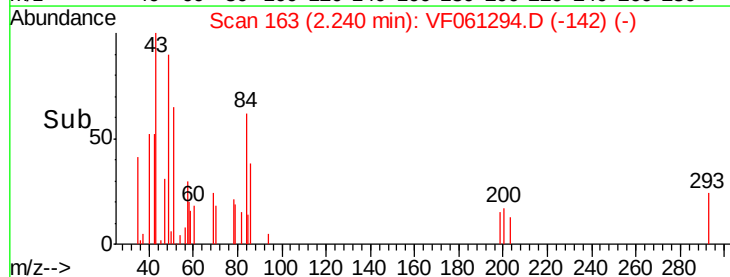
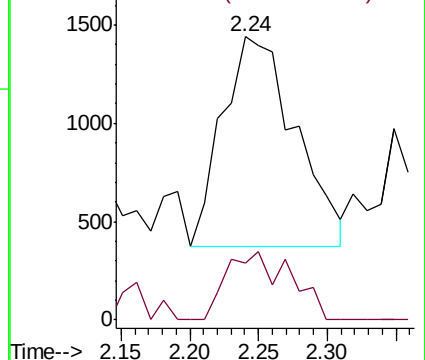
43 100

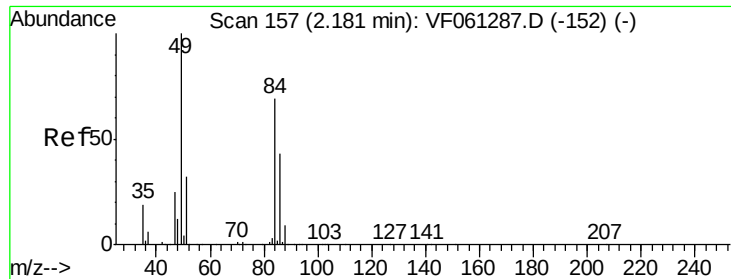
58 20.1 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

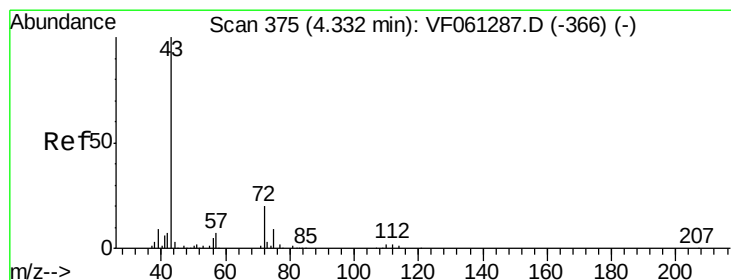
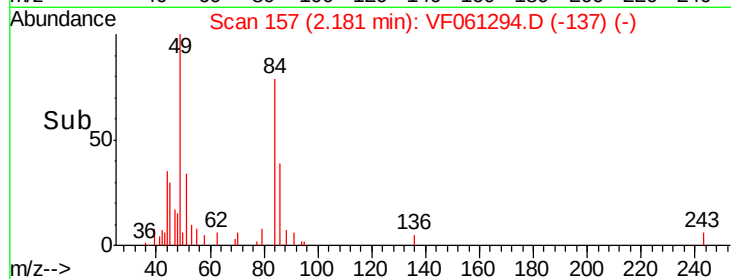
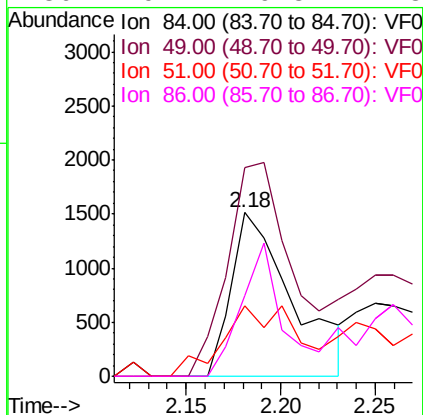
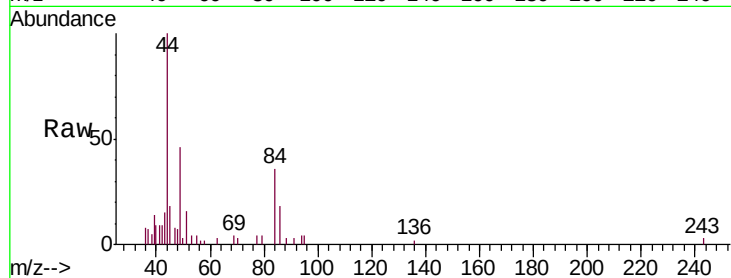




#20
Methylene Chloride
Concen: 1.275 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.00 min
Lab File: VF061294.D
Acq: 9 Jan 2019 11:45

