

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF090718\
 Data File : VF060222.D
 Acq On : 7 Sep 2018 20:41
 Operator : VA/AP
 Sample : J4803-05
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q2-F6

Quant Time: Sep 07 23:27:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 07 10:44:05 2018
 Response via : Initial Calibration

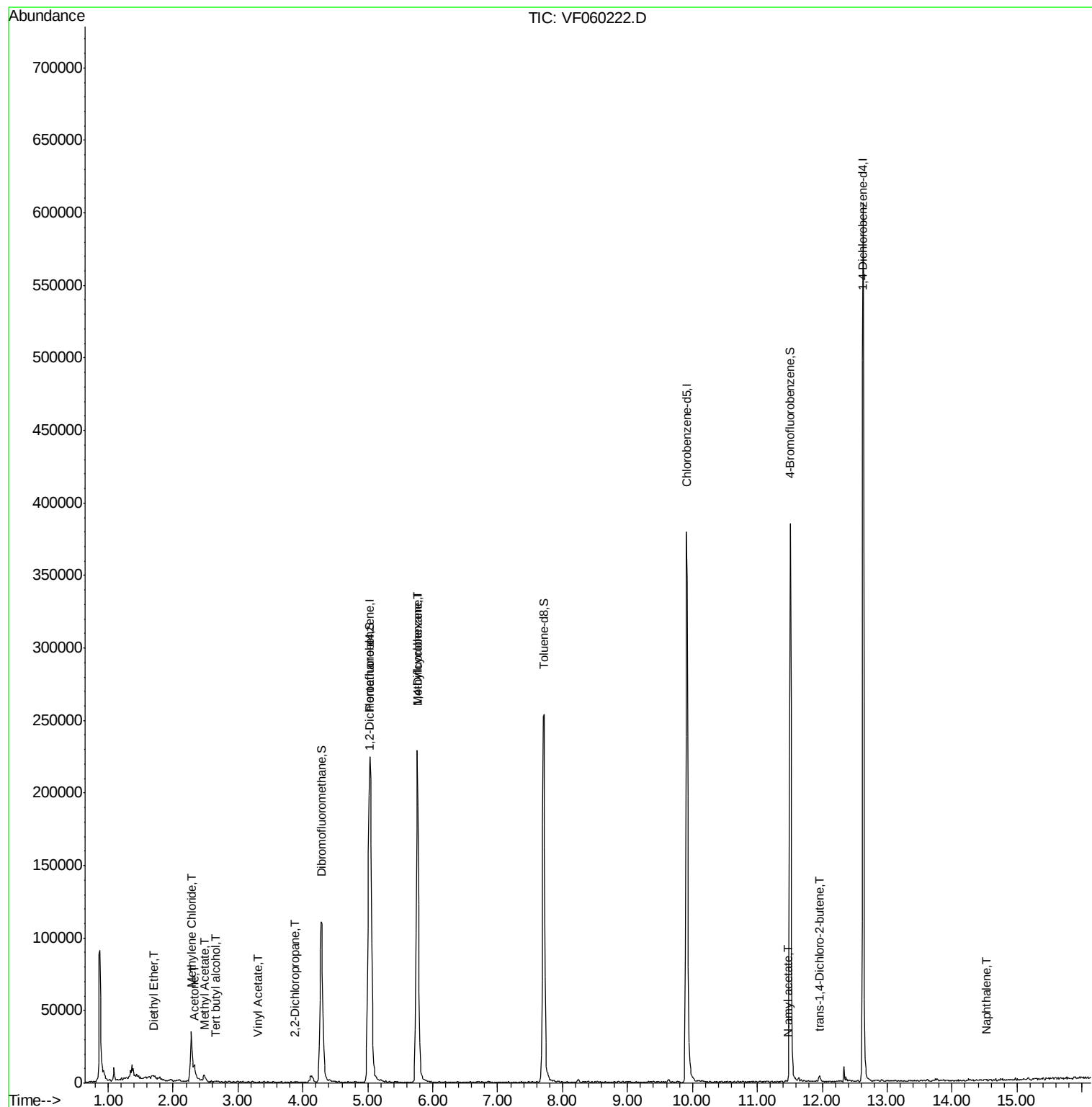
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	149736	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	213061	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	245327	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	140049	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	121292	46.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.74%	
35) Dibromofluoromethane	4.29	113	101612	48.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.36%	
50) Toluene-d8	7.71	98	211738	40.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.30%	
62) 4-Bromofluorobenzene	11.51	95	120832	41.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.22%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	1.70	74	572	1.196	ug/l	79
11) Tert butyl alcohol	2.65	59	329	14.552	ug/l #	75
13) Acrolein	2.12	56	61	Below Cal	#	23
16) Acetone	2.33	43	10511	25.409	ug/l #	92
18) Methyl Acetate	2.48	43	1806	2.043	ug/l #	64
20) Methylene Chloride	2.28	84	17234	5.577	ug/l	95
23) Vinyl Acetate	3.31	43	80	22.840	ug/l #	82
26) 2,2-Dichloropropane	3.88	77	72	2.053	ug/l #	64
37) Ethyl Acetate	4.29	43	79	Below Cal	#	17
39) Methylcyclohexane	5.76	83	3239	1.542	ug/l #	27
64) Tetrachloroethene	8.27	164	73	Below Cal	#	1
74) N-amyl acetate	11.46	43	428	4.996	ug/l #	49
81) trans-1,4-Dichloro-2-buten	11.97	75	135	2.899	ug/l #	9
95) Naphthalene	14.52	128	550	2.708	ug/l #	70

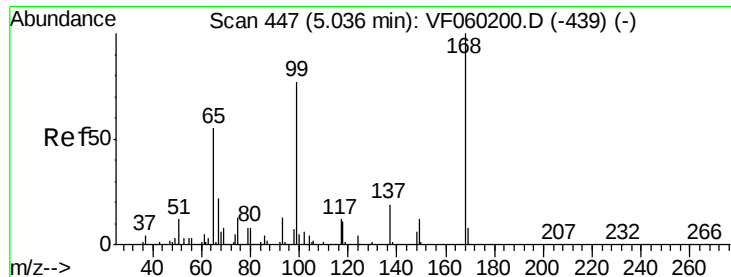
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 447

Delta R.T. 0.00 min

Lab File: VF060222.D

Acq: 7 Sep 2018 20:41

Instrument :

MSVOA_F

ClientSampleId :

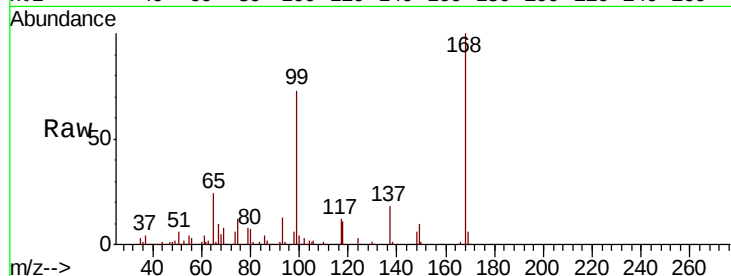
EP1-Q2-F6

Tgt Ion:168 Resp: 149736

Ion Ratio Lower Upper

168 100

99 73.3 61.8 92.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

60000

50000

40000

30000

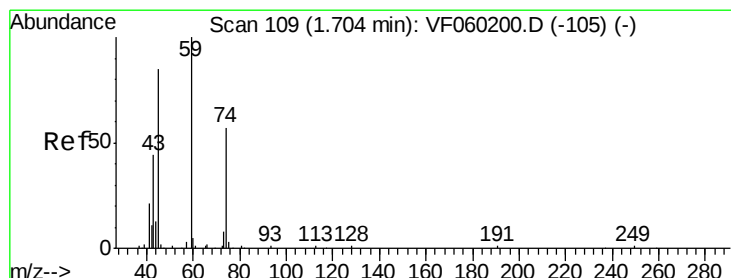
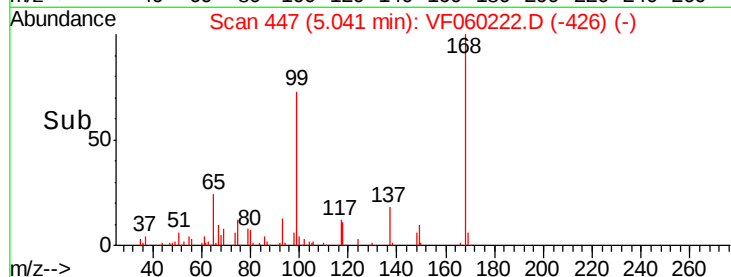
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#8

