

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF090718\
 Data File : VF060221.D
 Acq On : 7 Sep 2018 20:13
 Operator : VA/AP
 Sample : J4803-04
 Misc : 4.70g/5mL/MSVOA_F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q2-F5

Quant Time: Sep 07 23:27:30 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

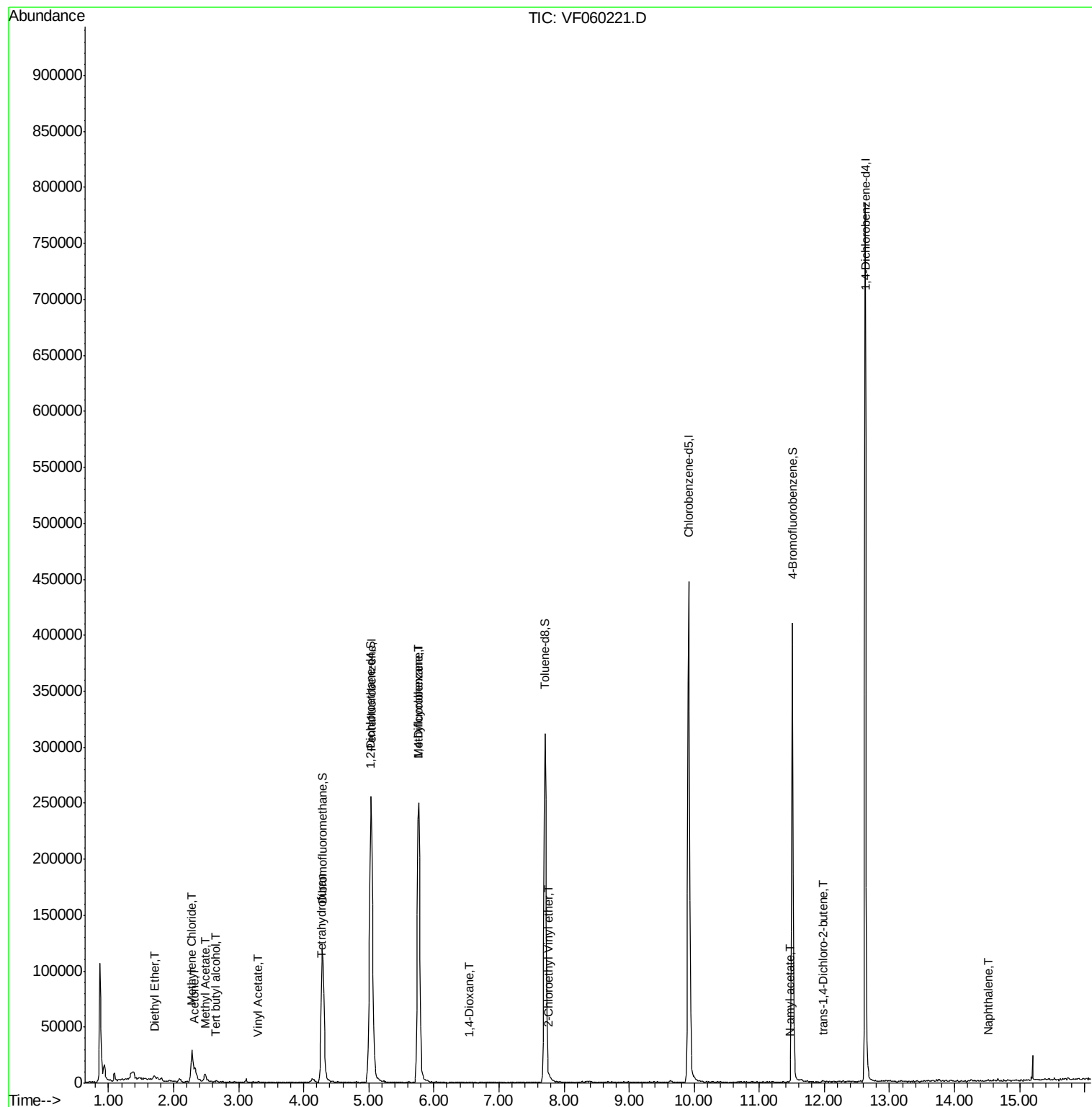
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	168871	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	244058	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	283330	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	181276	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	130214	44.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.28%	
35) Dibromofluoromethane	4.29	113	105572	44.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.30%	
50) Toluene-d8	7.71	98	240120	40.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.48%	
62) 4-Bromofluorobenzene	11.51	95	137597	40.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.74%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	1.69	74	894	1.657	ug/l	91
11) Tert butyl alcohol	2.66	59	561	15.602	ug/l #	75
13) Acrolein	2.12	56	72	Below Cal	#	23
16) Acetone	2.34	43	11699	25.240	ug/l	98
18) Methyl Acetate	2.48	43	3370	3.381	ug/l #	64
20) Methylene Chloride	2.28	84	17638	4.060	ug/l	94
23) Vinyl Acetate	3.30	43	62	22.827	ug/l #	82
29) Tetrahydrofuran	4.26	42	494	1.802	ug/l #	64
37) Ethyl Acetate	4.28	43	70	Below Cal	#	82
39) Methylcyclohexane	5.76	83	3875	1.610	ug/l #	31
49) 1,4-Dioxane	6.53	88	60	3.077	ug/l #	19
58) 2-Chloroethyl Vinyl ether	7.77	63	487	2.717	ug/l	100
74) N-amyl acetate	11.46	43	420	4.947	ug/l #	49
81) trans-1,4-Dichloro-2-buten	11.97	75	321	3.197	ug/l #	36
95) Naphthalene	14.52	128	568	2.689	ug/l #	30

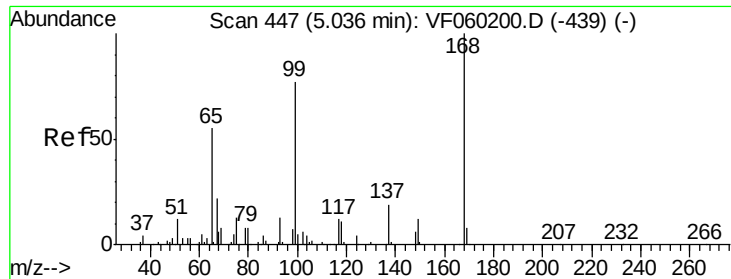
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 448

Delta R.T. 0.01 min

Lab File: VF060221.D

Acq: 7 Sep 2018 20:13

Instrument :

MSVOA_F

ClientSampleId :

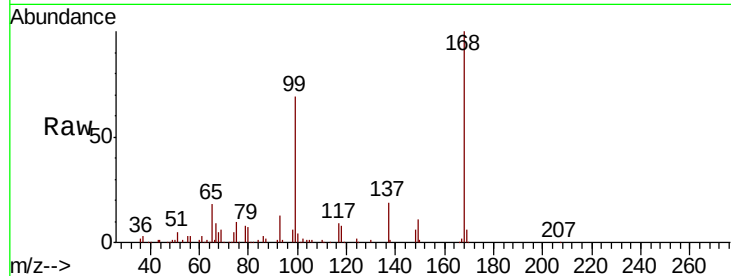
EP1-Q2-F5

Tgt Ion:168 Resp: 168871

Ion Ratio Lower Upper

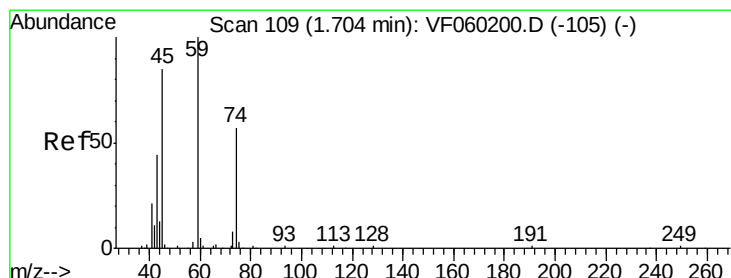
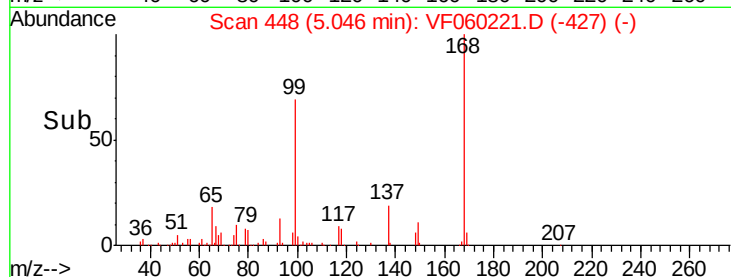
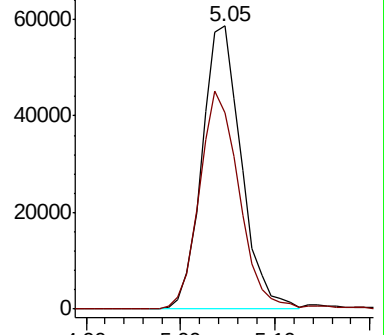
168 100