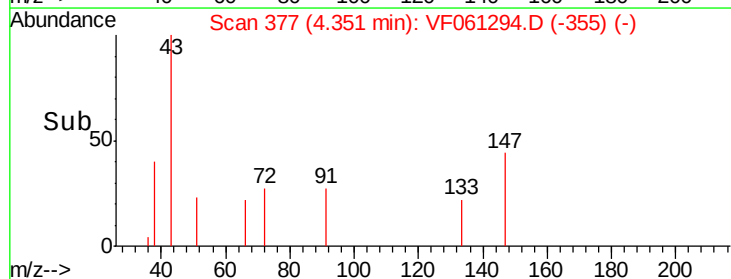
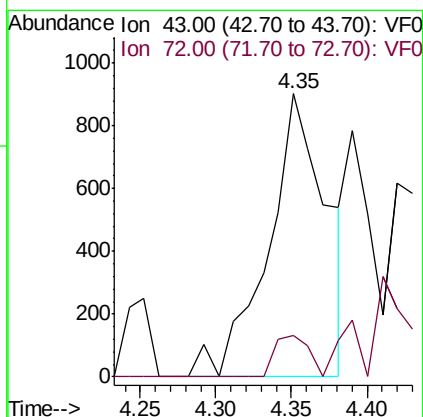
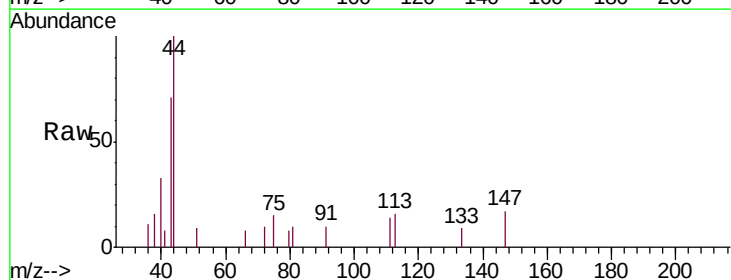
Instrument :
MSVOA_F
ClientSampleId :
VF0109SBL01

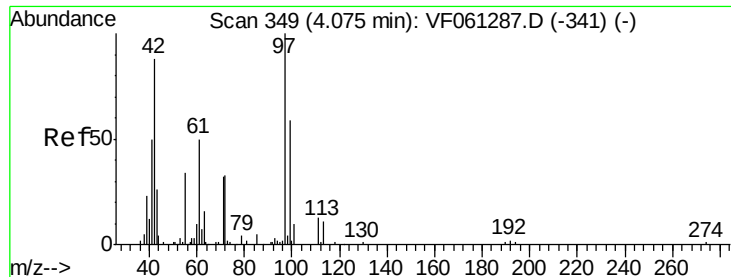
Tgt Ion: 84 Resp: 3394
Ion Ratio Lower Upper
84 100
49 127.4 116.6 175.0
51 42.9 37.7 56.5
86 49.2 49.8 74.8#



#25
2-Butanone
Concen: 2.385 ug/l
RT: 4.35 min Scan# 377
Delta R.T. 0.02 min
Lab File: VF061294.D
Acq: 9 Jan 2019 11:45

Tgt Ion: 43 Resp: 2415
Ion Ratio Lower Upper
43 100
72 14.5 16.5 24.7#





#29

Tetrahydrofuran

Concen: 1.687 ug/l

RT: 4.09 min Scan# 351

Delta R.T. 0.02 min

Lab File: VF061294.D

Acq: 9 Jan 2019 11:45

Instrument :

MSVOA_F

ClientSampleId :

VF0109SBL01

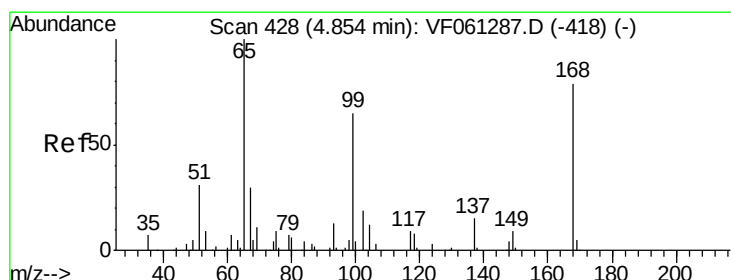
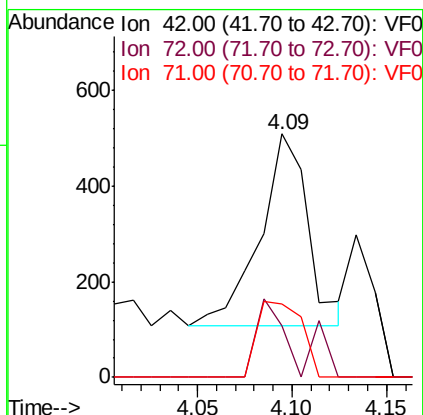
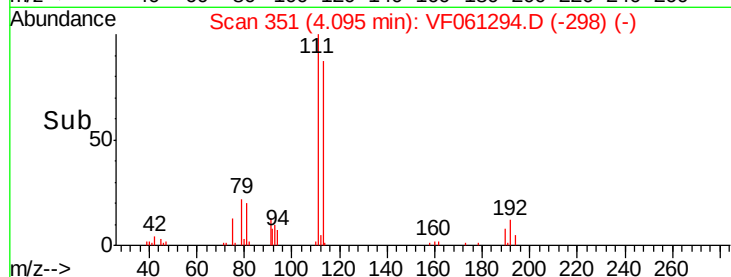
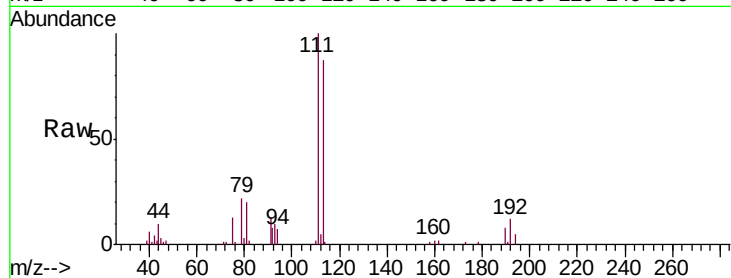
Tgt Ion: 42 Resp: 714