Diethyl Ether

Concen: 1.196 ug/l

RT: 1.70 min Scan# 108

Delta R.T. -0.01 min

Lab File: VF060222.D

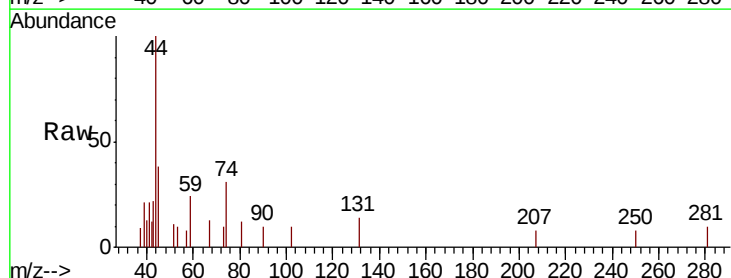
Acq: 7 Sep 2018 20:41

Tgt Ion: 74 Resp: 572

Ion Ratio Lower Upper

74 100

45 124.1 75.3 225.7



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1.70

500

400

300

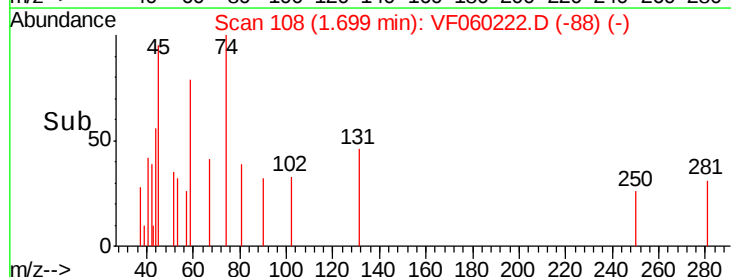
200

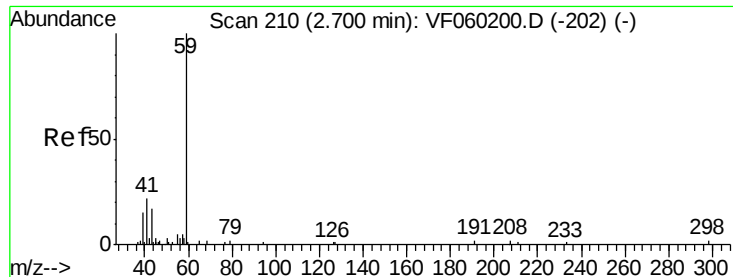
100

0

Time-->

1.60 1.65 1.70 1.75

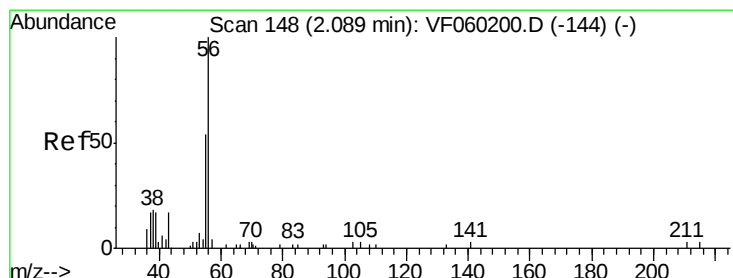
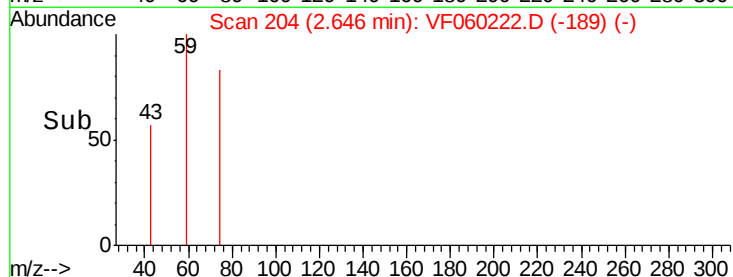
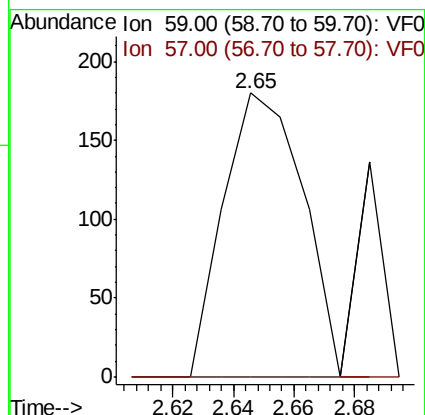
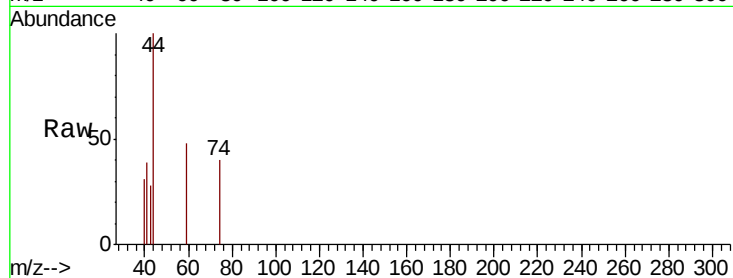




#11
Tert butyl alcohol
Concen: 14.552 ug/l
RT: 2.65 min Scan# 204
Delta R.T. -0.05 min
Lab File: VF060222.D
Acq: 7 Sep 2018 20:41

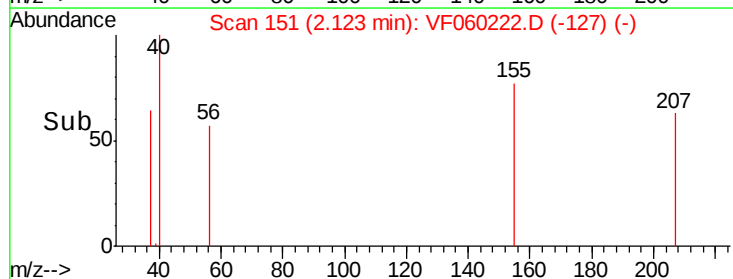
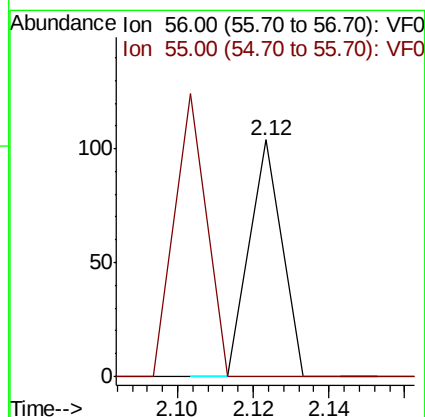
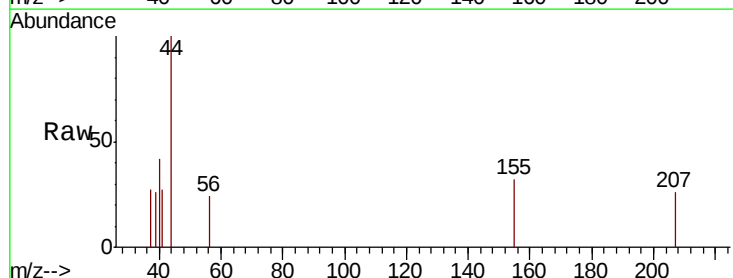
Instrument :
MSVOA_F
ClientSampleId :
EP1-Q2-F6

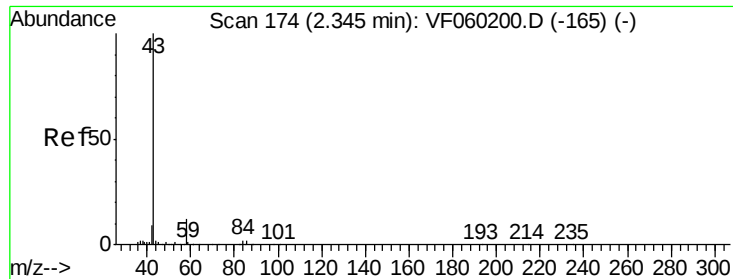
Tgt Ion: 59 Resp: 329
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#



#13
Acrolein
Concen: Below Cal
RT: 2.12 min Scan# 151
Delta R.T. 0.04 min
Lab File: VF060222.D
Acq: 7 Sep 2018 20:41

