

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012119\
 Data File : VF061469.D
 Acq On : 21 Jan 2019 12:56
 Operator : VA/AP
 Sample : VF0121SBL01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0121SBL01

Quant Time: Jan 22 06:28:09 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

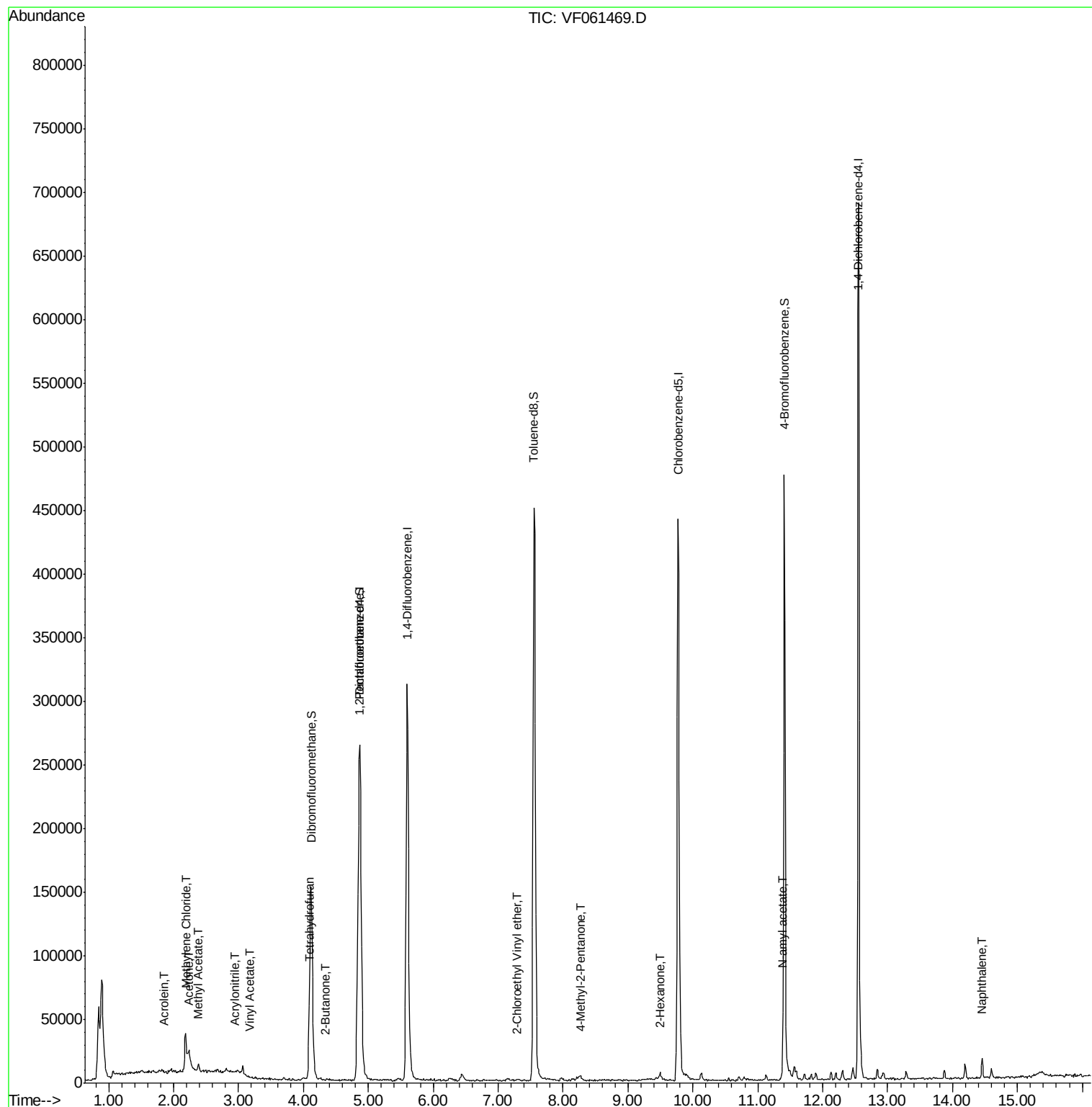
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	197657	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	356914	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	314382	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	172845	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	113720	46.60	ug/l	0.01
Spiked Amount 50.000			Recovery	=	93.20%	
35) Dibromofluoromethane	4.12	113	145918	51.81	ug/l	0.01
Spiked Amount 50.000			Recovery	=	103.62%	
50) Toluene-d8	7.55	98	389876	50.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.06%	
62) 4-Bromofluorobenzene	11.41	95	185814	51.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.08%	
Target Compounds						
					Qvalue	
13) Acrolein	1.84	56	280	13.354	ug/l	84
14) Allyl chloride	2.10	41	105	Below Cal	#	69
15) Acrylonitrile	2.93	53	929	3.511	ug/l #	80
16) Acetone	2.24	43	3376	6.896	ug/l #	82
18) Methyl Acetate	2.38	43	2515	2.590	ug/l #	61
20) Methylene Chloride	2.19	84	14303	7.099	ug/l #	91
23) Vinyl Acetate	3.17	43	1882	3.869	ug/l #	78
25) 2-Butanone	4.34	43	1349	1.657	ug/l #	57
29) Tetrahydrofuran	4.08	42	876	2.499	ug/l #	38
49) 1,4-Dioxane	6.34	88	62	Below Cal	#	13
51) 4-Methyl-2-Pentanone	8.26	43	3101	2.032	ug/l #	84
58) 2-Chloroethyl Vinyl ether	7.29	63	252	28.585	ug/l #	47
59) 2-Hexanone	9.49	43	6137	5.766	ug/l	97
74) N-amyl acetate	11.38	43	4843	1.457	ug/l #	82
95) Naphthalene	14.46	128	9888	1.338	ug/l #	90

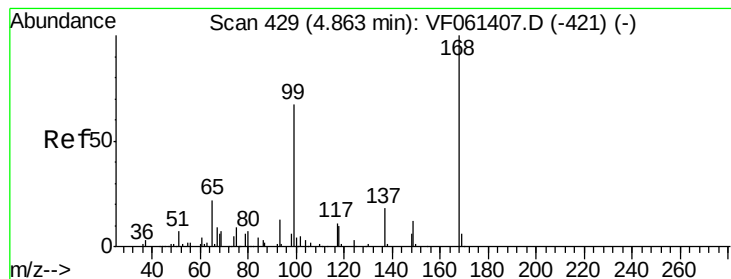
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.00 min

Lab File: VF061469.D

Acq: 21 Jan 2019 12:56

Instrument :

MSVOA_F

ClientSampleId :

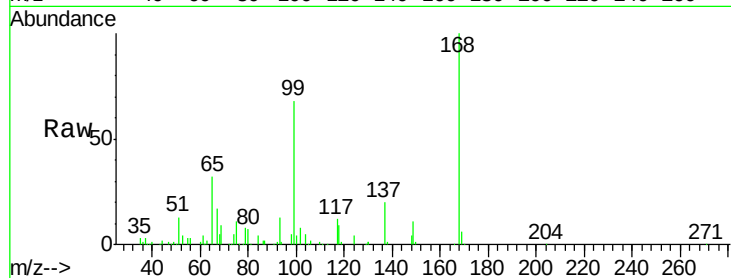
VF0121SBL01

Tot Ion:168 Resp: 197657

Ion Ratio Lower Upper

168 100

99 68.3 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

60000

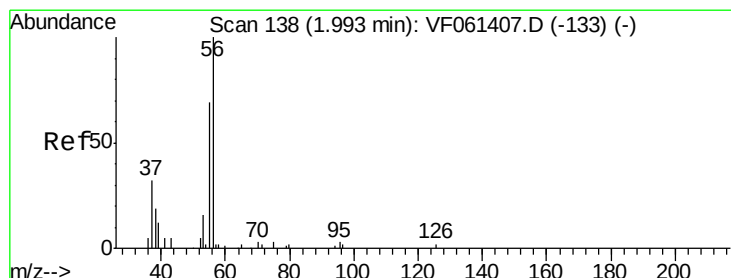
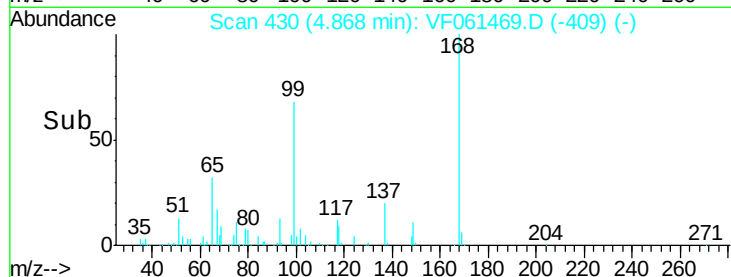
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#13

