

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121918\
 Data File : VF061078.D
 Acq On : 19 Dec 2018 11:49
 Operator : VA/AP
 Sample : VF1219SBL01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Dec 20 02:20:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	243418	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.59	114	447634	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	368992	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	202288	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	149981	47.91	ug/l	0.00
Spiked Amount			Recovery	=	95.82%	
35) Dibromofluoromethane	4.10	113	178026	49.65	ug/l	-0.01
Spiked Amount			Recovery	=	99.30%	
50) Toluene-d8	7.55	98	480101	47.25	ug/l	0.00
Spiked Amount			Recovery	=	94.50%	
62) 4-Bromofluorobenzene	11.41	95	221792	47.34	ug/l	0.00
Spiked Amount			Recovery	=	94.68%	

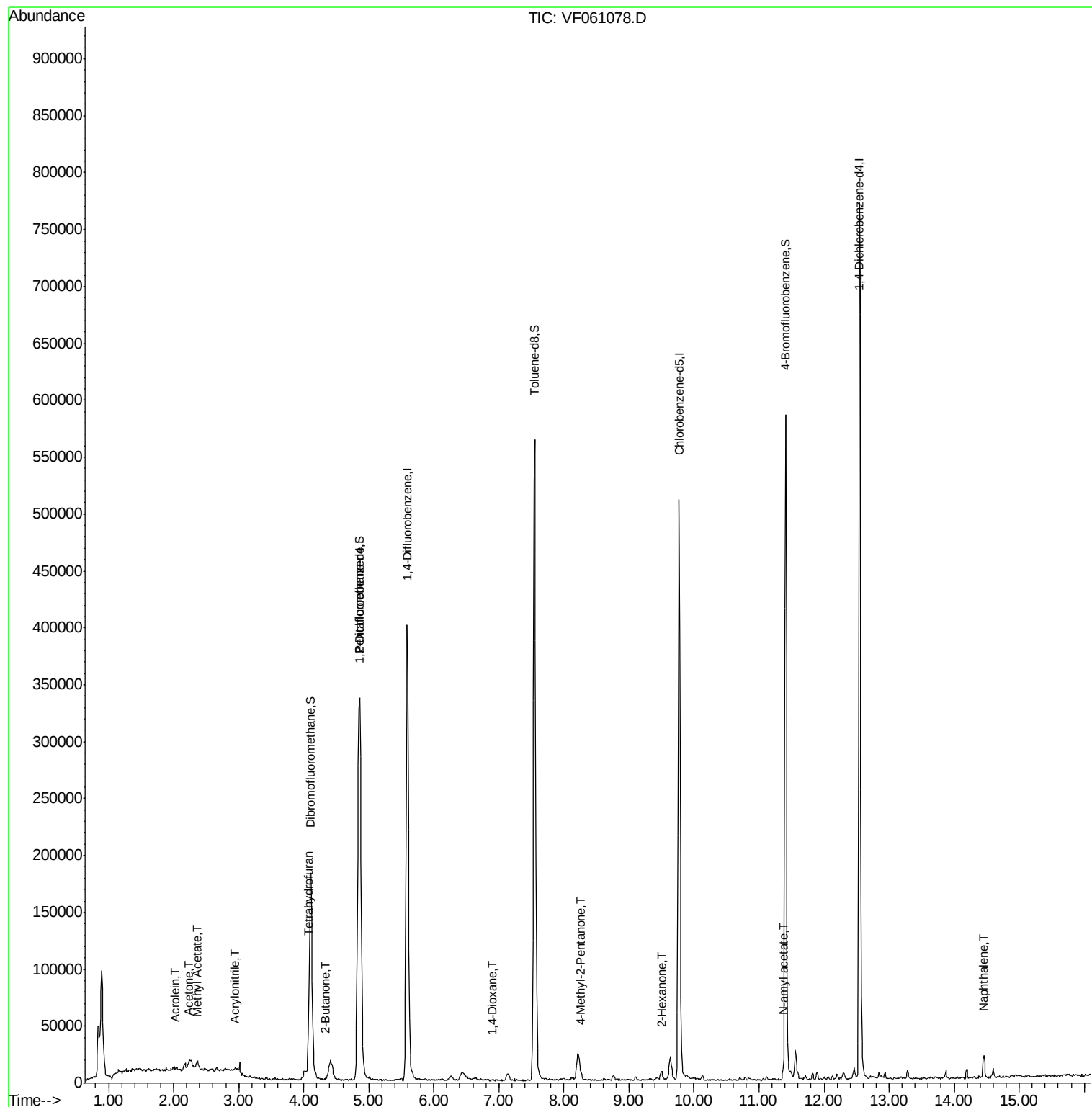
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.02	56	516	5.652	ug/l	95
15) Acrylonitrile	2.95	53	541	1.852	ug/l #	92
16) Acetone	2.23	43	5546	8.861	ug/l	95
18) Methyl Acetate	2.36	43	3602	2.782	ug/l #	66
20) Methylene Chloride	2.26	84	6722	Below Cal	#	81
25) 2-Butanone	4.34	43	1493	1.471	ug/l #	87
29) Tetrahydrofuran	4.07	42	1502	3.636	ug/l #	54
49) 1,4-Dioxane	6.91	88	77	5.826	ug/l #	23
51) 4-Methyl-2-Pentanone	8.26	43	5763	3.221	ug/l	98
59) 2-Hexanone	9.50	43	5833	4.508	ug/l	98
70) Styrene	10.79	104	1207	Below Cal	#	57
74) N-amyl acetate	11.37	43	5439	1.405	ug/l #	90
87) 1,3-Dichlorobenzene	12.46	146	1600	Below Cal		93
95) Naphthalene	14.46	128	13830	1.592	ug/l	97

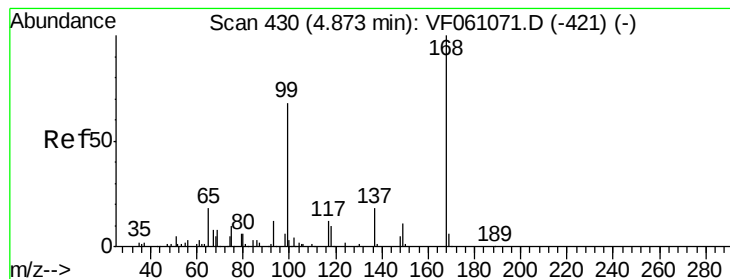
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF121918\
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MSVOA_F
ClientSampleId :

Quant Time: Dec 20 02:20:39 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF061078.D

Acq: 19 Dec 2018 11:49

Instrument :

MSVOA_F

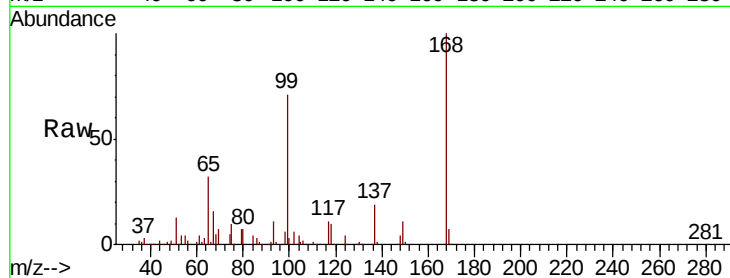
ClientSampleId :

Tot Ion:168 Resp: 243418

Ion Ratio Lower Upper

168 100

99 70.6 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

80000

60000

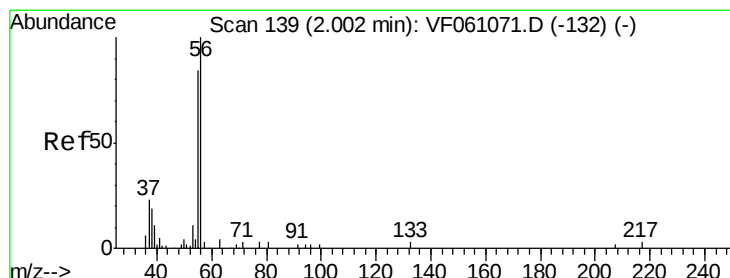
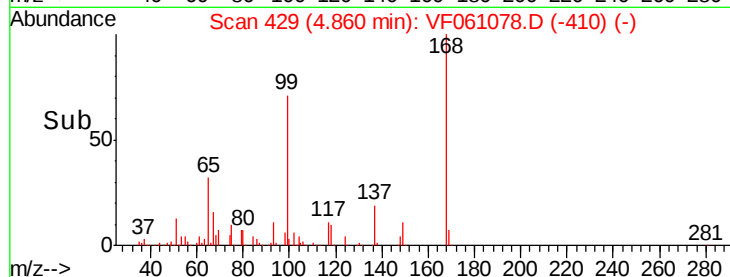
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#13