Tgt Ion: 56 Resp: 61
Ion Ratio Lower Upper
56 100
55 0.0 45.1 67.7#





#16

Acetone

Concen: 25.409 ug/l

RT: 2.33 min Scan# 172

Delta R.T. -0.01 min

Lab File: VF060222.D

Acq: 7 Sep 2018 20:41

Instrument :

MSVOA_F

ClientSampleId :

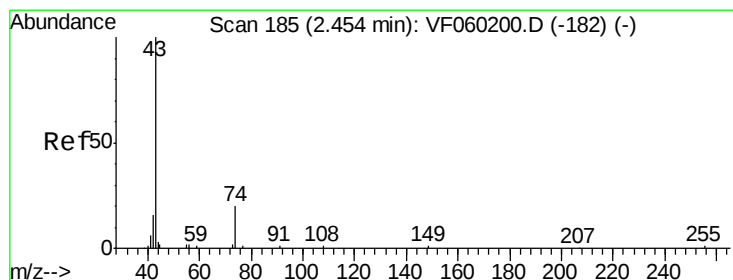
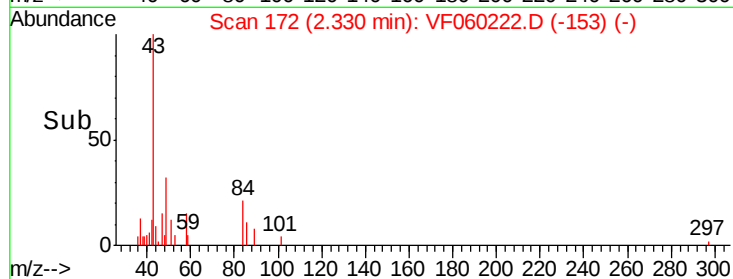
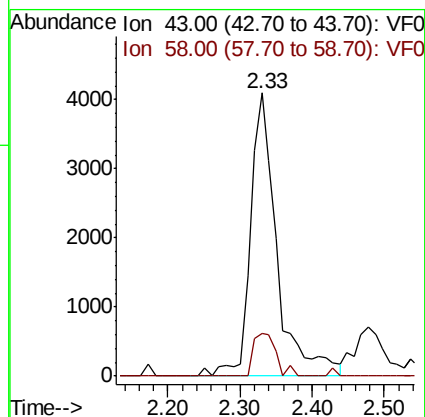
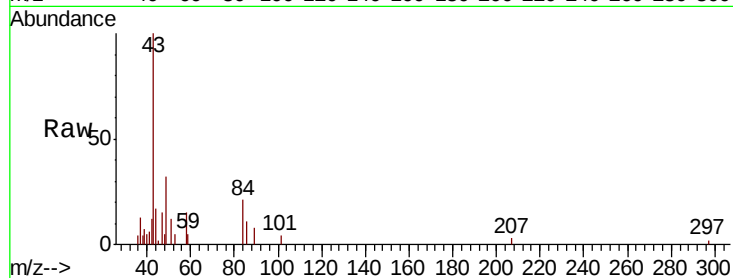
EP1-Q2-F6

Tgt Ion: 43 Resp: 10511

Ion Ratio Lower Upper

43 100

58 15.1 9.7 14.5#



#18

Methyl Acetate

Concen: 2.043 ug/l

RT: 2.48 min Scan# 187

Delta R.T. 0.02 min

Lab File: VF060222.D

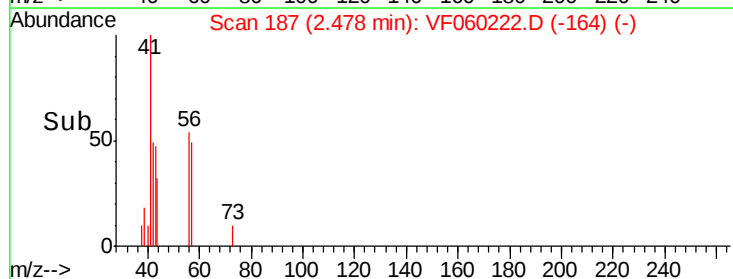
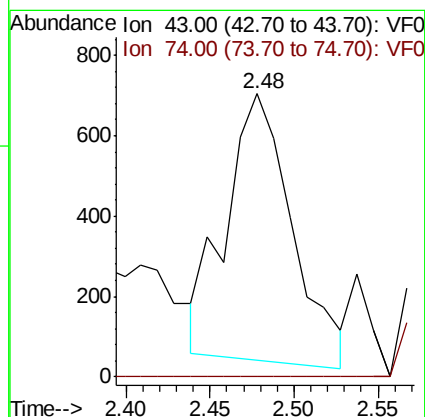
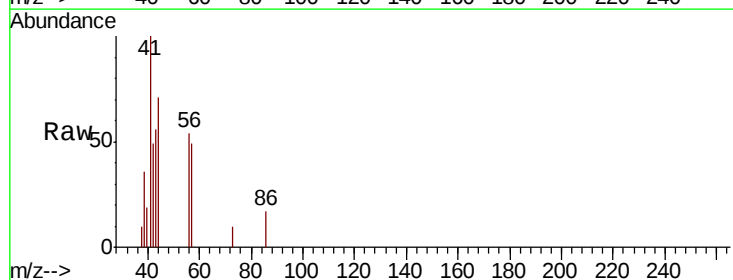
Acq: 7 Sep 2018 20:41

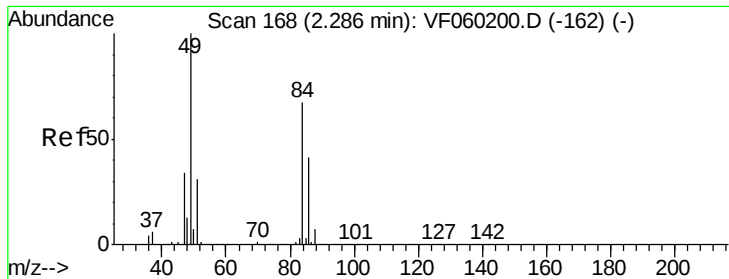
Tgt Ion: 43 Resp: 1806

Ion Ratio Lower Upper

43 100

74 0.0 11.9 17.9#





#20

Methylene Chloride

Concen: 5.577 ug/l

RT: 2.28 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF060222.D

Acq: 7 Sep 2018 20:41

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q2-F6

Tgt Ion: 84 Resp: 17234

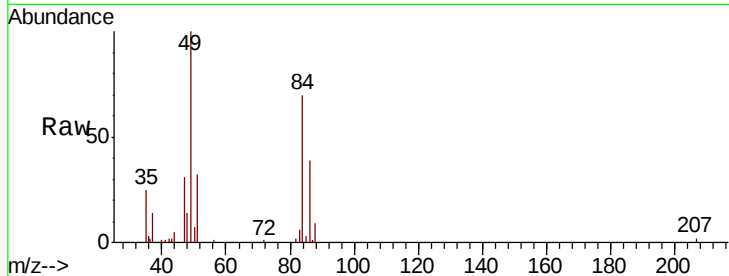
Ion Ratio Lower Upper

84 100

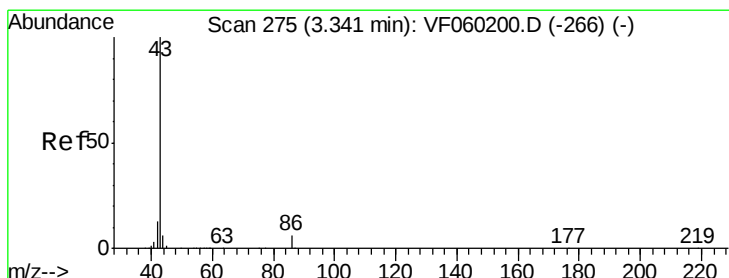
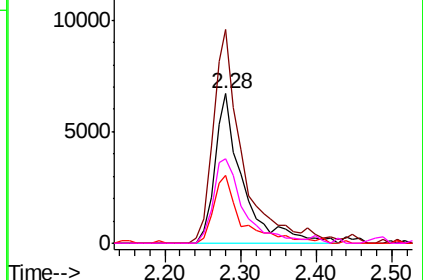
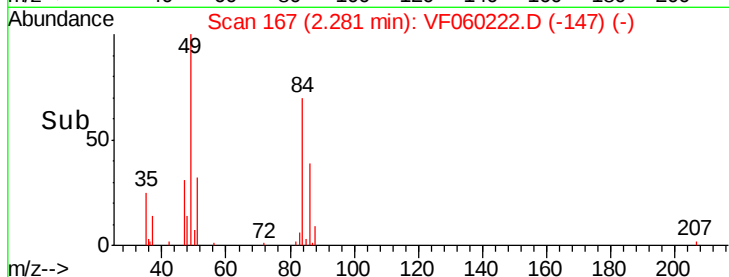
49 143.0 120.1 180.1