Acrolein

Concen: 13.354 ug/l

RT: 1.84 min Scan# 123

Delta R.T. -0.15 min

Lab File: VF061469.D

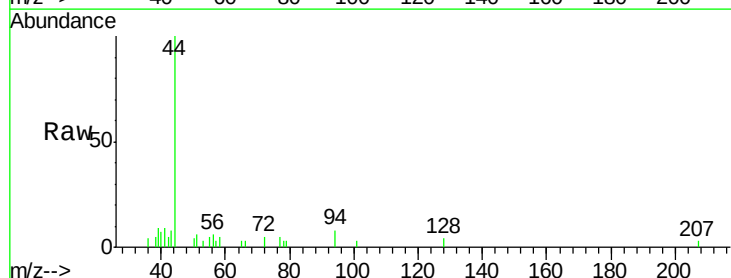
Acq: 21 Jan 2019 12:56

Tgt Ion: 56 Resp: 280

Ion Ratio Lower Upper

56 100

55 84.8 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

1.84

400

300

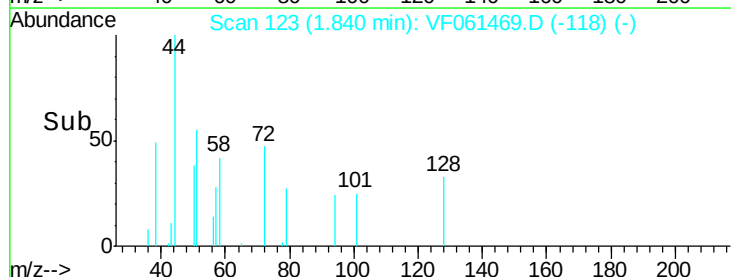
200

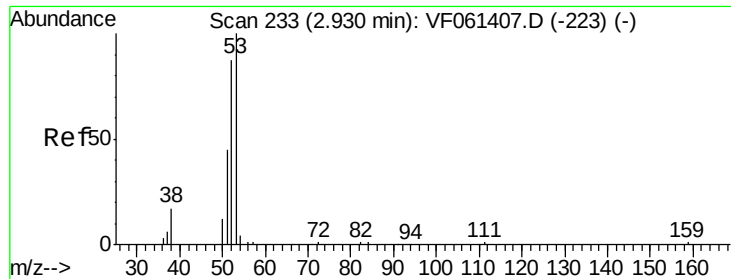
100

0

Time-->

1.80 1.82 1.84 1.86 1.88





#15

Acrylonitrile

Concen: 3.511 ug/l

RT: 2.93 min Scan# 234

Delta R.T. 0.00 min

Lab File: VF061469.D

Acq: 21 Jan 2019 12:56

Instrument :

MSVOA_F

ClientSampleId :

VF0121SBL01

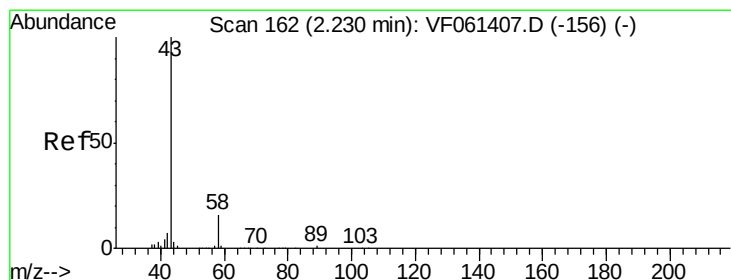
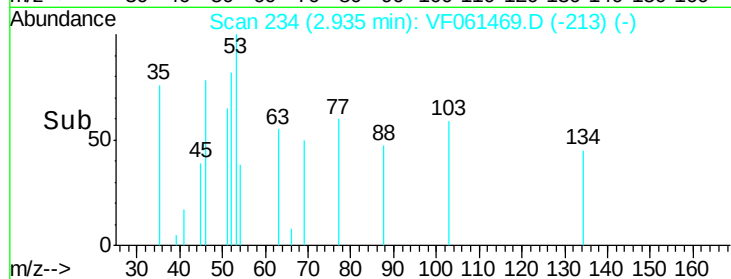
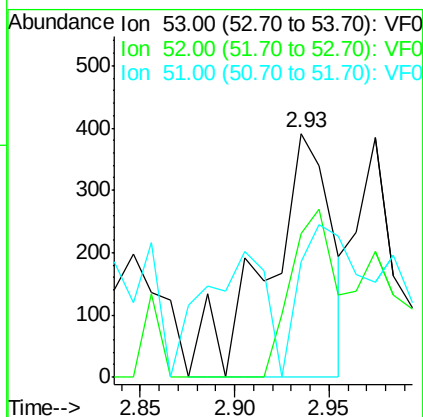
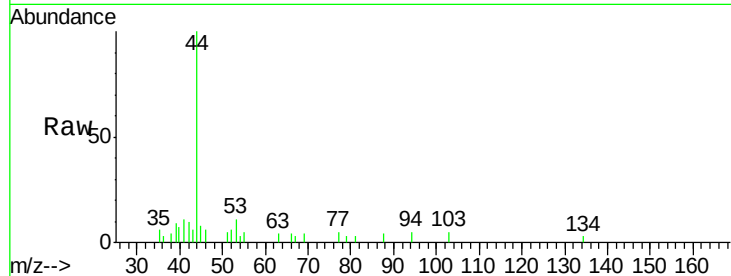
Tot Ion: 53 Resp: 929

Ion Ratio Lower Upper

53 100

52 59.1 69.6 104.4#

51 47.3 36.8 55.2



#16

Acetone

Concen: 6.896 ug/l

RT: 2.24 min Scan# 164

Delta R.T. 0.01 min

Lab File: VF061469.D

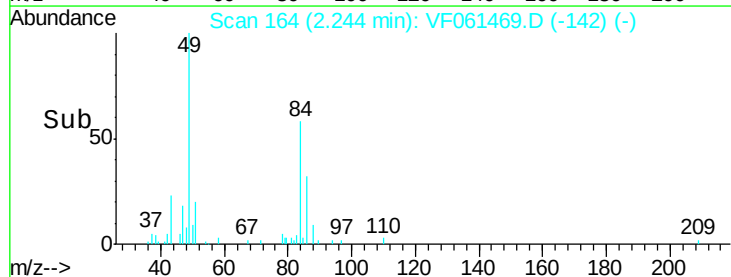
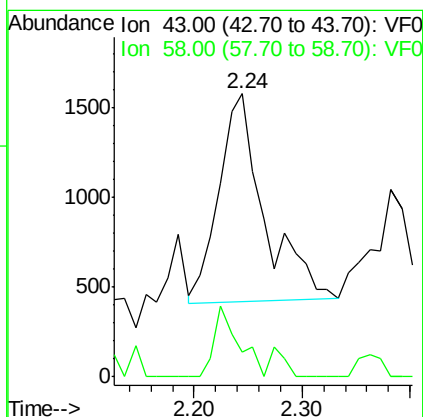
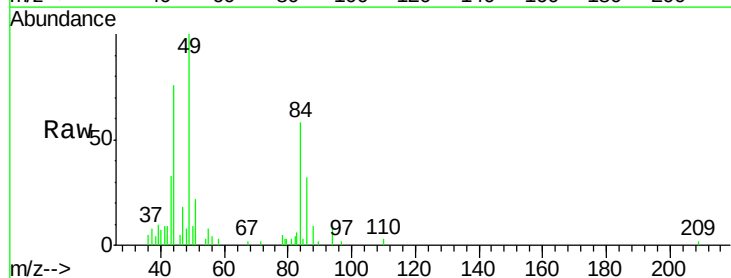
Acq: 21 Jan 2019 12:56

