

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF111418\
 Data File : VF060732.D
 Acq On : 14 Nov 2018 18:56
 Operator : VA/AP
 Sample : J5925-09RE
 Misc : 7.75g/5mL/MSVOA-F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-5S1

Quant Time: Nov 15 06:38:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

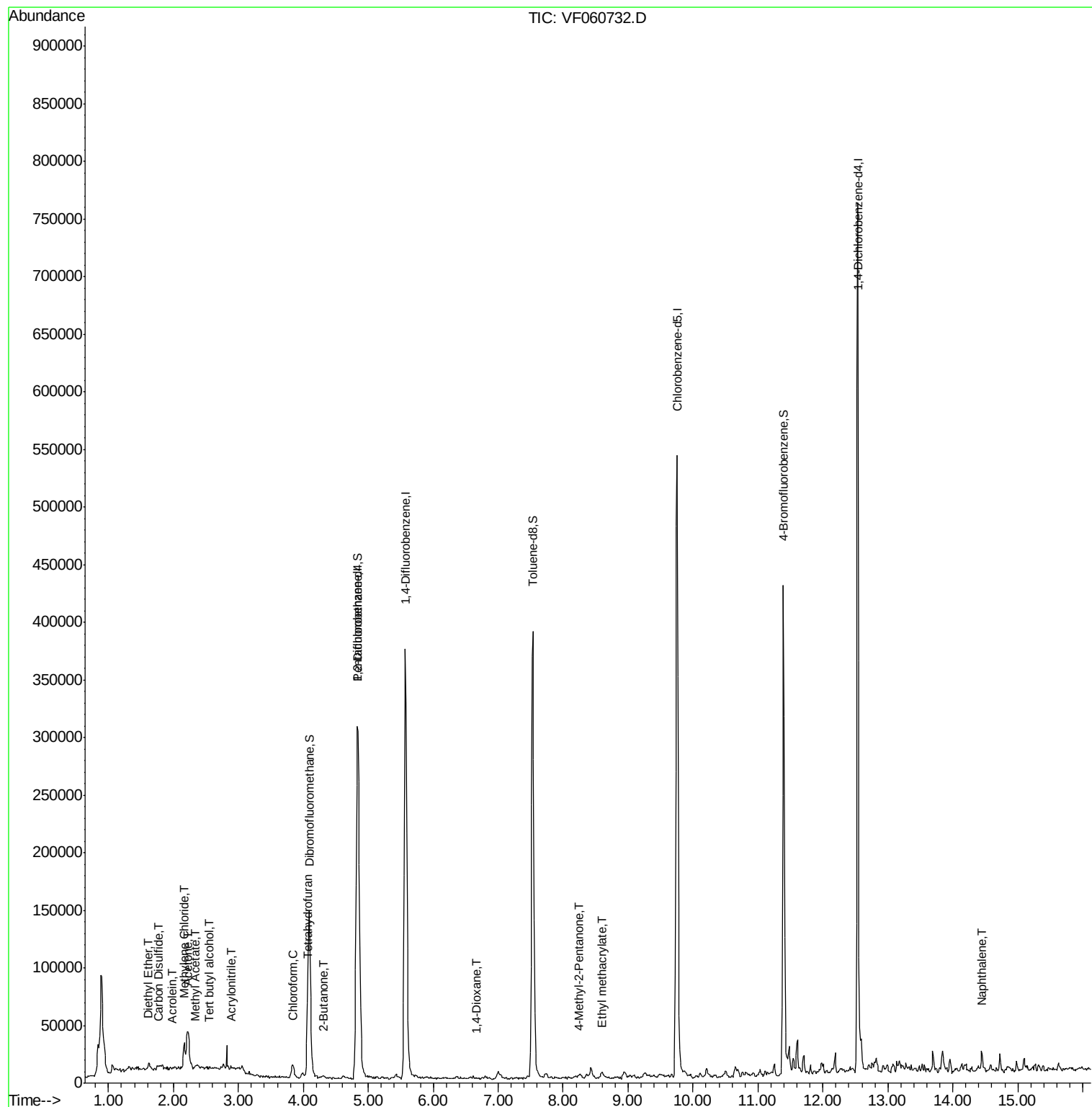
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	246010	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.57	114	429708	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.76	117	378471	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.54	152	193903	50.00	ug/l	-0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	120179	42.83	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	85.66%	
35) Dibromofluoromethane	4.08	113	142112	44.00	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	88.00%	
50) Toluene-d8	7.54	98	341400	40.49	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	80.98%	
62) 4-Bromofluorobenzene	11.39	95	164630	42.46	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	84.92%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	1.62	74	2175	3.143	ug/l	88
11) Tert butyl alcohol	2.56	59	941	7.369	ug/l #	1
13) Acrolein	1.99	56	1171	10.029	ug/l #	25
15) Acrylonitrile	2.90	53	482	1.771	ug/l #	50
16) Acetone	2.22	43	31020	51.720	ug/l	98
17) Carbon Disulfide	1.78	76	8865	1.461	ug/l	99
18) Methyl Acetate	2.35	43	1185	1.203	ug/l #	89
20) Methylene Chloride	2.17	84	9064	1.788	ug/l #	90
25) 2-Butanone	4.32	43	4874	4.941	ug/l #	76
29) Tetrahydrofuran	4.05	42	1239	3.045	ug/l #	56
30) Chloroform	3.84	83	13693	2.077	ug/l	91
41) Methacrylonitrile	4.73	41	743	Below Cal	#	64
49) 1,4-Dioxane	6.68	88	63	4.143	ug/l #	1
51) 4-Methyl-2-Pentanone	8.24	43	3826	2.153	ug/l #	84
56) Ethyl methacrylate	8.60	69	3167	1.311	ug/l #	77
95) Naphthalene	14.44	128	8058	1.009	ug/l #	95

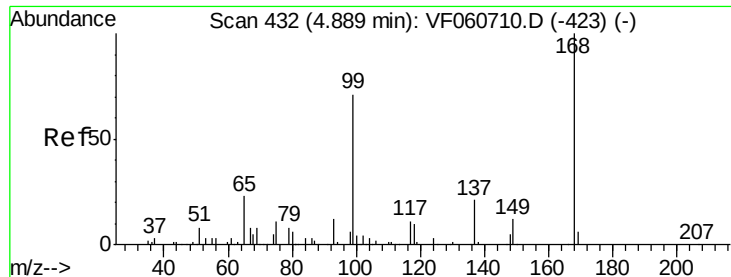
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Nov 14 03:11:14 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.05 min

Lab File: VF060732.D

Acq: 14 Nov 2018 18:56

Instrument :

MSVOA_F

ClientSampled :