99 69.3 61.8 92.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#8

Diethyl Ether

Concen: 1.657 ug/l

RT: 1.69 min Scan# 108

Delta R.T. -0.01 min

Lab File: VF060221.D

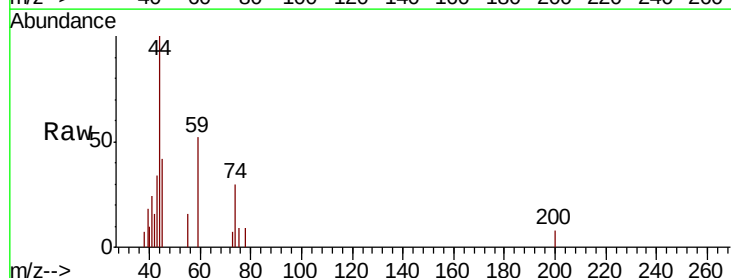
Acq: 7 Sep 2018 20:13

Tgt Ion: 74 Resp: 894

Ion Ratio Lower Upper

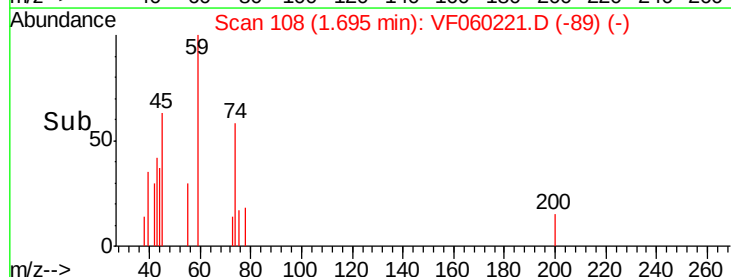
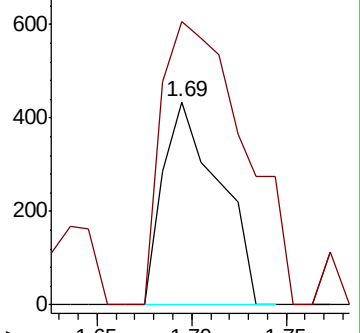
74 100

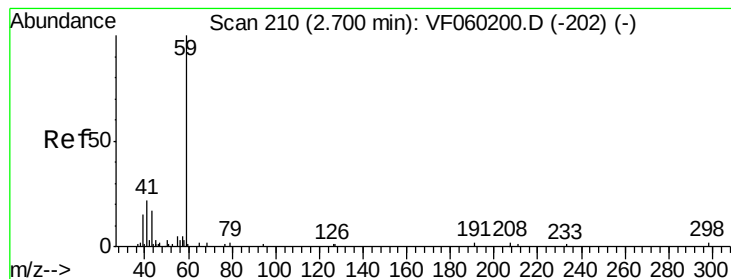
45 139.6 75.3 225.7



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



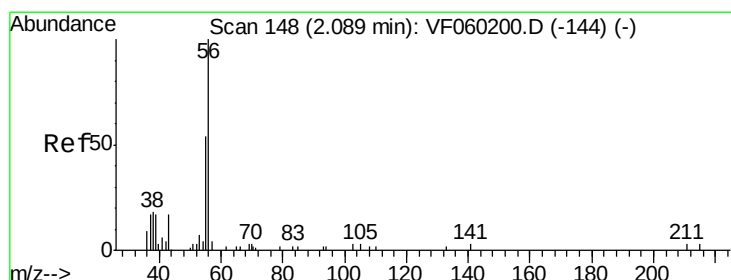
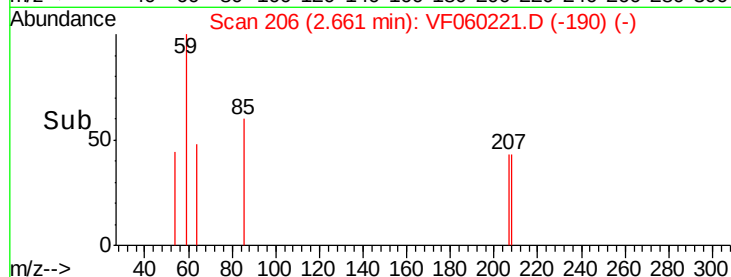
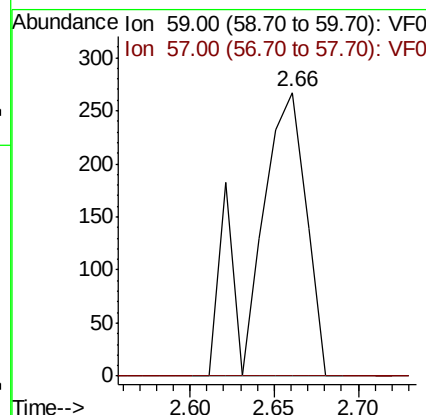
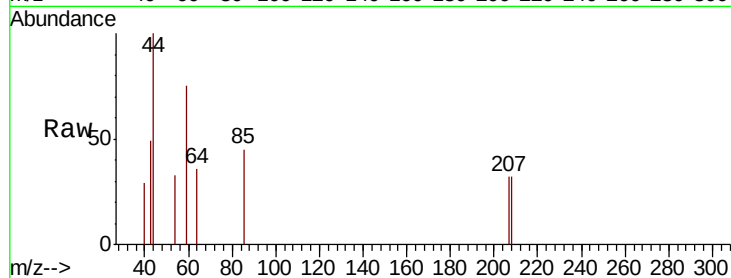


#11

Tert butyl alcohol
 Concen: 15.602 ug/l
 RT: 2.66 min Scan# 206
 Delta R.T. -0.04 min
 Lab File: VF060221.D
 Acq: 7 Sep 2018 20:13

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q2-F5

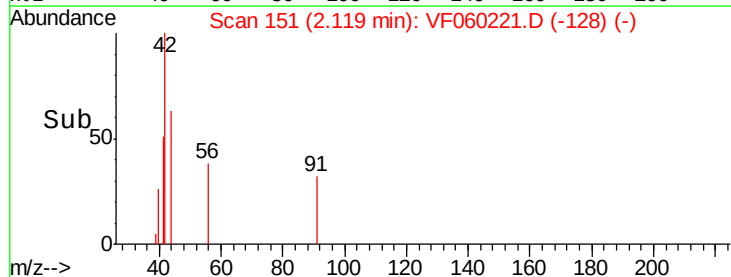
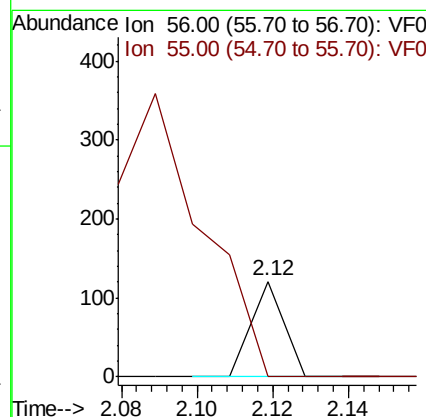
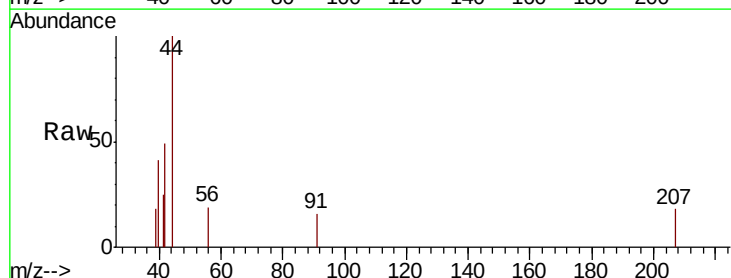
Tgt Ion: 59 Resp: 561
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.2 10.8#

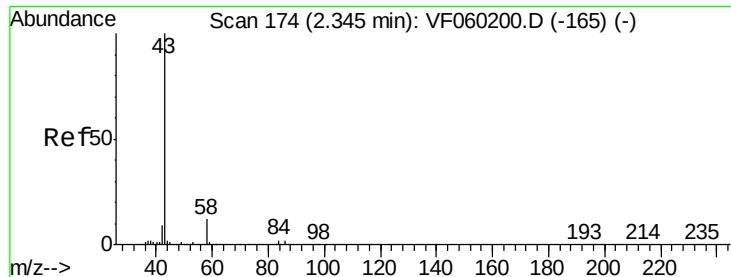


#13

Acrolein
 Concen: Below Cal
 RT: 2.12 min Scan# 151
 Delta R.T. 0.03 min
 Lab File: VF060221.D
 Acq: 7 Sep 2018 20:13