Ion Ratio Lower Upper

42 100

72 32.5 32.3 48.5

71 36.4 29.5 44.3



#33

1,2-Dichloroethane-d4

Concen: 51.728 ug/l

RT: 4.86 min Scan# 429

Delta R.T. 0.01 min

Lab File: VF061294.D

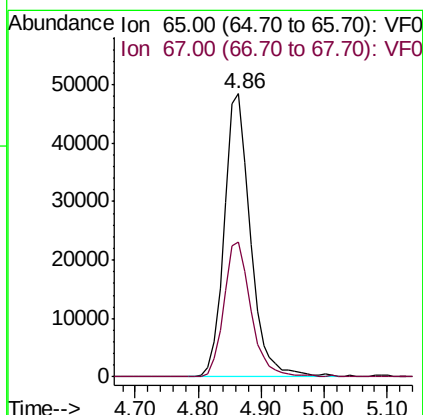
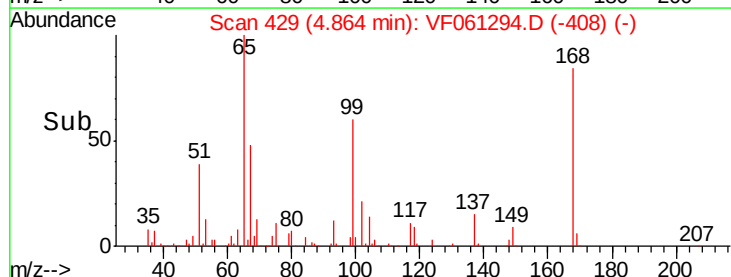
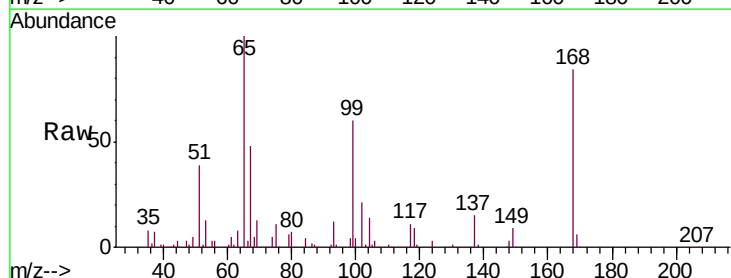
Acq: 9 Jan 2019 11:45

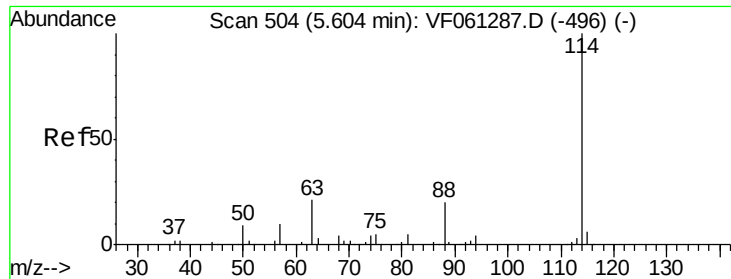
Tgt Ion: 65 Resp: 139886

Ion Ratio Lower Upper

65 100

67 47.8 0.0 98.2

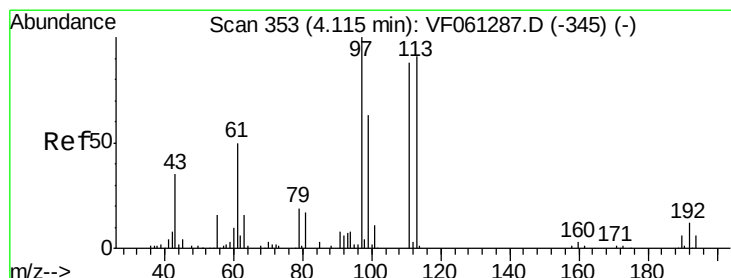
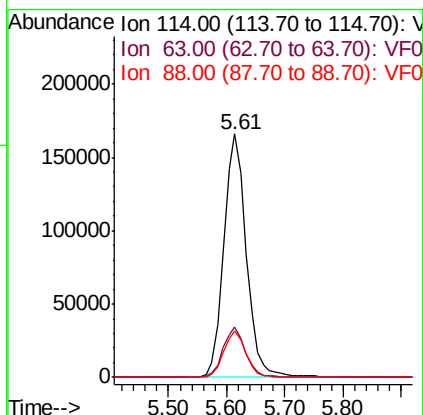
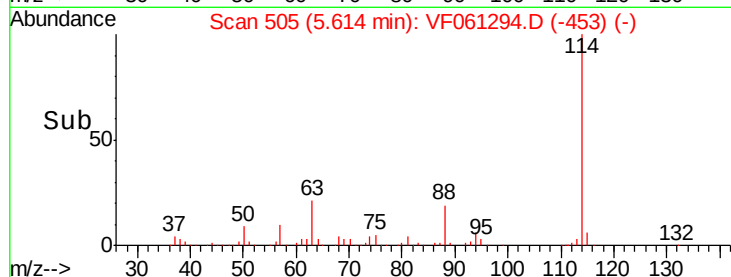
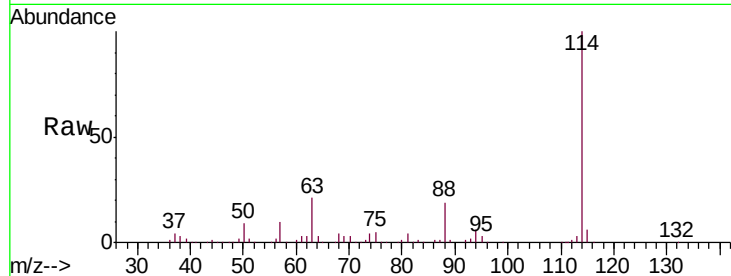