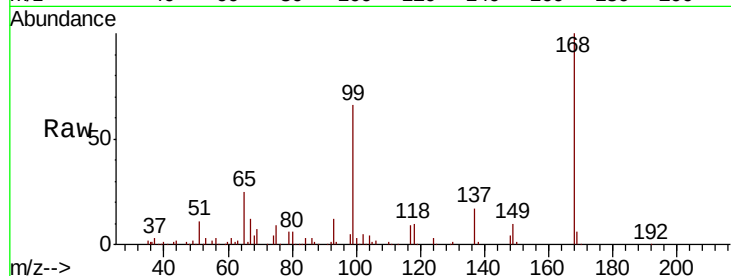
TP-5S1

Tgt Ion:168 Resp: 246010

Ion Ratio Lower Upper

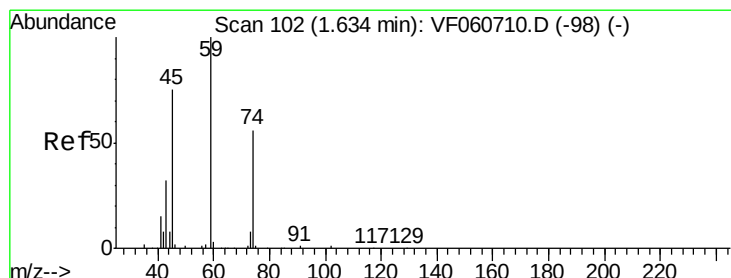
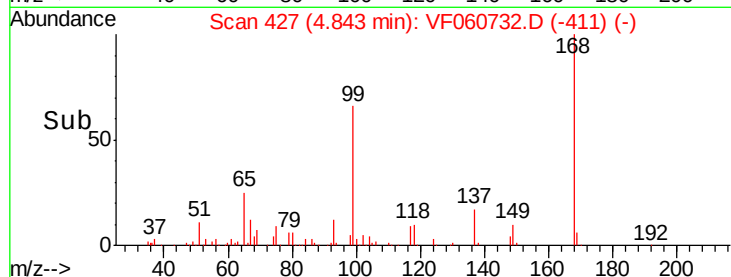
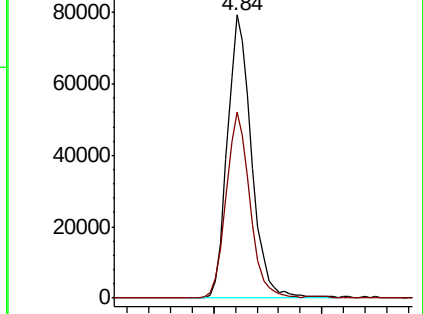
168 100

99 65.9 57.2 85.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#8

Diethyl Ether

Concen: 3.143 ug/l

RT: 1.62 min Scan# 100

Delta R.T. -0.02 min

Lab File: VF060732.D

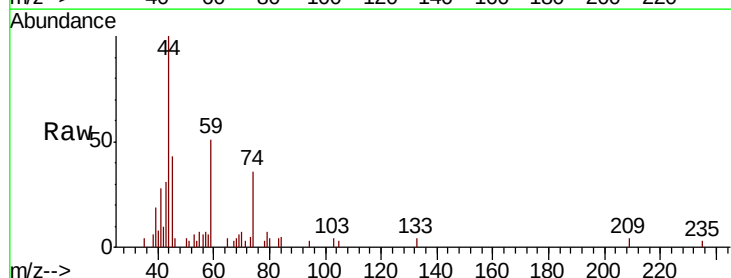
Acq: 14 Nov 2018 18:56

Tgt Ion: 74 Resp: 2175

Ion Ratio Lower Upper

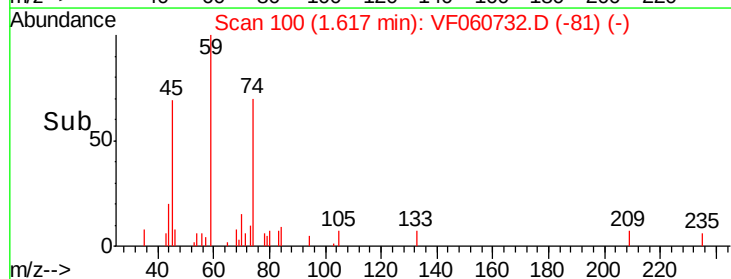
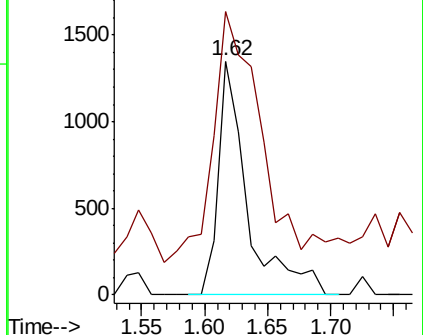
74 100

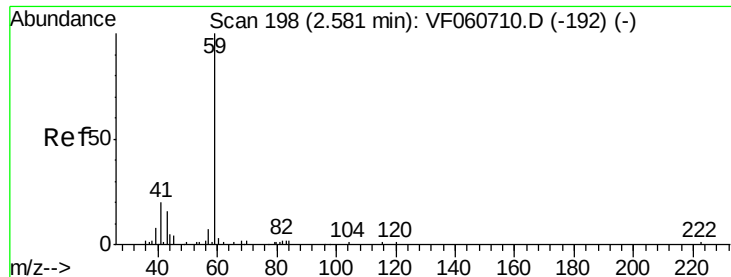
45 121.2 67.7 203.1



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



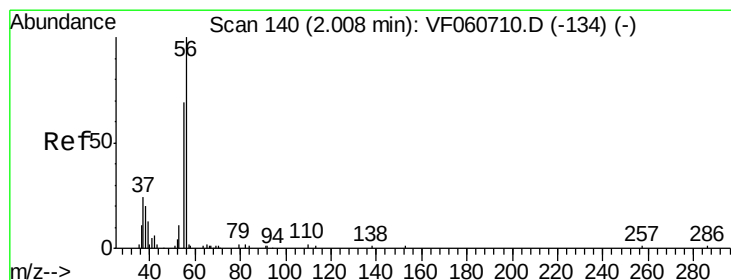
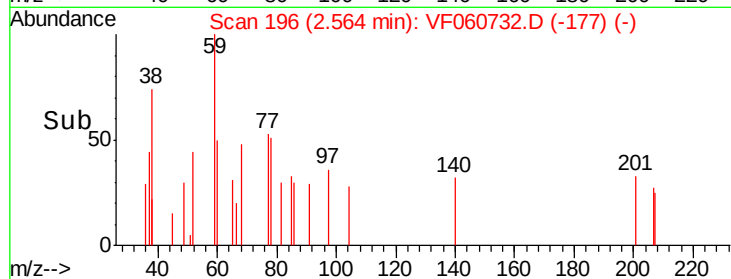
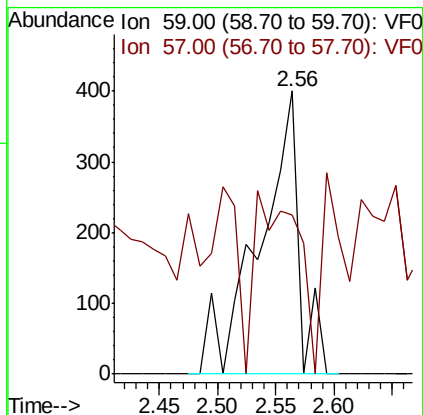
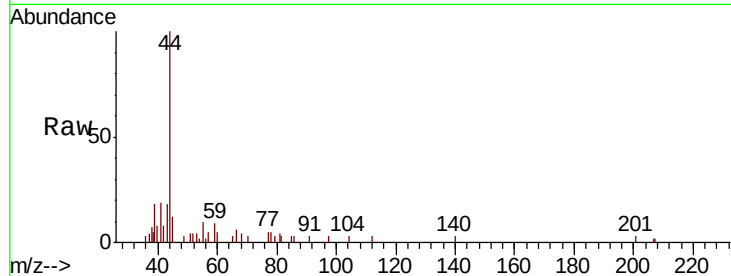


