

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF012319\
 Data File : VF061489.D
 Acq On : 23 Jan 2019 18:12
 Operator : VA/AP
 Sample : K1223-07
 Misc : 5.14g/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TS-S

Quant Time: Jan 24 02:56:24 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	151347	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	277210	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	180851	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	55973	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	95161	50.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.86%	
35) Dibromofluoromethane	4.11	113	112614	51.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.96%	
50) Toluene-d8	7.55	98	236858	39.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.04%	
62) 4-Bromofluorobenzene	11.41	95	72328	25.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	51.66%	

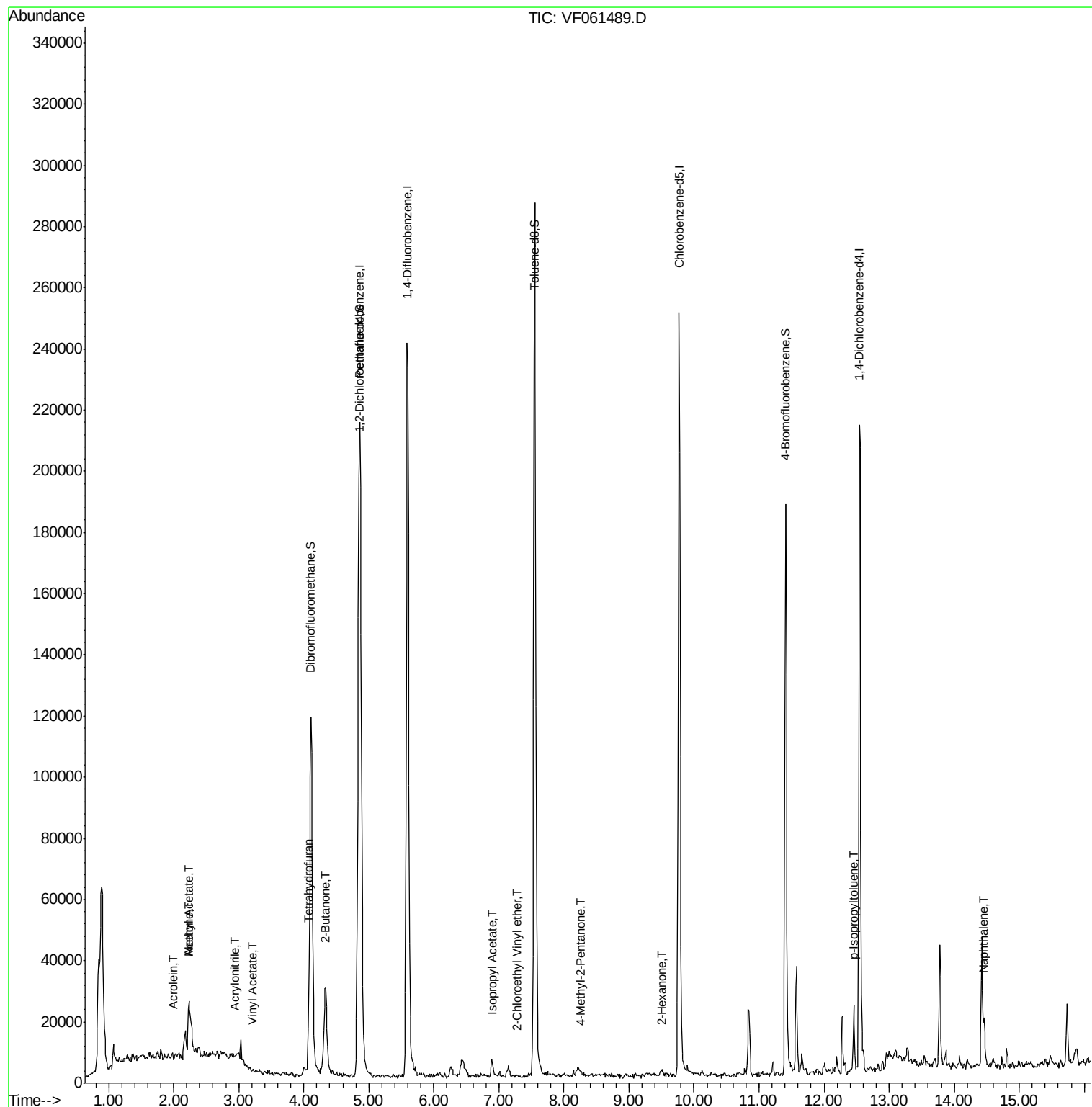
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.00	56	329	14.966	ug/l #	1
14) Allyl chloride	2.13	41	661	Below Cal	#	76
15) Acrylonitrile	2.95	53	441	2.177	ug/l #	14
16) Acetone	2.24	43	28313	75.530	ug/l #	91
18) Methyl Acetate	2.24	43	27306	36.731	ug/l #	61
23) Vinyl Acetate	3.20	43	660	3.503	ug/l #	78
25) 2-Butanone	4.33	43	63364	101.647	ug/l #	91
29) Tetrahydrofuran	4.07	42	545	2.030	ug/l #	38
43) Isopropyl Acetate	6.89	43	6932	4.299	ug/l #	51
49) 1,4-Dioxane	6.36	88	60	Below Cal	#	13
51) 4-Methyl-2-Pentanone	8.27	43	2303	1.943	ug/l #	68
58) 2-Chloroethyl Vinyl ether	7.28	63	79	27.949	ug/l #	47
59) 2-Hexanone	9.50	43	1796	2.173	ug/l	82
86) p-Isopropyltoluene	12.45	119	11907	2.809	ug/l	91
95) Naphthalene	14.46	128	3260	1.362	ug/l #	96

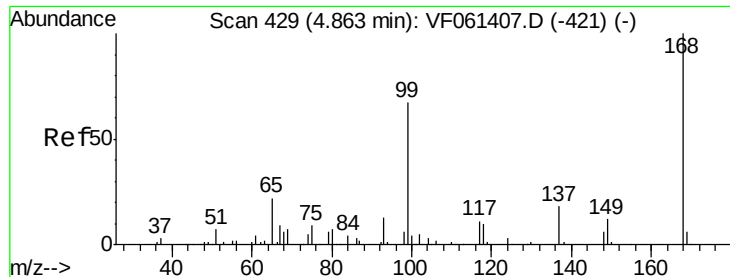
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 24 02:56:24 2019
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: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.01 min

Lab File: VF061489.D

Acq: 23 Jan 2019 18:12

Instrument :

MSVOA_F

ClientSampleId :

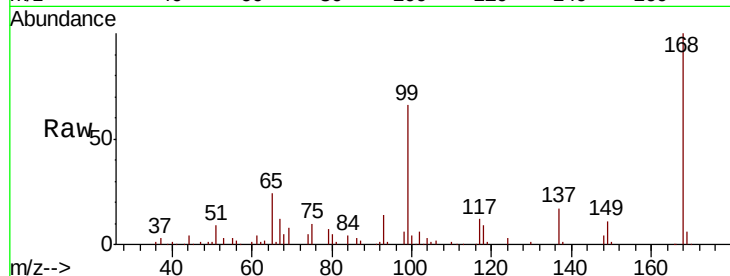
TS-S

Tgt Ion:168 Resp: 151347

Ion Ratio Lower Upper

168 100

99 66.2 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

50000

40000

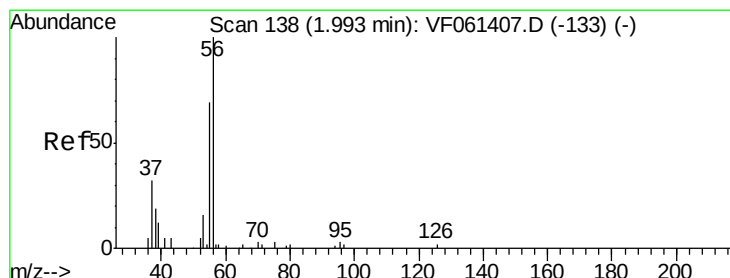
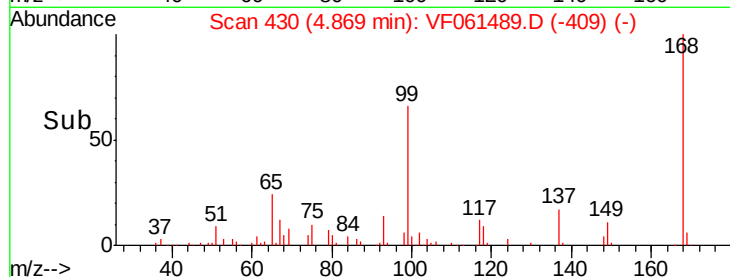
30000