Tgt Ion: 56 Resp: 72
 Ion Ratio Lower Upper
 56 100
 55 0.0 45.1 67.7#





#16

Acetone

Concen: 25.240 ug/l

RT: 2.34 min Scan# 173

Delta R.T. -0.01 min

Lab File: VF060221.D

Acq: 7 Sep 2018 20:13

Instrument :

MSVOA_F

ClientSampleId :

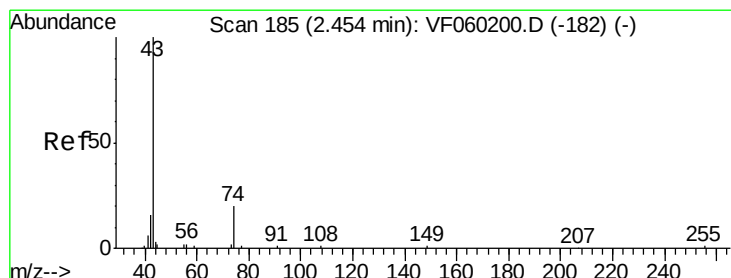
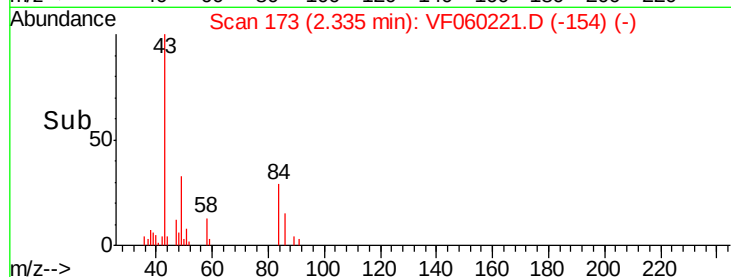
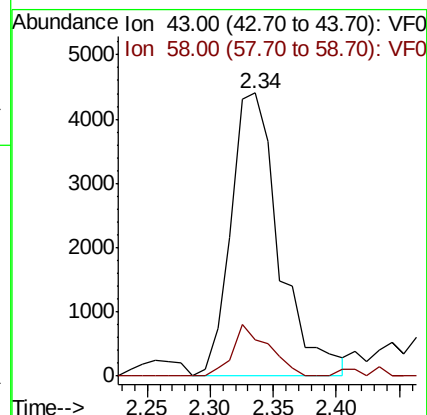
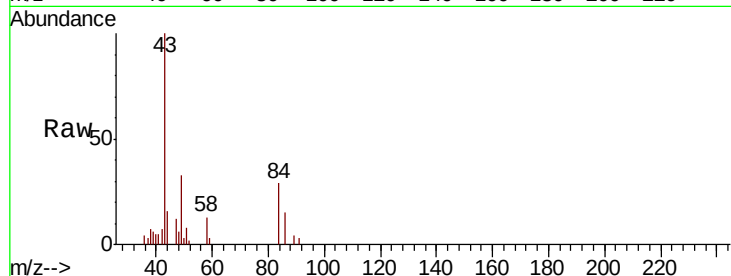
EP1-Q2-F5

Tgt Ion: 43 Resp: 11699

Ion Ratio Lower Upper

43 100

58 12.7 9.7 14.5



#18

Methyl Acetate

Concen: 3.381 ug/l

RT: 2.48 min Scan# 188

Delta R.T. 0.03 min

Lab File: VF060221.D

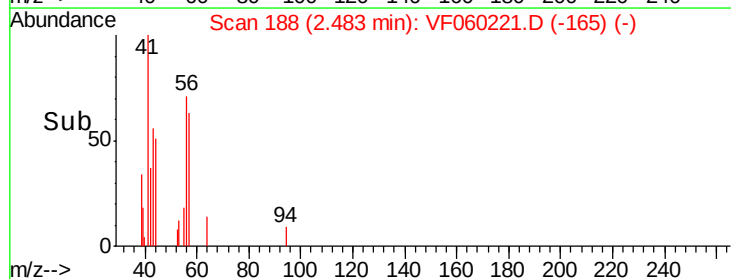
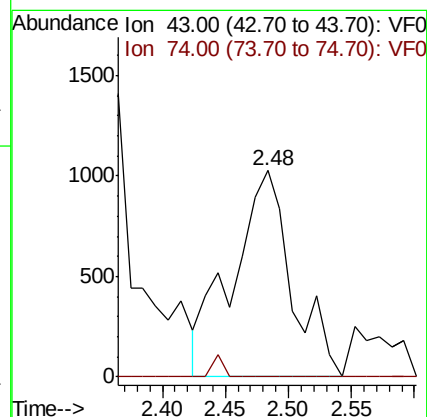
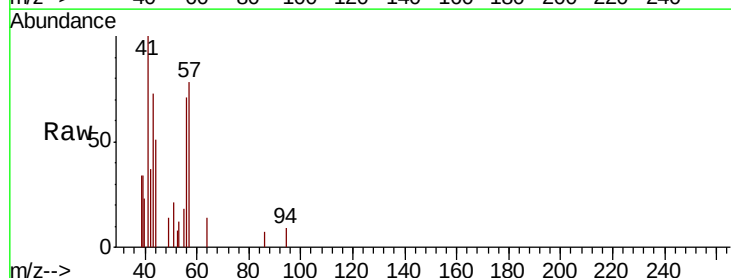
Acq: 7 Sep 2018 20:13

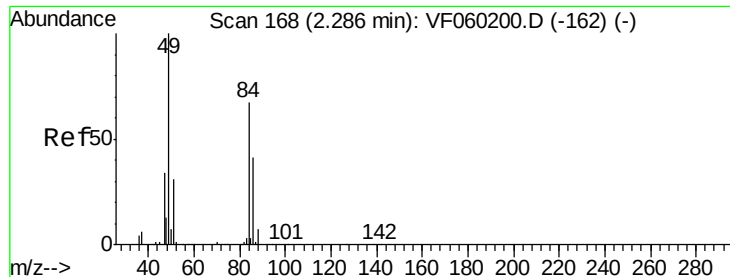
Tgt Ion: 43 Resp: 3370

Ion Ratio Lower Upper

43 100

74 0.0 11.9 17.9#

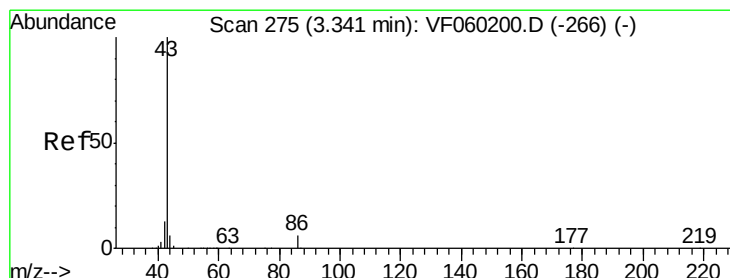
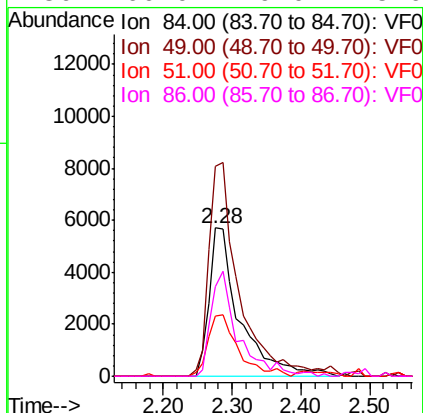
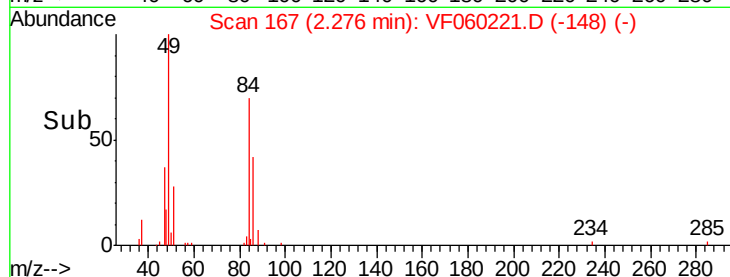
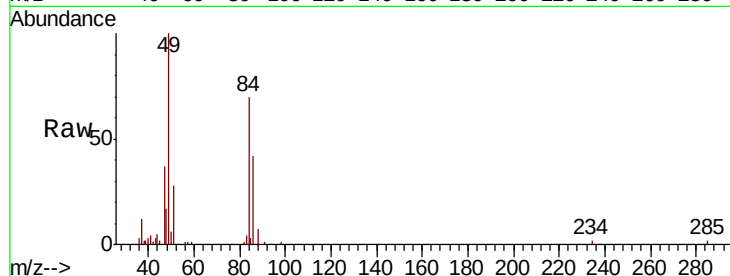




#20
Methylene Chloride
Concen: 4.060 ug/l
RT: 2.28 min Scan# 167
Delta R.T. -0.01 min
Lab File: VF060221.D
Acq: 7 Sep 2018 20:13