#11

Tert butyl alcohol
Concen: 7.369 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.02 min
Lab File: VF060732.D
Acq: 14 Nov 2018 18:56

Instrument :
MSVOA_F
ClientSampled :
TP-5S1

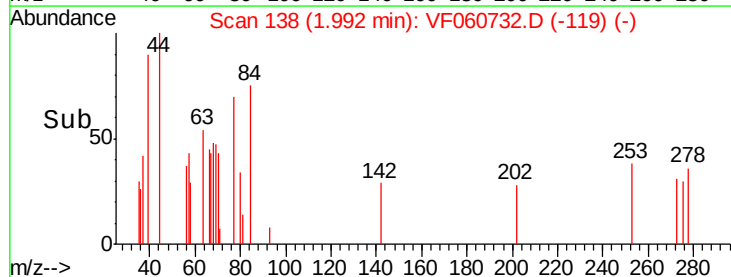
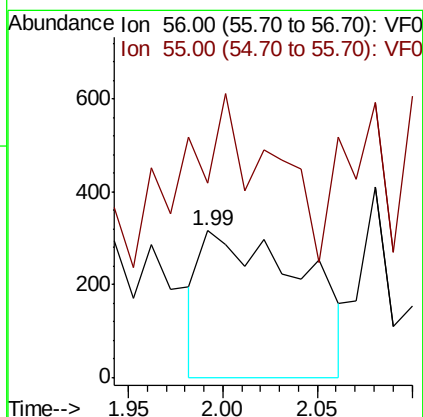
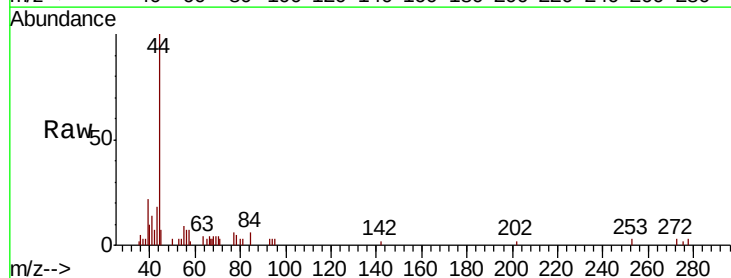
Tgt Ion: 59 Resp: 941
Ion Ratio Lower Upper
59 100
57 56.3 10.5 15.7#

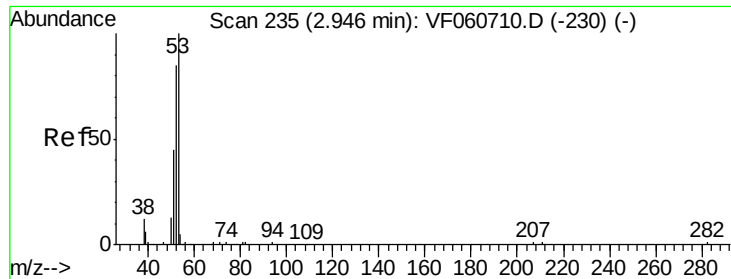


#13

Acrolein
Concen: 10.029 ug/l
RT: 1.99 min Scan# 138
Delta R.T. -0.02 min
Lab File: VF060732.D
Acq: 14 Nov 2018 18:56

Tgt Ion: 56 Resp: 1171
Ion Ratio Lower Upper
56 100
55 133.0 56.6 85.0#





#15

Acrylonitrile

Concen: 1.771 ug/l

RT: 2.90 min Scan# 230

Delta R.T. -0.05 min

Lab File: VF060732.D

Acq: 14 Nov 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

TP-5S1

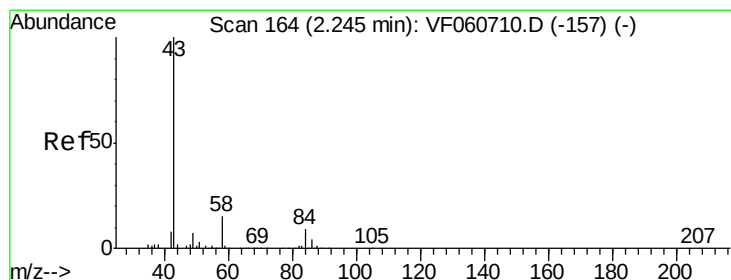
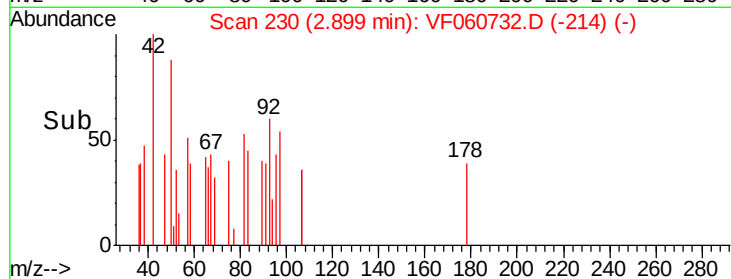
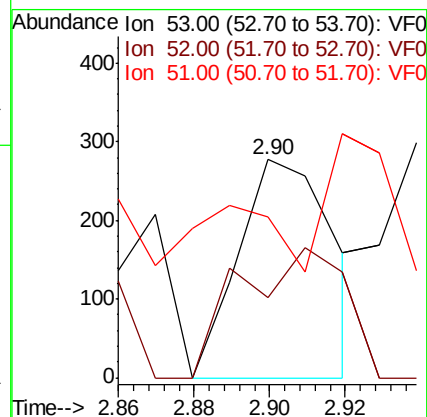
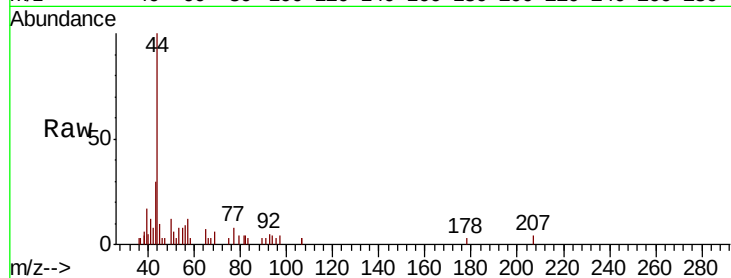
Tgt Ion: 53 Resp: 482