20000

10000

0

Time--> 4.70 4.80 4.90 5.00



#13

Acrolein

Concen: 14.966 ug/l

RT: 2.00 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF061489.D

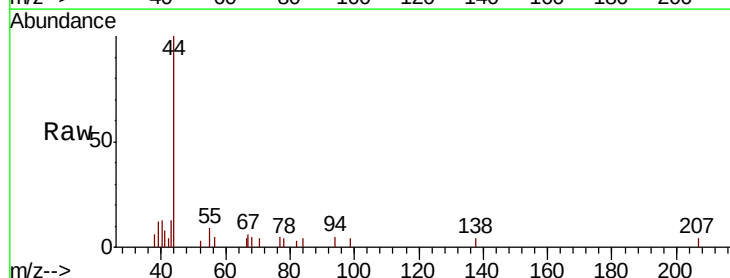
Acq: 23 Jan 2019 18:12

Tgt Ion: 56 Resp: 329

Ion Ratio Lower Upper

56 100

55 186.5 57.5 86.3#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

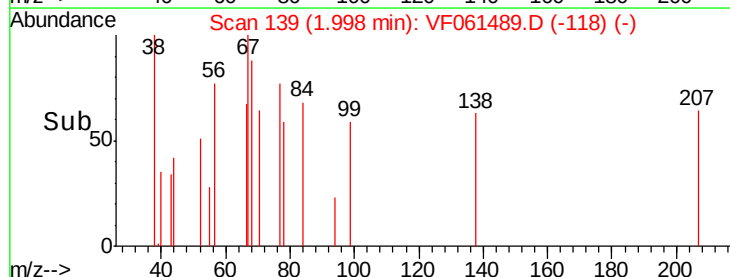
300

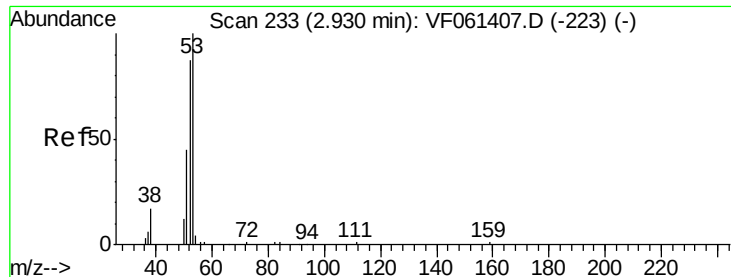
200

100

0

Time--> 1.96 1.98 2.00 2.02





#15

Acrylonitrile

Concen: 2.177 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.02 min

Lab File: VF061489.D

Acq: 23 Jan 2019 18:12

Instrument :

MSVOA_F

ClientSampleId :

TS-S

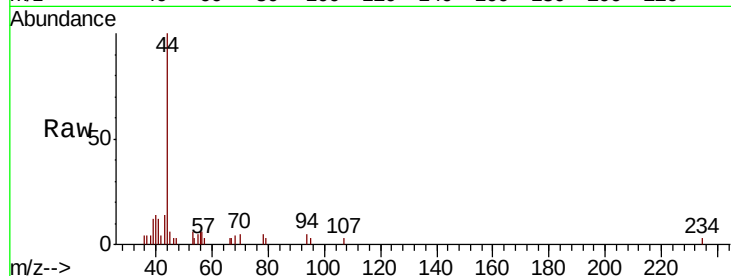
Tgt Ion: 53 Resp: 441

Ion Ratio Lower Upper

53 100

52 0.0 69.6 104.4#

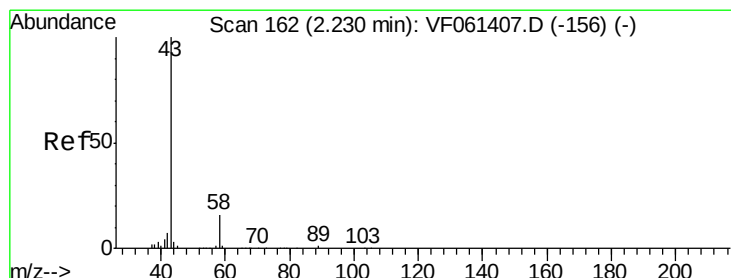
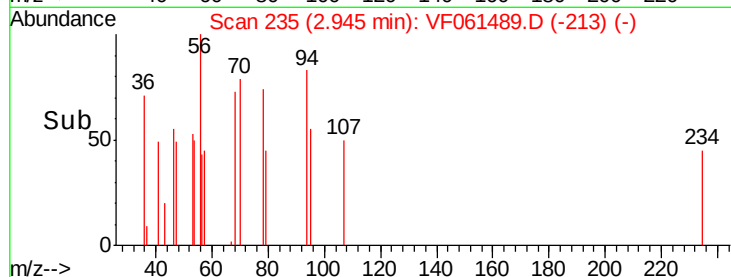
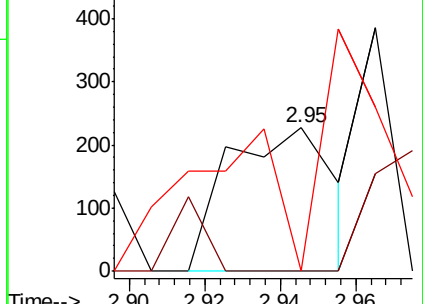
51 0.0 36.8 55.2#



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: 75.530 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.01 min

Lab File: VF061489.D

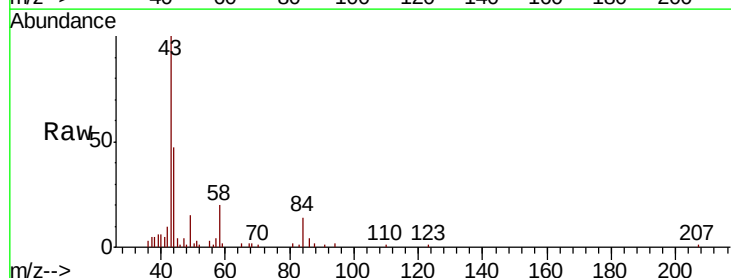
Acq: 23 Jan 2019 18:12

Tgt Ion: 43 Resp: 28313

Ion Ratio Lower Upper

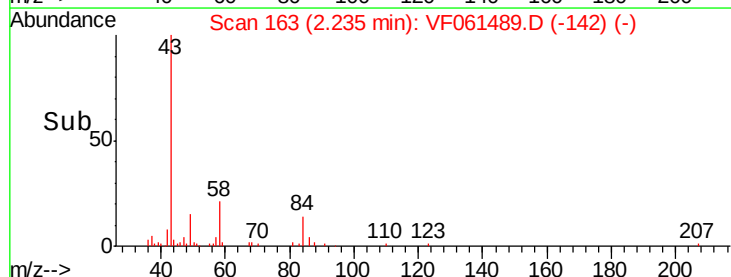
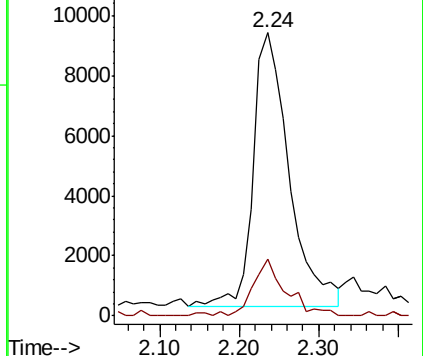
43 100

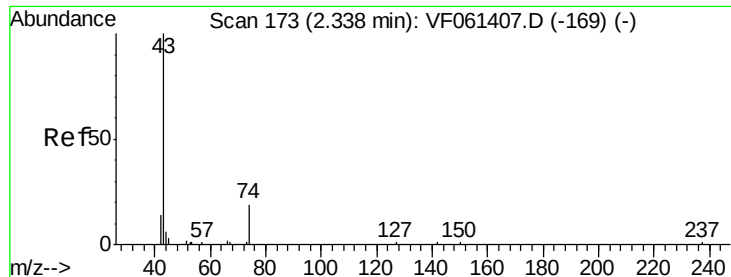
58 20.3 13.3 19.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