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. 0.01 min
 Lab File: VF061294.D
 Acq: 9 Jan 2019 11:45

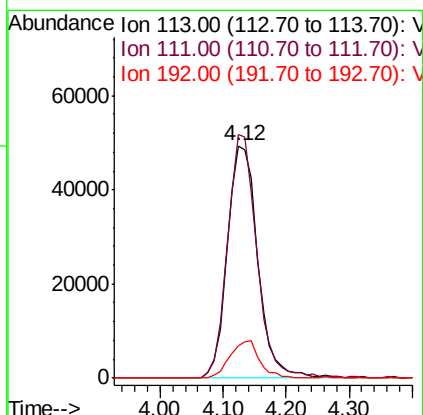
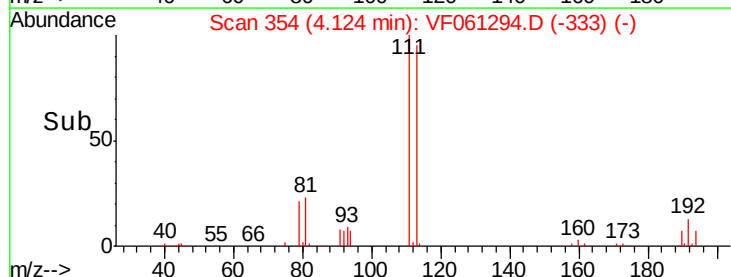
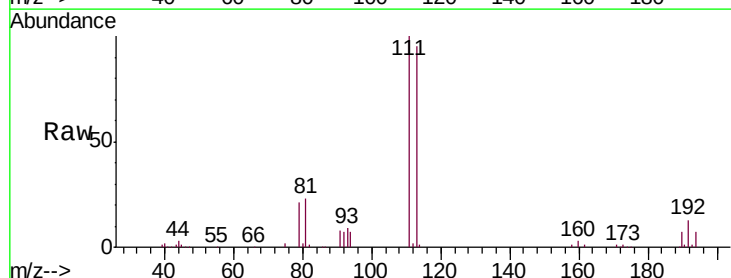
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0109SBL01

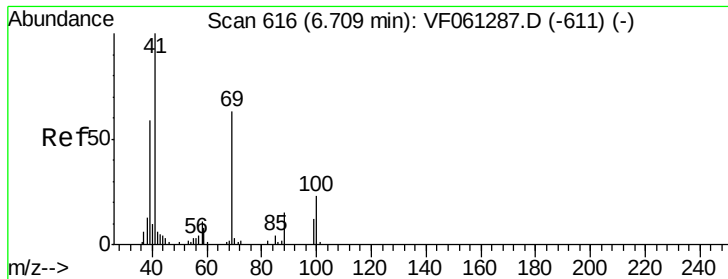
Tgt Ion:114 Resp: 444301
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 42.8
 88 19.4 0.0 40.0



#35
 Dibromofluoromethane
 Concen: 48.405 ug/l
 RT: 4.12 min Scan# 354
 Delta R.T. 0.01 min
 Lab File: VF061294.D
 Acq: 9 Jan 2019 11:45

Tgt Ion:113 Resp: 164559
 Ion Ratio Lower Upper
 113 100
 111 104.8 78.0 117.0
 192 14.1 10.6 16.0

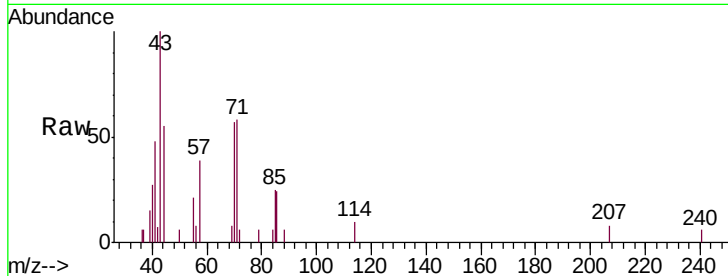




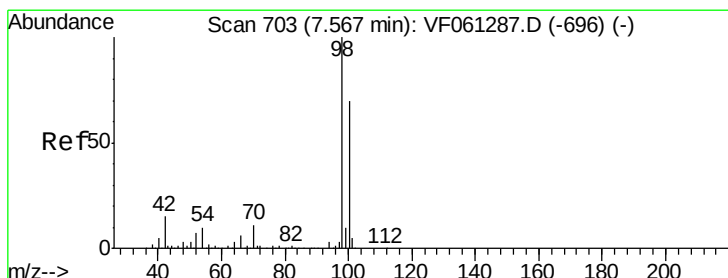
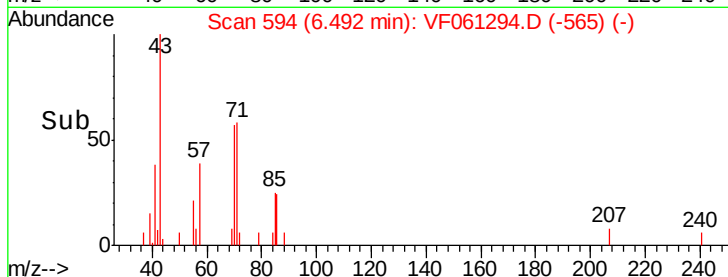
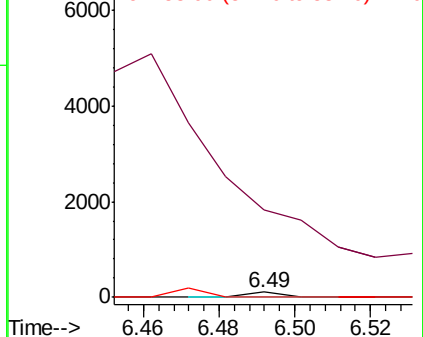
#49
1,4-Dioxane
Concen: 6.264 ug/l
RT: 6.49 min Scan# 594
Delta R.T. -0.22 min
Lab File: VF061294.D
Acq: 9 Jan 2019 11:45