Ion Ratio Lower Upper

53 100

52 36.5 68.8 103.2#

51 74.0 36.7 55.1#



#16

Acetone

Concen: 51.720 ug/l

RT: 2.22 min Scan# 161

Delta R.T. -0.03 min

Lab File: VF060732.D

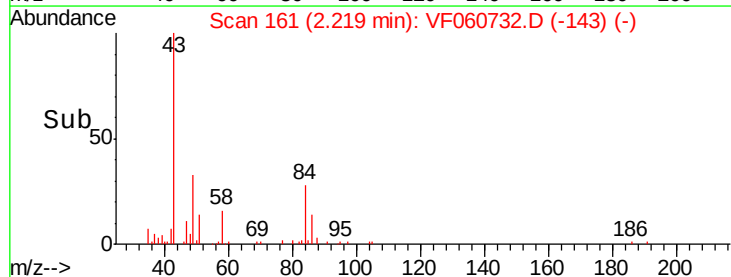
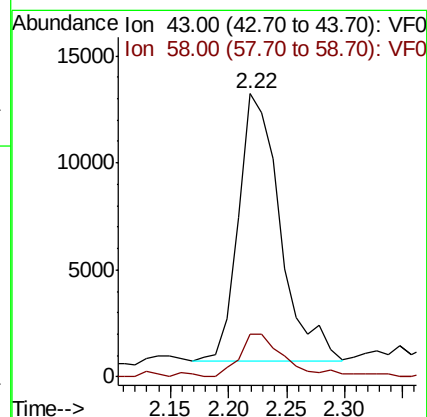
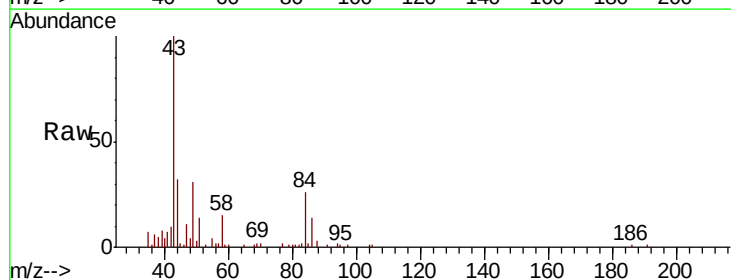
Acq: 14 Nov 2018 18:56

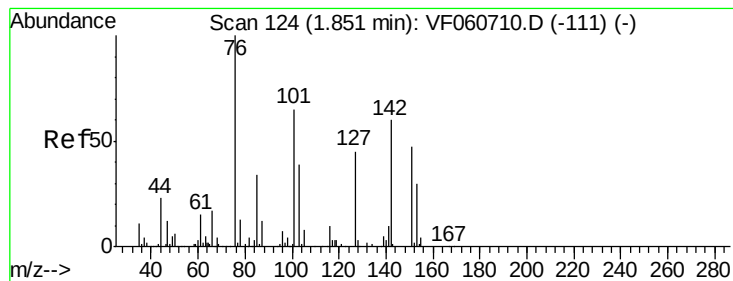
Tgt Ion: 43 Resp: 31020

Ion Ratio Lower Upper

43 100

58 15.2 11.6 17.4





#17

Carbon Disulfide

Concen: 1.461 ug/l

RT: 1.78 min Scan# 117

Delta R.T. -0.07 min

Lab File: VF060732.D

Acq: 14 Nov 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

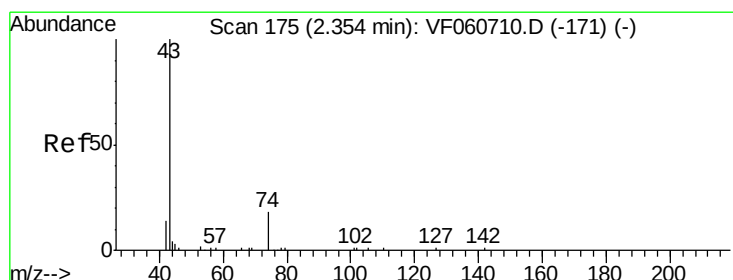
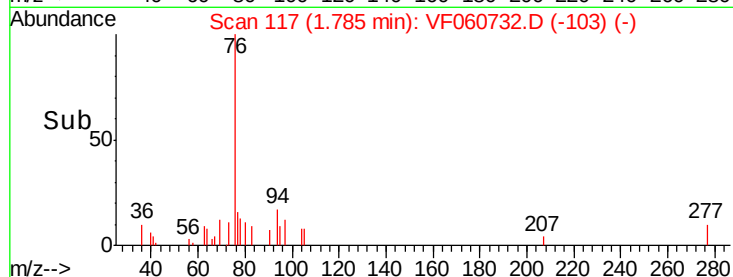
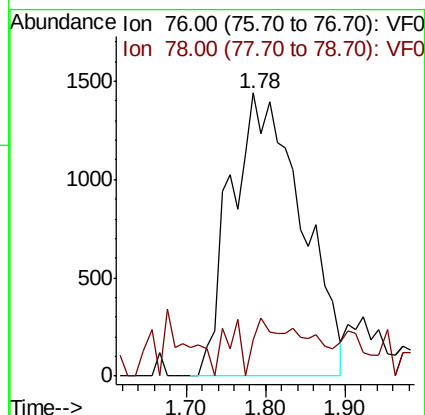
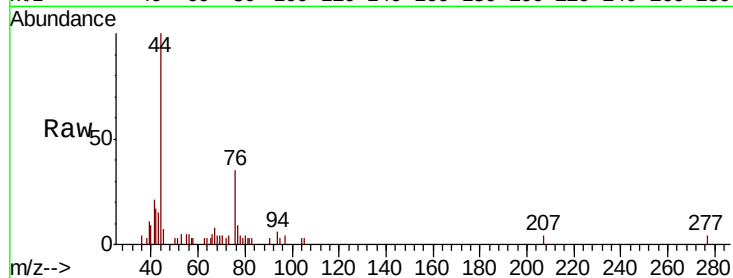
TP-5S1

Tgt Ion: 76 Resp: 8865

Ion Ratio Lower Upper

76 100

78 12.8 10.5 15.7



#18

Methyl Acetate

Concen: 1.203 ug/l

RT: 2.35 min Scan# 174

Delta R.T. -0.01 min

Lab File: VF060732.D

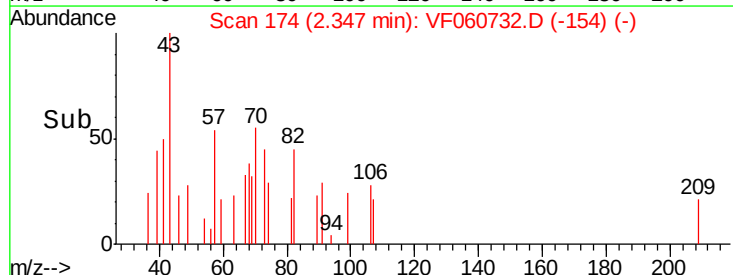
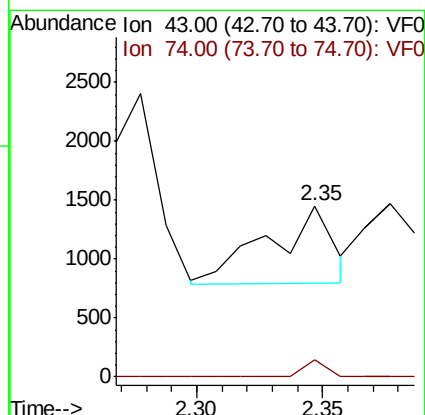
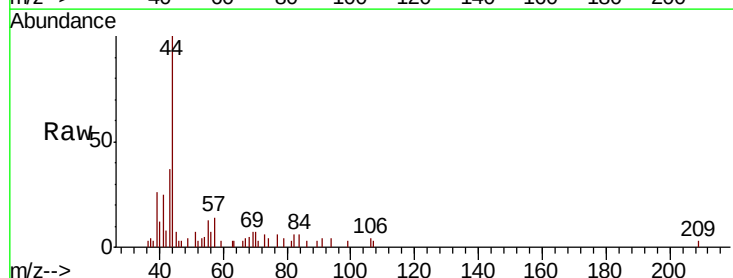
Acq: 14 Nov 2018 18:56