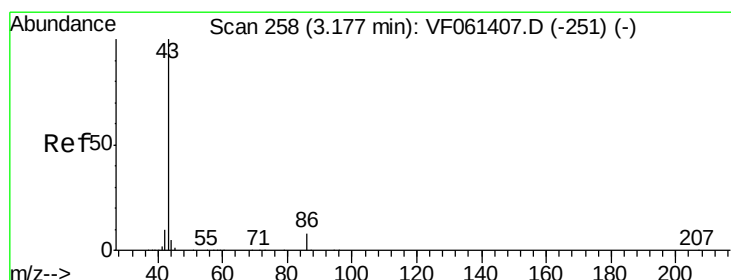
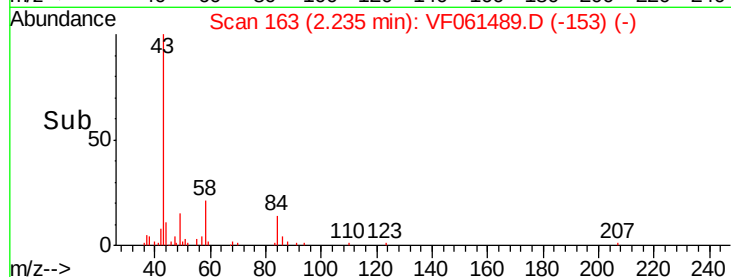
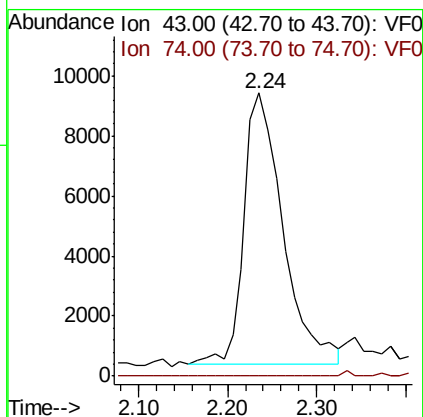
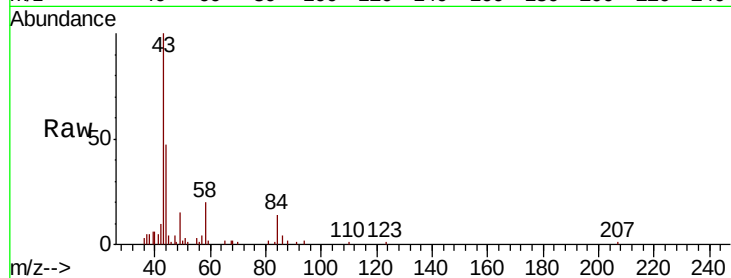




#18
Methyl Acetate
Concen: 36.731 ug/l
RT: 2.24 min Scan# 163
Delta R.T. -0.10 min
Lab File: VF061489.D
Acq: 23 Jan 2019 18:12

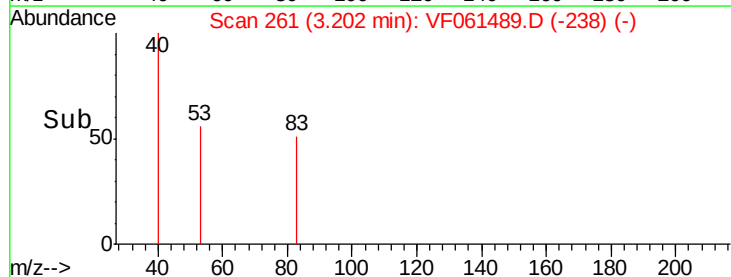
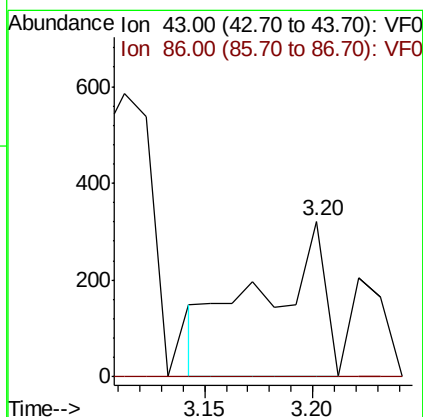
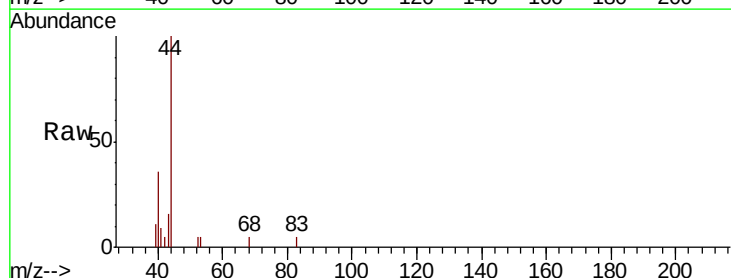
Instrument :
MSVOA_F
ClientSampled :
TS-S

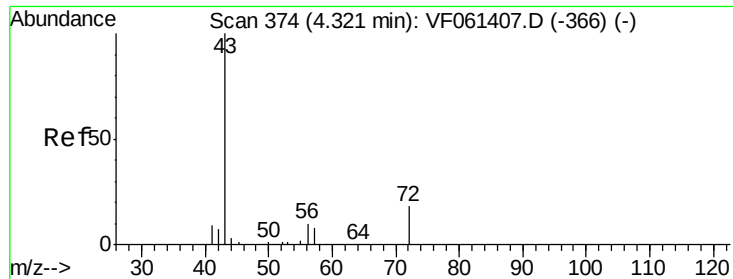
Tgt Ion: 43 Resp: 27306
Ion Ratio Lower Upper
43 100
74 0.0 13.4 20.0#



#23
Vinyl Acetate
Concen: 3.503 ug/l
RT: 3.20 min Scan# 261
Delta R.T. 0.03 min
Lab File: VF061489.D
Acq: 23 Jan 2019 18:12

Tgt Ion: 43 Resp: 660
Ion Ratio Lower Upper
43 100
86 0.0 6.2 9.4#





#25

2-Butanone

Concen: 101.647 ug/l

RT: 4.33 min Scan# 375

Delta R.T. 0.01 min

Lab File: VF061489.D

Acq: 23 Jan 2019 18:12

Instrument :

MSVOA_F

ClientSampled :

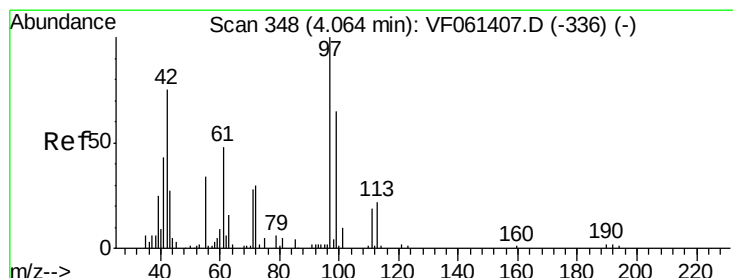
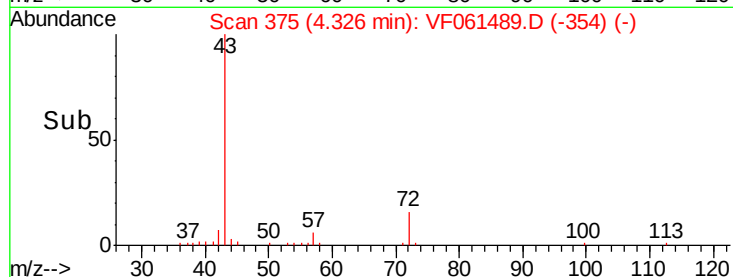
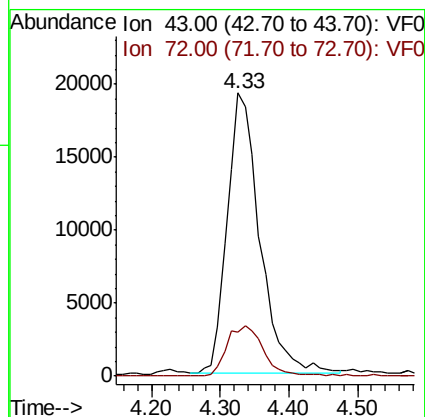
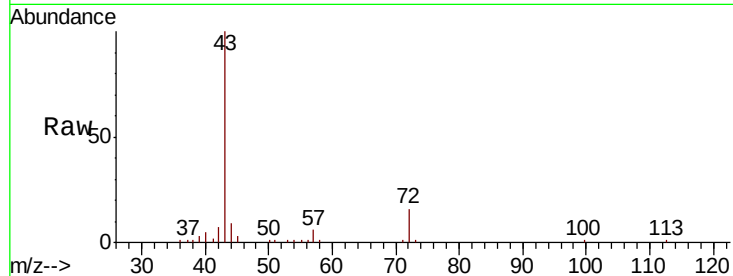
TS-S