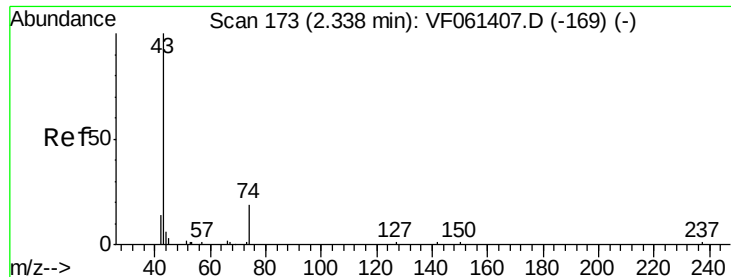
Tgt Ion: 43 Resp: 3376

Ion Ratio Lower Upper

43 100

58 8.7 13.3 19.9#

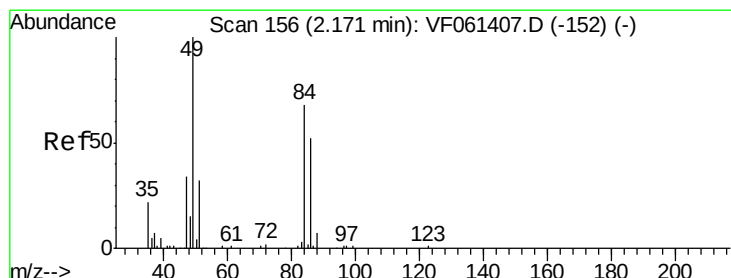
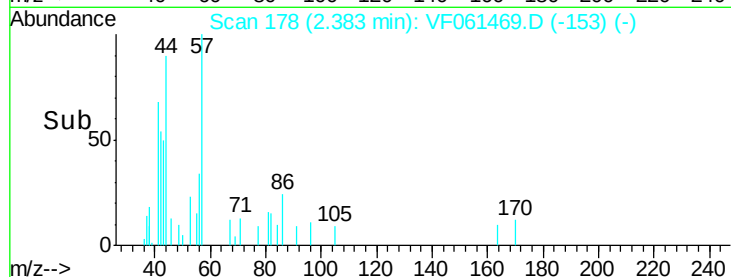
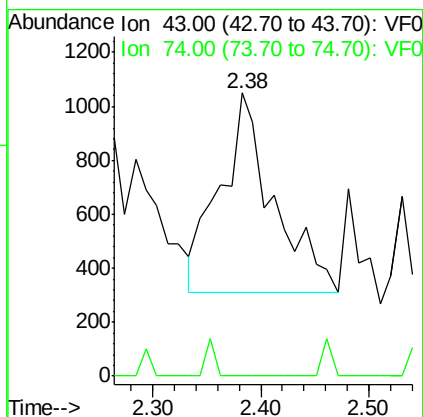
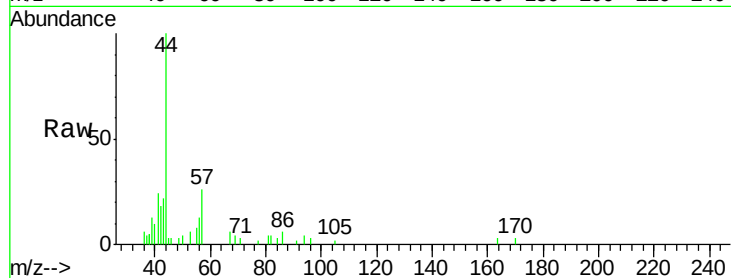




#18
Methyl Acetate
Concen: 2.590 ug/l
RT: 2.38 min Scan# 178
Delta R.T. 0.04 min
Lab File: VF061469.D
Acq: 21 Jan 2019 12:56

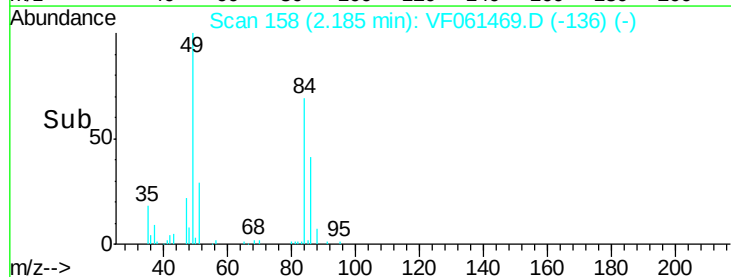
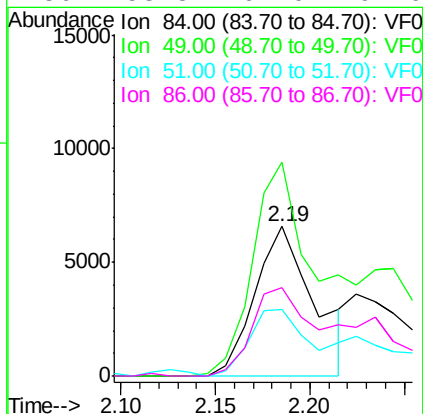
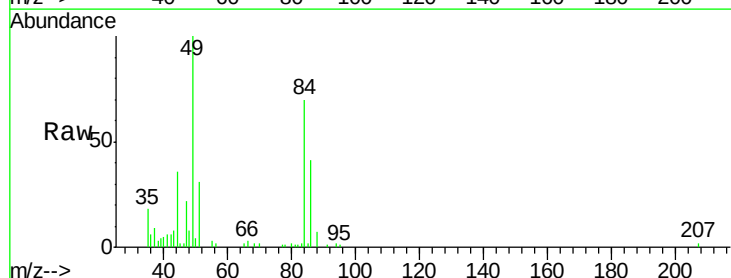
Instrument :
MSVOA_F
ClientSampleId :
VF0121SBL01

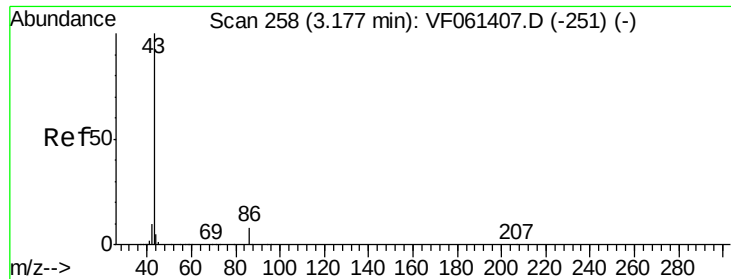
Tot Ion: 43 Resp: 2515
Ion Ratio Lower Upper
43 100
74 0.0 13.4 20.0#



#20
Methylene Chloride
Concen: 7.099 ug/l
RT: 2.19 min Scan# 158
Delta R.T. 0.02 min
Lab File: VF061469.D
Acq: 21 Jan 2019 12:56

Tgt Ion: 84 Resp: 14303
Ion Ratio Lower Upper
84 100
49 143.1 120.0 180.0
51 45.0 38.6 58.0
86 58.8 61.0 91.6#





#23

Vinyl Acetate

Concen: 3.869 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.00 min

Lab File: VF061469.D

Acq: 21 Jan 2019 12:56

Instrument :

MSVOA_F

ClientSampleId :

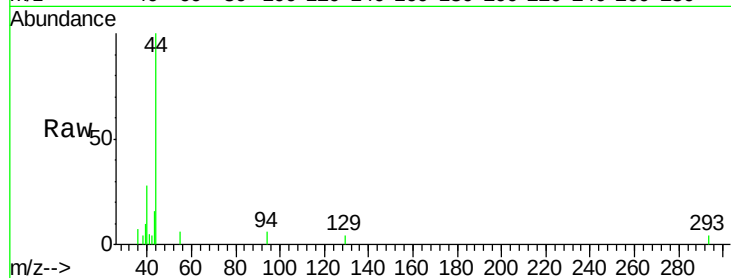
VF0121SBL01

Tot Ion: 43 Resp: 1882

Ion Ratio Lower Upper

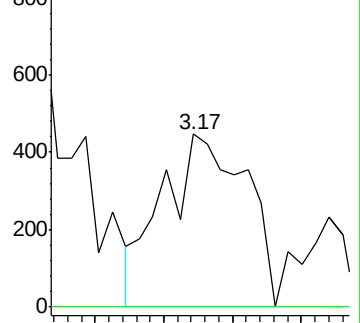
43 100

86 0.0 6.2 9.4#

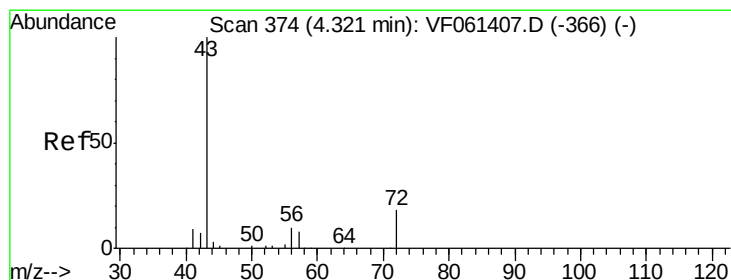
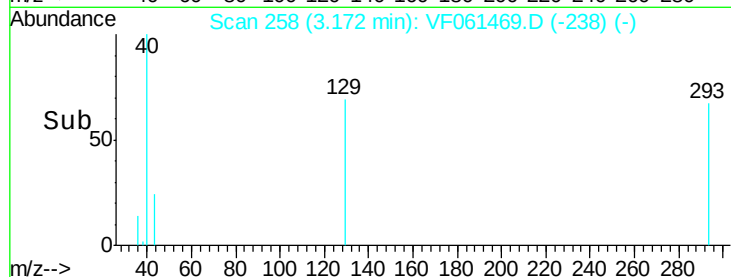