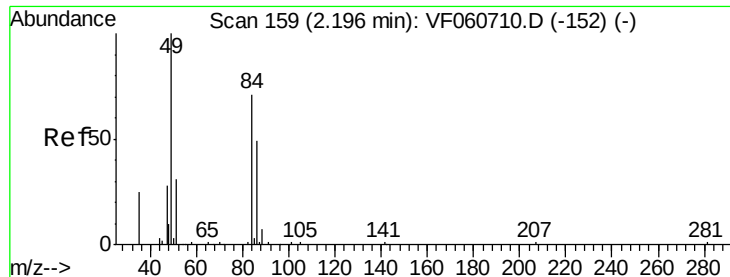
Tgt Ion: 43 Resp: 1185

Ion Ratio Lower Upper

43 100

74 10.1 11.8 17.8#

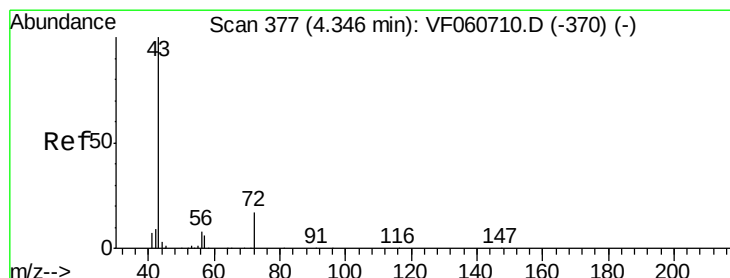
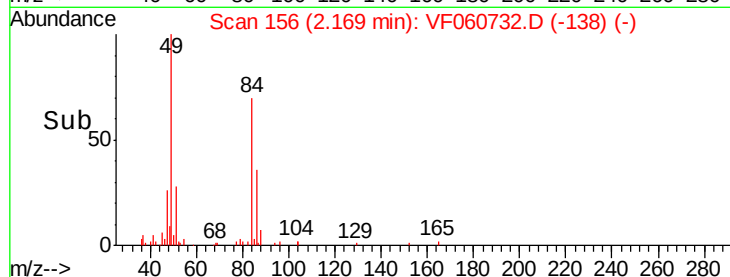
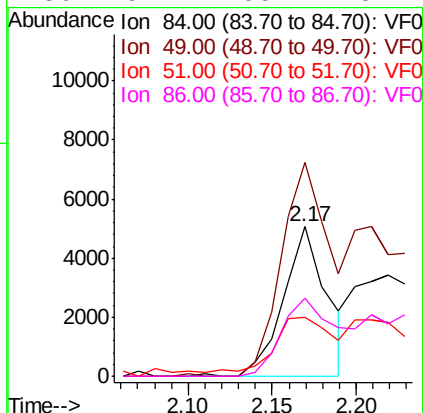
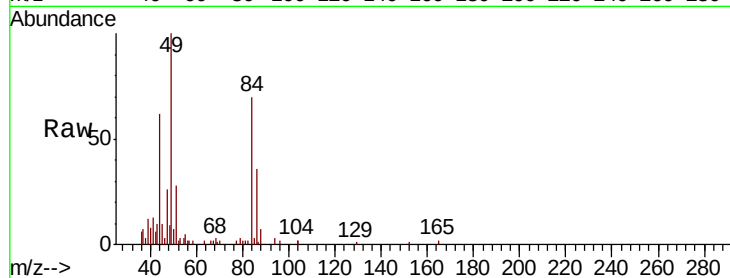




#20
Methylene Chloride
Concen: 1.788 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.03 min
Lab File: VF060732.D
Acq: 14 Nov 2018 18:56

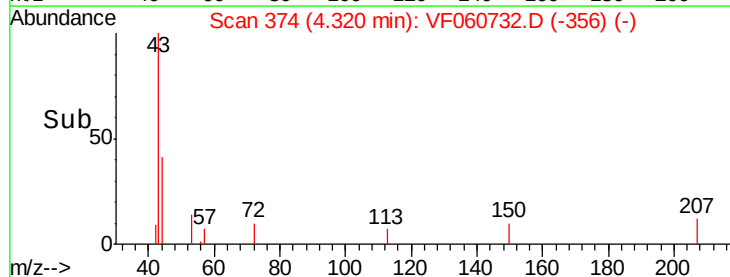
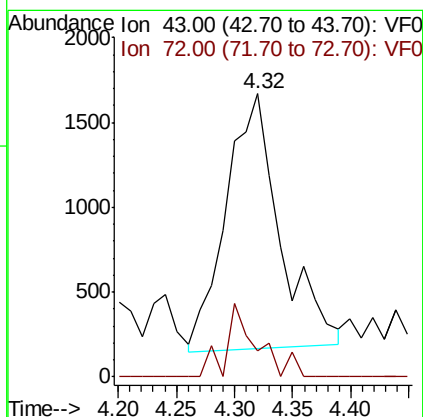
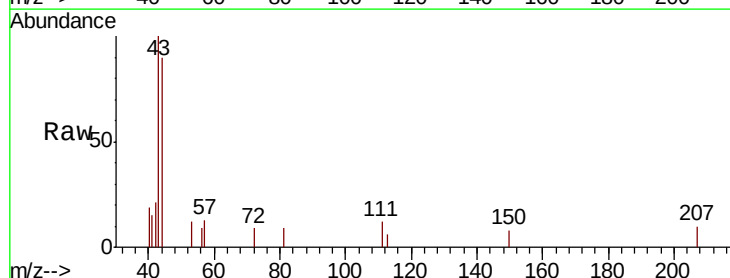
Instrument :
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ClientSampled :
TP-5S1

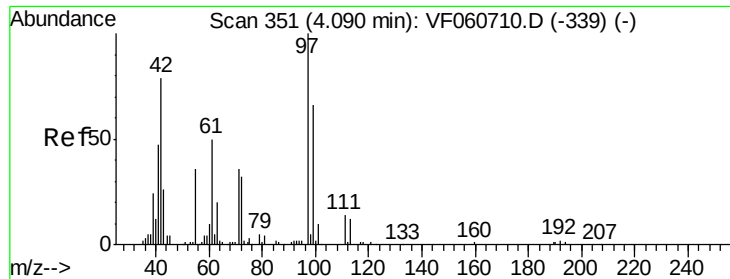
Tgt Ion: 84 Resp: 9064
Ion Ratio Lower Upper
84 100
49 143.0 120.2 180.4
51 39.8 37.2 55.8
86 52.1 55.1 82.7#



#25
2-Butanone
Concen: 4.941 ug/l
RT: 4.32 min Scan# 374
Delta R.T. -0.03 min
Lab File: VF060732.D
Acq: 14 Nov 2018 18:56