Instrument :
MSVOA_F
ClientSampleId :
VF0109SBL01

Tgt Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 1696.3 38.5 57.7#
58 0.0 57.0 85.4#

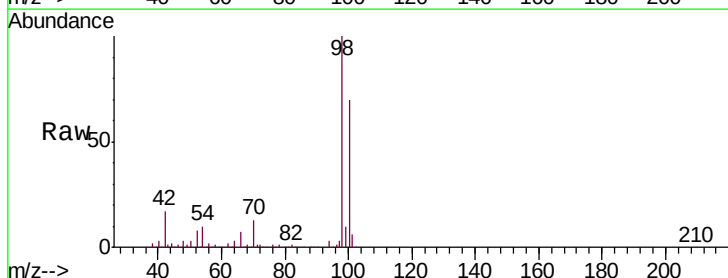


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

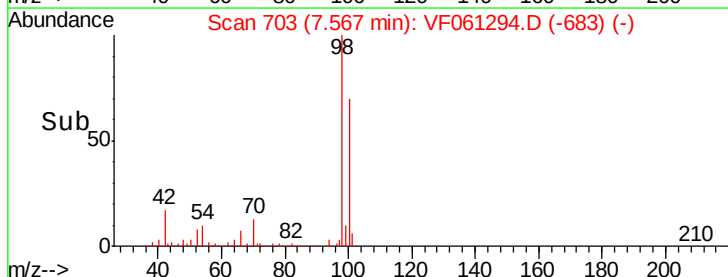
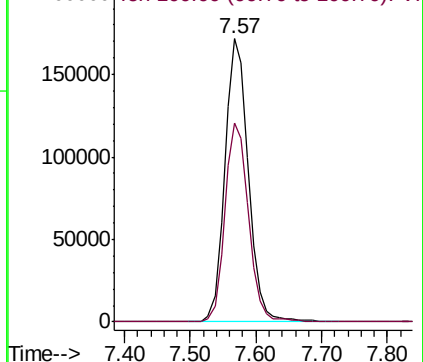


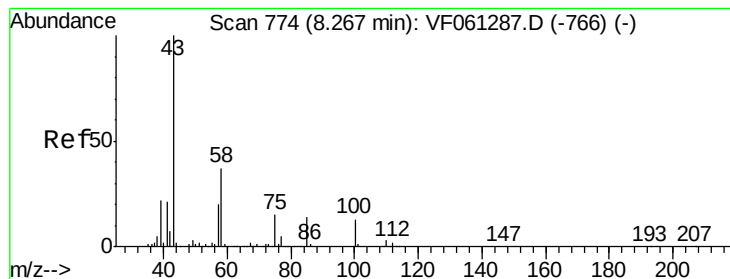
#50
Toluene-d8
Concen: 42.534 ug/l
RT: 7.57 min Scan# 703
Delta R.T. -0.00 min
Lab File: VF061294.D
Acq: 9 Jan 2019 11:45

Tgt Ion: 98 Resp: 427912
Ion Ratio Lower Upper
98 100
100 70.3 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 2.341 ug/l

RT: 8.29 min Scan# 776

Delta R.T. 0.02 min

Lab File: VF061294.D

Acq: 9 Jan 2019 11:45

Instrument :

MSVOA_F

ClientSampleId :