Acrolein

Concen: 5.652 ug/l

RT: 2.02 min Scan# 141

Delta R.T. 0.02 min

Lab File: VF061078.D

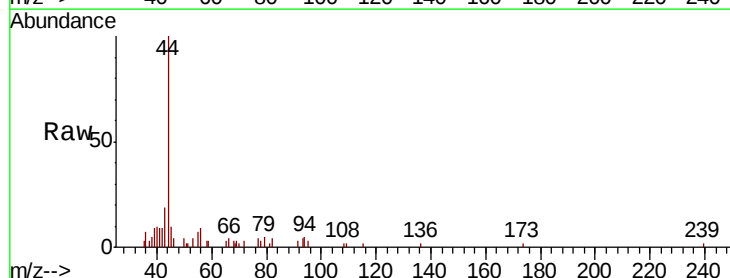
Acq: 19 Dec 2018 11:49

Tgt Ion: 56 Resp: 516

Ion Ratio Lower Upper

56 100

55 82.7 70.2 105.2



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.02

500

400

300

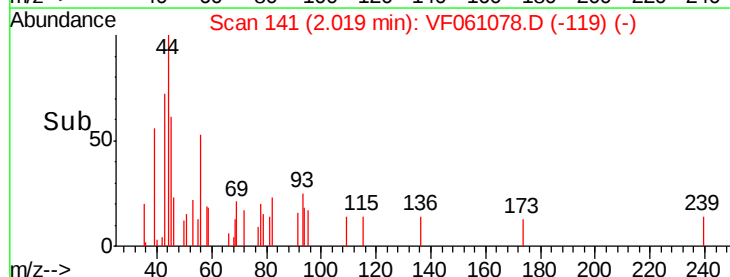
200

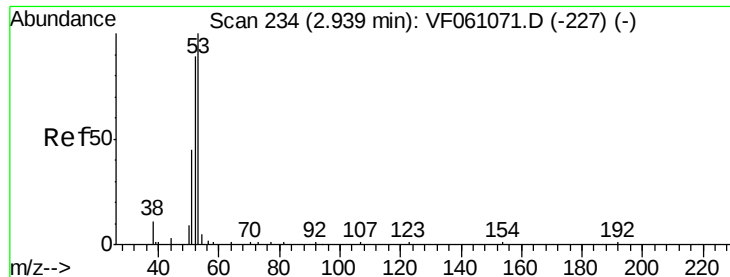
100

0

2.00 2.02 2.04

Time-->





#15

Acrylonitrile

Concen: 1.852 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.01 min

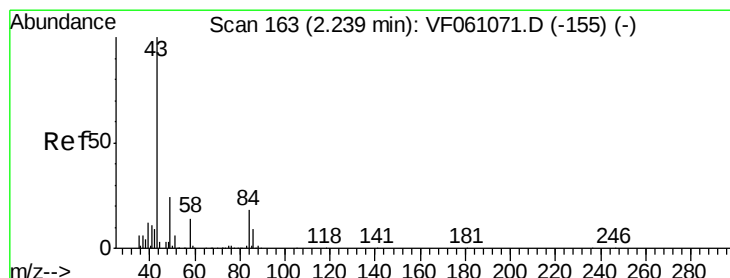
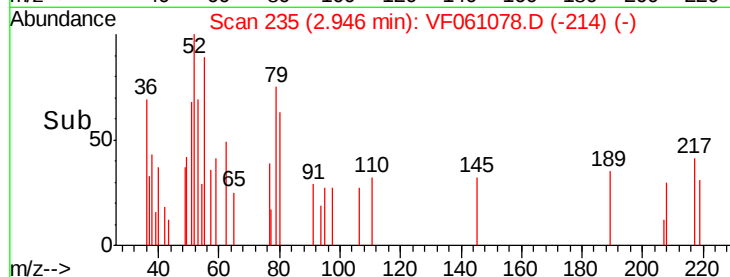
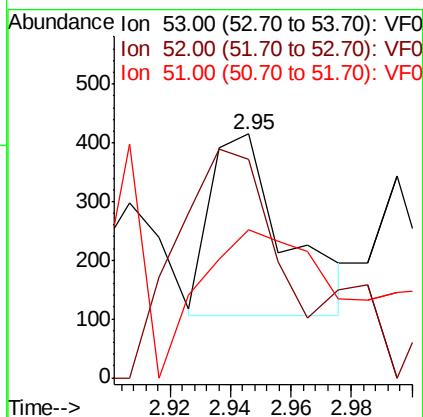
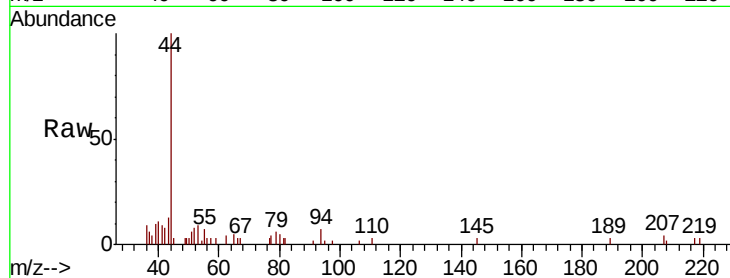
Lab File: VF061078.D

Acq: 19 Dec 2018 11:49

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 53 Resp: 541

Ion	Ratio	Lower	Upper
53	100		
52	89.4	71.3	106.9
51	60.7	36.8	55.2



#16

Acetone

Concen: 8.861 ug/l

RT: 2.23 min Scan# 162

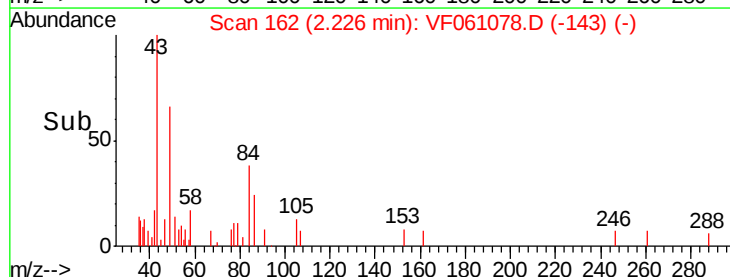
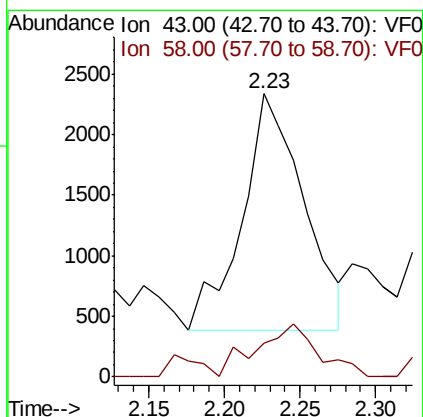
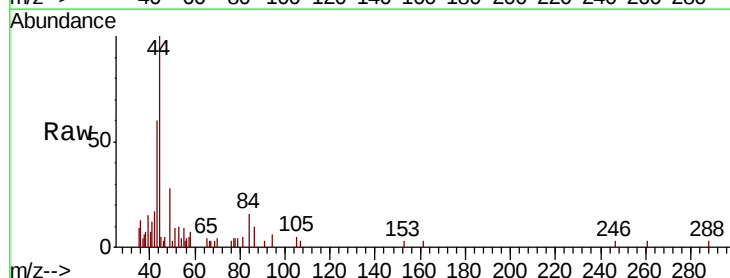
Delta R.T. -0.01 min