Tgt Ion: 43 Resp: 4874
Ion Ratio Lower Upper
43 100
72 9.0 16.1 24.1#





#29

Tetrahydrofuran

Concen: 3.045 ug/l

RT: 4.05 min Scan# 347

Delta R.T. -0.04 min

Lab File: VF060732.D

Acq: 14 Nov 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

TP-5S1

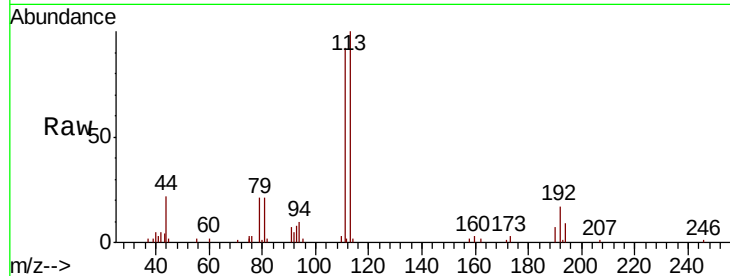
Tgt Ion: 42 Resp: 1239

Ion Ratio Lower Upper

42 100

72 25.3 30.3 45.5#

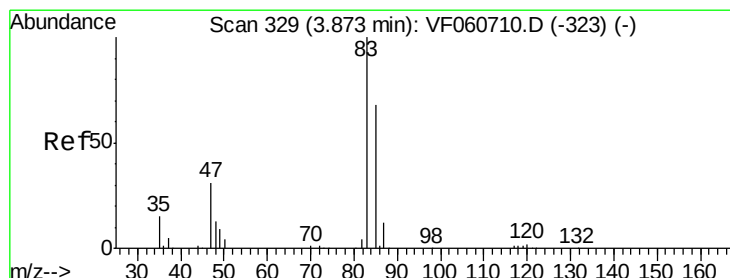
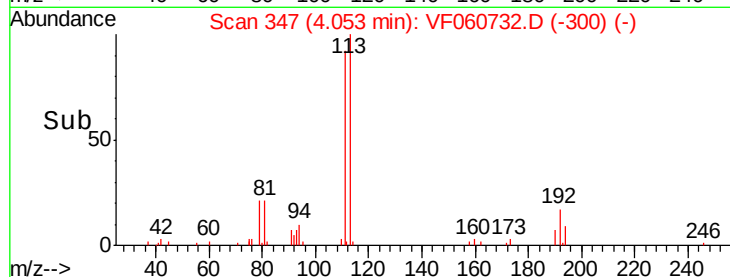
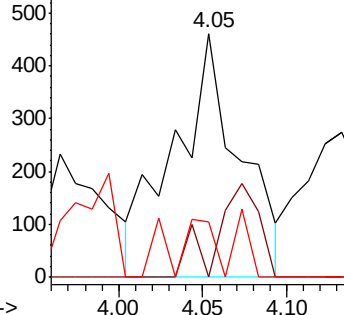
71 0.0 32.2 48.2#



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 2.077 ug/l

RT: 3.84 min Scan# 325

Delta R.T. -0.04 min

Lab File: VF060732.D

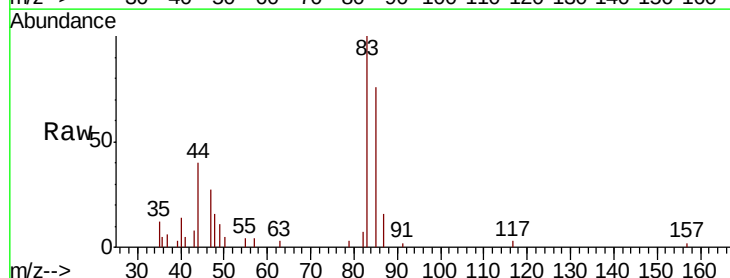
Acq: 14 Nov 2018 18:56

Tgt Ion: 83 Resp: 13693

Ion Ratio Lower Upper

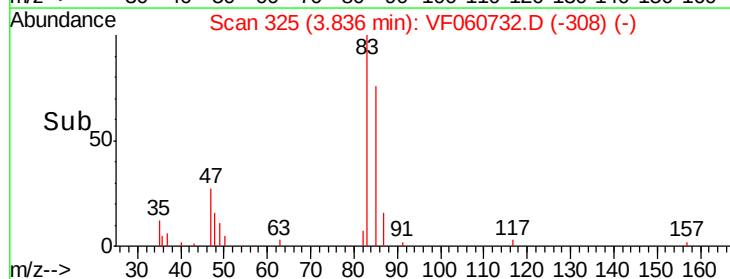
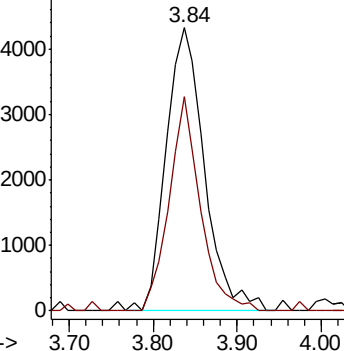
83 100

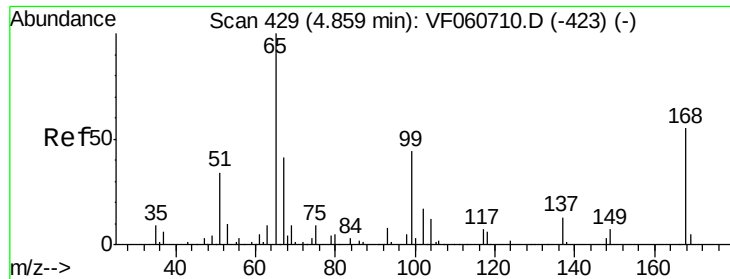
85 75.8 54.6 82.0



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

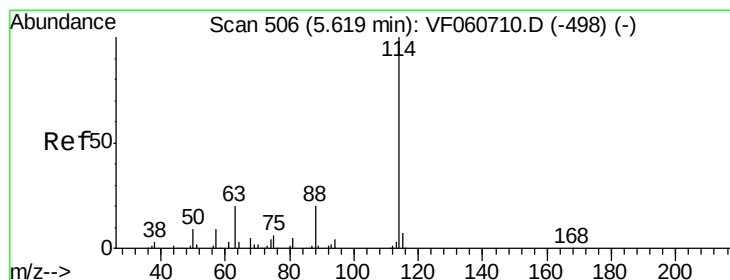
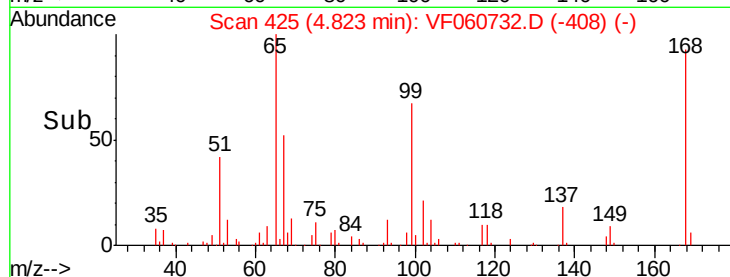
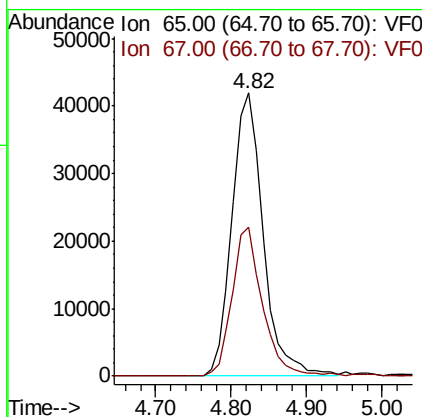
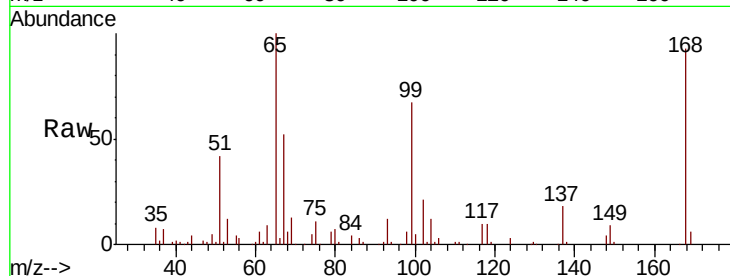