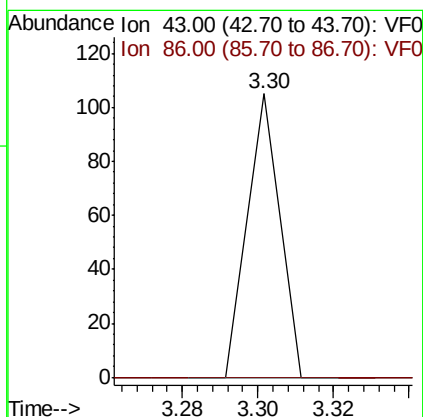
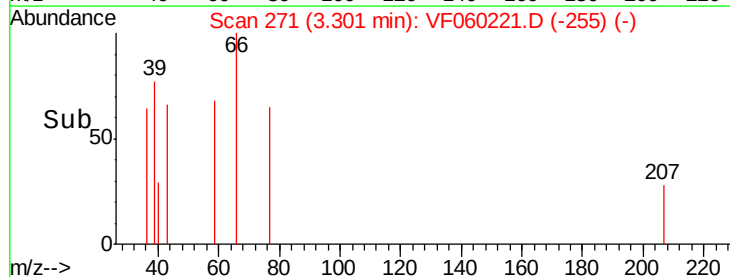
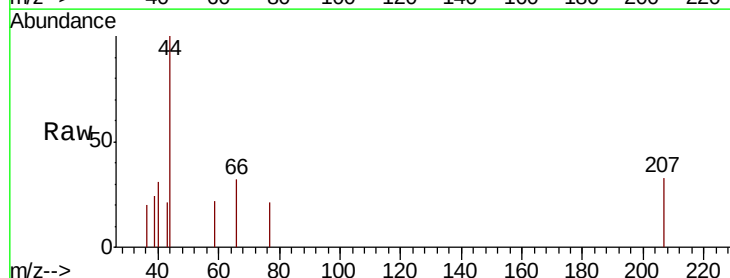
Instrument :
MSVOA_F
ClientSampleId :
EP1-Q2-F5

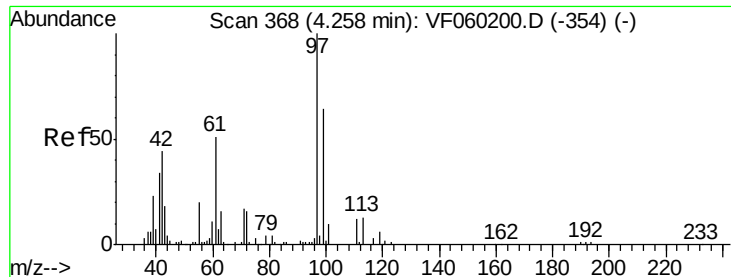
Tgt Ion: 84 Resp: 17638
Ion Ratio Lower Upper
84 100
49 141.9 120.1 180.1
51 40.3 37.0 55.6
86 60.0 49.0 73.6



#23
Vinyl Acetate
Concen: 22.827 ug/l
RT: 3.30 min Scan# 271
Delta R.T. -0.04 min
Lab File: VF060221.D
Acq: 7 Sep 2018 20:13

Tgt Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
86 0.0 4.8 7.2#

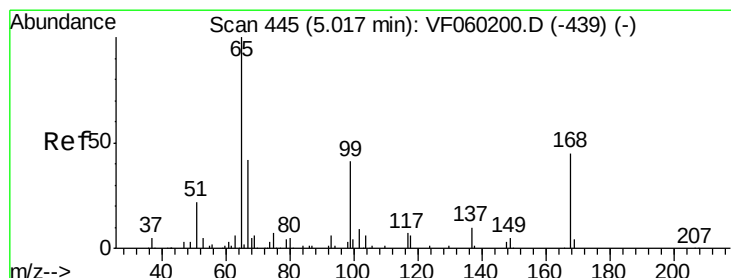
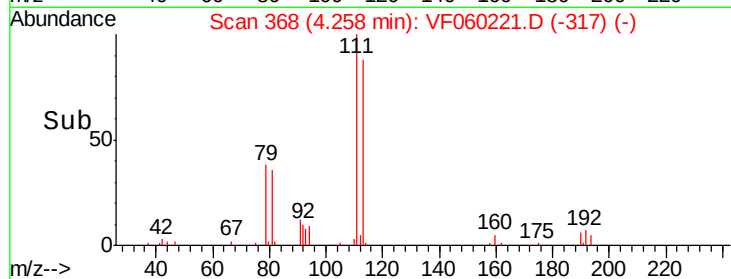
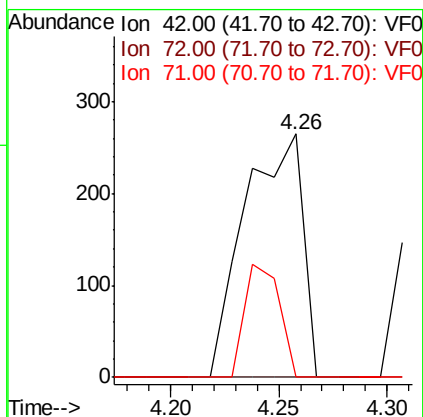
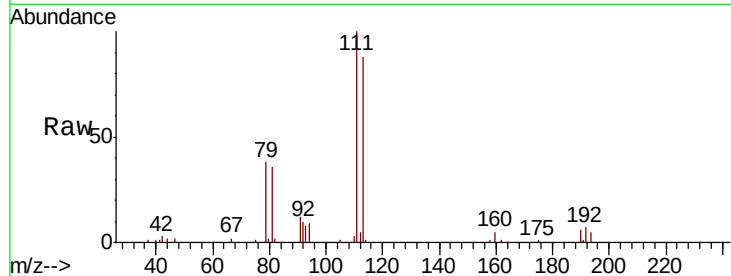




#29
Tetrahydrofuran
Concen: 1.802 ug/l
RT: 4.26 min Scan# 368
Delta R.T. 0.00 min
Lab File: VF060221.D
Acq: 7 Sep 2018 20:13

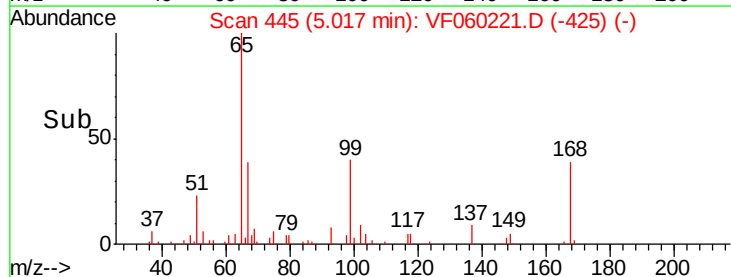
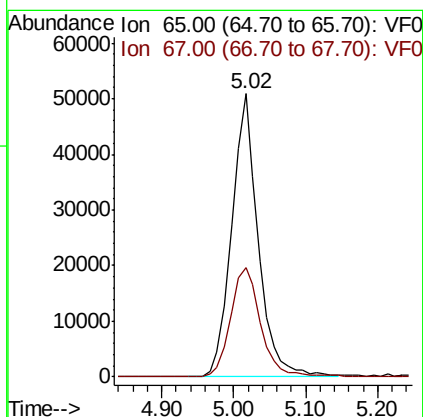
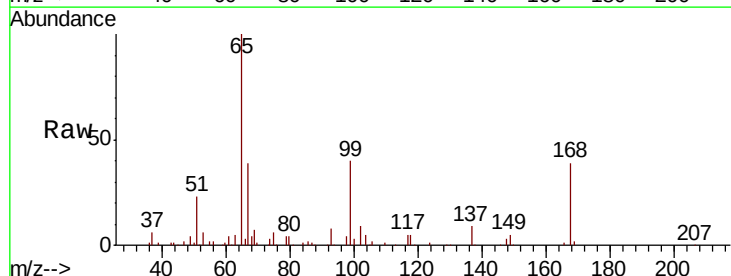
Instrument :
MSVOA_F
ClientSampleId :
EP1-Q2-F5

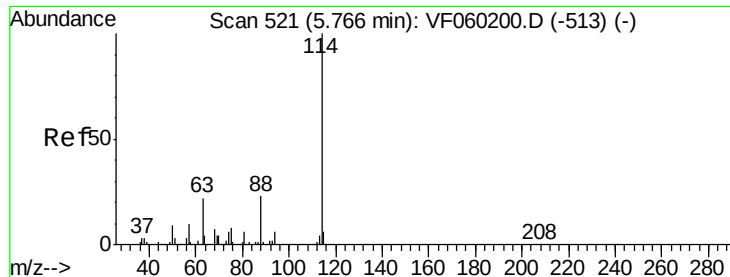
Tgt Ion: 42 Resp: 494
Ion Ratio Lower Upper
42 100
72 0.0 27.4 41.0#
71 27.5 28.5 42.7#