Tgt Ion: 43 Resp: 63364

Ion Ratio Lower Upper

43 100

72 15.5 15.8 23.6#



#29

Tetrahydrofuran

Concen: 2.030 ug/l

RT: 4.07 min Scan# 349

Delta R.T. 0.01 min

Lab File: VF061489.D

Acq: 23 Jan 2019 18:12

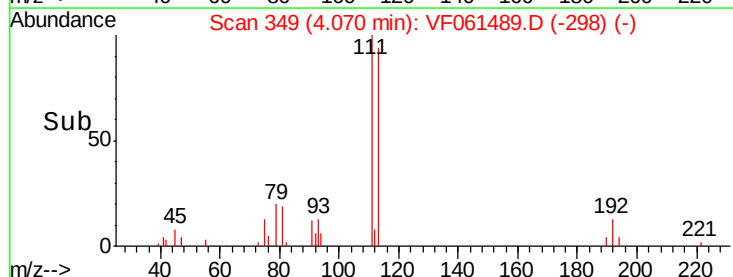
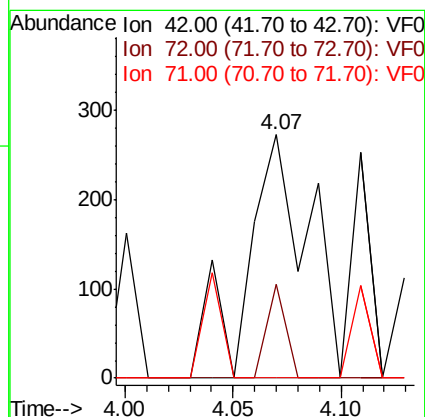
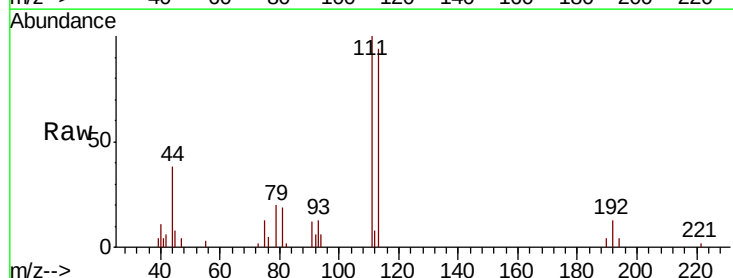
Tgt Ion: 42 Resp: 545

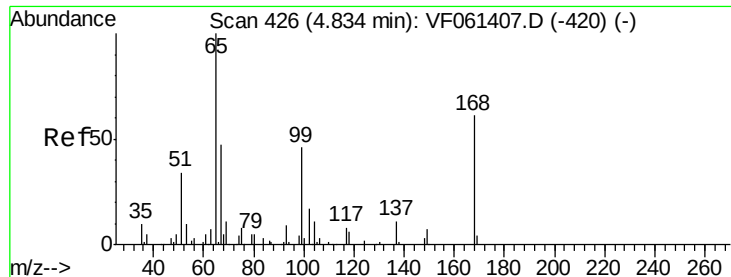
Ion Ratio Lower Upper

42 100

72 0.0 28.9 43.3#

71 0.0 29.6 44.4#

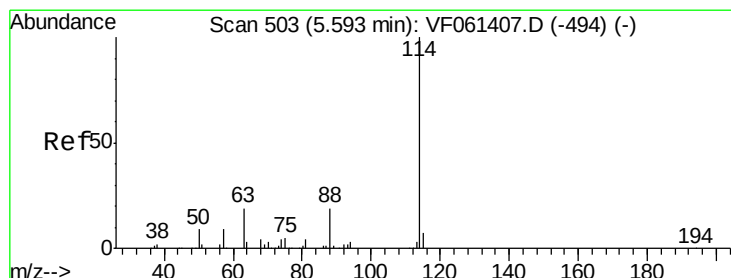
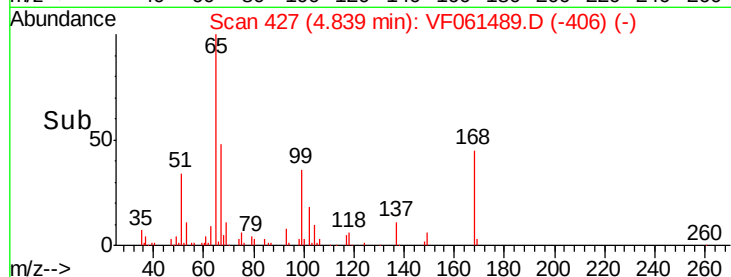
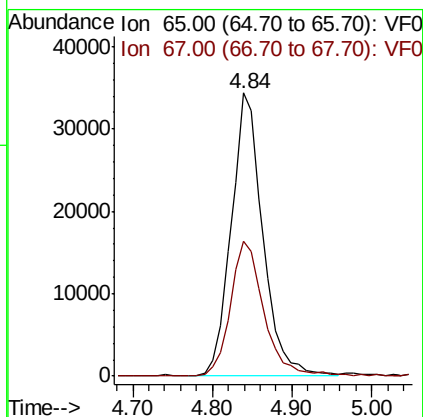
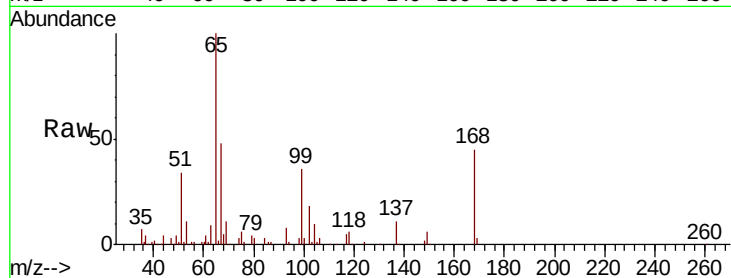




#33
 1,2-Dichloroethane-d4
 Concen: 50.927 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. 0.01 min
 Lab File: VF061489.D
 Acq: 23 Jan 2019 18:12

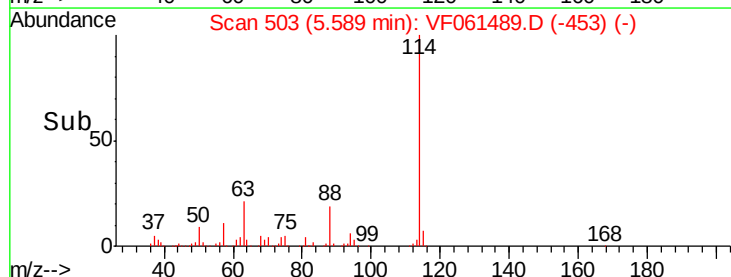
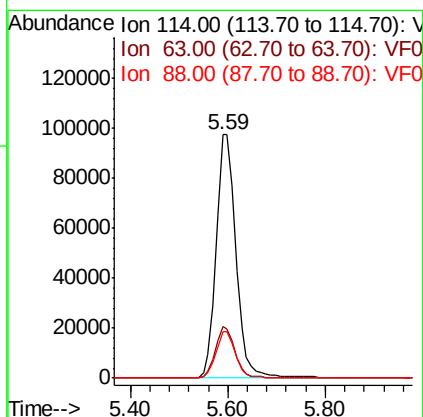
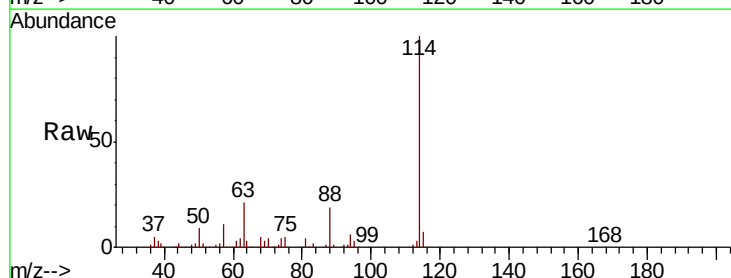
Instrument :
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 ClientSampleId :
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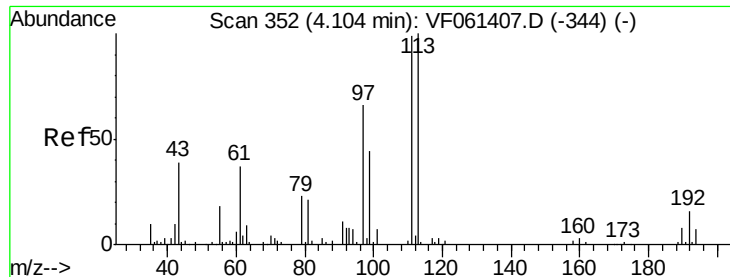
Tgt Ion: 65 Resp: 95161
 Ion Ratio Lower Upper
 65 100
 67 47.9 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VF061489.D
 Acq: 23 Jan 2019 18:12