#33
 1,2-Dichloroethane-d4
 Concen: 42.829 ug/l
 RT: 4.82 min Scan# 425
 Delta R.T. -0.04 min
 Lab File: VF060732.D
 Acq: 14 Nov 2018 18:56

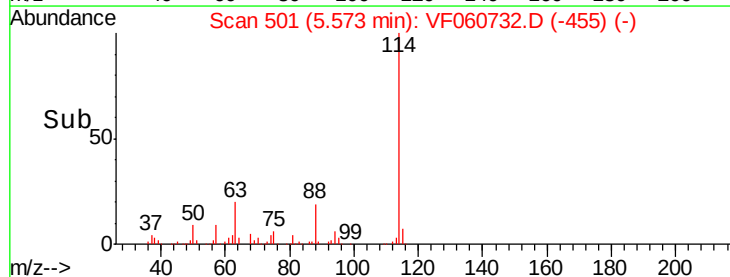
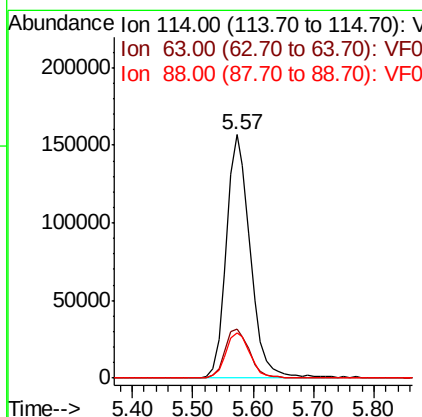
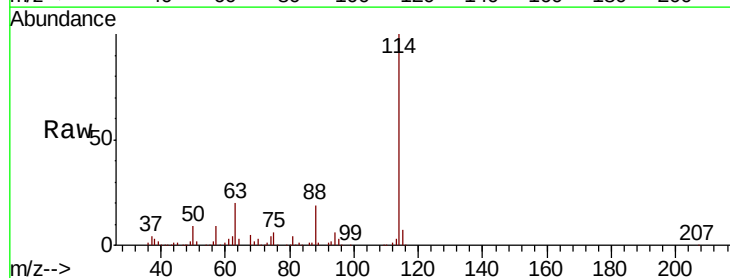
Instrument :
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 ClientSampleId :
 TP-5S1

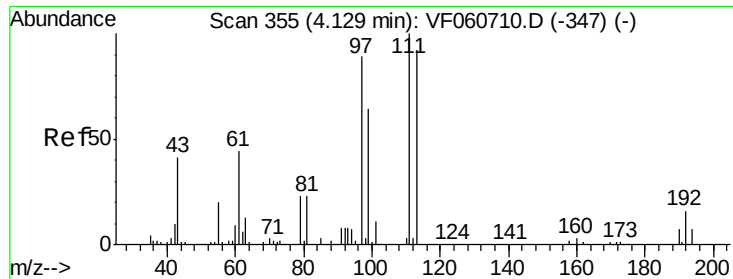
Tgt Ion: 65 Resp: 120179
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 90.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.57 min Scan# 501
 Delta R.T. -0.05 min
 Lab File: VF060732.D
 Acq: 14 Nov 2018 18:56

Tgt Ion: 114 Resp: 429708
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.8
 88 18.5 0.0 39.6

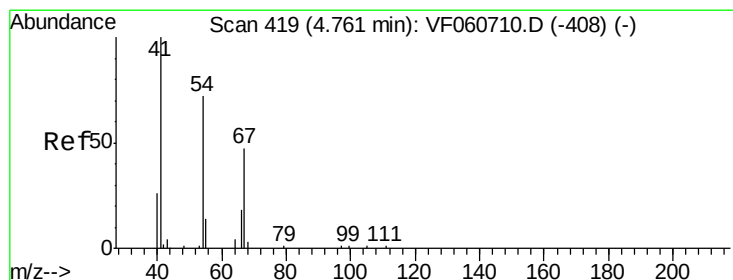
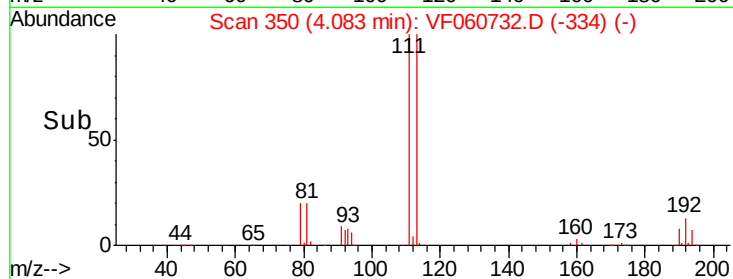
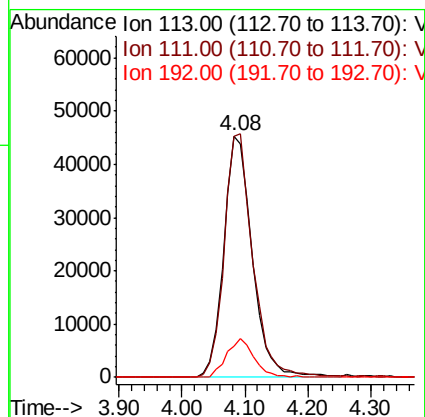
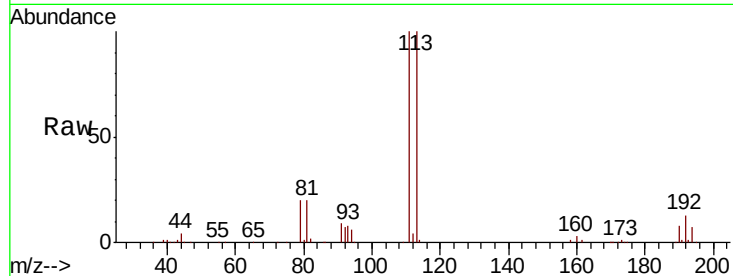




#35
 Dibromofluoromethane
 Concen: 43.996 ug/l
 RT: 4.08 min Scan# 350
 Delta R.T. -0.05 min
 Lab File: VF060732.D
 Acq: 14 Nov 2018 18:56

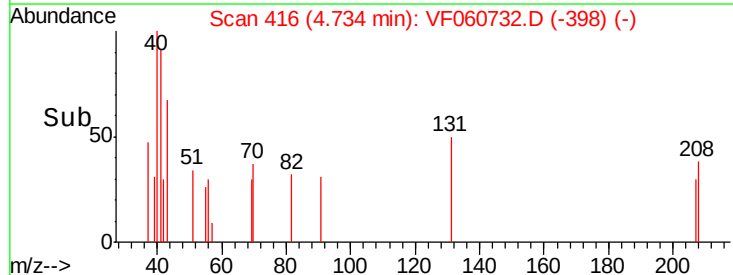
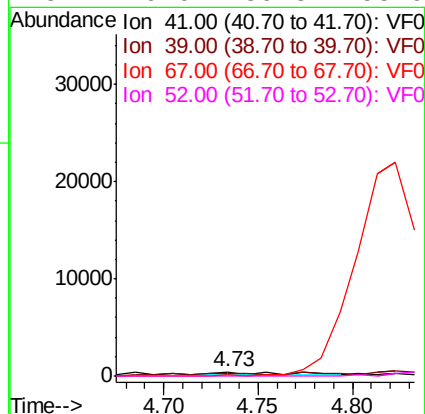
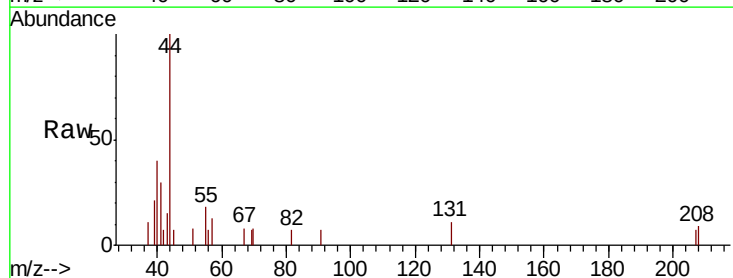
Instrument :
 MSVOA_F
 ClientSampleId :
 TP-5S1