51 45.5 37.0 55.6

86 56.3 49.0 73.6



Abundance Ion 84.00 (83.70 to 84.70): VF0
15000
Ion 49.00 (48.70 to 49.70): VF0
Ion 51.00 (50.70 to 51.70): VF0
Ion 86.00 (85.70 to 86.70): VF0



#23

Vinyl Acetate

Concen: 22.840 ug/l

RT: 3.31 min Scan# 271

Delta R.T. -0.03 min

Lab File: VF060222.D

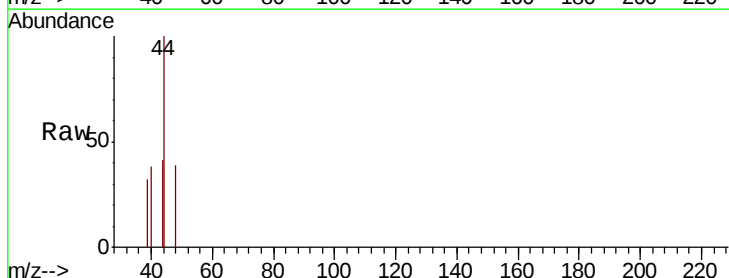
Acq: 7 Sep 2018 20:41

Tgt Ion: 43 Resp: 80

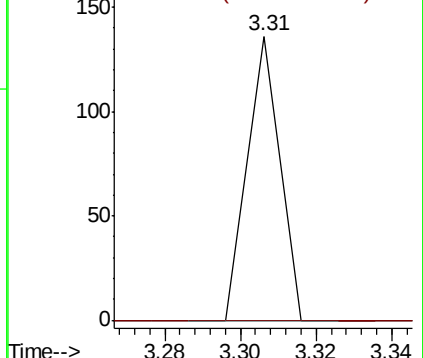
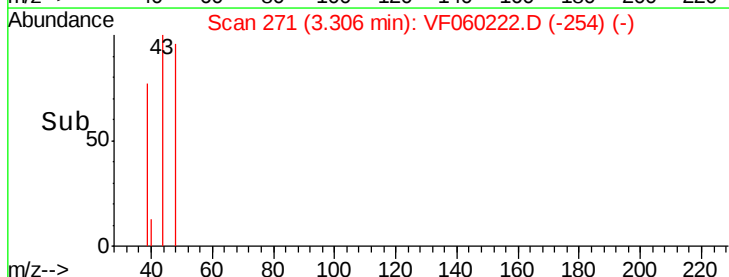
Ion Ratio Lower Upper

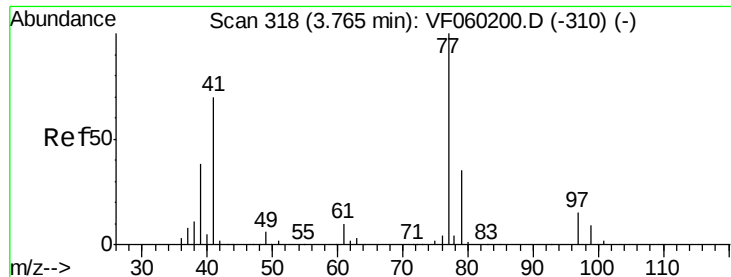
43 100

86 0.0 4.8 7.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0
150
Ion 86.00 (85.70 to 86.70): VF0





#26

2,2-Dichloropropane

Concen: 2.053 ug/l

RT: 3.88 min Scan# 329

Delta R.T. 0.11 min

Lab File: VF060222.D

Acq: 7 Sep 2018 20:41

Instrument :

MSVOA_F

ClientSampleId :

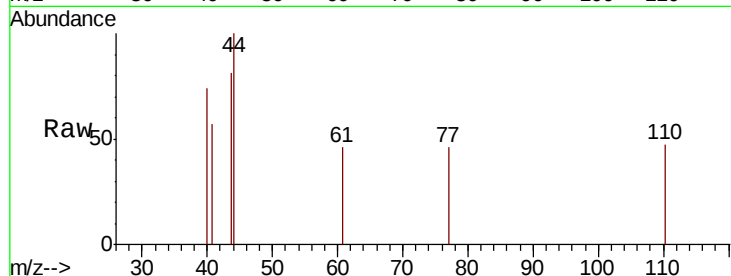
EP1-Q2-F6

Tgt Ion: 77 Resp: 72

Ion Ratio Lower Upper

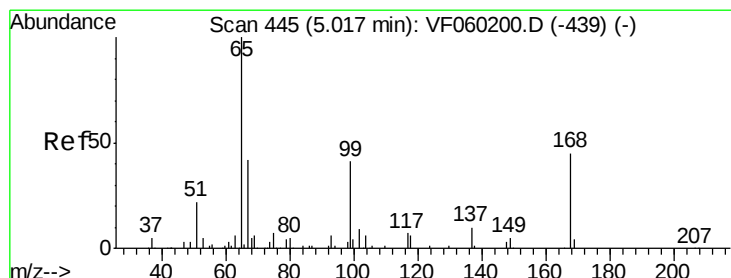
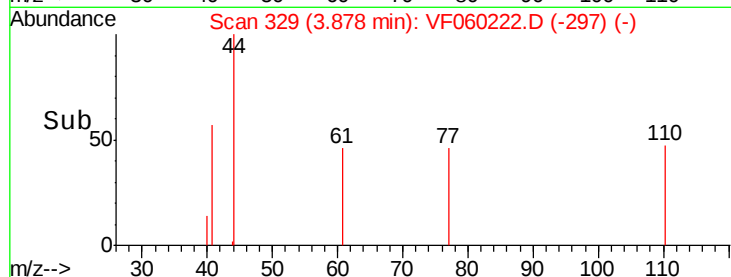
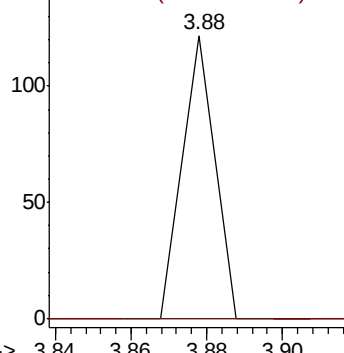
77 100

97 0.0 7.5 22.5#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 46.368 ug/l

RT: 5.01 min Scan# 444

Delta R.T. -0.01 min

Lab File: VF060222.D

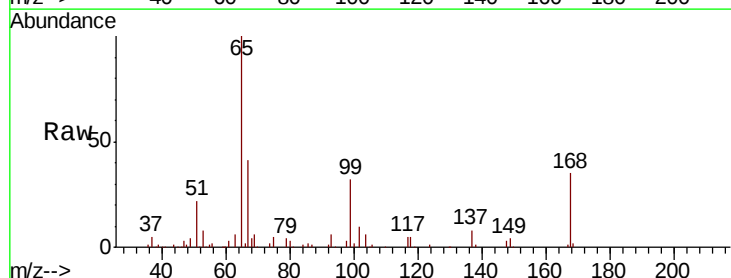
Acq: 7 Sep 2018 20:41

Tgt Ion: 65 Resp: 121292

Ion Ratio Lower Upper

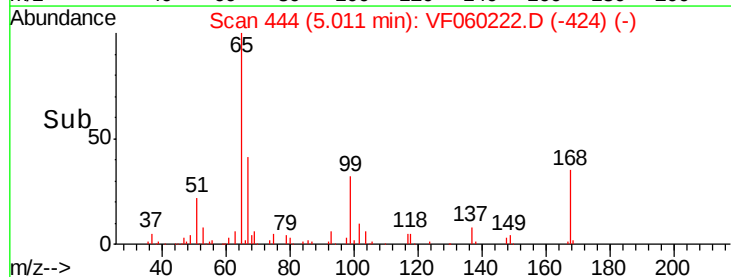
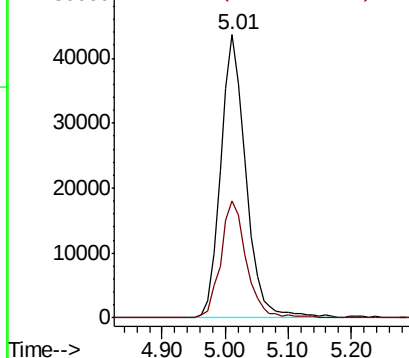
65 100