Tgt Ion: 114 Resp: 277210
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 39.0
 88 19.3 0.0 37.4

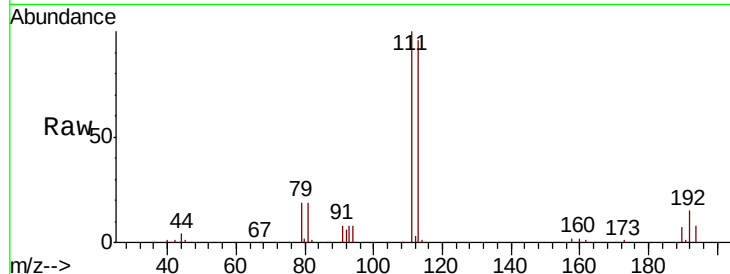




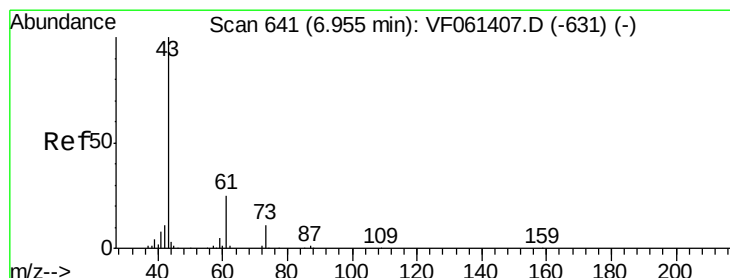
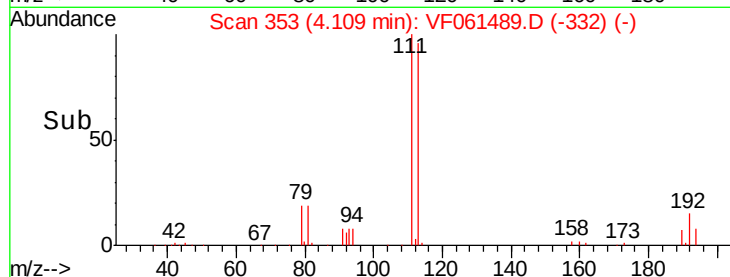
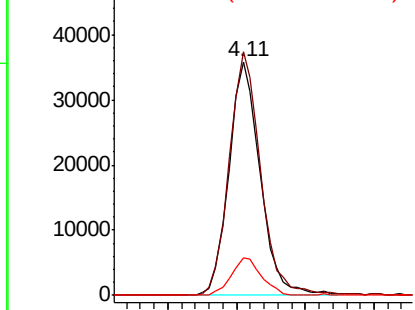
#35
 Dibromofluoromethane
 Concen: 51.482 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. 0.01 min
 Lab File: VF061489.D
 Acq: 23 Jan 2019 18:12

Instrument :
 MSVOA_F
 ClientSampleId :
 TS-S

Tgt Ion: 113 Resp: 112614
 Ion Ratio Lower Upper
 113 100
 111 104.2 79.4 119.0
 192 16.1 12.4 18.6

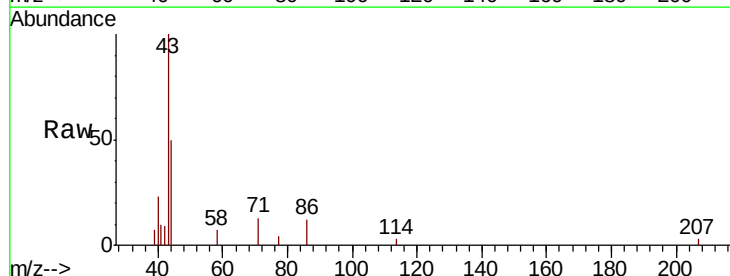


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

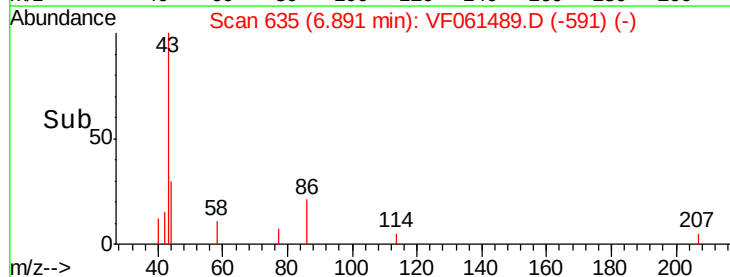
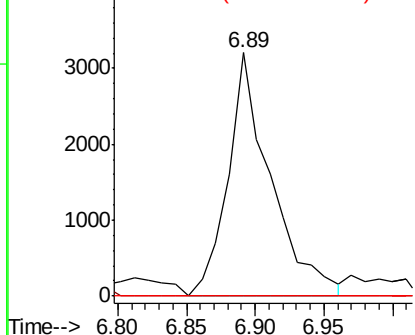


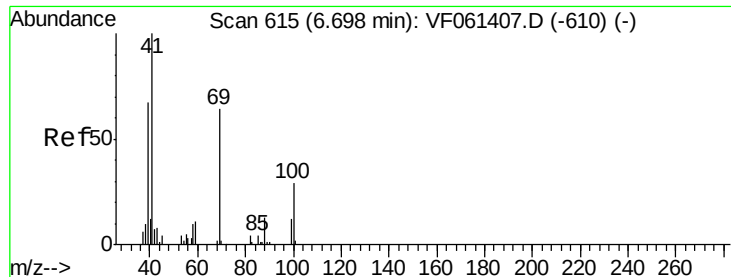
#43
 Isopropyl Acetate
 Concen: 4.299 ug/l
 RT: 6.89 min Scan# 635
 Delta R.T. -0.06 min
 Lab File: VF061489.D
 Acq: 23 Jan 2019 18:12

Tgt Ion: 43 Resp: 6932
 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

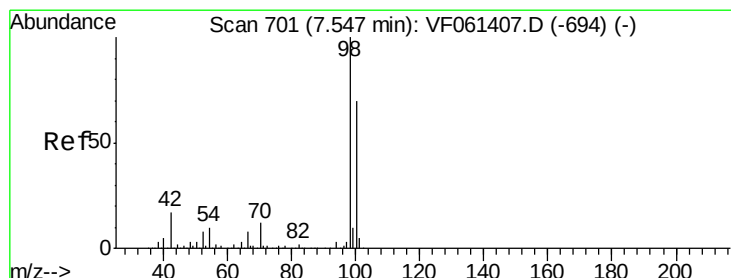
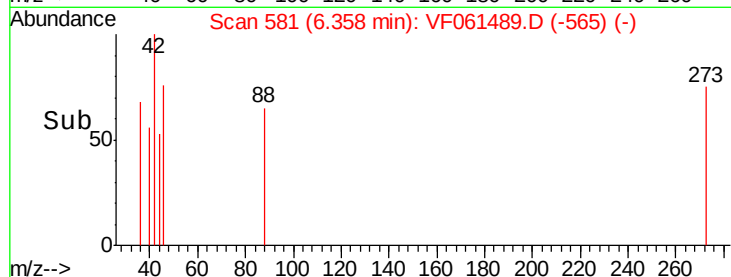
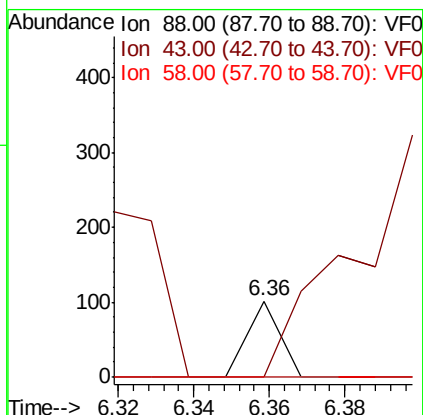
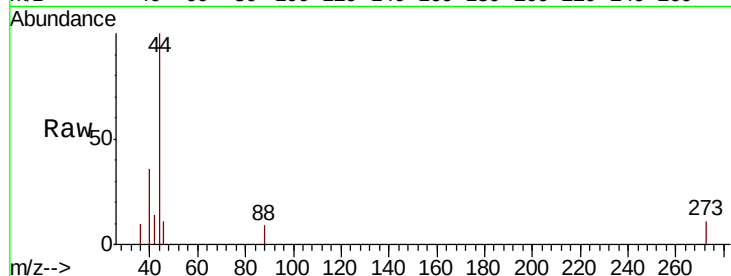