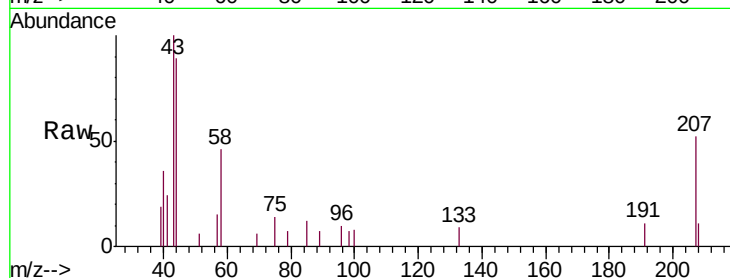
VF0109SBL01

Tgt Ion: 43 Resp: 4408

Ion Ratio Lower Upper

43 100

58 45.5 29.6 44.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2000

1500

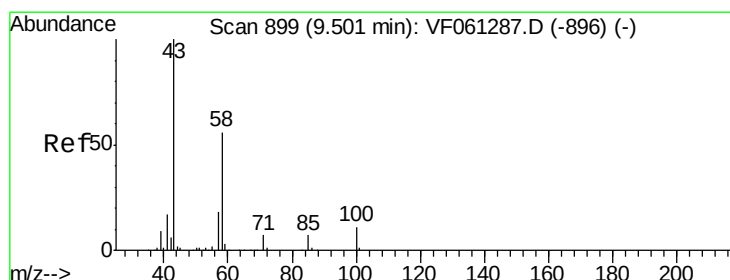
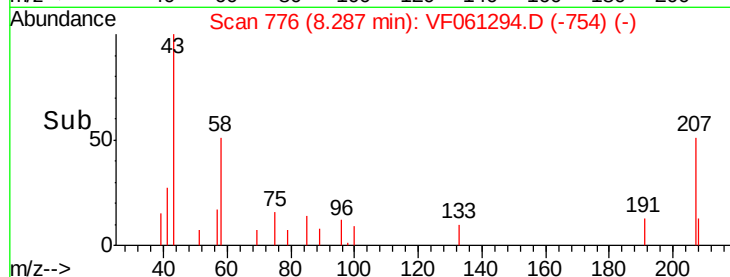
1000

500

0

8.20 8.30 8.40

Time-->



#59

2-Hexanone

Concen: 4.389 ug/l

RT: 9.51 min Scan# 900

Delta R.T. 0.01 min

Lab File: VF061294.D

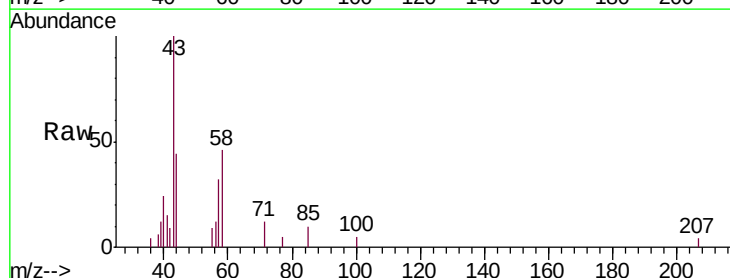
Acq: 9 Jan 2019 11:45

Tgt Ion: 43 Resp: 5854

Ion Ratio Lower Upper

43 100

58 45.7 25.6 76.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

3000

2500

2000

1500

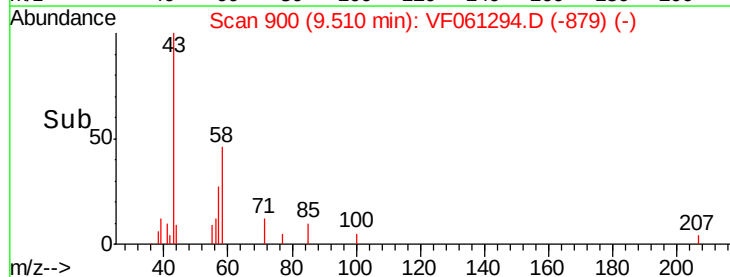
1000

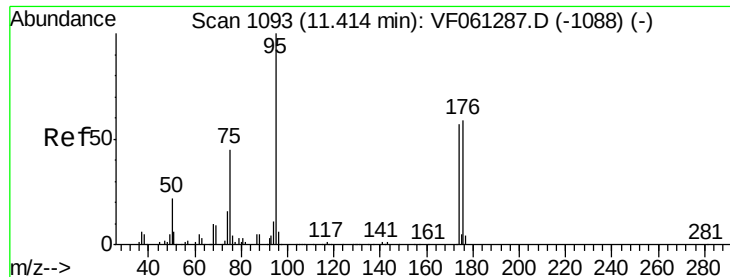
500

0

9.45 9.50 9.55 9.60

Time-->

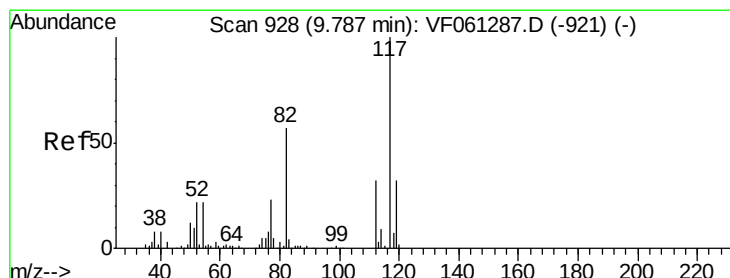
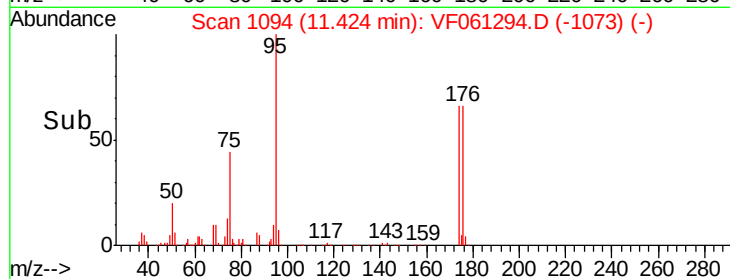
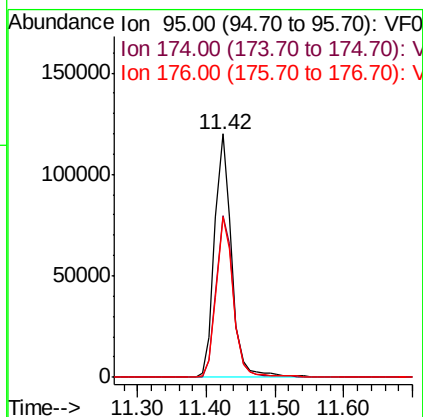
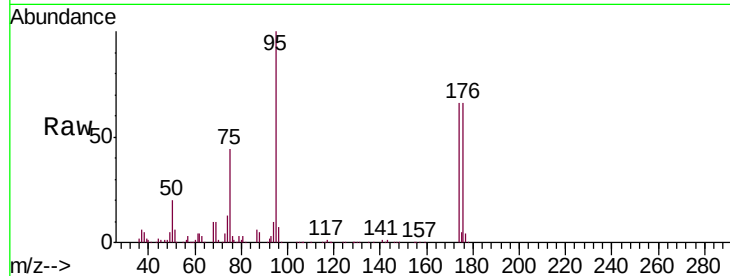