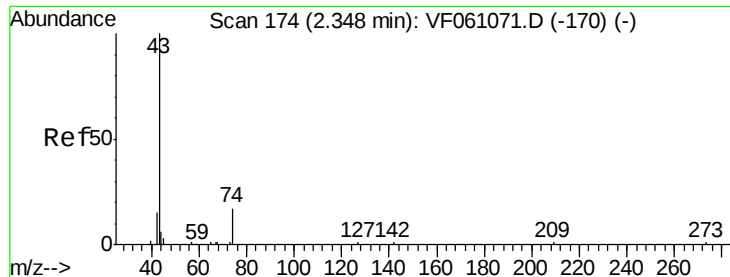
Lab File: VF061078.D

Acq: 19 Dec 2018 11:49

Tgt Ion: 43 Resp: 5546

Ion	Ratio	Lower	Upper
43	100		
58	11.8	11.1	16.7

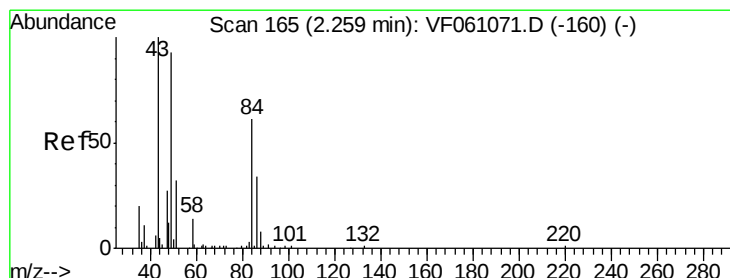
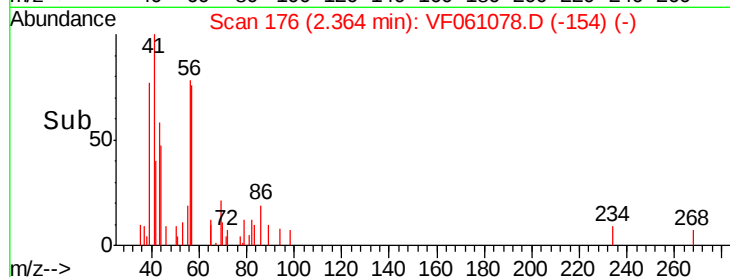
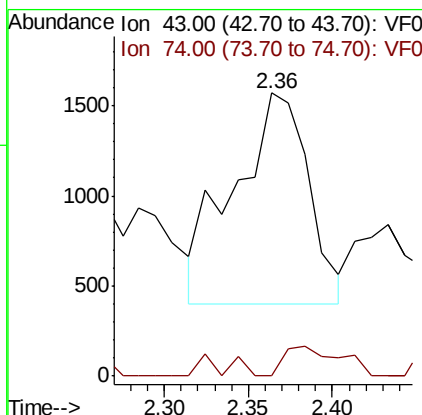
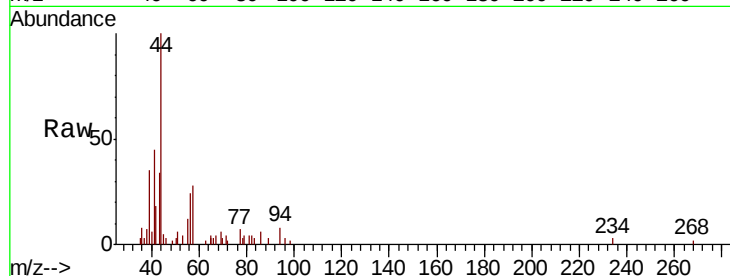




#18
Methyl Acetate
Concen: 2.782 ug/l
RT: 2.36 min Scan# 176
Delta R.T. 0.02 min
Lab File: VF061078.D
Acq: 19 Dec 2018 11:49

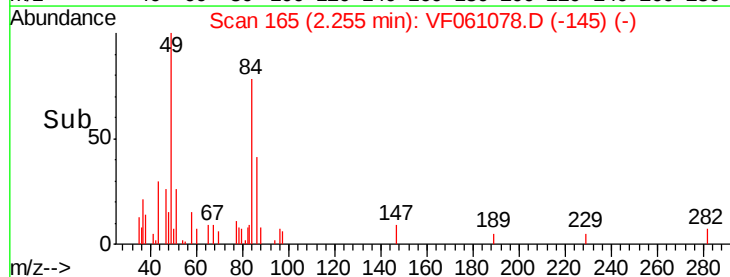
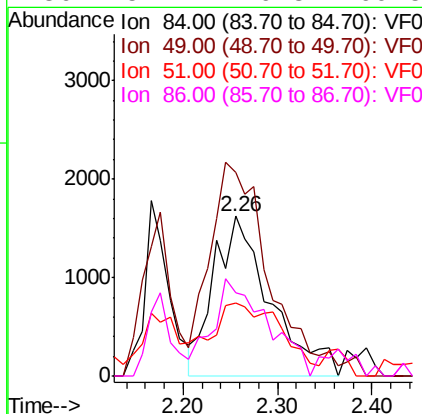
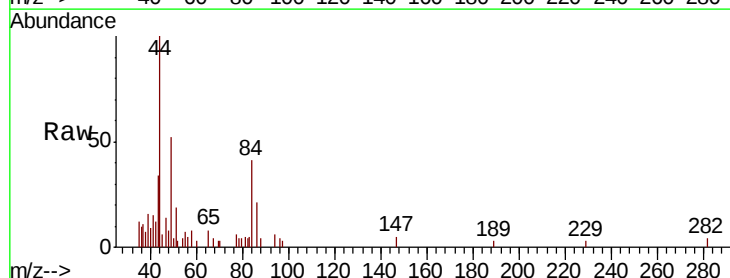
Instrument :
MSVOA_F
ClientSampleId :

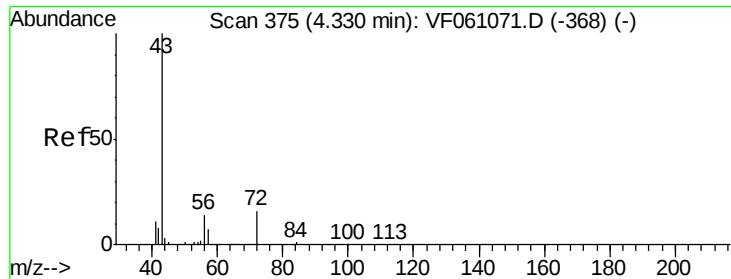
Tot Ion: 43 Resp: 3602
Ion Ratio Lower Upper
43 100
74 0.0 11.0 16.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.26 min Scan# 165
Delta R.T. -0.00 min
Lab File: VF061078.D
Acq: 19 Dec 2018 11:49

Tgt Ion: 84 Resp: 6722
Ion Ratio Lower Upper
84 100
49 127.7 129.4 194.2#
51 45.7 44.0 66.0
86 52.1 46.3 69.5

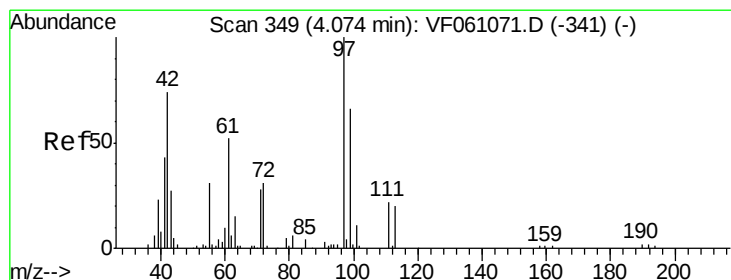
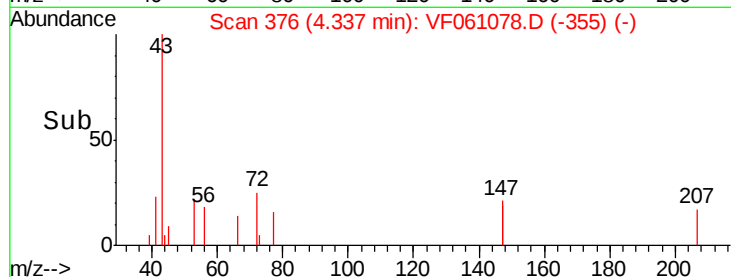
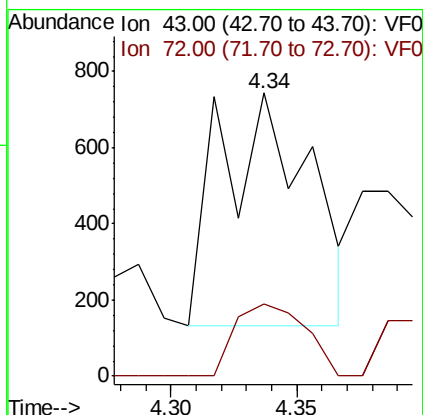
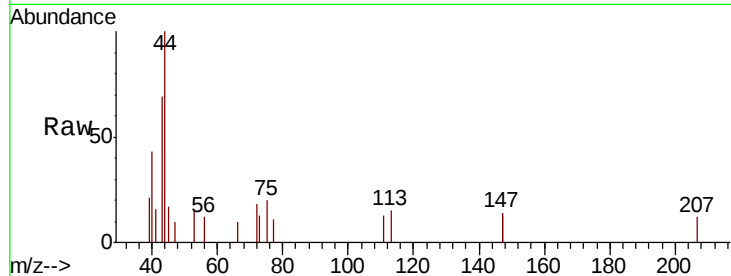