#49
1,4-Dioxane
Concen: Below Cal
RT: 6.36 min Scan# 581
Delta R.T. -0.34 min
Lab File: VF061489.D
Acq: 23 Jan 2019 18:12

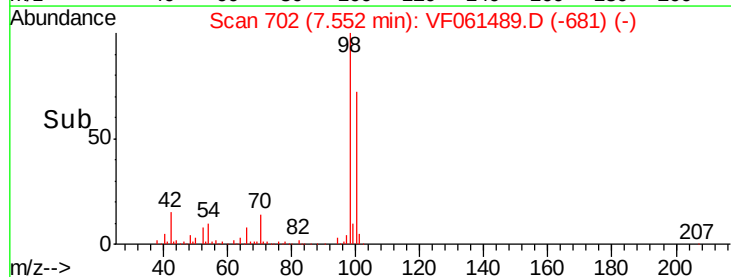
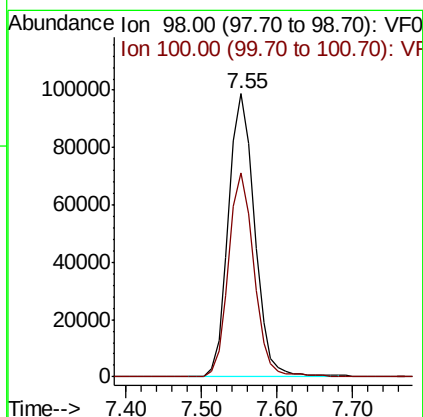
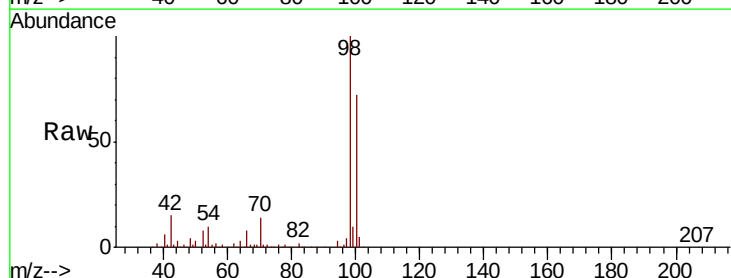
Instrument :
MSVOA_F
ClientSampleId :
TS-S

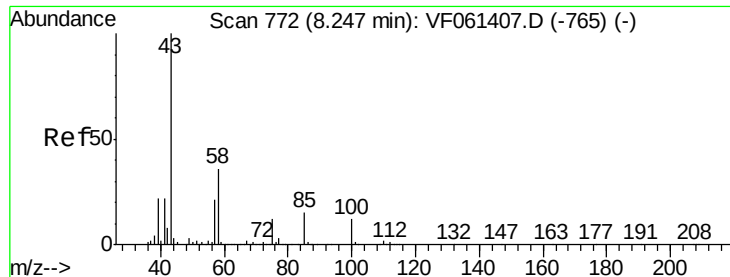
Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 0.0 55.5 83.3#
58 0.0 59.9 89.9#



#50
Toluene-d8
Concen: 39.521 ug/l
RT: 7.55 min Scan# 702
Delta R.T. 0.01 min
Lab File: VF061489.D
Acq: 23 Jan 2019 18:12

Tgt Ion: 98 Resp: 236858
Ion Ratio Lower Upper
98 100
100 71.9 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 1.943 ug/l

RT: 8.27 min Scan# 775

Delta R.T. 0.03 min

Lab File: VF061489.D

Acq: 23 Jan 2019 18:12

Instrument :

MSVOA_F

ClientSampleId :

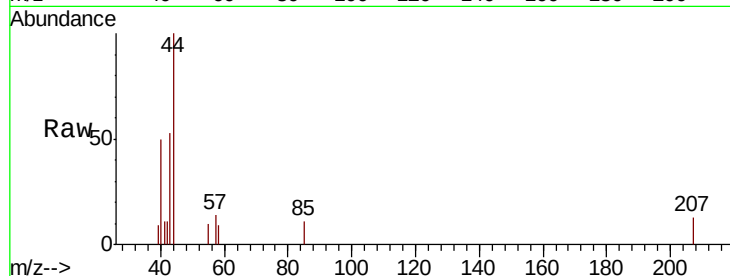
TS-S

Tgt Ion: 43 Resp: 2303

Ion Ratio Lower Upper

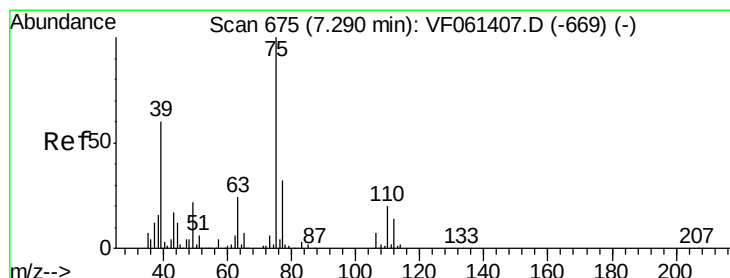
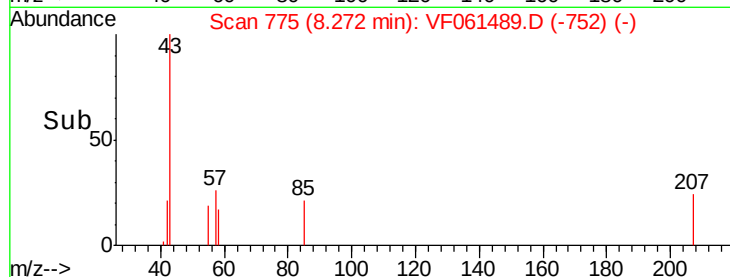
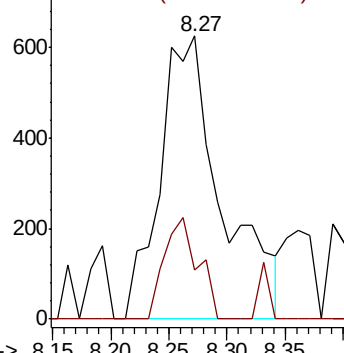
43 100

58 17.4 28.8 43.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 27.949 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.01 min

Lab File: VF061489.D

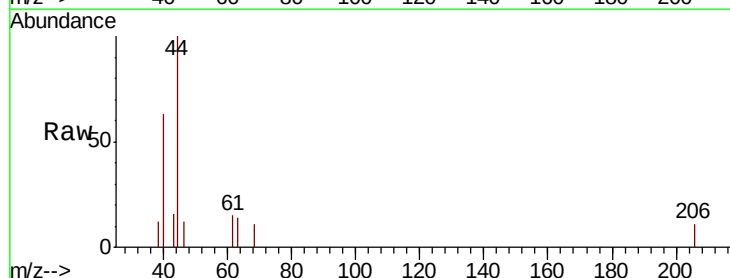
Acq: 23 Jan 2019 18:12

Tgt Ion: 63 Resp: 79

Ion Ratio Lower Upper

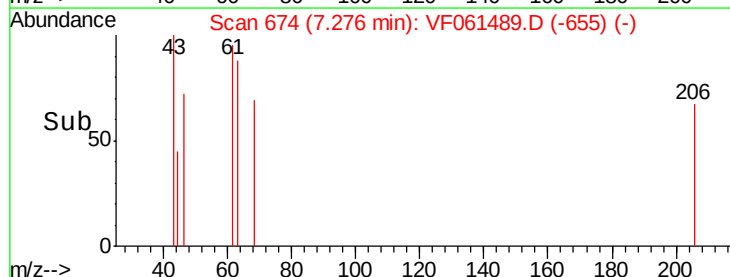
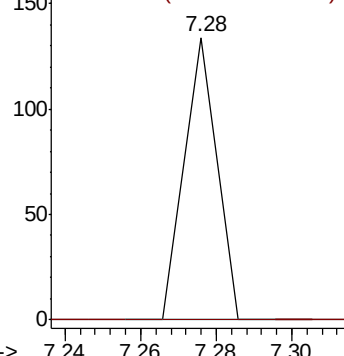
63 100