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



Time-->



#25

2-Butanone

Concen: 1.657 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.01 min

Lab File: VF061469.D

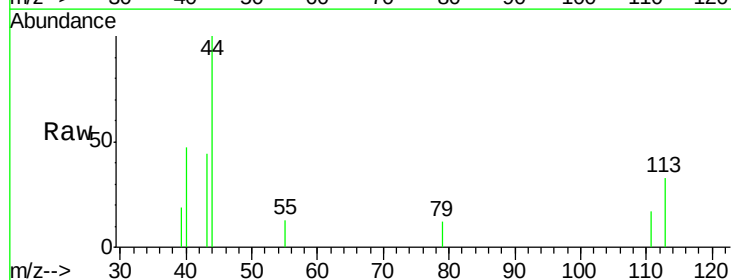
Acq: 21 Jan 2019 12:56

Tgt Ion: 43 Resp: 1349

Ion Ratio Lower Upper

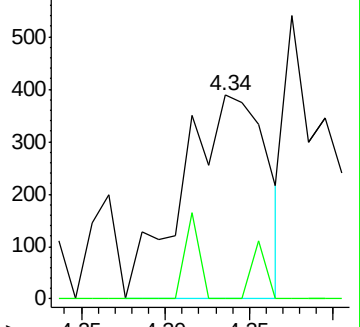
43 100

72 0.0 15.8 23.6#

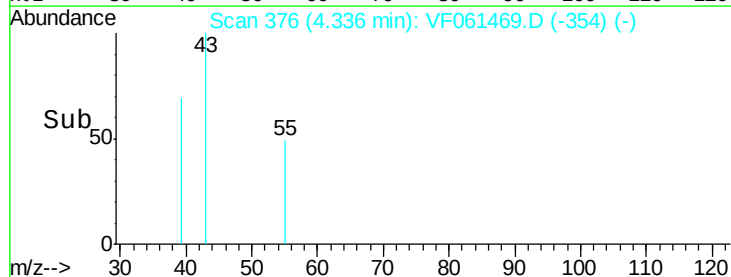


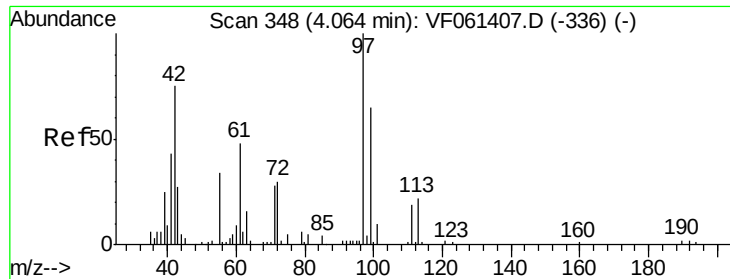
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



Time-->





#29

Tetrahydrofuran

Concen: 2.499 ug/l

RT: 4.08 min Scan# 350

Delta R.T. 0.01 min

Lab File: VF061469.D

Acq: 21 Jan 2019 12:56

Instrument :

MSVOA_F

ClientSampleId :

VF0121SBL01

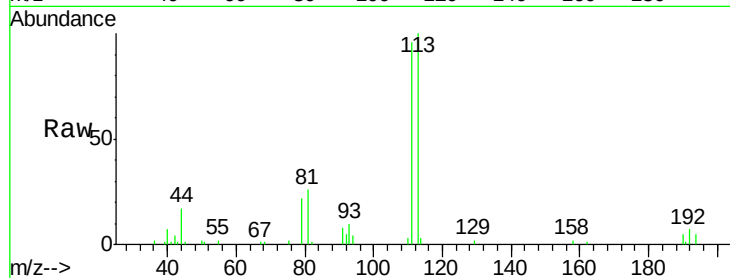
Tot Ion: 42 Resp: 876

Ion Ratio Lower Upper

42 100

72 0.0 28.9 43.3#

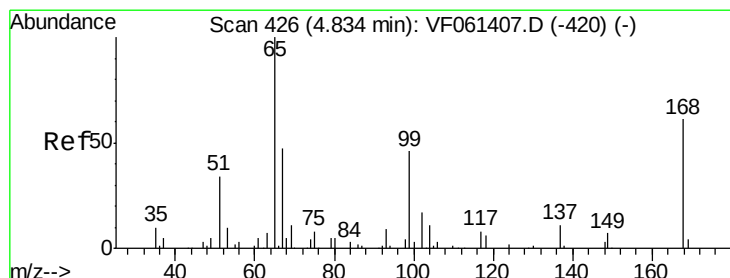
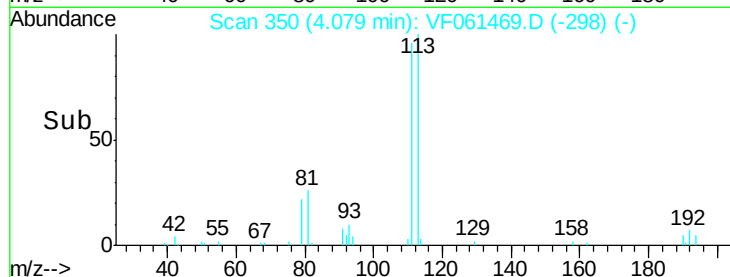
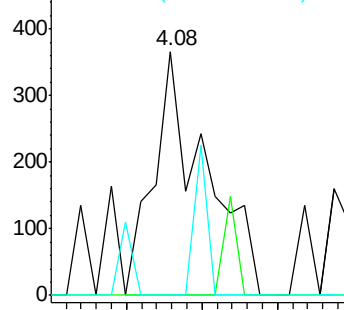
71 0.0 29.6 44.4#



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 46.600 ug/l

RT: 4.85 min Scan# 428

Delta R.T. 0.01 min

Lab File: VF061469.D

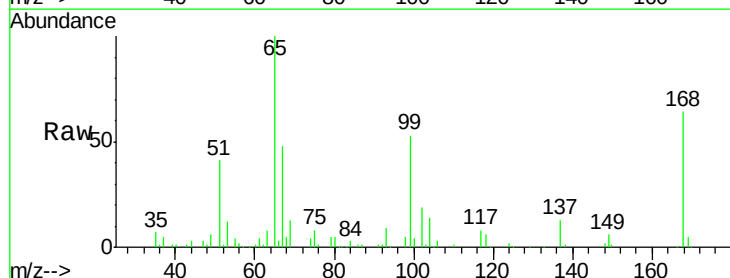
Acq: 21 Jan 2019 12:56

Tgt Ion: 65 Resp: 113720

Ion Ratio Lower Upper

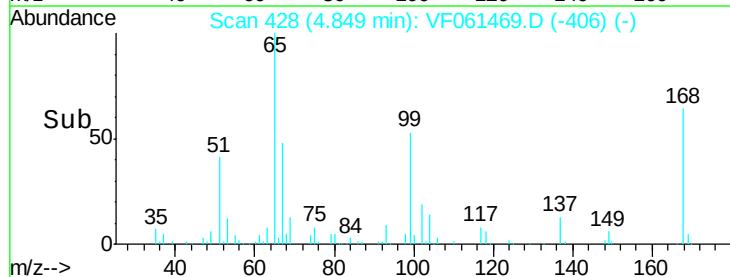
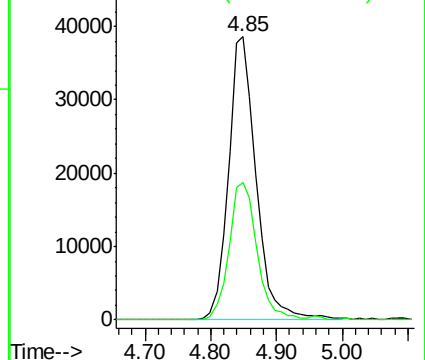
65 100