#33
1,2-Dichloroethane-d4
Concen: 44.138 ug/l
RT: 5.02 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF060221.D
Acq: 7 Sep 2018 20:13

Tgt Ion: 65 Resp: 130214
Ion Ratio Lower Upper
65 100
67 38.6 0.0 87.2

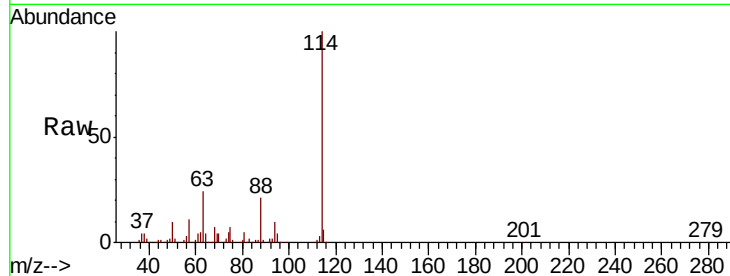




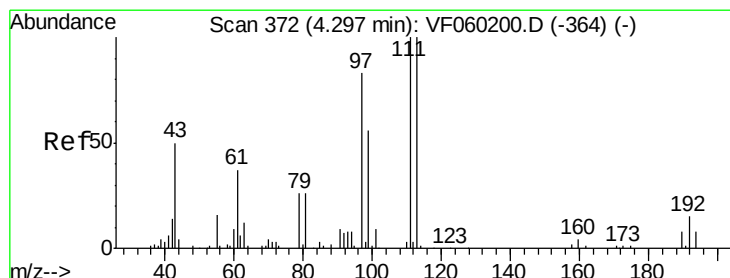
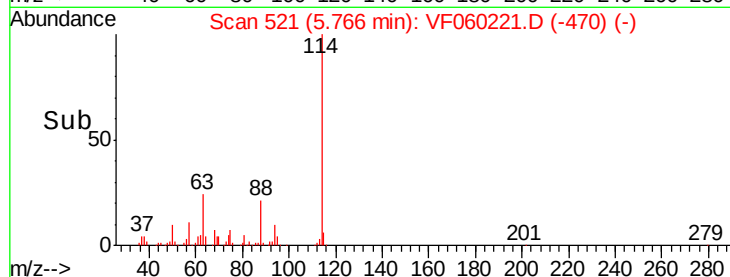
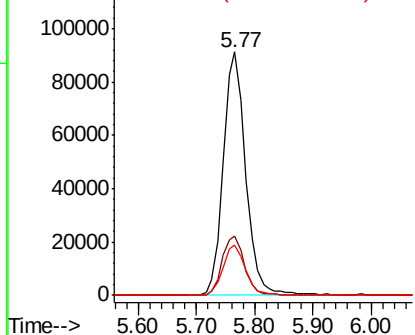
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 521
 Delta R.T. 0.00 min
 Lab File: VF060221.D
 Acq: 7 Sep 2018 20:13

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q2-F5

Tgt Ion:114 Resp: 244058
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 45.6
 88 20.6 0.0 46.4

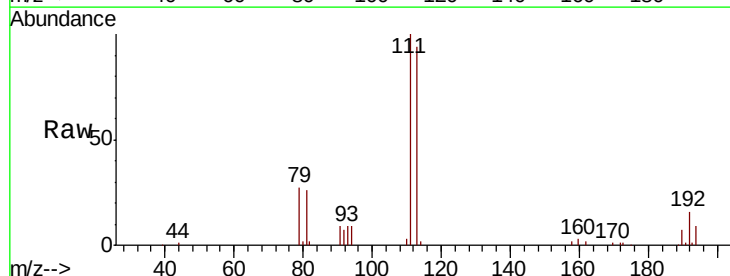


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

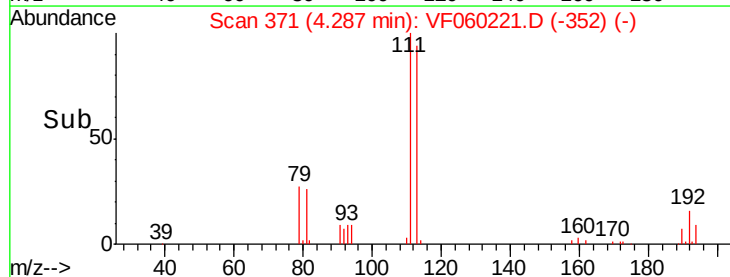
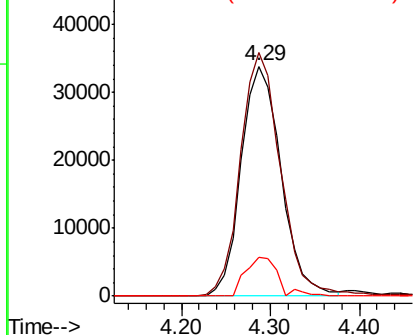


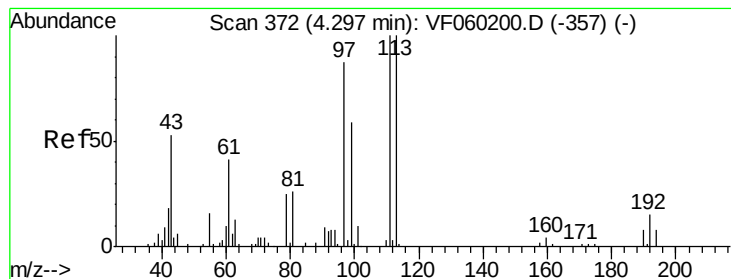
#35
 Dibromofluoromethane
 Concen: 44.152 ug/l
 RT: 4.29 min Scan# 371
 Delta R.T. -0.01 min
 Lab File: VF060221.D
 Acq: 7 Sep 2018 20:13

Tgt Ion:113 Resp: 105572
 Ion Ratio Lower Upper
 113 100
 111 106.1 80.2 120.2
 192 17.0 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: 4.28 min Scan# 370

Delta R.T. -0.02 min

Lab File: VF060221.D

Acq: 7 Sep 2018 20:13

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q2-F5

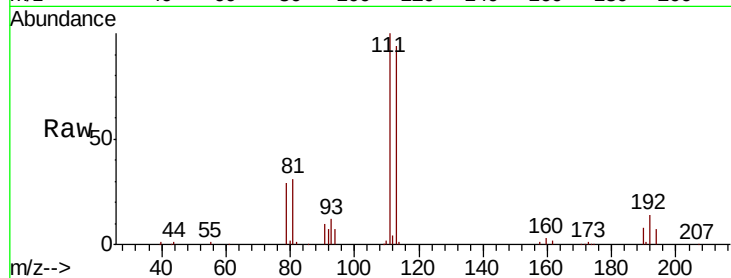
Tgt Ion: 43 Resp: 70

Ion Ratio Lower Upper

43 100

61 92.4 61.6 92.4

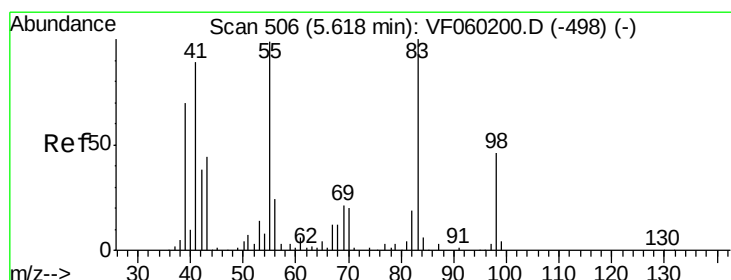
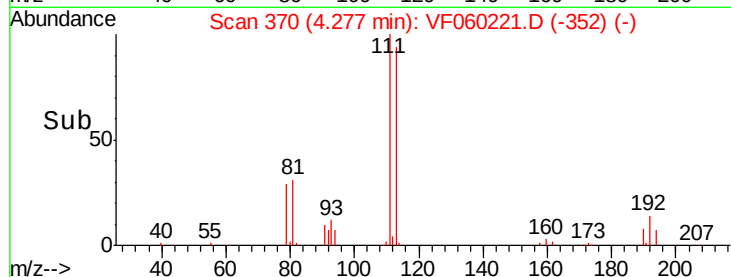
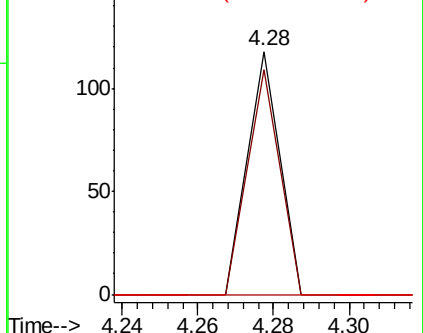
70 0.0 6.9 10.3#