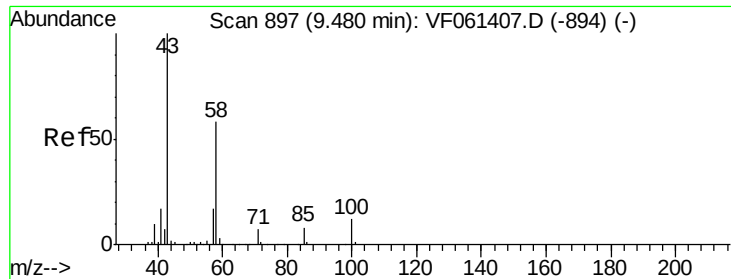
106 0.0 21.9 32.9#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

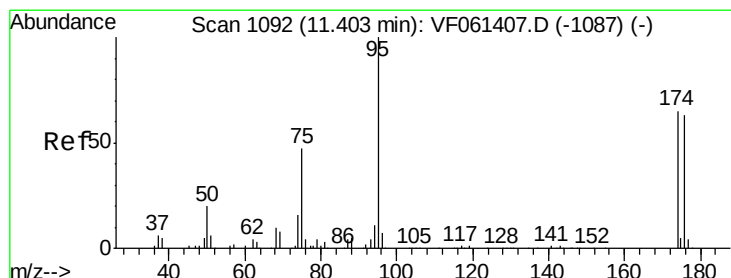
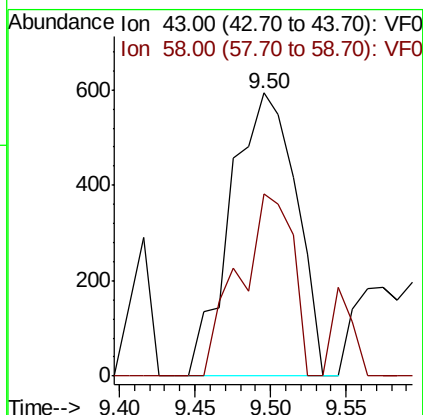
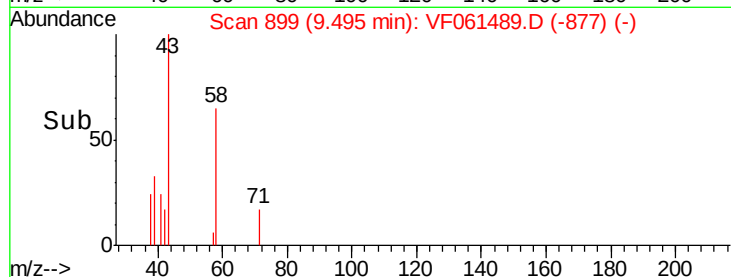
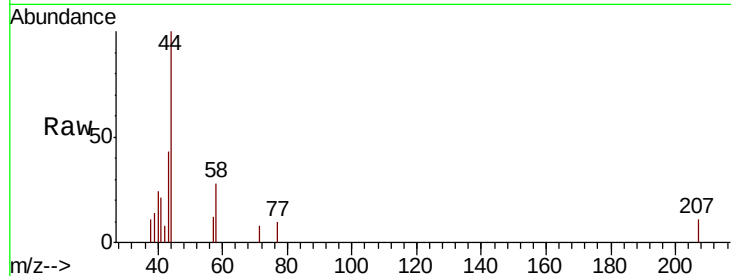




#59
2-Hexanone
Concen: 2.173 ug/l
RT: 9.50 min Scan# 899
Delta R.T. 0.02 min
Lab File: VF061489.D
Acq: 23 Jan 2019 18:12

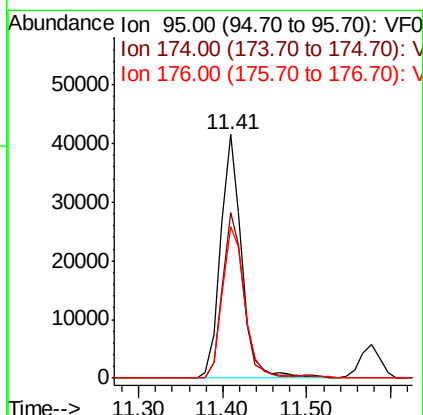
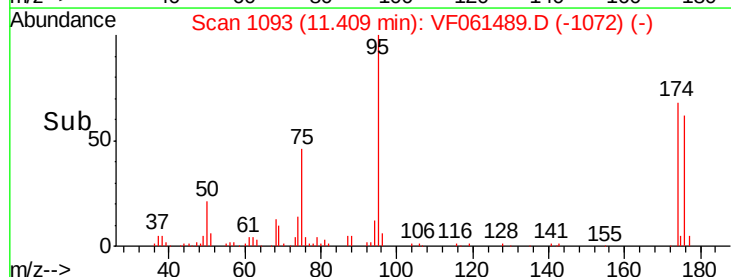
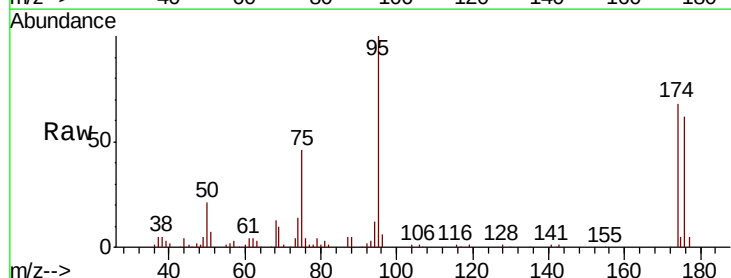
Instrument :
MSVOA_F
ClientSampleId :
TS-S

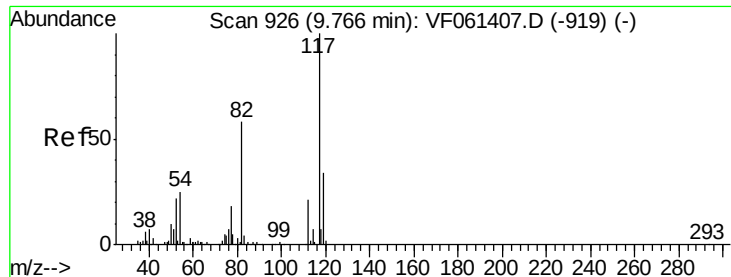
Tgt Ion: 43 Resp: 1796
Ion Ratio Lower Upper
43 100
58 64.6 25.9 77.6



#62
4-Bromofluorobenzene
Concen: 25.830 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VF061489.D
Acq: 23 Jan 2019 18:12

Tgt Ion: 95 Resp: 72328
Ion Ratio Lower Upper
95 100
174 68.0 0.0 130.4
176 62.1 0.0 126.2

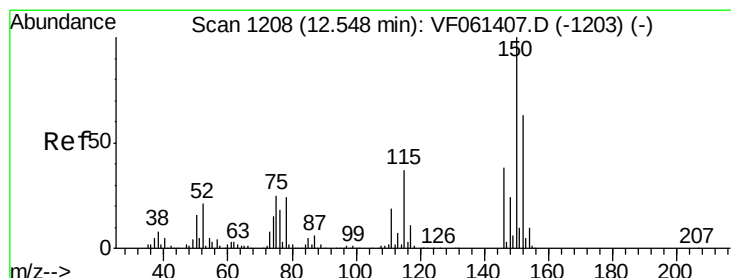
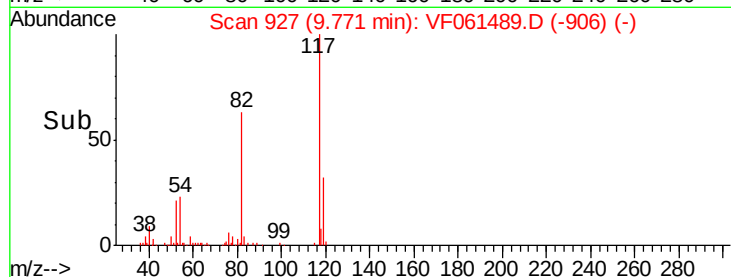
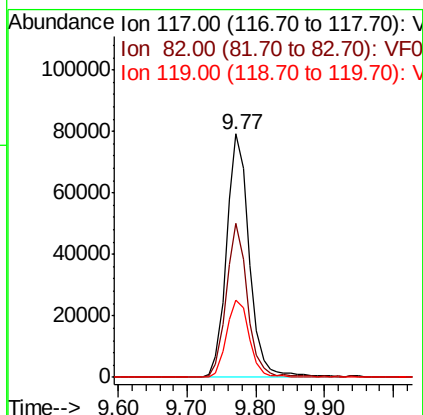
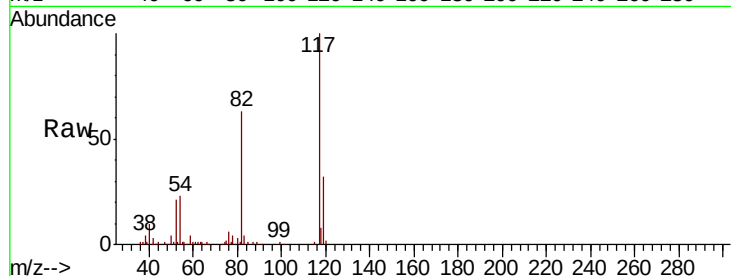