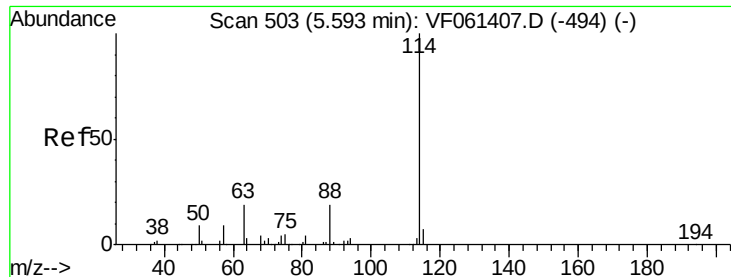
67 48.4 0.0 99.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. 0.00 min

Lab File: VF061469.D

Acq: 21 Jan 2019 12:56

Instrument :

MSVOA_F

ClientSampleId :

VF0121SBL01

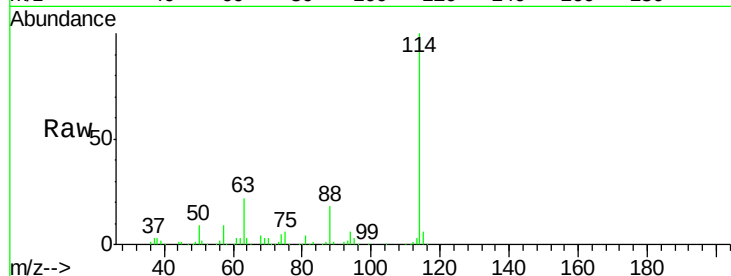
Tot Ion:114 Resp: 356914

Ion Ratio Lower Upper

114 100

63 21.5 0.0 39.0

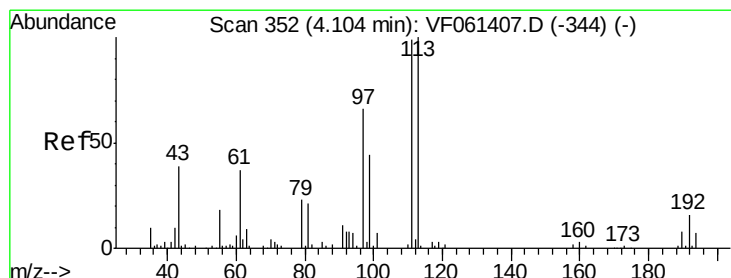
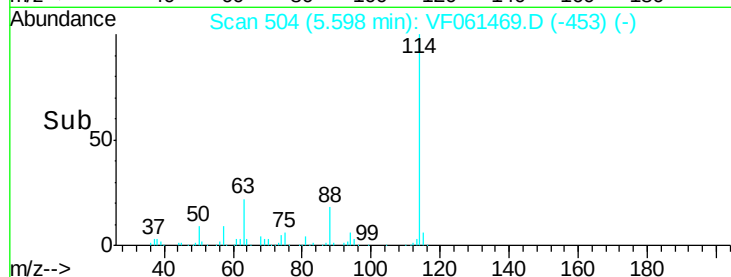
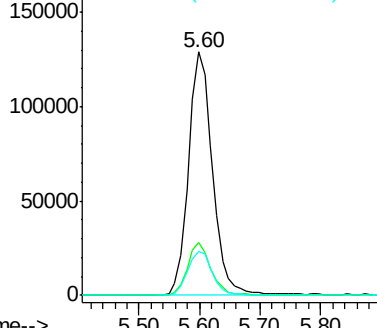
88 18.1 0.0 37.4



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



#35

Dibromofluoromethane

Concen: 51.811 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.01 min

Lab File: VF061469.D

Acq: 21 Jan 2019 12:56

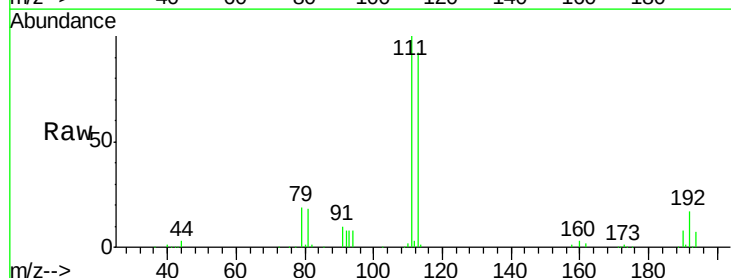
Tgt Ion:113 Resp: 145918

Ion Ratio Lower Upper

113 100

111 108.1 79.4 119.0

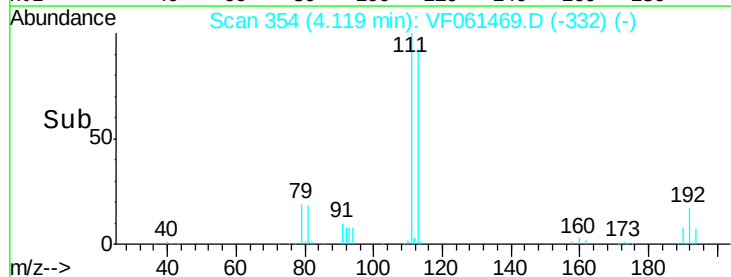
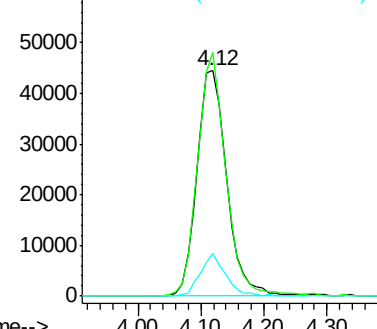
192 18.9 12.4 18.6#

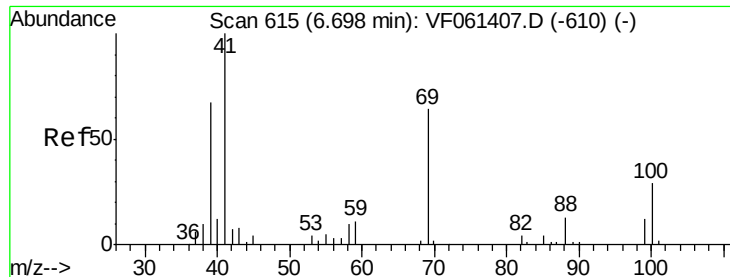


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#49

1,4-Dioxane

Concen: Below Cal

RT: 6.34 min Scan# 579

Delta R.T. -0.36 min

Lab File: VF061469.D

Acq: 21 Jan 2019 12:56

Instrument :

MSVOA_F

ClientSampleId :

VF0121SBL01

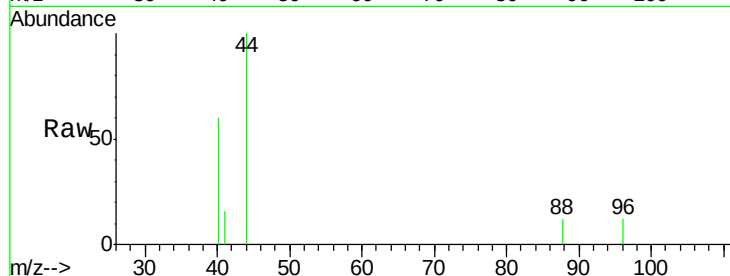
Tot Ion: 88 Resp: 62

Ion Ratio Lower Upper

88 100

43 0.0 55.5 83.3#

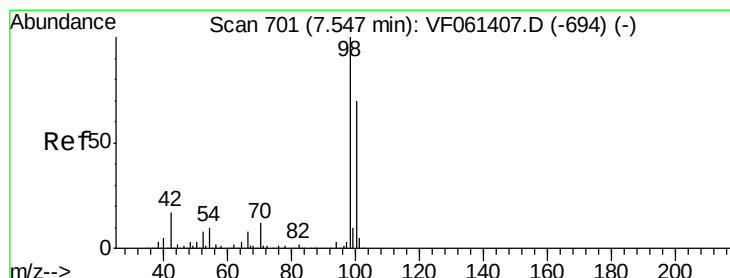
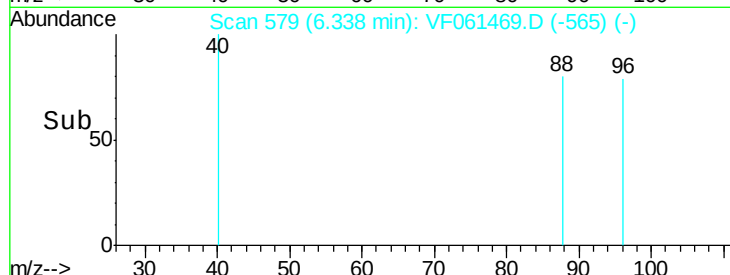
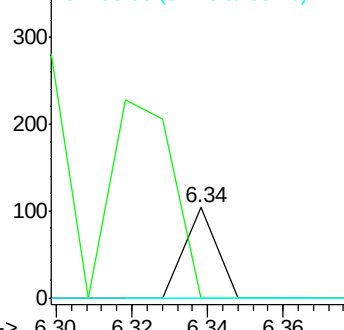
58 0.0 59.9 89.9#