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: 1.610 ug/l

RT: 5.76 min Scan# 520

Delta R.T. 0.14 min

Lab File: VF060221.D

Acq: 7 Sep 2018 20:13

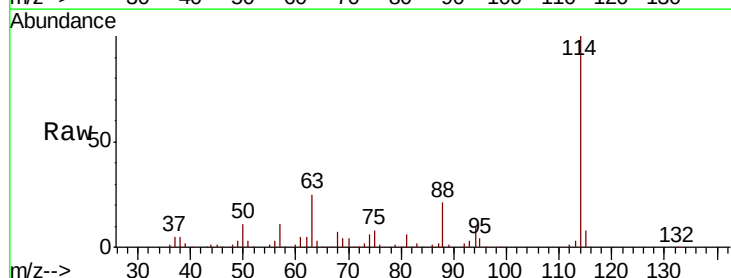
Tgt Ion: 83 Resp: 3875

Ion Ratio Lower Upper

83 100

55 30.3 79.0 118.4#

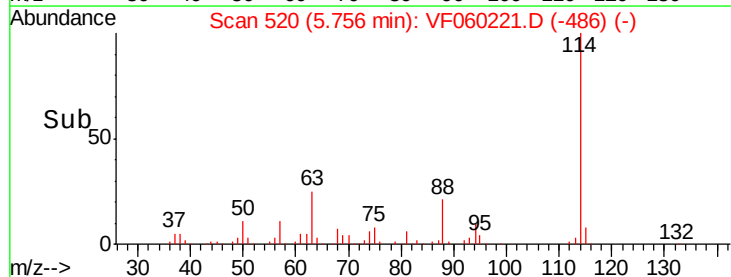
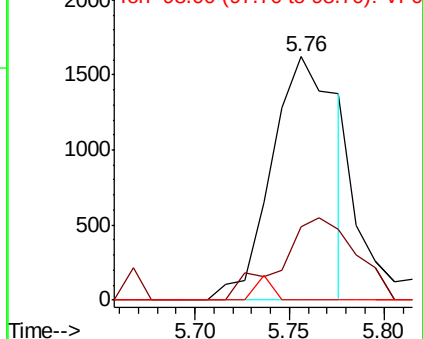
98 0.0 36.7 55.1#

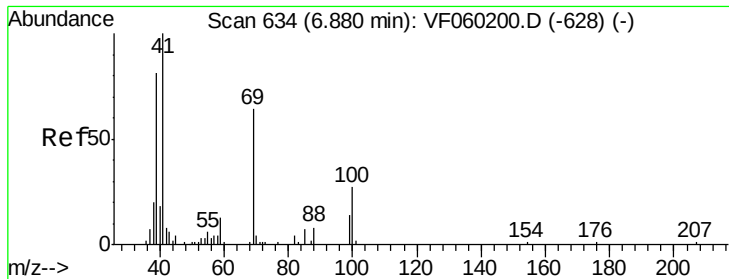


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

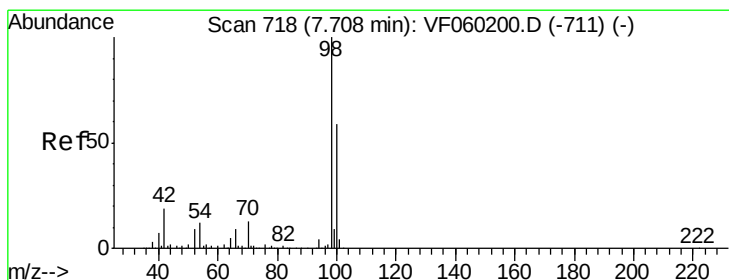
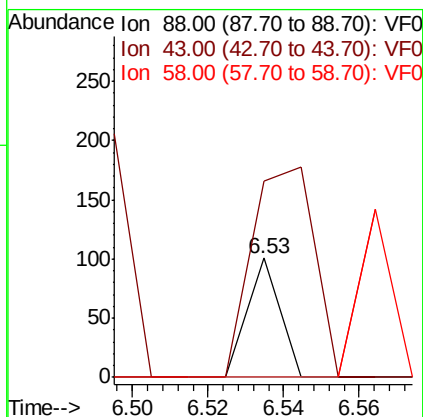
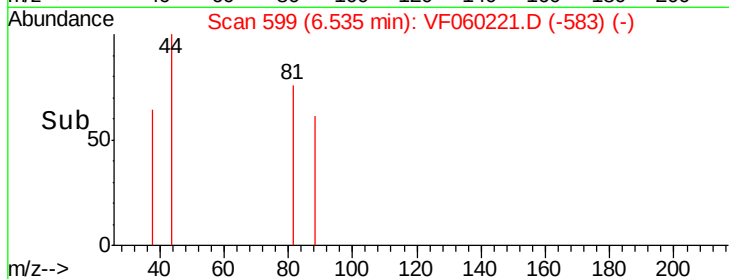
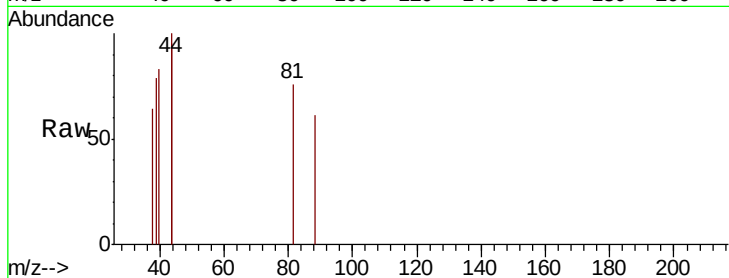




#49
1,4-Dioxane
Concen: 3.077 ug/l
RT: 6.53 min Scan# 599
Delta R.T. -0.34 min
Lab File: VF060221.D
Acq: 7 Sep 2018 20:13

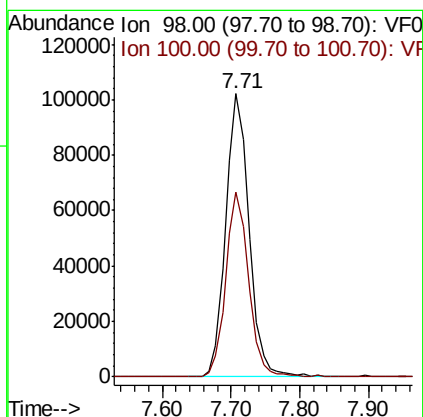
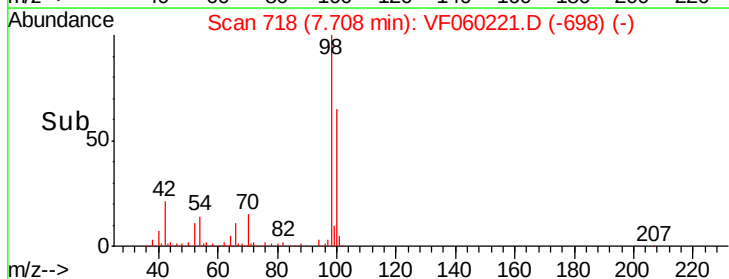
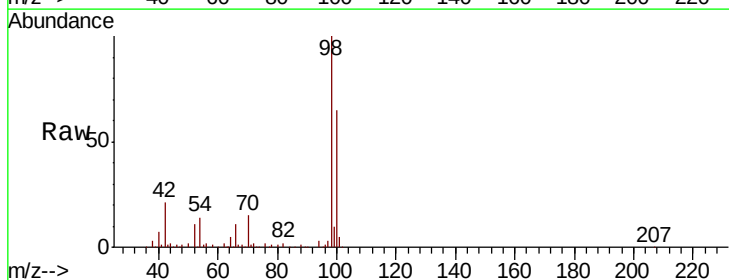
Instrument :
MSVOA_F
ClientSampleId :
EP1-Q2-F5

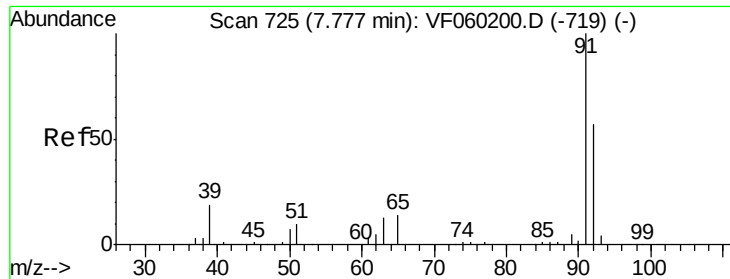
Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 164.4 68.1 102.1#
58 0.0 38.1 57.1#



#50
Toluene-d8
Concen: 40.243 ug/l
RT: 7.71 min Scan# 718
Delta R.T. 0.00 min
Lab File: VF060221.D
Acq: 7 Sep 2018 20:13