#25
2-Butanone
Concen: 1.471 ug/l
RT: 4.34 min Scan# 376
Delta R.T. 0.01 min
Lab File: VF061078.D
Acq: 19 Dec 2018 11:49

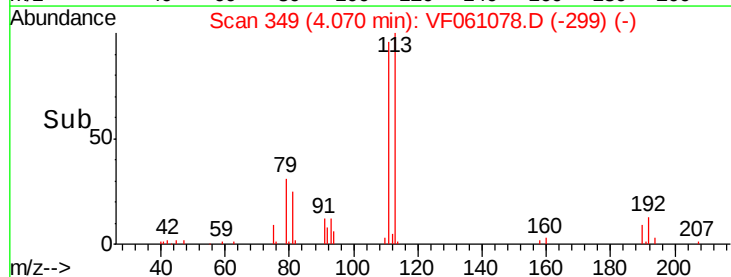
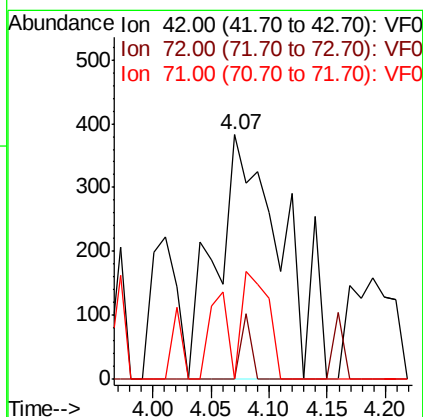
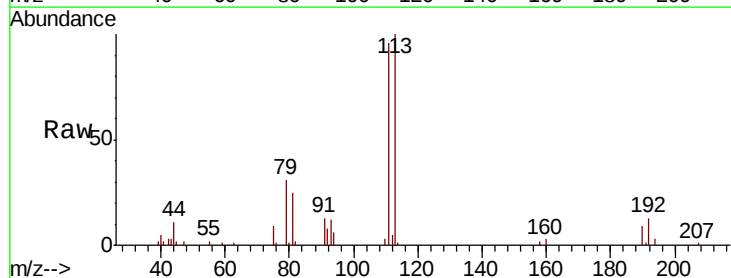
Instrument :
MSVOA_F
ClientSampleId :

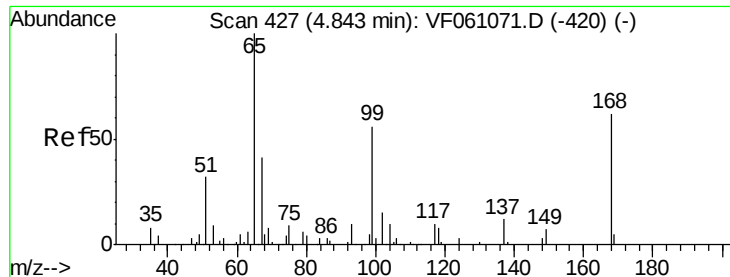
Tot Ion: 43 Resp: 1493
Ion Ratio Lower Upper
43 100
72 25.4 15.6 23.4#



#29
Tetrahydrofuran
Concen: 3.636 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.00 min
Lab File: VF061078.D
Acq: 19 Dec 2018 11:49

Tgt Ion: 42 Resp: 1502
Ion Ratio Lower Upper
42 100
72 4.0 31.8 47.8#
71 17.3 29.7 44.5#

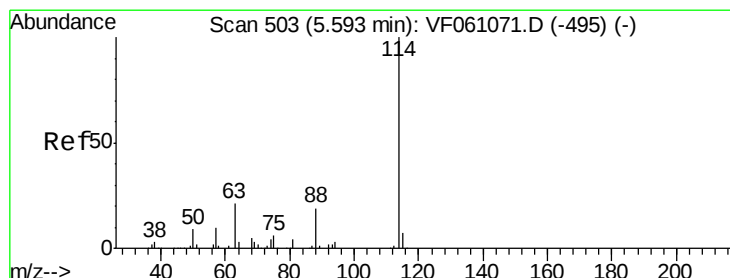
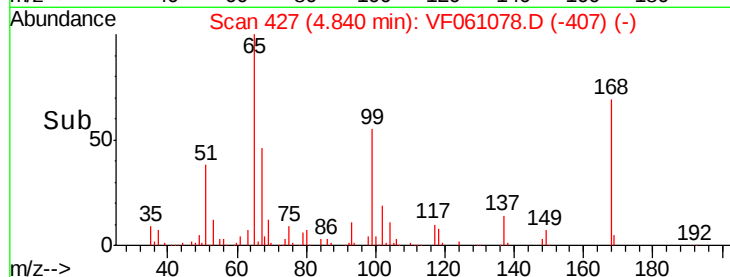
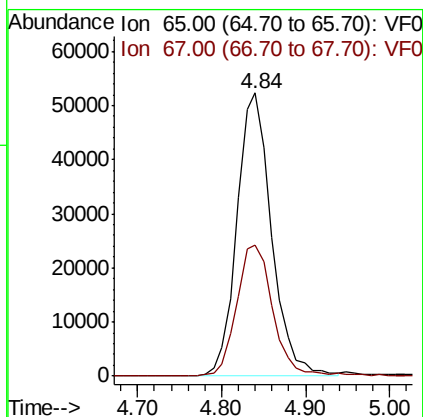
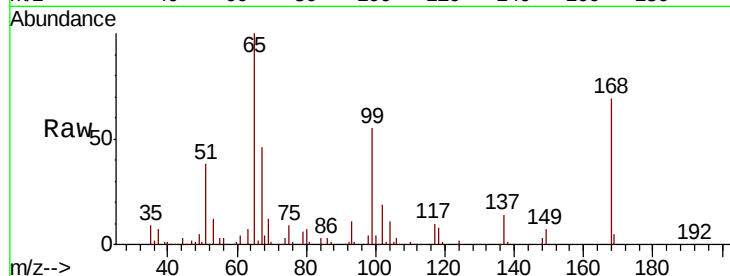




#33
 1,2-Dichloroethane-d4
 Concen: 47.905 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.00 min
 Lab File: VF061078.D
 Acq: 19 Dec 2018 11:49

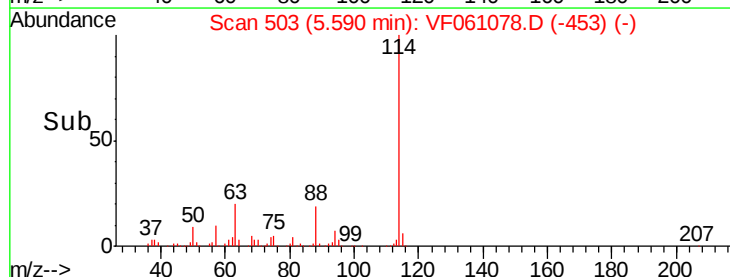
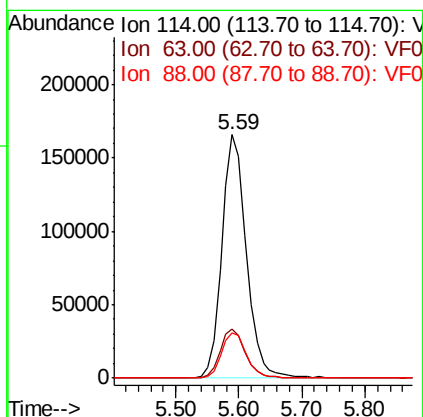
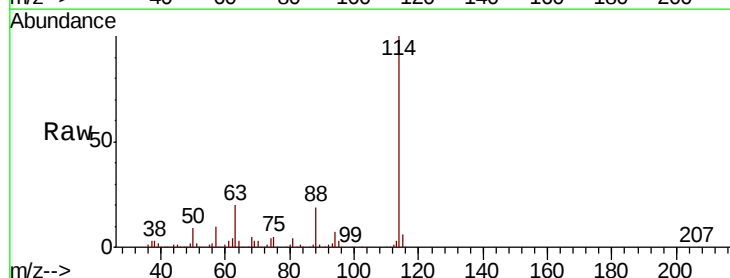
Instrument :
 MSVOA_F
 ClientSampleId :