#62
4-Bromofluorobenzene
Concen: 46.840 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VF061294.D
Acq: 9 Jan 2019 11:45

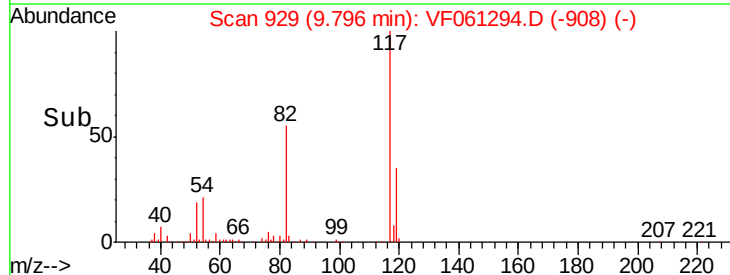
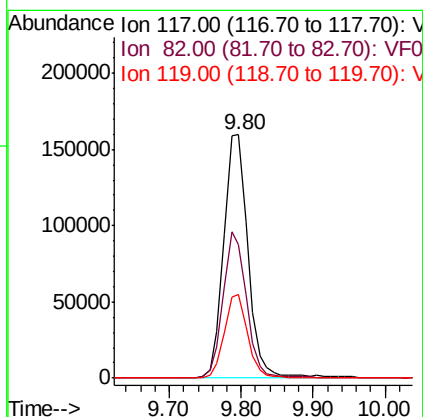
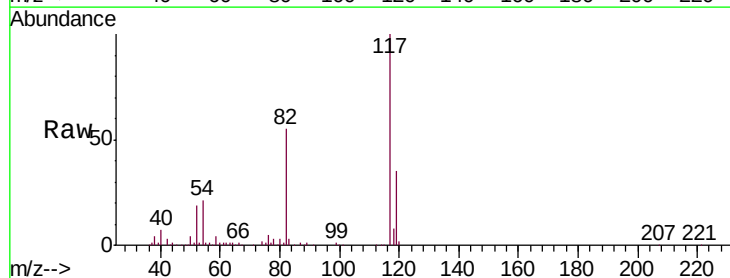
Instrument :
MSVOA_F
ClientSampleId :
VF0109SBL01

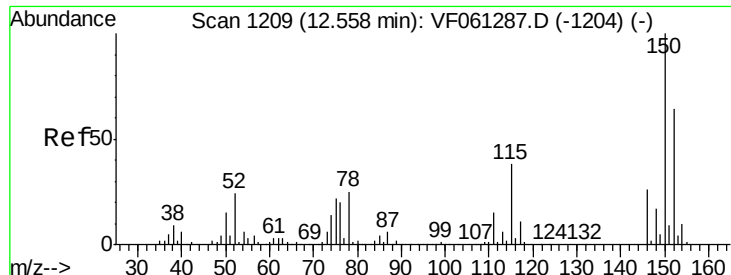
Tgt Ion: 95 Resp: 205765
Ion Ratio Lower Upper
95 100
174 66.3 0.0 114.2
176 65.7 0.0 117.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 929
Delta R.T. 0.01 min
Lab File: VF061294.D
Acq: 9 Jan 2019 11:45

Tgt Ion: 117 Resp: 374818
Ion Ratio Lower Upper
117 100
82 54.9 45.3 67.9
119 34.6 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1209

Delta R.T. -0.00 min

Lab File: VF061294.D

Acq: 9 Jan 2019 11:45

Instrument :

MSVOA_F

ClientSampleId :