Tgt Ion: 98 Resp: 240120
Ion Ratio Lower Upper
98 100
100 65.4 47.4 71.0

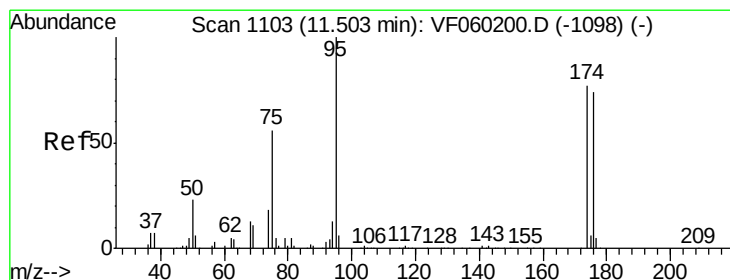
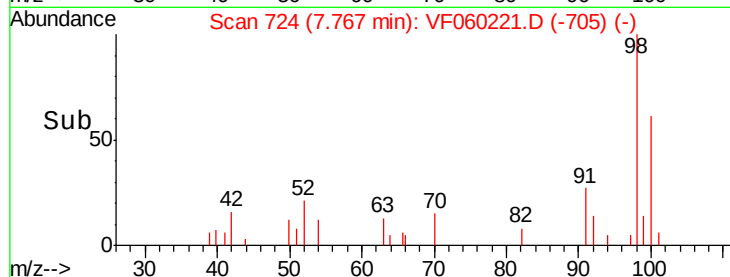
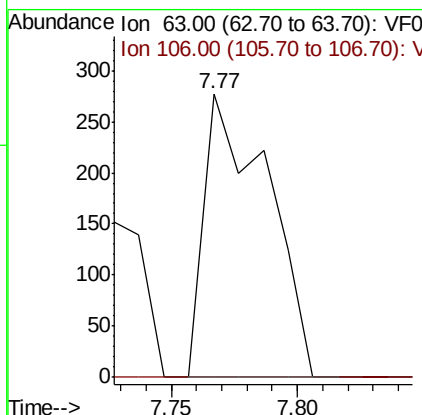
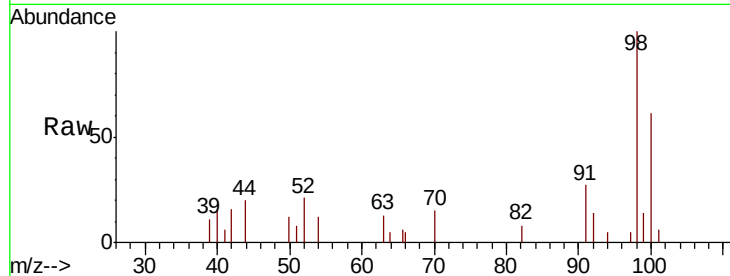




#58
 2-Chloroethyl Vinyl ether
 Concen: 2.717 ug/l
 RT: 7.77 min Scan# 724
 Delta R.T. -0.01 min
 Lab File: VF060221.D
 Acq: 7 Sep 2018 20:13

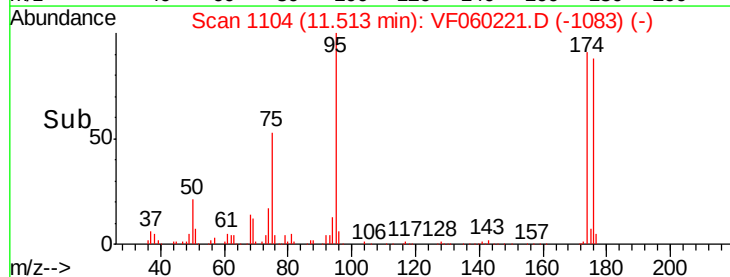
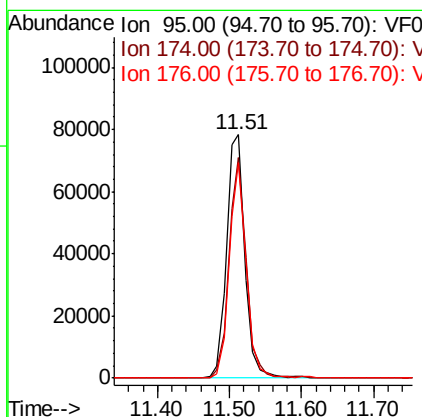
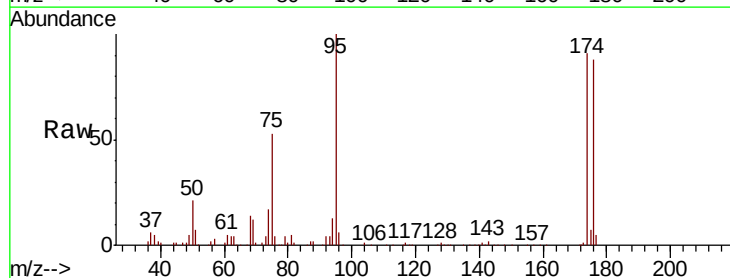
Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q2-F5

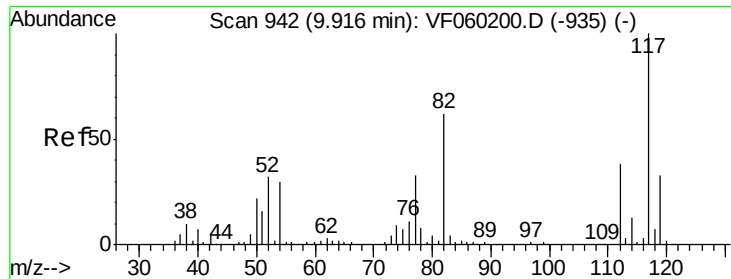
Tgt Ion: 63 Resp: 487
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#62
 4-Bromofluorobenzene
 Concen: 40.872 ug/l
 RT: 11.51 min Scan# 1104
 Delta R.T. 0.01 min
 Lab File: VF060221.D
 Acq: 7 Sep 2018 20:13

Tgt Ion: 95 Resp: 137597
 Ion Ratio Lower Upper
 95 100
 174 90.7 0.0 153.2
 176 88.3 0.0 147.2

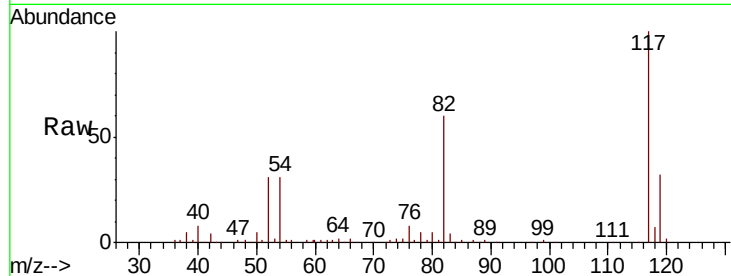




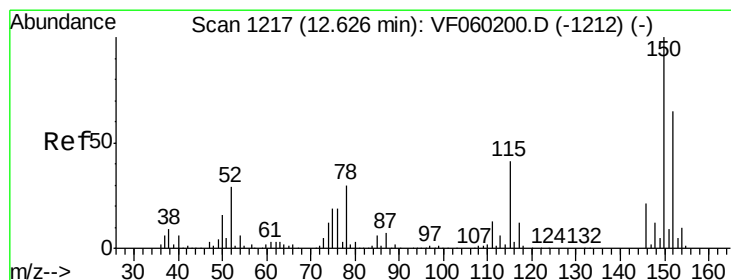
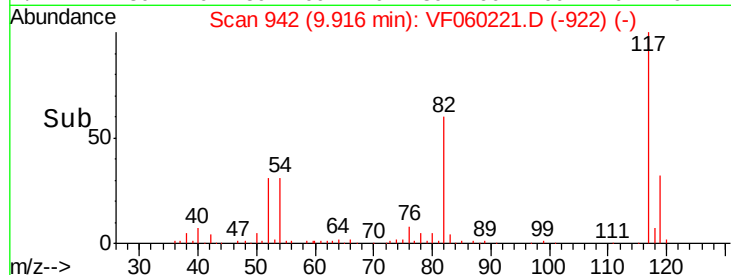
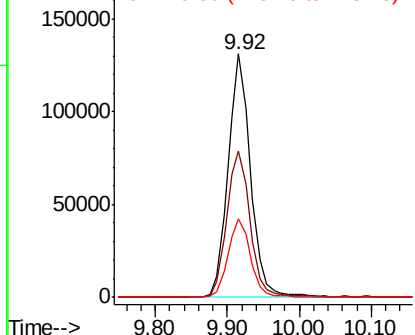
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 942
Delta R.T. 0.00 min
Lab File: VF060221.D
Acq: 7 Sep 2018 20:13

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q2-F5

Tgt Ion:117 Resp: 283330
Ion Ratio Lower Upper
117 100
82 60.3 49.3 73.9
119 32.3 26.5 39.7