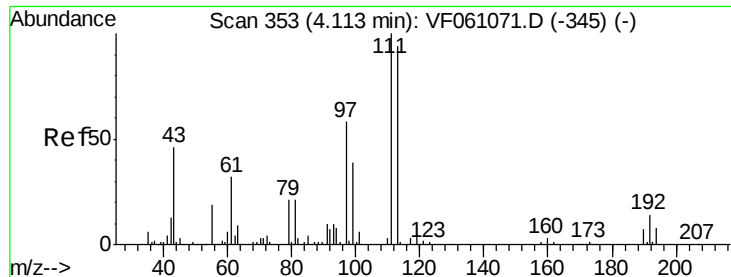
Tot Ion: 65 Resp: 149981
 Ion Ratio Lower Upper
 65 100
 67 46.3 0.0 94.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VF061078.D
 Acq: 19 Dec 2018 11:49

Tgt Ion: 114 Resp: 447634
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.6
 88 18.7 0.0 38.0

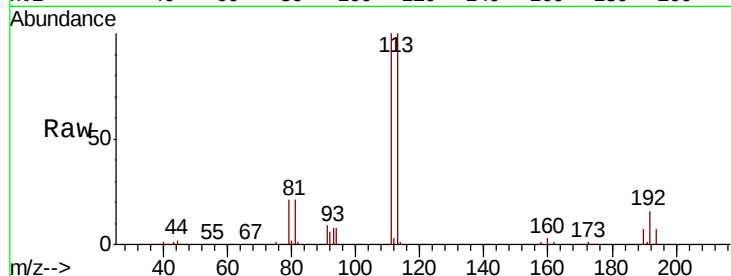




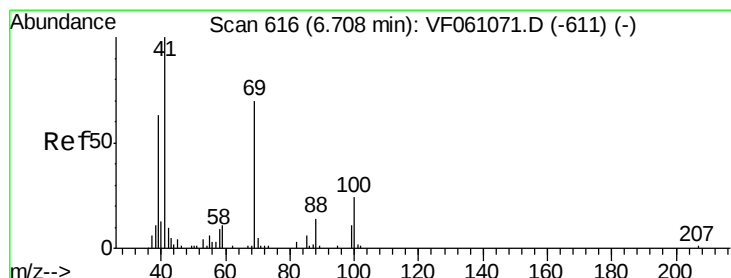
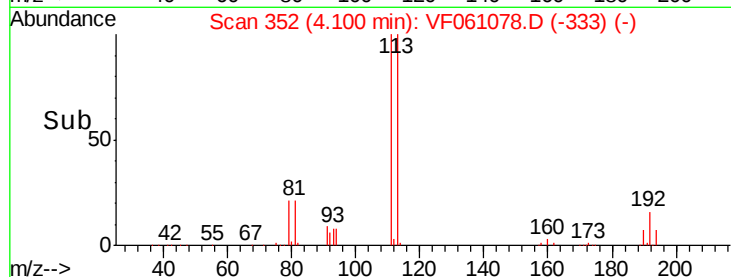
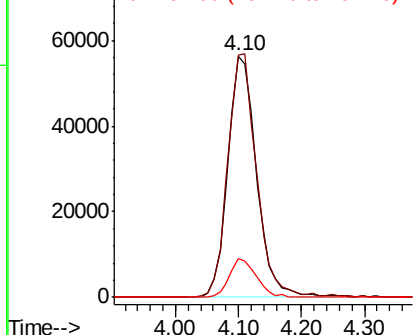
#35
 Dibromofluoromethane
 Concen: 49.647 ug/l
 RT: 4.10 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VF061078.D
 Acq: 19 Dec 2018 11:49

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.0	85.2	127.8
192	16.3	12.8	19.2

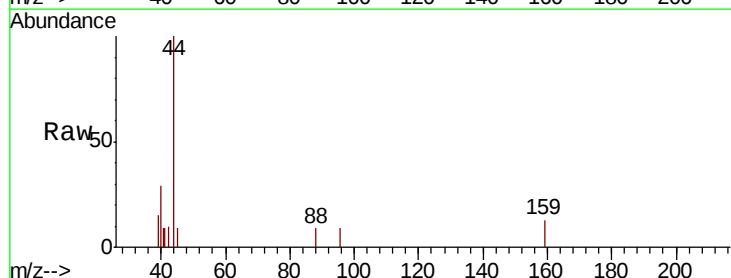


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

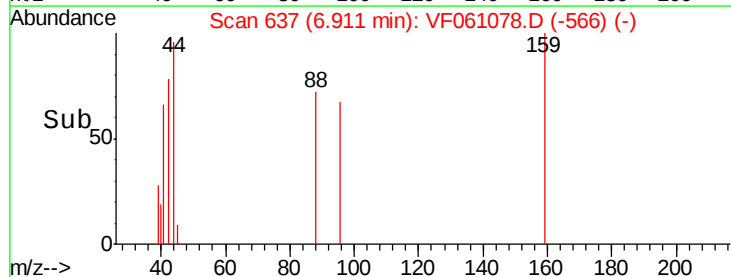
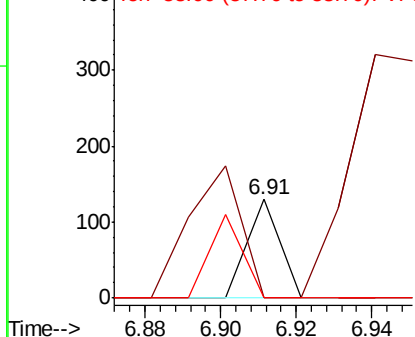


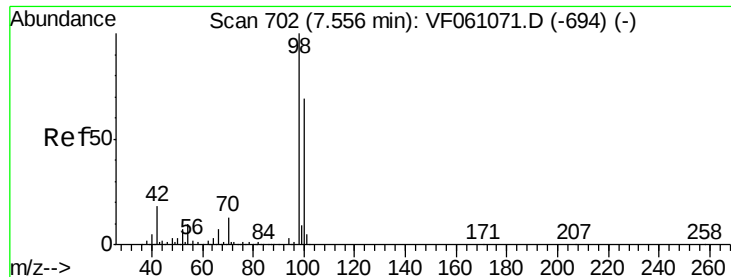
#49
 1,4-Dioxane
 Concen: 5.826 ug/l
 RT: 6.91 min Scan# 637
 Delta R.T. 0.20 min
 Lab File: VF061078.D
 Acq: 19 Dec 2018 11:49

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	33.3	49.9#
58	0.0	53.2	79.8#



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: 47.246 ug/l

RT: 7.55 min Scan# 702

Delta R.T. -0.00 min

Lab File: VF061078.D

Acq: 19 Dec 2018 11:49

Instrument :

MSVOA_F

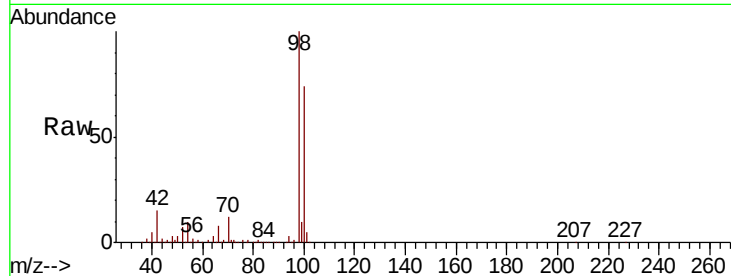
ClientSampleId :