VF0109SBL01

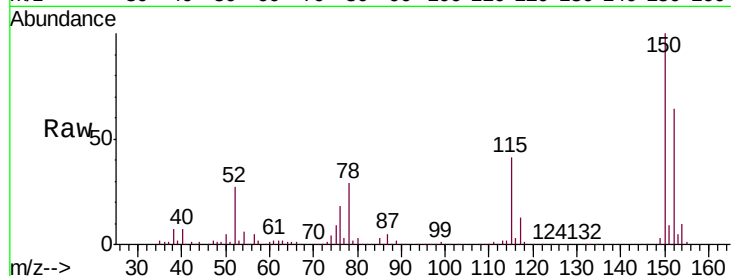
Tgt Ion:152 Resp: 206475

Ion Ratio Lower Upper

152 100

115 64.1 29.6 88.9

150 156.6 0.0 315.4

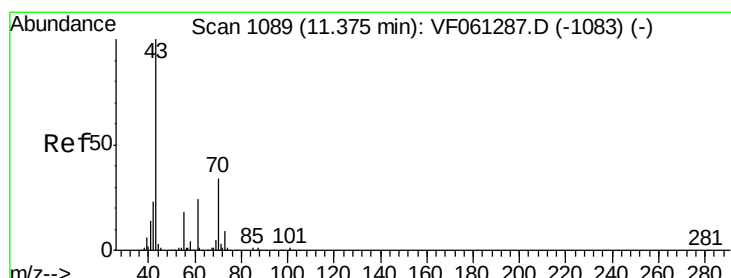
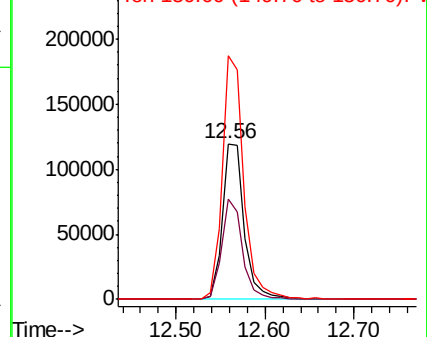
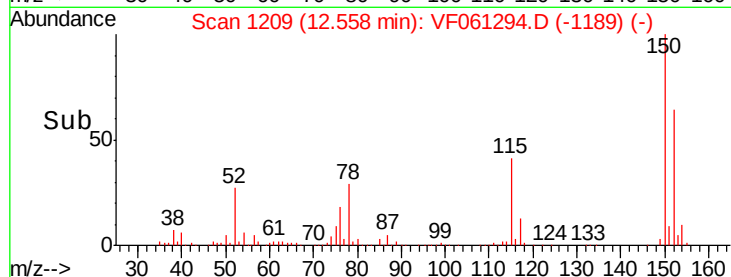


Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



#74

N-ethyl acetate

Concen: 1.187 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. 0.01 min

Lab File: VF061294.D

Acq: 9 Jan 2019 11:45

Tgt Ion: 43 Resp: 4903

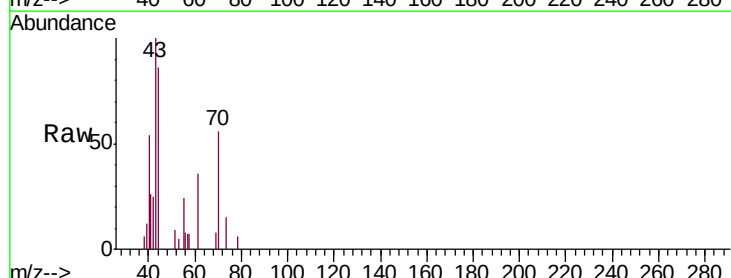
Ion Ratio Lower Upper

43 100

70 56.2 27.4 41.0#

55 23.6 14.7 22.1#

61 35.9 19.0 28.4#



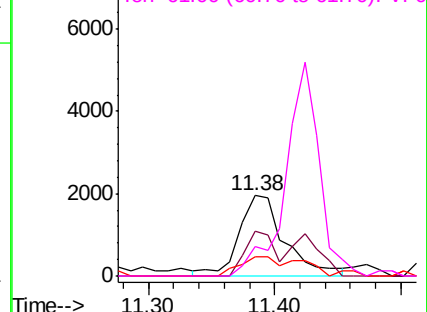
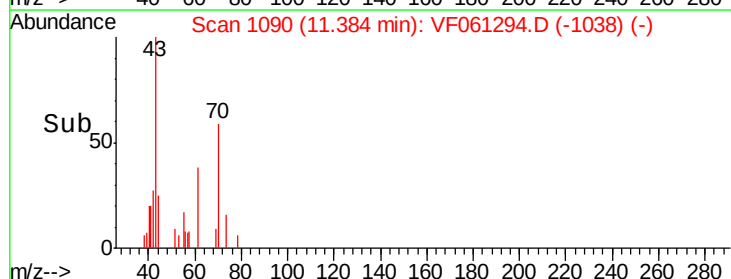
Abundance

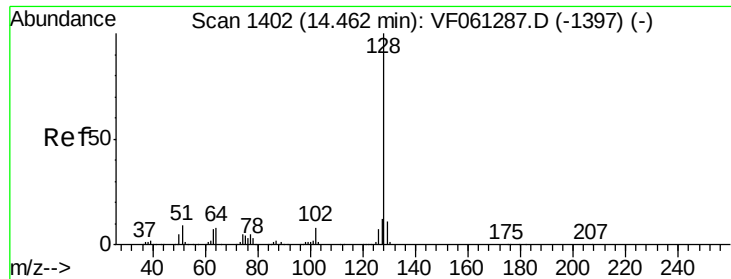
Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

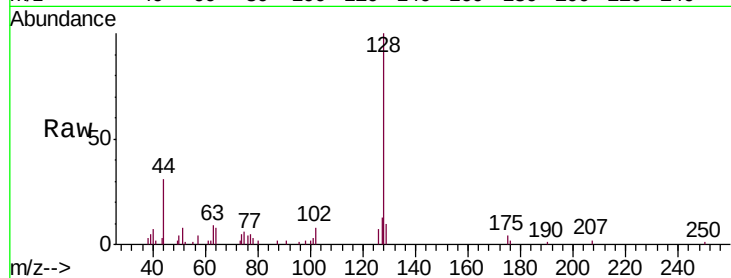




#95
 Naphthalene
 Concen: 1.498 ug/l
 RT: 14.47 min Scan# 1403
 Delta R.T. 0.01 min
 Lab File: VF061294.D
 Acq: 9 Jan 2019 11:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0109SBL01

Tgt Ion:128 Resp: 13086
 Ion Ratio Lower Upper
 128 100
 127 13.4 9.4 14.0
 129 10.4 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