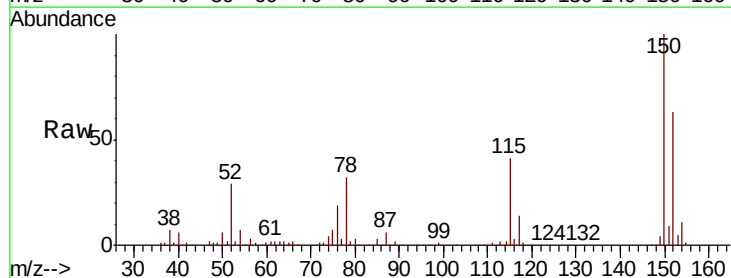


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

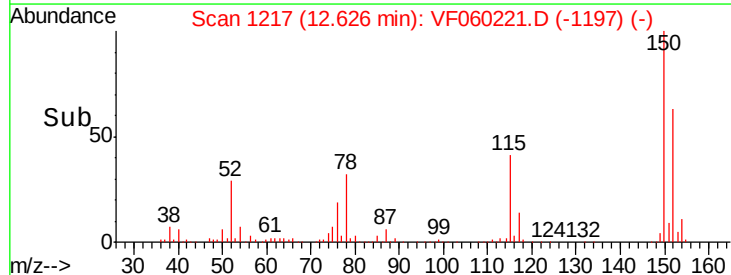
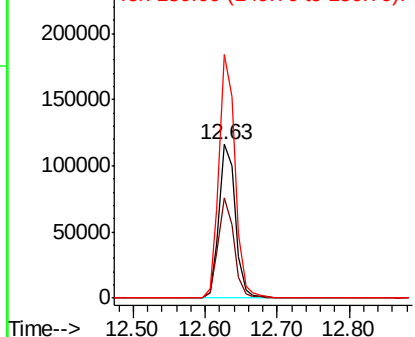


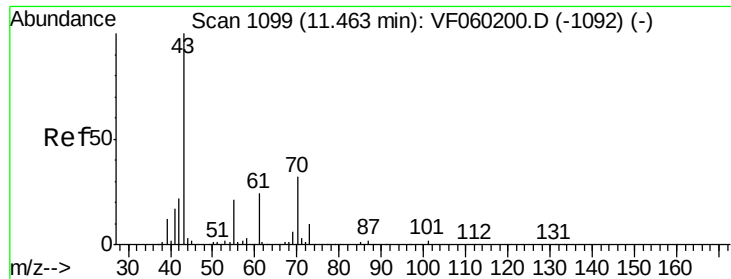
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1217
Delta R.T. 0.00 min
Lab File: VF060221.D
Acq: 7 Sep 2018 20:13

Tgt Ion:152 Resp: 181276
Ion Ratio Lower Upper
152 100
115 65.1 31.5 94.5
150 158.4 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-amyI acetate

Concen: 4.947 ug/l

RT: 11.46 min Scan# 1099

Delta R.T. 0.00 min

Lab File: VF060221.D

Acq: 7 Sep 2018 20:13

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q2-F5

Tgt Ion: 43 Resp: 420

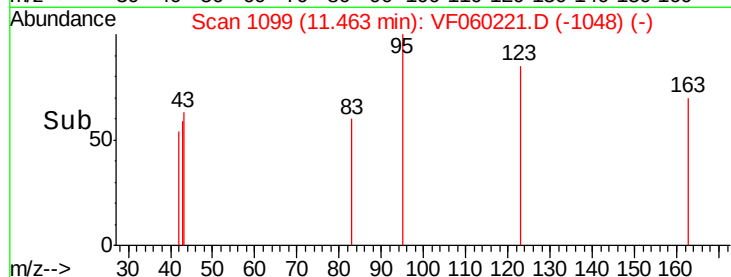
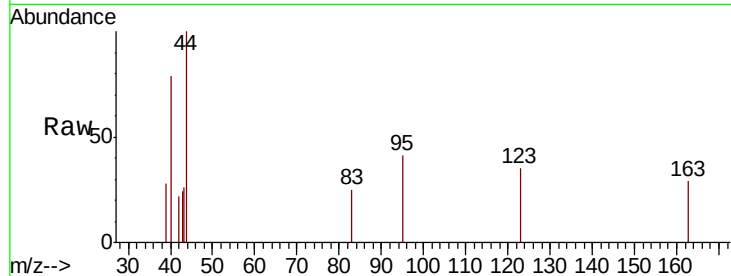
Ion Ratio Lower Upper

43 100

70 0.0 25.8 38.6#

55 0.0 16.8 25.2#

61 0.0 18.9 28.3#

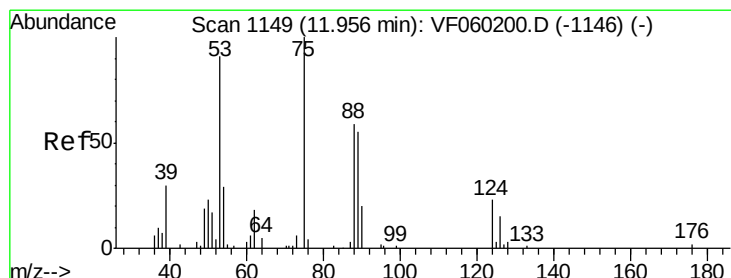
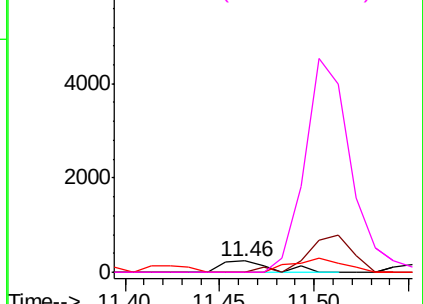


Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 3.197 ug/l

RT: 11.97 min Scan# 1150

Delta R.T. 0.01 min

Lab File: VF060221.D

Acq: 7 Sep 2018 20:13

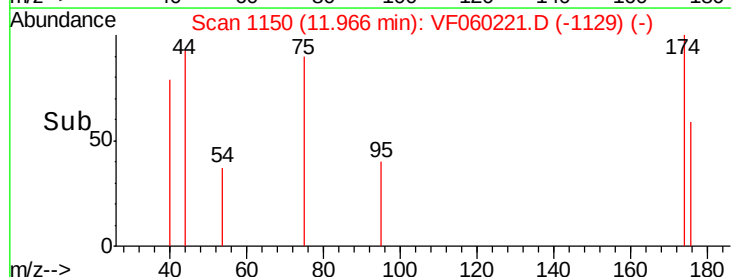
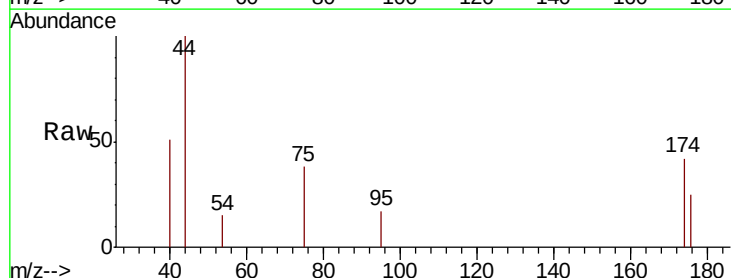
Tgt Ion: 75 Resp: 321

Ion Ratio Lower Upper

75 100

53 40.9 76.5 114.7#

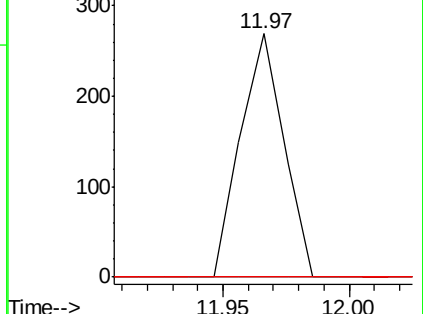
89 0.0 46.5 69.7#

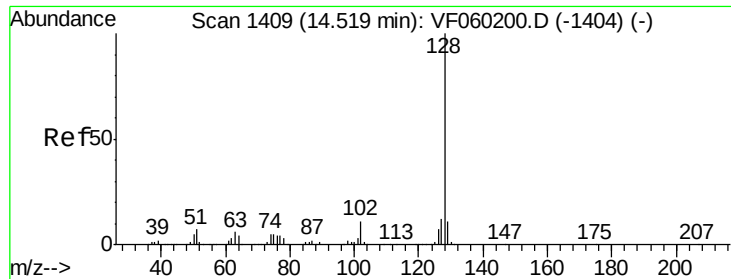


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0





#95
 Naphthalene
 Concen: 2.689 ug/l
 RT: 14.52 min Scan# 1409
 Delta R.T. 0.00 min
 Lab File: VF060221.D
 Acq: 7 Sep 2018 20:13

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q2-F5

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	9.9	14.9#
129	54.1	8.9	13.3#