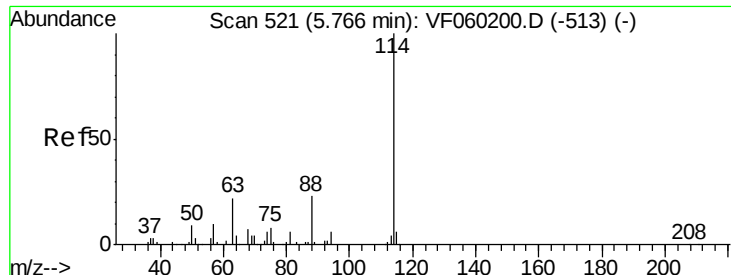
67 41.2 0.0 87.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

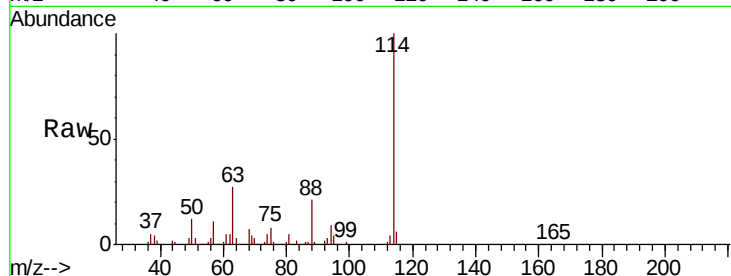




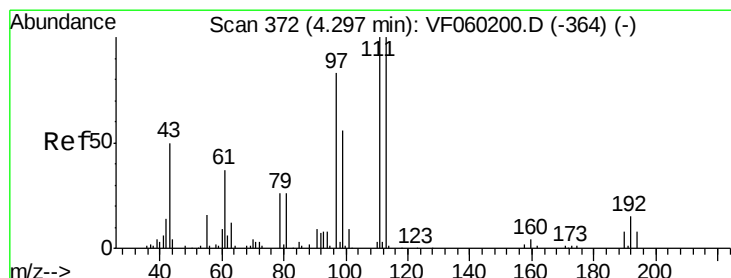
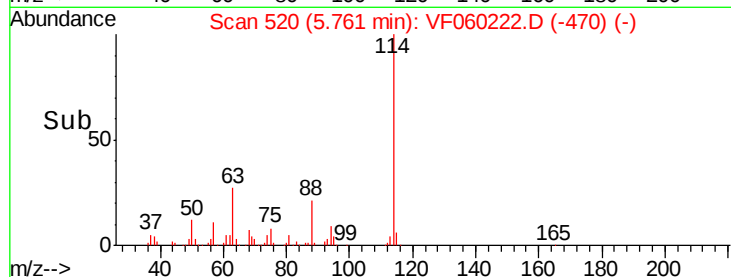
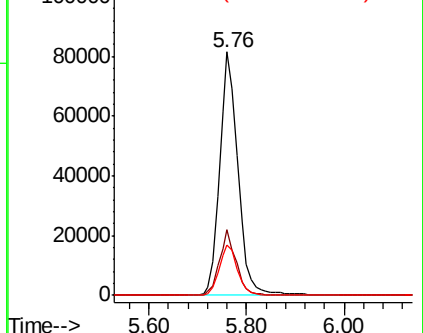
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 520
 Delta R.T. -0.01 min
 Lab File: VF060222.D
 Acq: 7 Sep 2018 20:41

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q2-F6

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.7	0.0	45.6
88	20.6	0.0	46.4

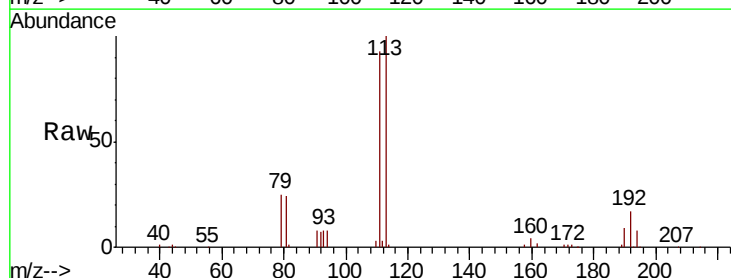


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

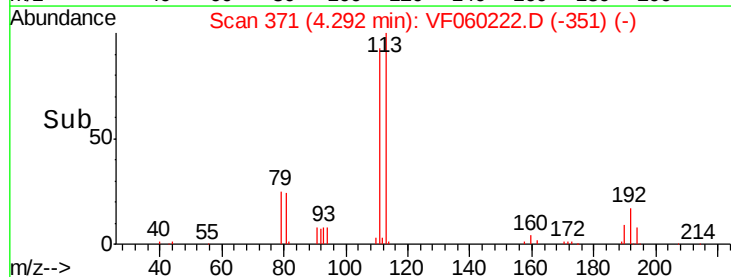
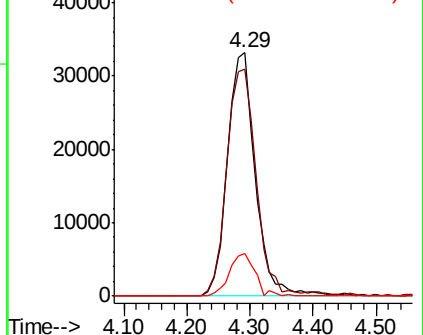


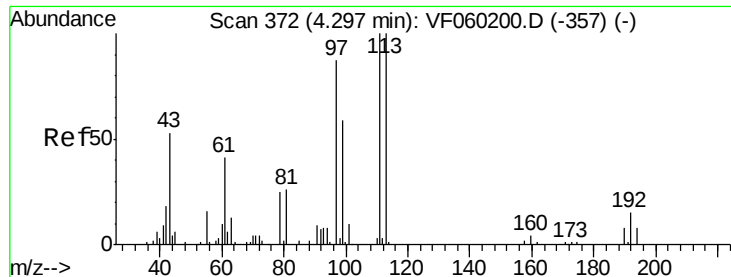
#35
 Dibromofluoromethane
 Concen: 48.679 ug/l
 RT: 4.29 min Scan# 371
 Delta R.T. -0.01 min
 Lab File: VF060222.D
 Acq: 7 Sep 2018 20:41

Tgt Ion	Ratio	Lower	Upper
113	100		
111	93.4	80.2	120.2
192	17.4	11.8	17.8



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

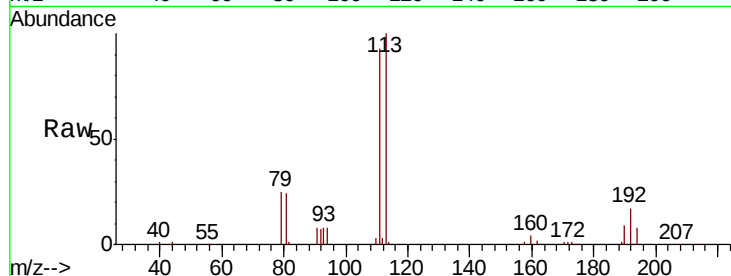




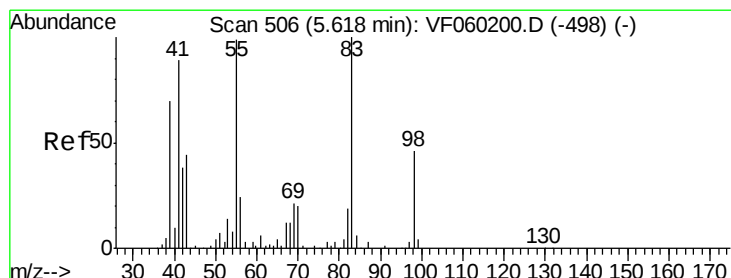
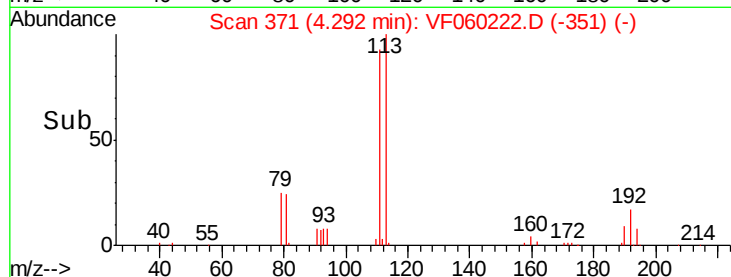
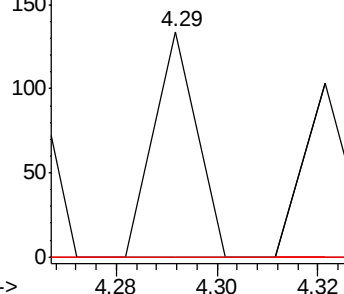
#37
Ethyl Acetate
Concen: Below Cal
RT: 4.29 min Scan# 371
Delta R.T. -0.00 min
Lab File: VF060222.D
Acq: 7 Sep 2018 20:41