Tot Ion: 98 Resp: 480101

Ion Ratio Lower Upper

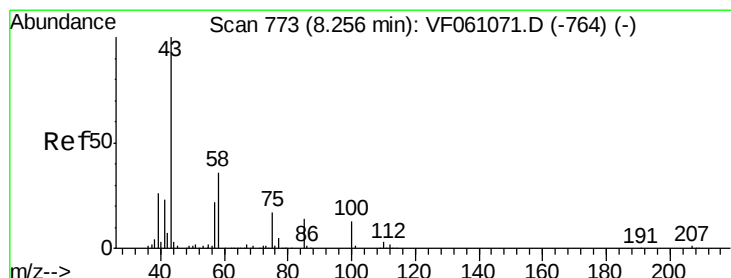
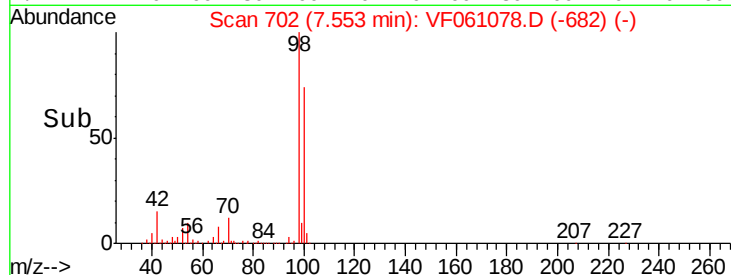
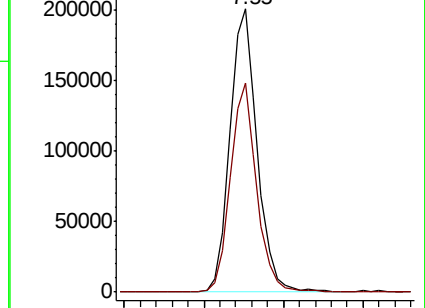
98 100

100 73.7 55.3 82.9



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: 3.221 ug/l

RT: 8.26 min Scan# 774

Delta R.T. 0.01 min

Lab File: VF061078.D

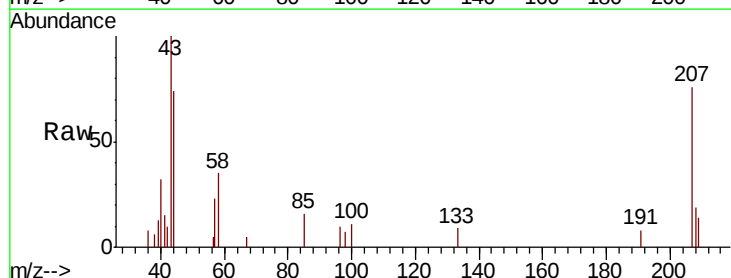
Acq: 19 Dec 2018 11:49

Tgt Ion: 43 Resp: 5763

Ion Ratio Lower Upper

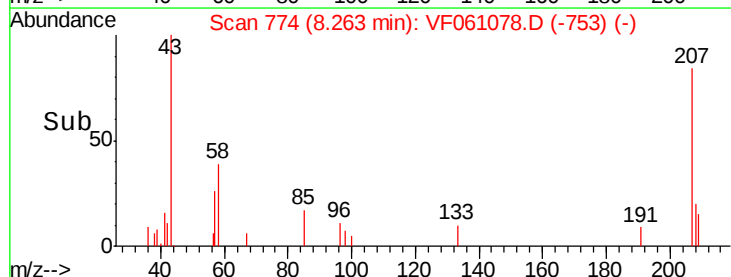
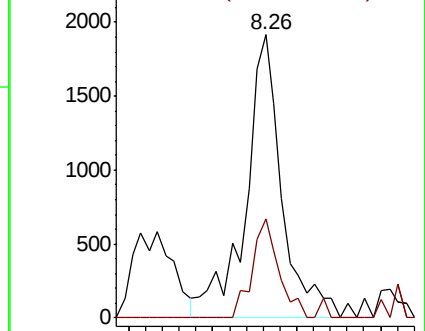
43 100

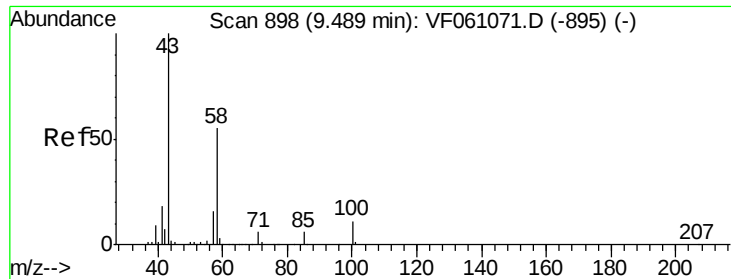
58 35.1 29.1 43.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

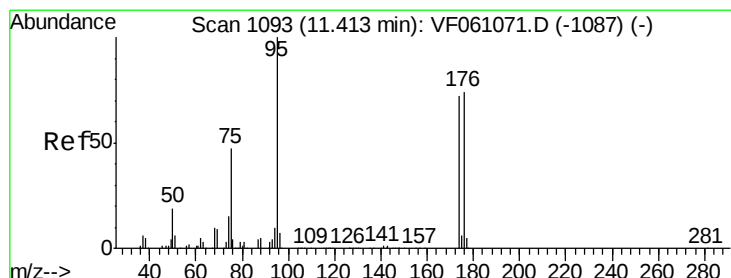
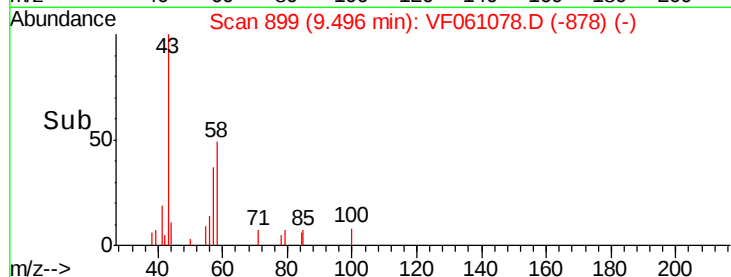
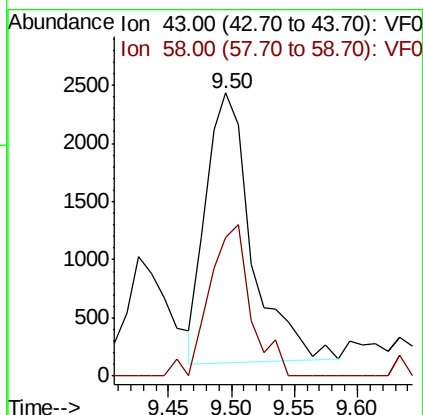
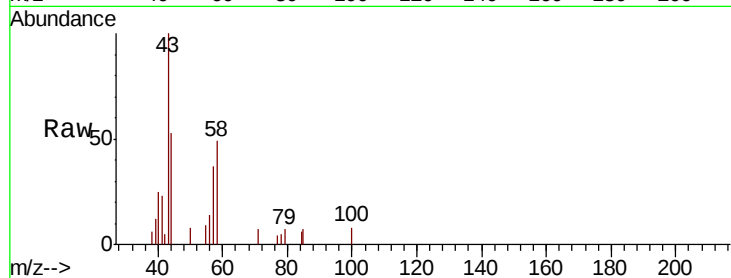




#59
2-Hexanone
Concen: 4.508 ug/l
RT: 9.50 min Scan# 899
Delta R.T. 0.01 min
Lab File: VF061078.D
Acq: 19 Dec 2018 11:49

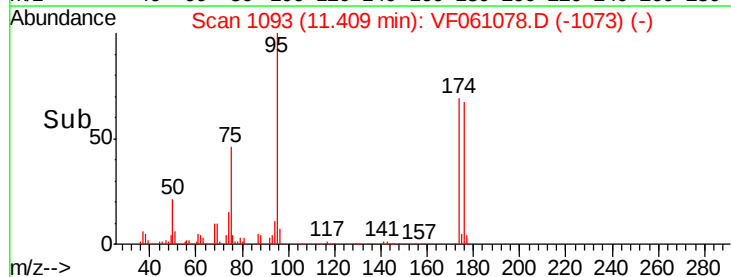
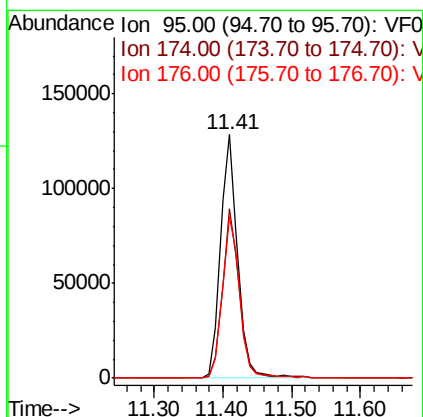
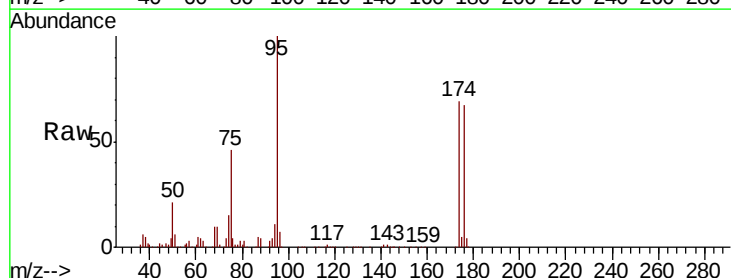
Instrument :
MSVOA_F
ClientSampleId :