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. 0.01 min
Lab File: VF061489.D
Acq: 23 Jan 2019 18:12

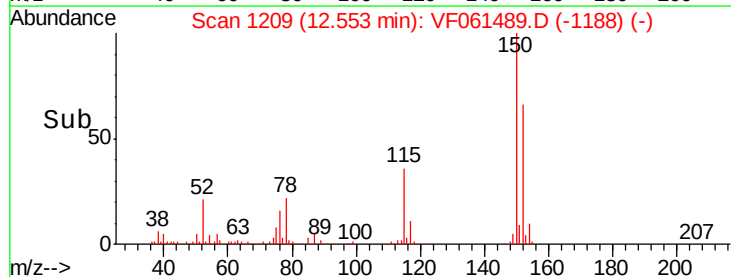
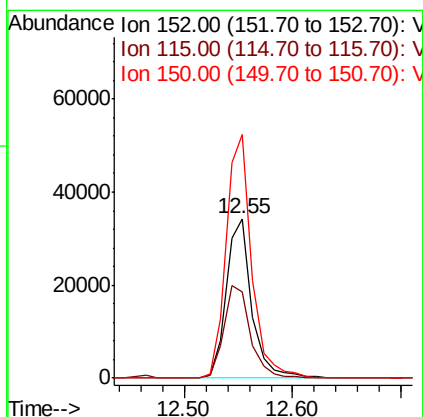
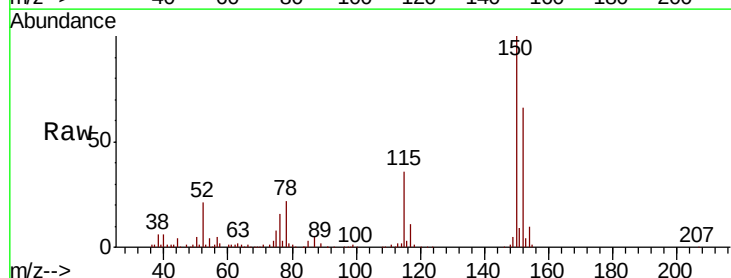
Instrument :
MSVOA_F
ClientSampleId :
TS-S

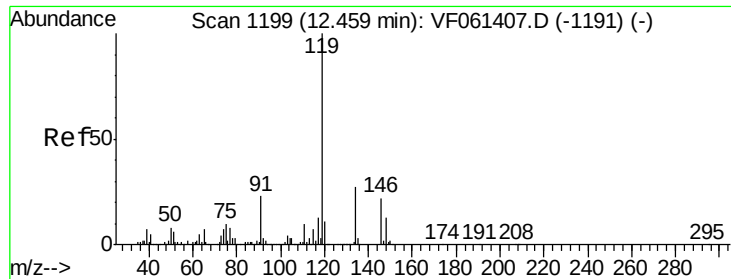
Tgt Ion:117 Resp: 180851
Ion Ratio Lower Upper
117 100
82 63.2 46.4 69.6
119 31.8 27.2 40.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. 0.01 min
Lab File: VF061489.D
Acq: 23 Jan 2019 18:12

Tgt Ion:152 Resp: 55973
Ion Ratio Lower Upper
152 100
115 54.4 30.0 90.0
150 152.7 0.0 321.4

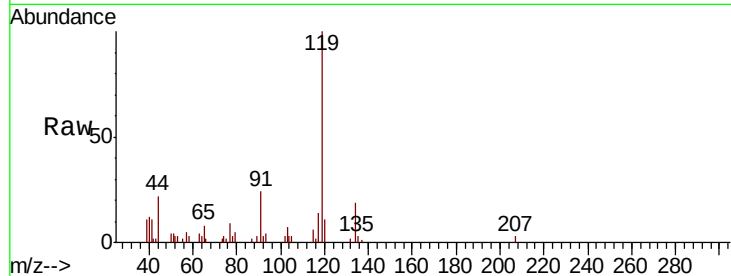




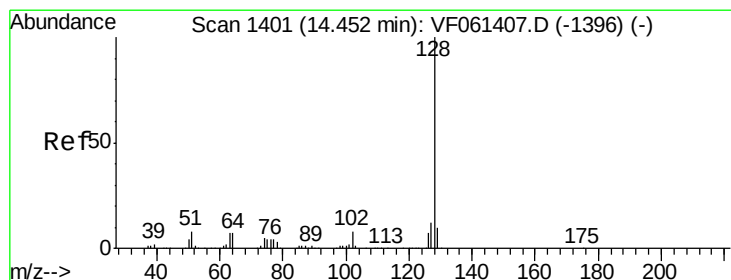
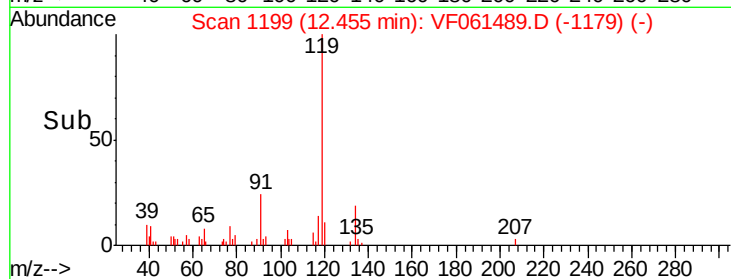
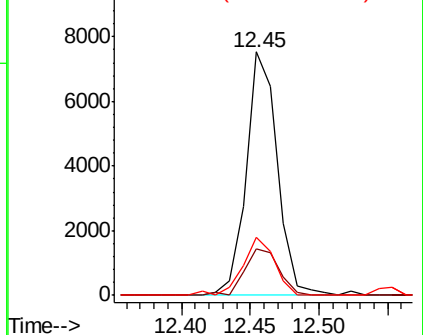
#86
p-Isopropyltoluene
Concen: 2.809 ug/l
RT: 12.45 min Scan# 1199
Delta R.T. -0.00 min
Lab File: VF061489.D
Acq: 23 Jan 2019 18:12

Instrument :
MSVOA_F
ClientSampleId :
TS-S

Tgt Ion:119 Resp: 11907
Ion Ratio Lower Upper
119 100
134 19.0 13.4 40.2
91 23.7 11.4 34.2

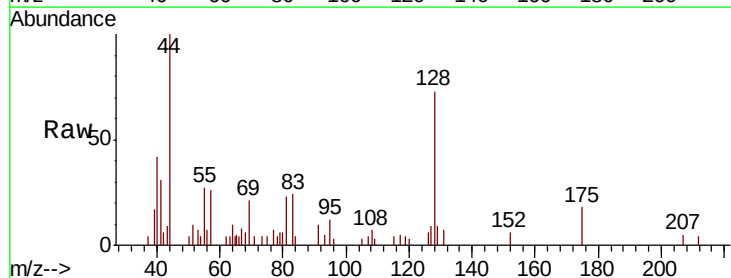


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V



#95
Naphthalene
Concen: 1.362 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. 0.01 min
Lab File: VF061489.D
Acq: 23 Jan 2019 18:12

Tgt Ion:128 Resp: 3260
Ion Ratio Lower Upper
128 100
127 12.7 9.5 14.3
129 12.8 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