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q2-F6

Tgt Ion: 43 Resp: 79
Ion Ratio Lower Upper
43 100
61 0.0 61.6 92.4#
70 0.0 6.9 10.3#

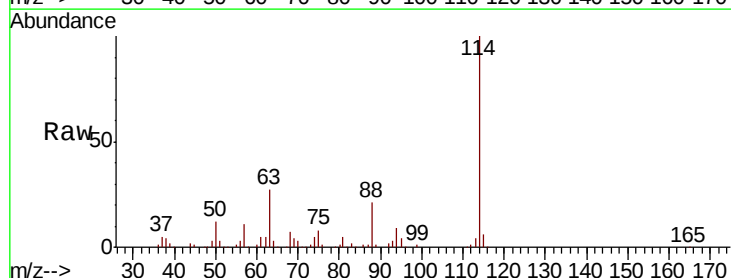


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

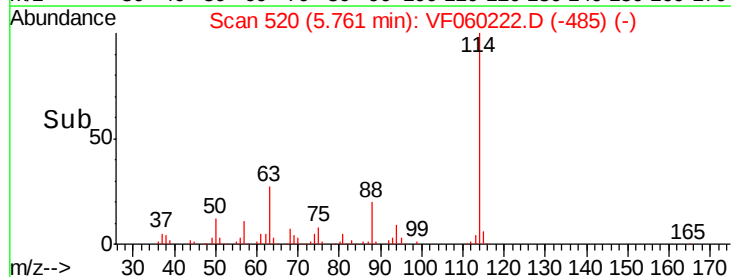
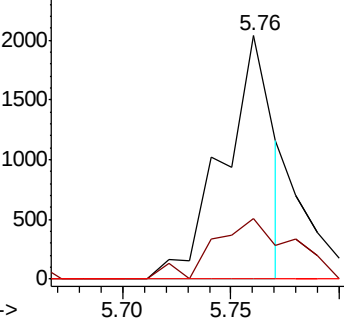


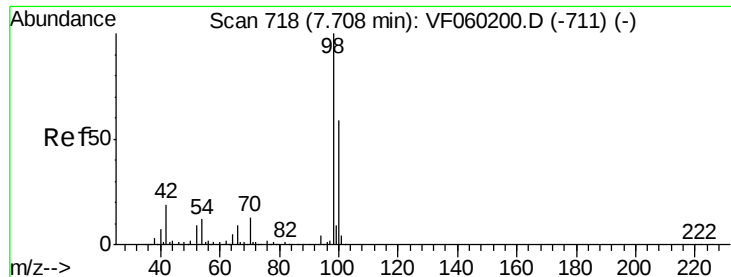
#39
Methylcyclohexane
Concen: 1.542 ug/l
RT: 5.76 min Scan# 520
Delta R.T. 0.14 min
Lab File: VF060222.D
Acq: 7 Sep 2018 20:41

Tgt Ion: 83 Resp: 3239
Ion Ratio Lower Upper
83 100
55 24.7 79.0 118.4#
98 0.0 36.7 55.1#



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

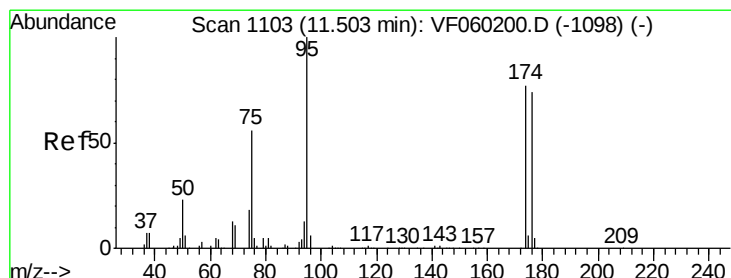
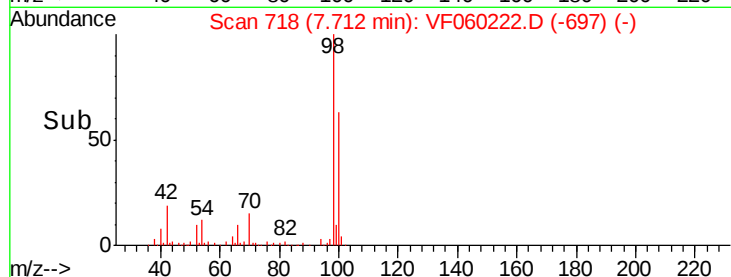
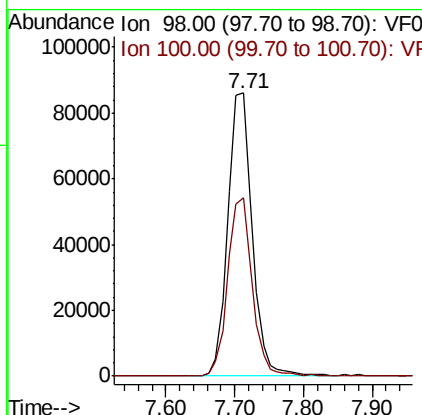
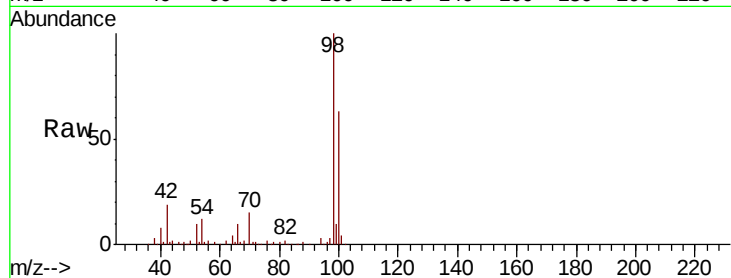




#50
Toluene-d8
Concen: 40.649 ug/l
RT: 7.71 min Scan# 718
Delta R.T. 0.00 min
Lab File: VF060222.D
Acq: 7 Sep 2018 20:41

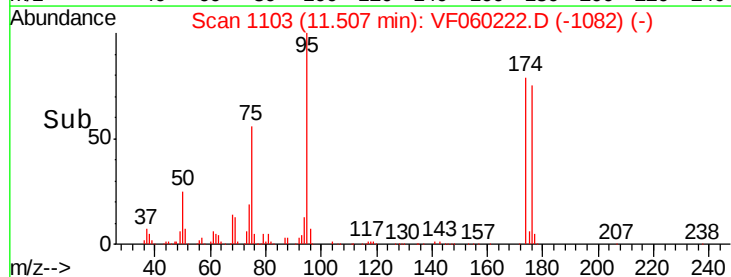
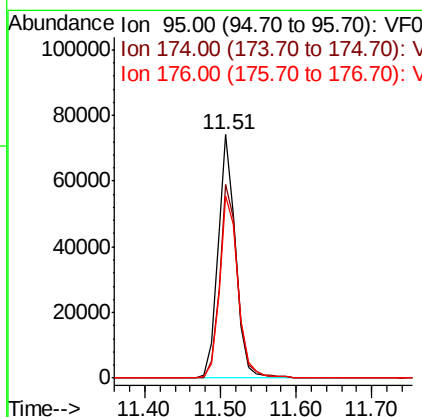
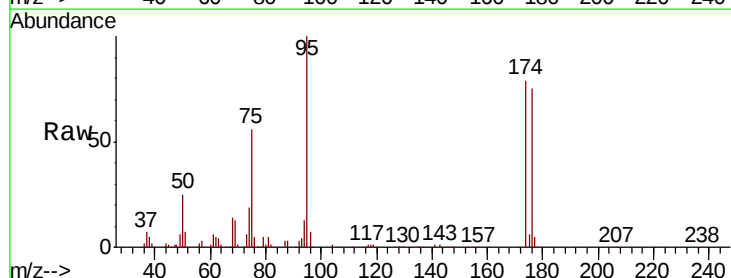
Instrument :
MSVOA_F
ClientSampleId :
EP1-Q2-F6