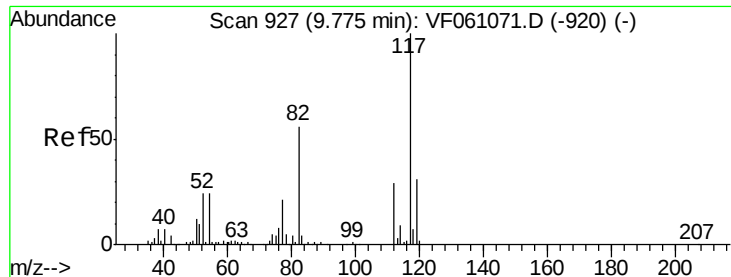
Tot Ion: 43 Resp: 5833
Ion Ratio Lower Upper
43 100
58 48.8 25.1 75.2



#62
4-Bromofluorobenzene
Concen: 47.344 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VF061078.D
Acq: 19 Dec 2018 11:49

Tgt Ion: 95 Resp: 221792
Ion Ratio Lower Upper
95 100
174 69.4 0.0 143.8
176 66.7 0.0 147.6

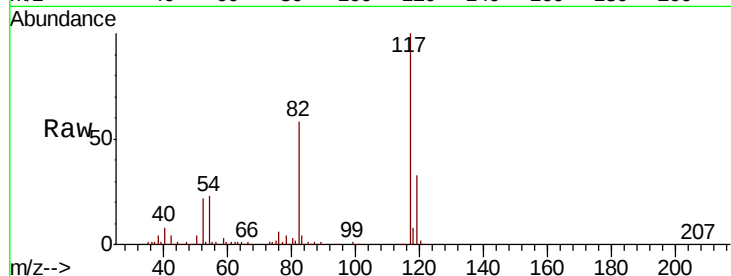




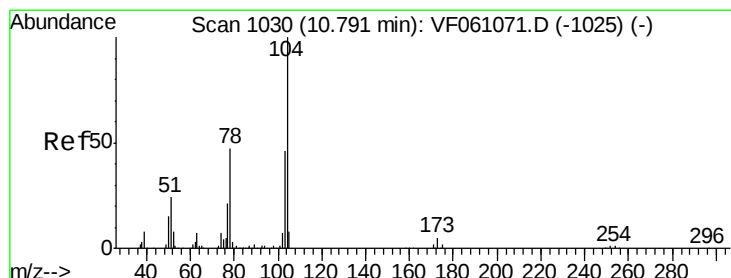
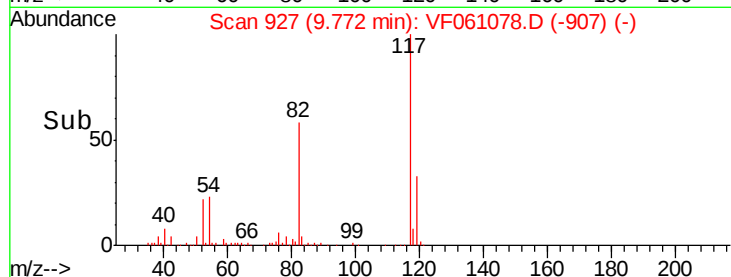
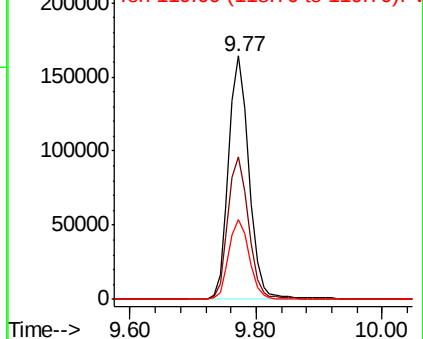
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.00 min
Lab File: VF061078.D
Acq: 19 Dec 2018 11:49

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 368992
Ion Ratio Lower Upper
117 100
82 58.5 45.0 67.4
119 32.5 24.8 37.2

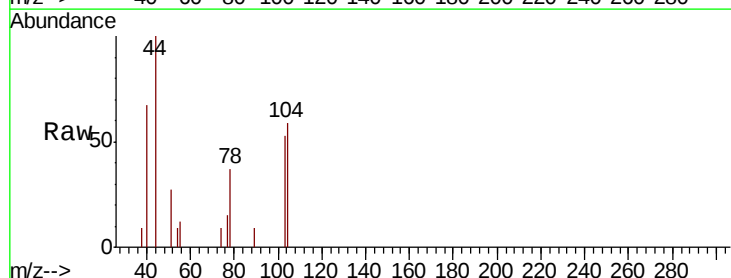


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

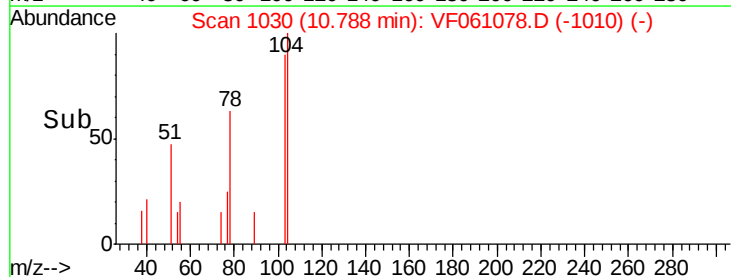
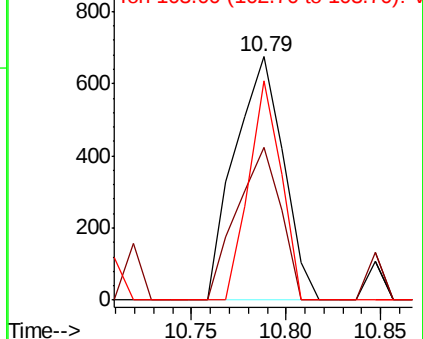


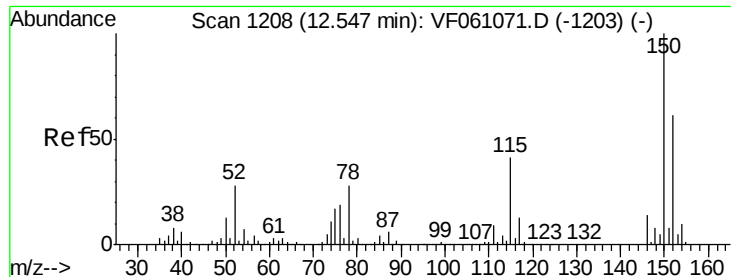
#70
Styrene
Concen: Below Cal
RT: 10.79 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VF061078.D
Acq: 19 Dec 2018 11:49

Tgt Ion:104 Resp: 1207
Ion Ratio Lower Upper
104 100
78 62.5 38.4 57.6#
103 89.9 37.0 55.6#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V



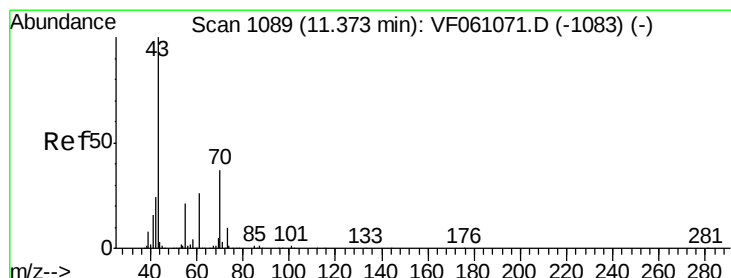
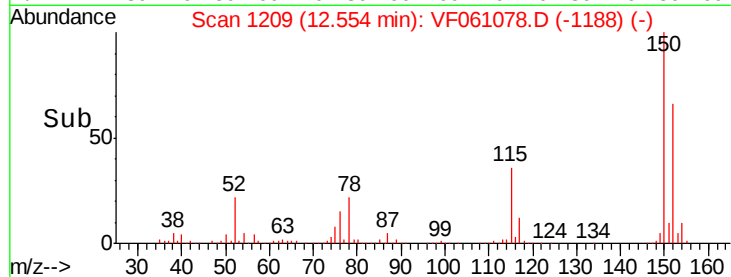
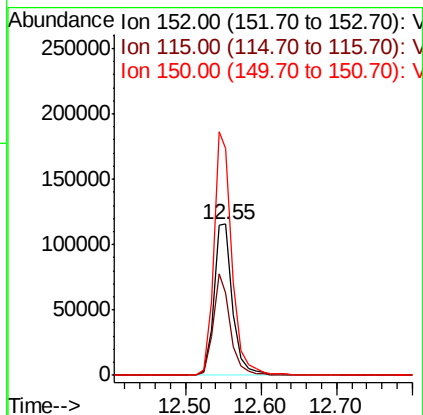
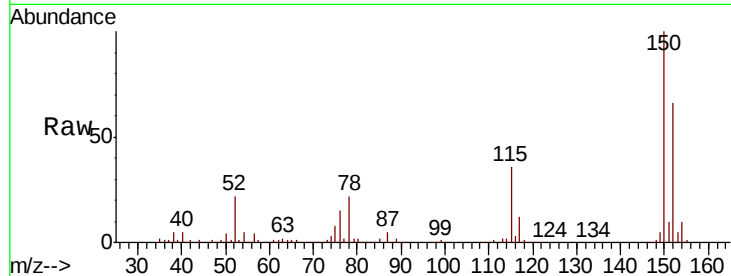