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: 50.526 ug/l

RT: 7.55 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF061469.D

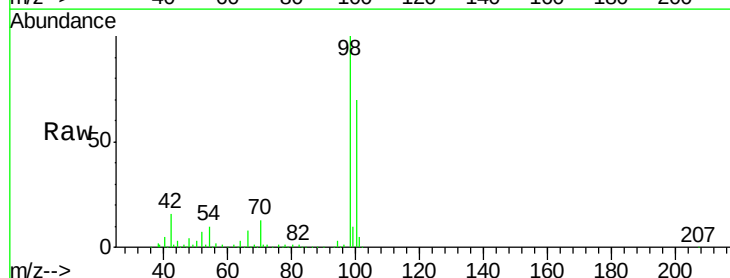
Acq: 21 Jan 2019 12:56

Tgt Ion: 98 Resp: 389876

Ion Ratio Lower Upper

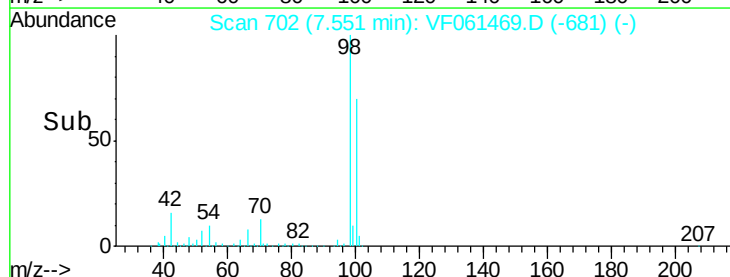
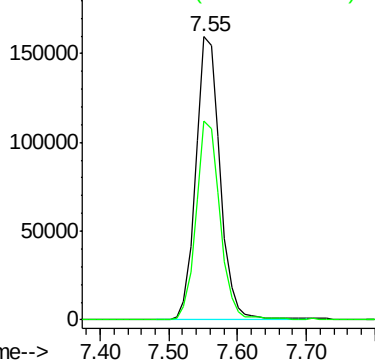
98 100

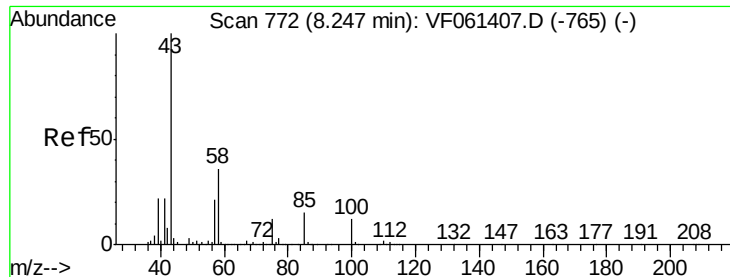
100 70.3 55.6 83.4



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: 2.032 ug/l

RT: 8.26 min Scan# 774

Delta R.T. 0.01 min

Lab File: VF061469.D

Acq: 21 Jan 2019 12:56

Instrument :

MSVOA_F

ClientSampleId :

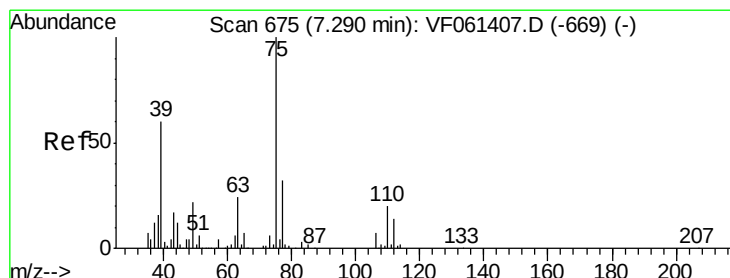
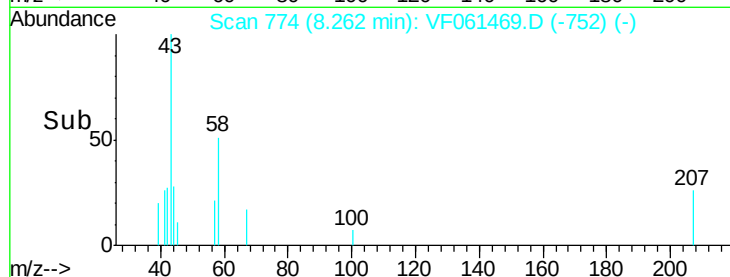
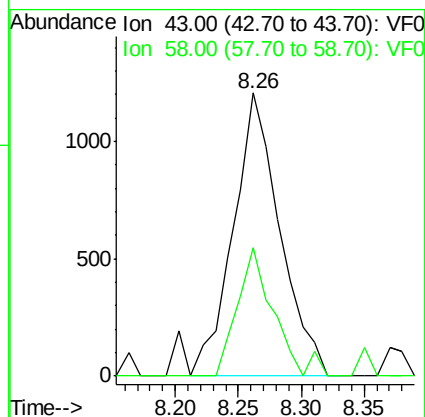
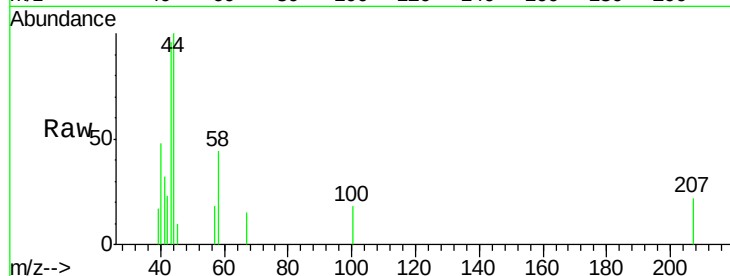
VF0121SBL01

Tot Ion: 43 Resp: 3101

Ion Ratio Lower Upper

43 100

58 45.3 28.8 43.2#



#58

2-Chloroethyl Vinyl ether

Concen: 28.585 ug/l

RT: 7.29 min Scan# 676

Delta R.T. 0.00 min

Lab File: VF061469.D

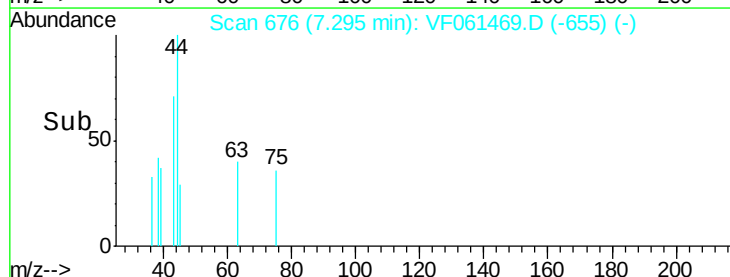
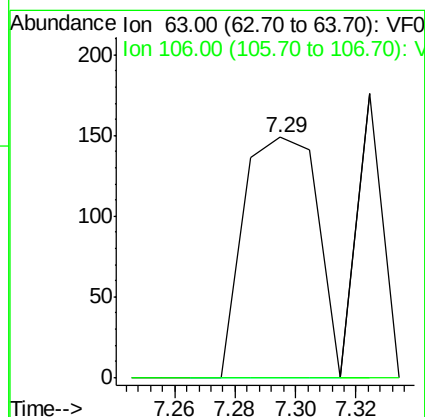
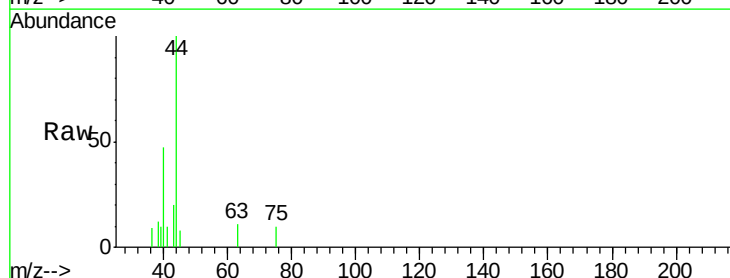
Acq: 21 Jan 2019 12:56