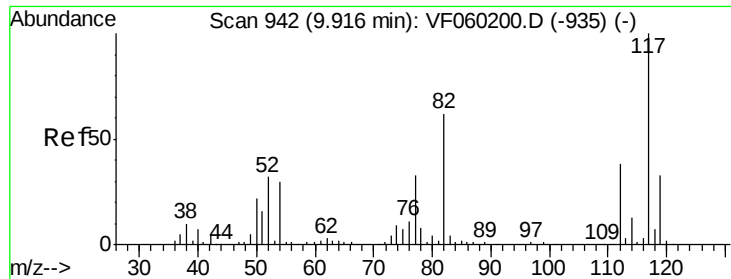
Tgt Ion: 98 Resp: 211738
Ion Ratio Lower Upper
98 100
100 63.1 47.4 71.0



#62
4-Bromofluorobenzene
Concen: 41.113 ug/l
RT: 11.51 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VF060222.D
Acq: 7 Sep 2018 20:41

Tgt Ion: 95 Resp: 120832
Ion Ratio Lower Upper
95 100
174 79.3 0.0 153.2
176 74.6 0.0 147.2

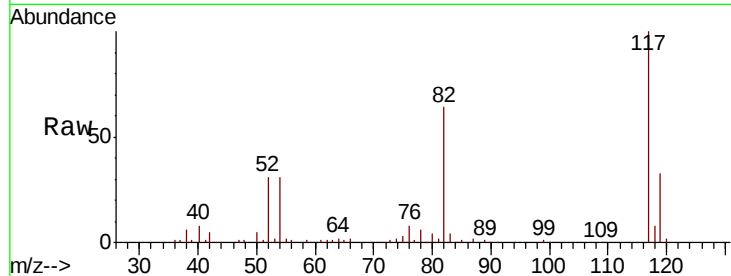




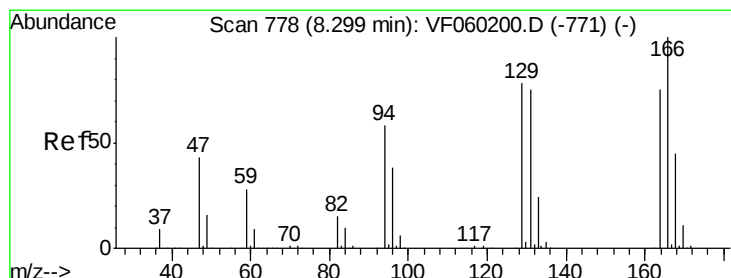
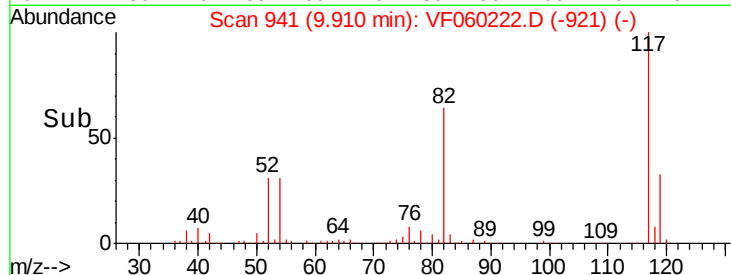
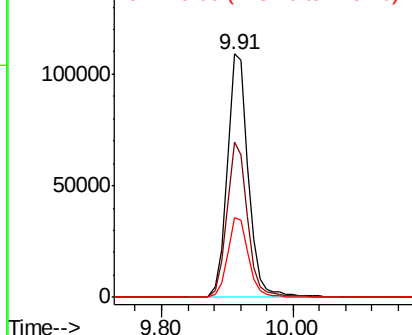
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.01 min
Lab File: VF060222.D
Acq: 7 Sep 2018 20:41

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q2-F6

Tgt Ion:117 Resp: 245327
Ion Ratio Lower Upper
117 100
82 63.6 49.3 73.9
119 32.9 26.5 39.7

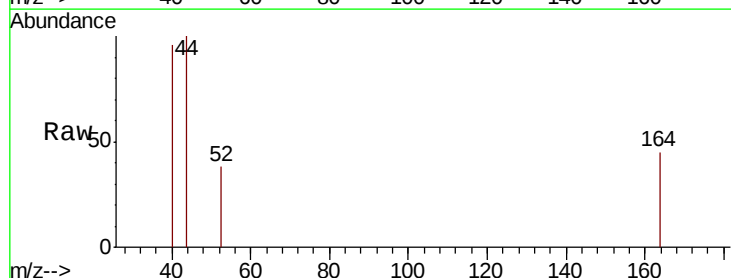


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

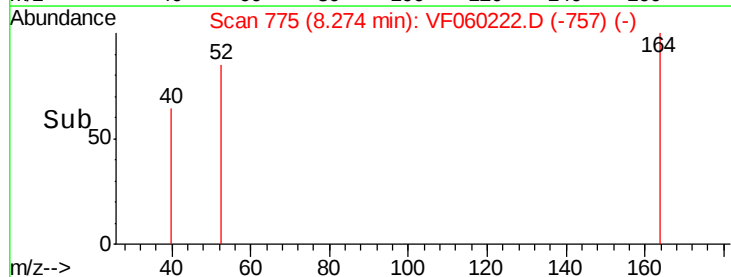
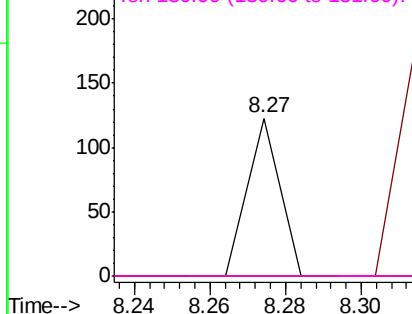


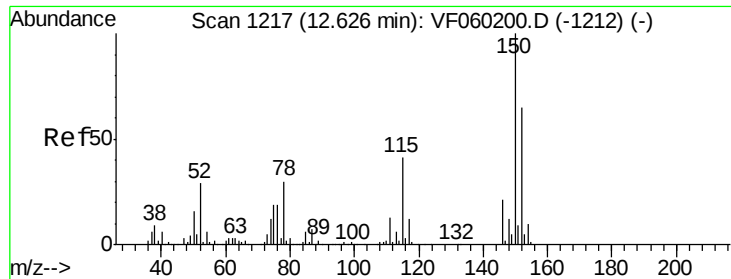
#64
Tetrachloroethene
Concen: Below Cal
RT: 8.27 min Scan# 775
Delta R.T. -0.02 min
Lab File: VF060222.D
Acq: 7 Sep 2018 20:41

Tgt Ion:164 Resp: 73
Ion Ratio Lower Upper
164 100
166 0.0 107.0 160.4#
129 0.0 83.0 124.6#
131 0.0 79.8 119.8#