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. 0.01 min
Lab File: VF061078.D
Acq: 19 Dec 2018 11:49

Instrument :
MSVOA_F
ClientSampleId :

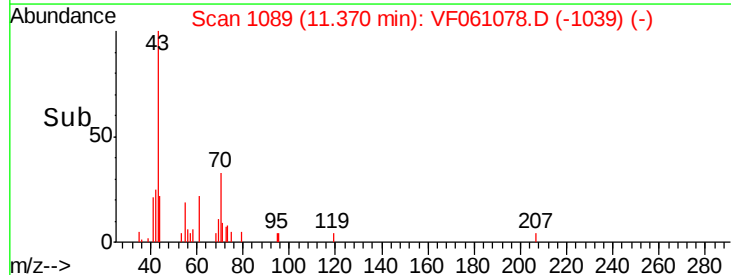
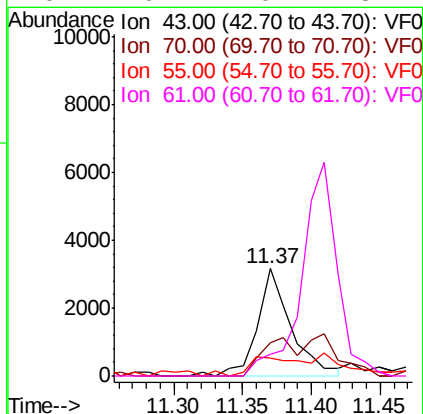
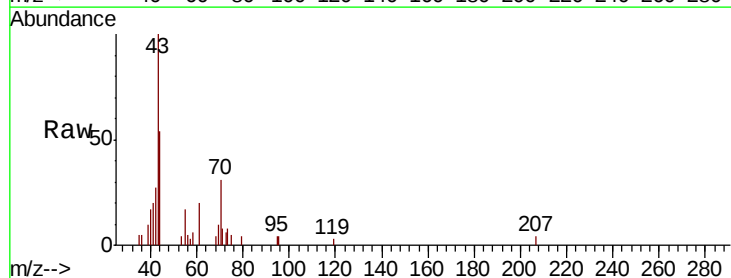
Tot Ion:152 Resp: 202288
Ion Ratio Lower Upper
152 100
115 54.8 33.3 99.9
150 150.6 0.0 328.2

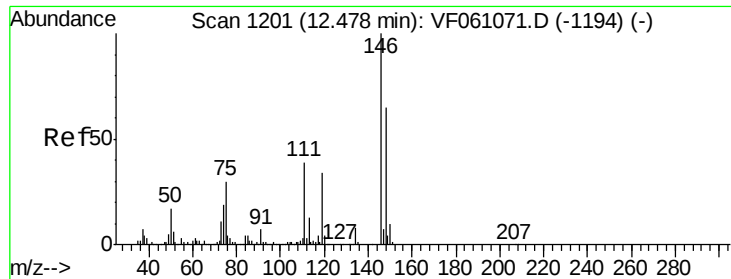


#74

N-amil acetate
Concen: 1.405 ug/l
RT: 11.37 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VF061078.D
Acq: 19 Dec 2018 11:49

Tgt Ion: 43 Resp: 5439
Ion Ratio Lower Upper
43 100
70 30.5 29.2 43.8
55 17.1 16.5 24.7
61 20.2 20.7 31.1#





#87

1,3-Dichlorobenzene

Concen: Below Cal

RT: 12.46 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VF061078.D

Acq: 19 Dec 2018 11:49

Instrument :

MSVOA_F

ClientSampleId :

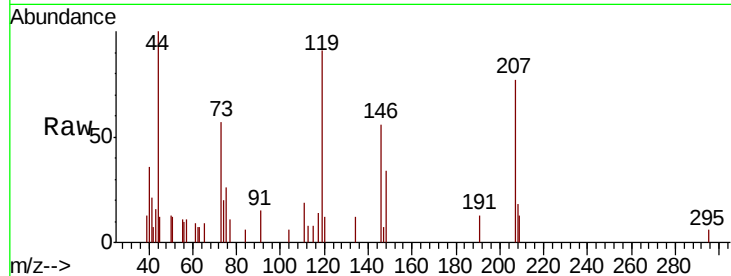
Tot Ion:146 Resp: 1600

Ion Ratio Lower Upper

146 100

111 33.6 19.3 57.9

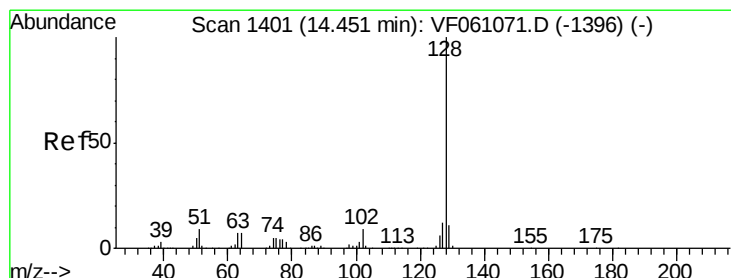
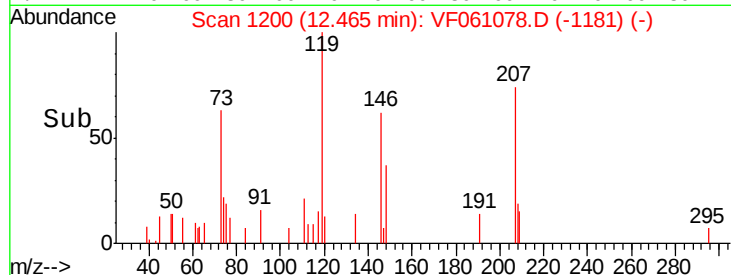
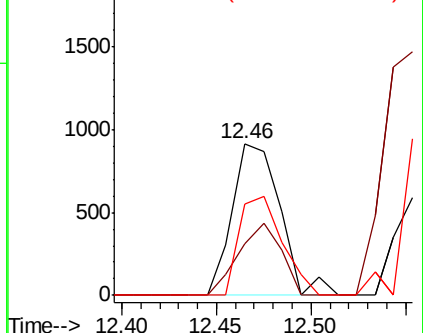
148 60.3 32.4 97.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#95

Naphthalene

Concen: 1.592 ug/l

RT: 14.46 min Scan# 1402

Delta R.T. 0.01 min

Lab File: VF061078.D

Acq: 19 Dec 2018 11:49

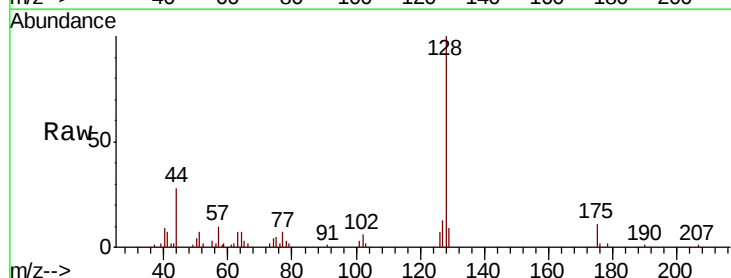
Tgt Ion:128 Resp: 13830

Ion Ratio Lower Upper

128 100

127 12.7 9.4 14.2

129 9.4 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