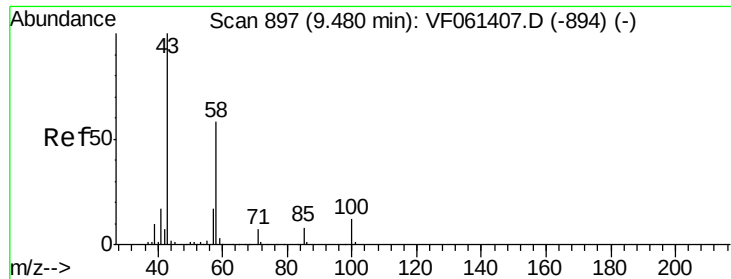
Tgt Ion: 63 Resp: 252

Ion Ratio Lower Upper

63 100

106 0.0 21.9 32.9#





#59

2-Hexanone

Concen: 5.766 ug/l

RT: 9.49 min Scan# 899

Delta R.T. 0.01 min

Lab File: VF061469.D

Acq: 21 Jan 2019 12:56

Instrument :

MSVOA_F

ClientSampleId :

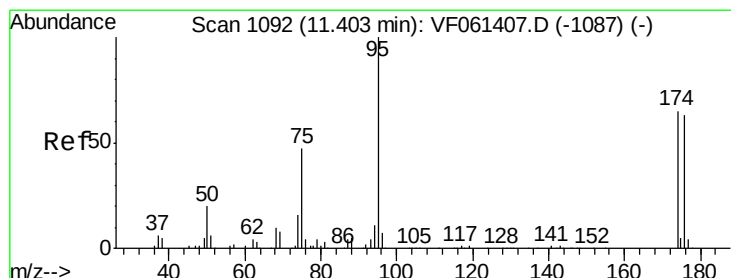
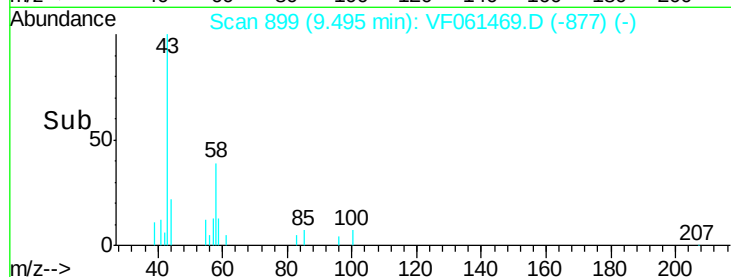
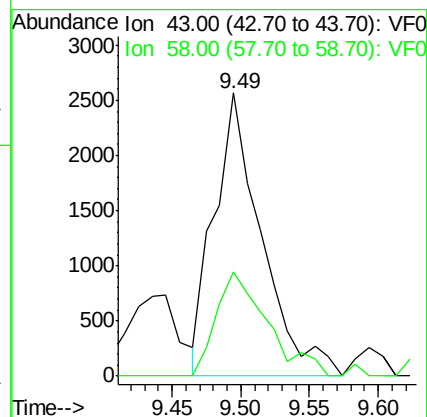
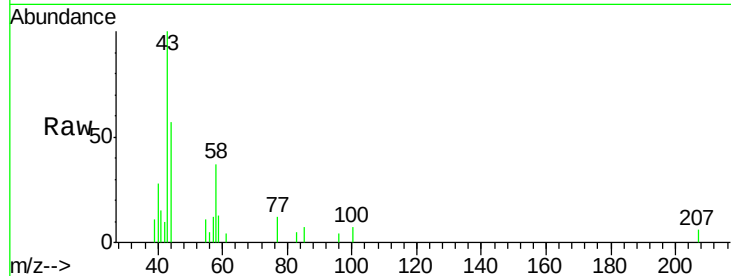
VF0121SBL01

Tot Ion: 43 Resp: 6137

Ion Ratio Lower Upper

43 100

58 49.6 25.9 77.6



#62

4-Bromofluorobenzene

Concen: 51.539 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VF061469.D

Acq: 21 Jan 2019 12:56

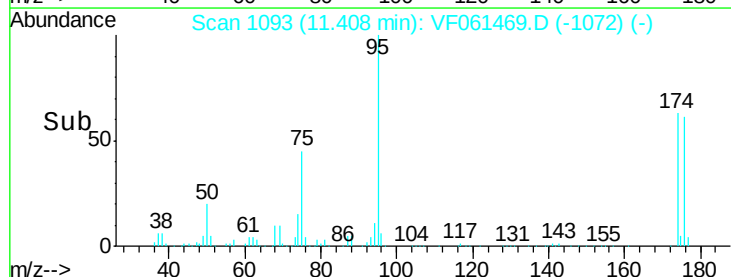
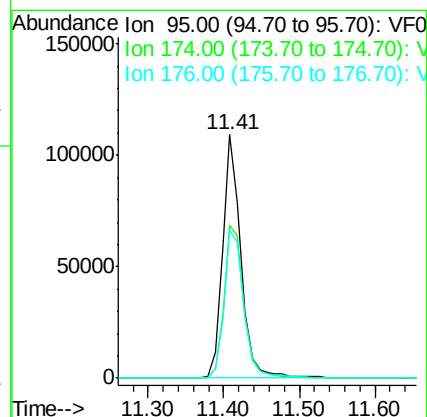
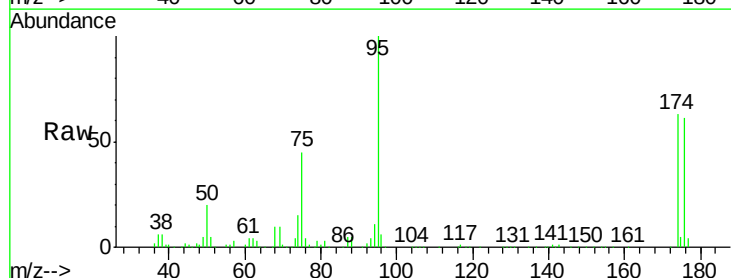
Tgt Ion: 95 Resp: 185814