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V



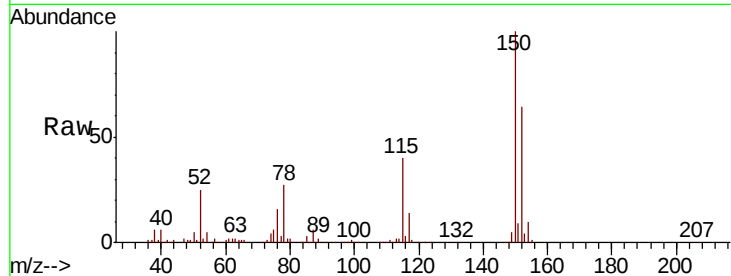


#72

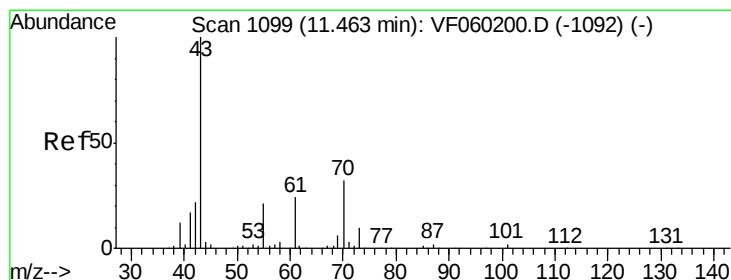
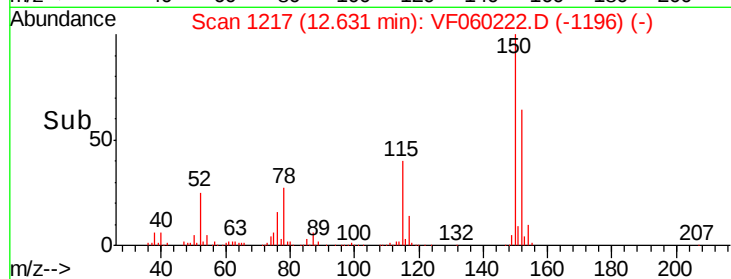
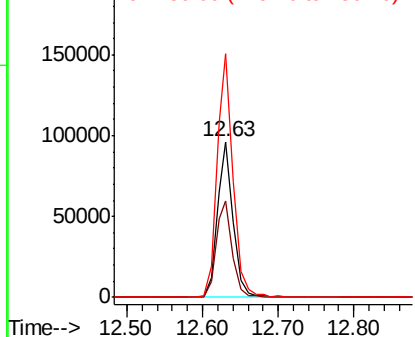
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1217
Delta R.T. 0.00 min
Lab File: VF060222.D
Acq: 7 Sep 2018 20:41

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q2-F6

Tgt Ion:152 Resp: 140049
Ion Ratio Lower Upper
152 100
115 61.8 31.5 94.5
150 156.3 0.0 310.4



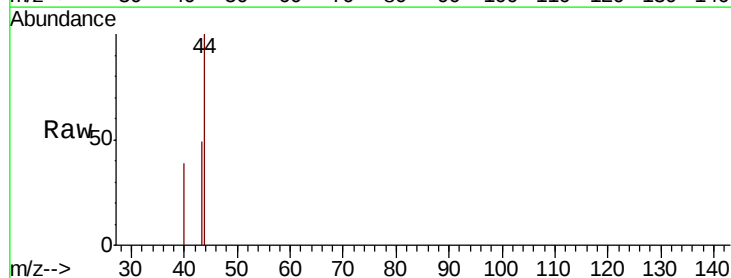
Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



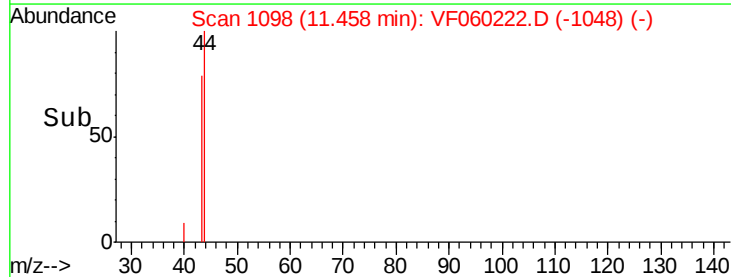
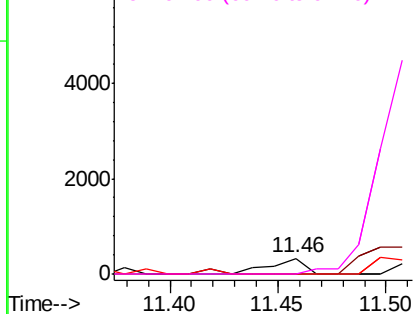
#74

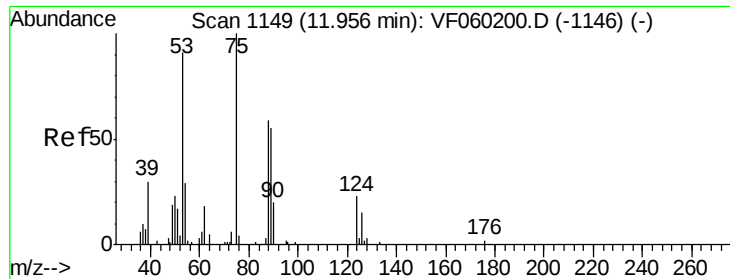
N-ethyl acetate
Concen: 4.996 ug/l
RT: 11.46 min Scan# 1098
Delta R.T. -0.00 min
Lab File: VF060222.D
Acq: 7 Sep 2018 20:41

Tgt Ion: 43 Resp: 428
Ion Ratio Lower Upper
43 100
70 0.0 25.8 38.6#
55 0.0 16.8 25.2#
61 0.0 18.9 28.3#



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





#81

trans-1,4-Dichloro-2-butene

Concen: 2.899 ug/l

RT: 11.97 min Scan# 1150

Delta R.T. 0.01 min

Lab File: VF060222.D

Acq: 7 Sep 2018 20:41

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q2-F6

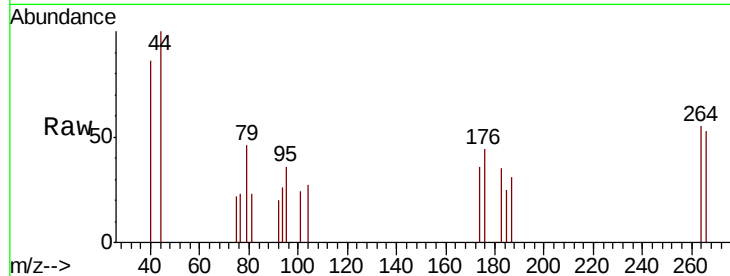
Tgt Ion: 75 Resp: 135

Ion Ratio Lower Upper

75 100

53 0.0 76.5 114.7#

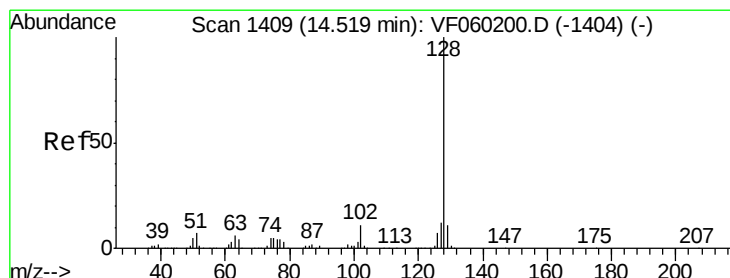
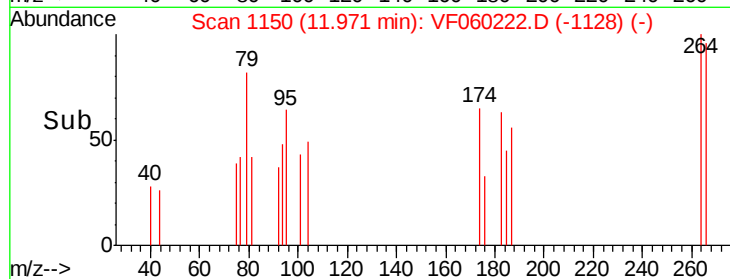
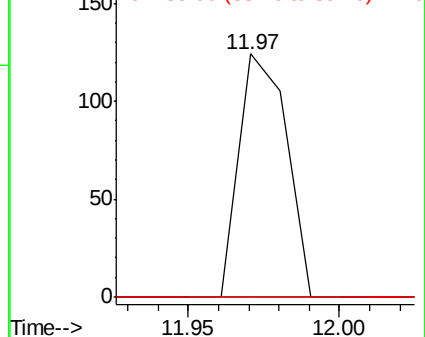
89 0.0 46.5 69.7#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#95

Naphthalene

Concen: 2.708 ug/l

RT: 14.52 min Scan# 1409

Delta R.T. 0.01 min

Lab File: VF060222.D

Acq: 7 Sep 2018 20:41

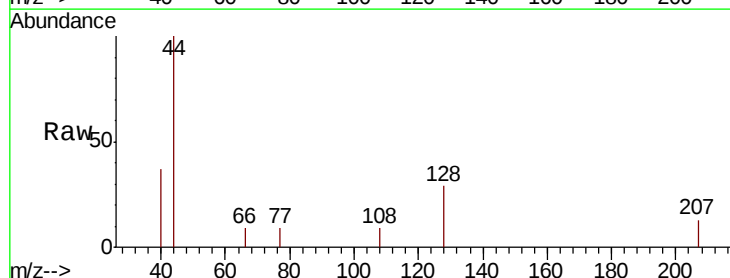
Tgt Ion: 128 Resp: 550

Ion Ratio Lower Upper

128 100

127 0.0 9.9 14.9#

129 0.0 8.9 13.3#



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