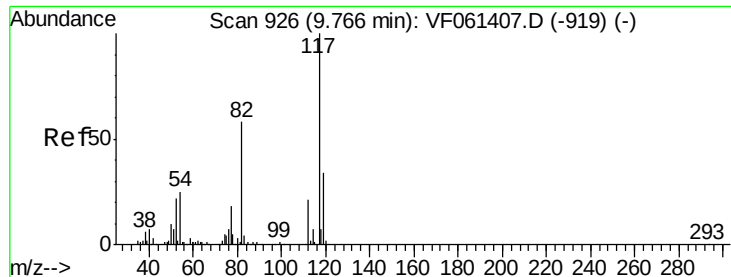
Ion Ratio Lower Upper

95 100

174 62.9 0.0 130.4

176 60.7 0.0 126.2

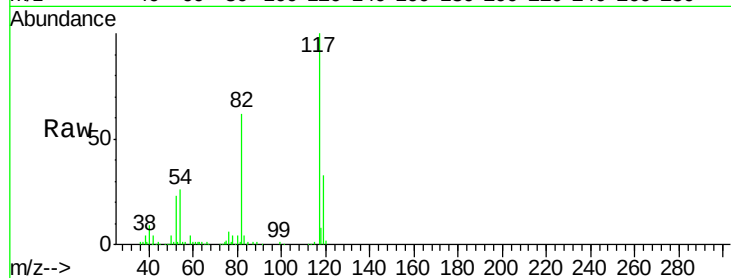




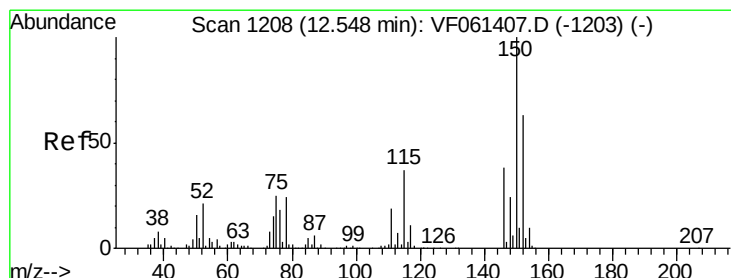
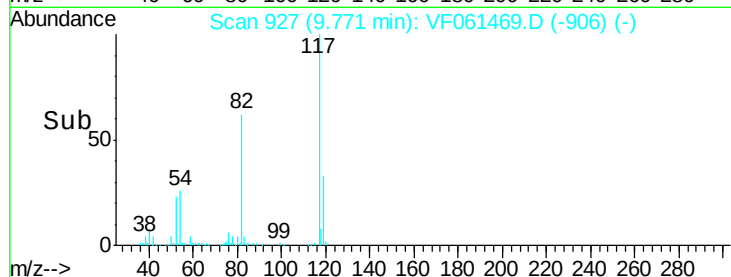
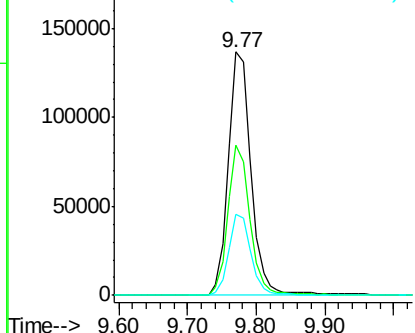
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. 0.00 min
Lab File: VF061469.D
Acq: 21 Jan 2019 12:56

Instrument :
MSVOA_F
ClientSampleId :
VF0121SBL01

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.5	46.4	69.6
119	33.2	27.2	40.8

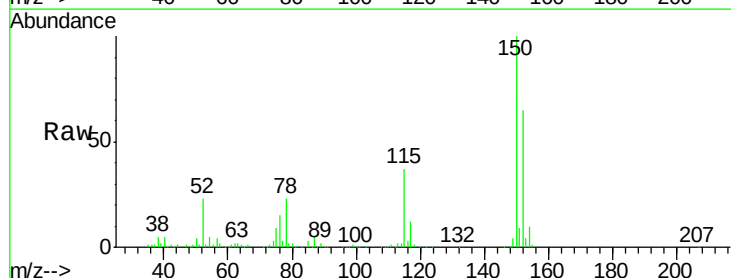


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

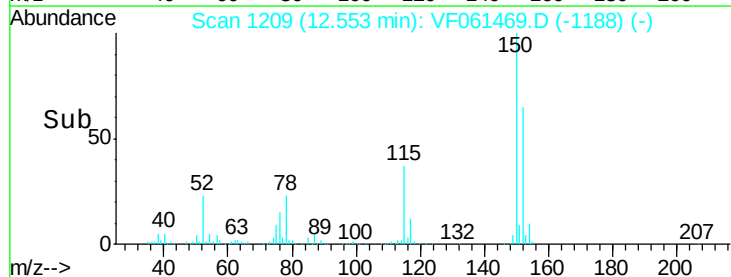
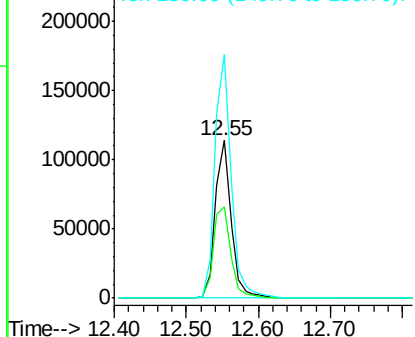


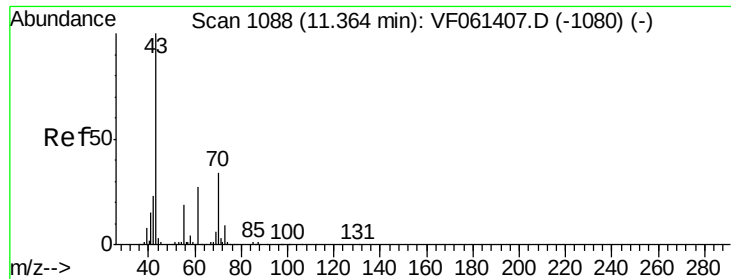
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. 0.00 min
Lab File: VF061469.D
Acq: 21 Jan 2019 12:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.9	30.0	90.0
150	154.6	0.0	321.4



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-amyl acetate

Concen: 1.457 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. 0.01 min

Lab File: VF061469.D

Acq: 21 Jan 2019 12:56

Instrument :

MSVOA_F

ClientSampleId :

VF0121SBL01

Tot Ion: 43 Resp: 4843

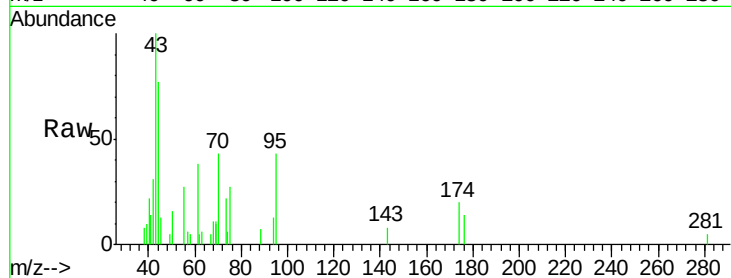
Ion Ratio Lower Upper

43 100

70 43.0 27.6 41.4#

55 27.5 15.4 23.2#

61 38.2 21.8 32.6#

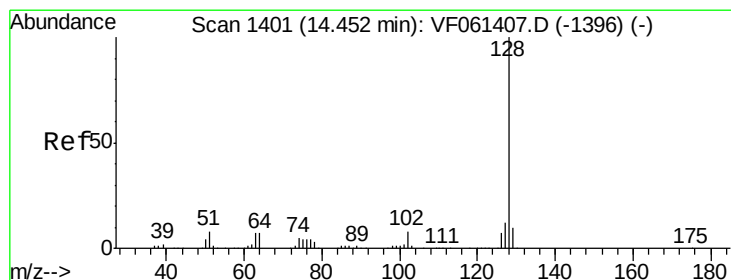
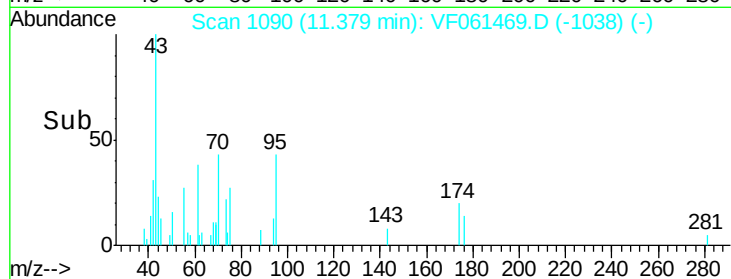
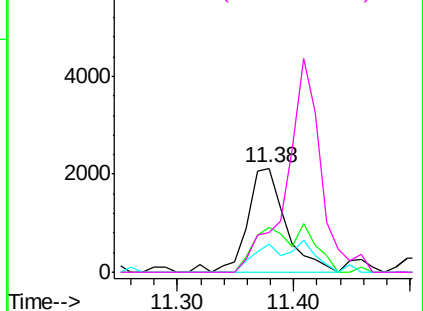


Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 1.338 ug/l

RT: 14.46 min Scan# 1402

Delta R.T. 0.00 min

Lab File: VF061469.D

Acq: 21 Jan 2019 12:56

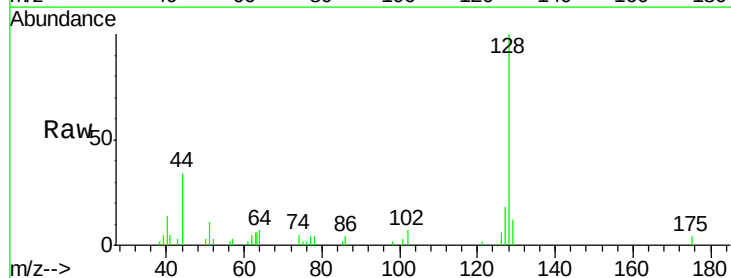
Tgt Ion: 128 Resp: 9888

Ion Ratio Lower Upper

128 100

127 18.0 9.5 14.3#

129 11.9 8.4 12.6



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