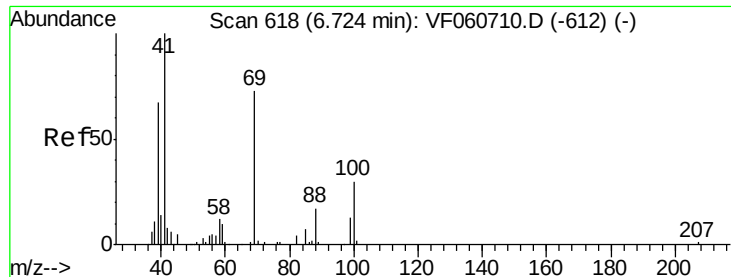
Tgt Ion: 113 Resp: 142112
 Ion Ratio Lower Upper
 113 100
 111 99.5 87.1 130.7
 192 13.7 13.8 20.6#



#41
 Methacrylonitrile
 Concen: Below Cal
 RT: 4.73 min Scan# 416
 Delta R.T. -0.03 min
 Lab File: VF060732.D
 Acq: 14 Nov 2018 18:56

Tgt Ion: 41 Resp: 743
 Ion Ratio Lower Upper
 41 100
 39 69.2 47.1 70.7
 67 28.4 37.1 55.7#
 52 0.0 39.3 58.9#





#49

1,4-Dioxane

Concen: 4.143 ug/l

RT: 6.68 min Scan# 613

Delta R.T. -0.05 min

Lab File: VF060732.D

Acq: 14 Nov 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

TP-5S1

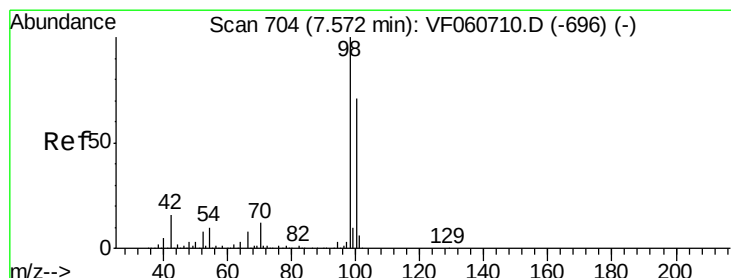
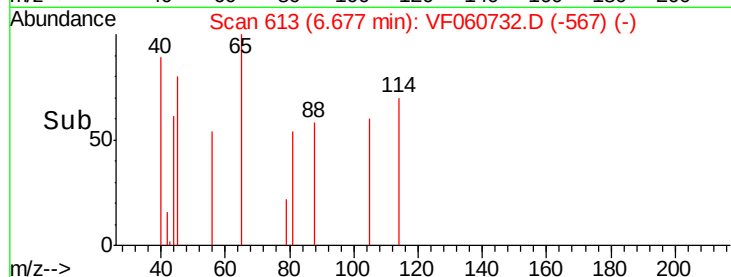
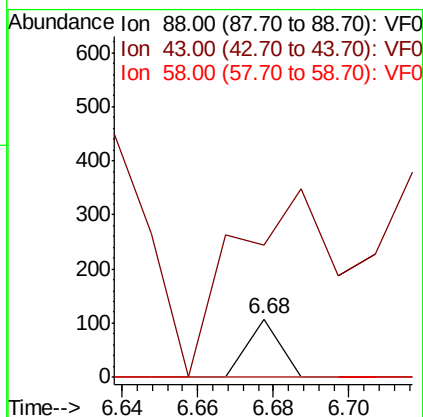
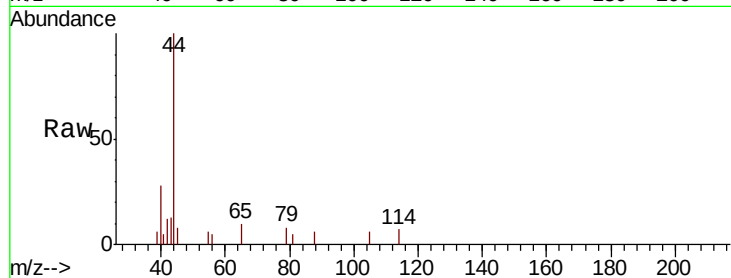
Tgt Ion: 88 Resp: 63

Ion Ratio Lower Upper

88 100

43 228.0 44.6 66.8#

58 0.0 54.5 81.7#



#50

Toluene-d8

Concen: 40.489 ug/l

RT: 7.54 min Scan# 700

Delta R.T. -0.04 min

Lab File: VF060732.D

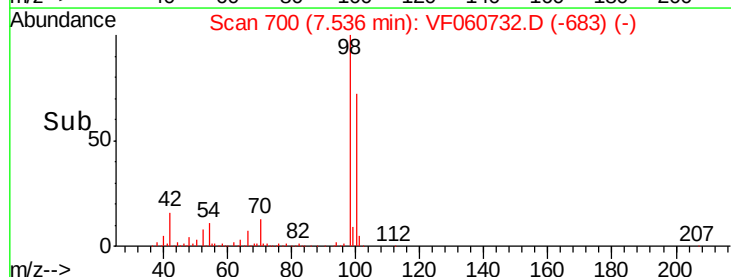
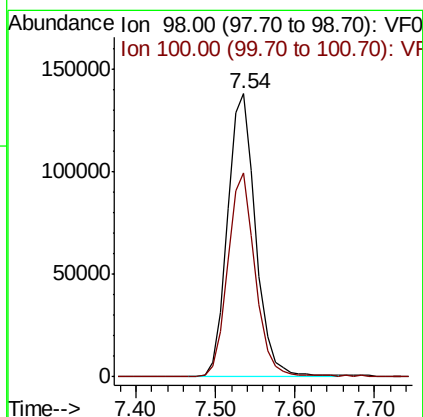
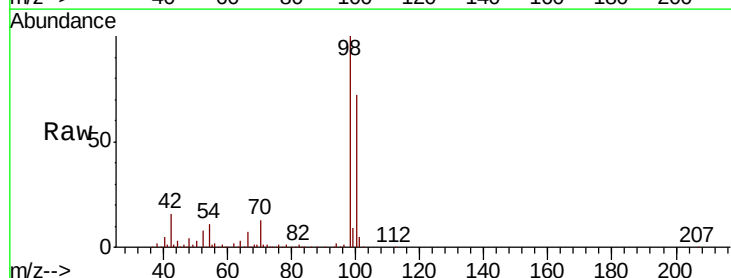
Acq: 14 Nov 2018 18:56

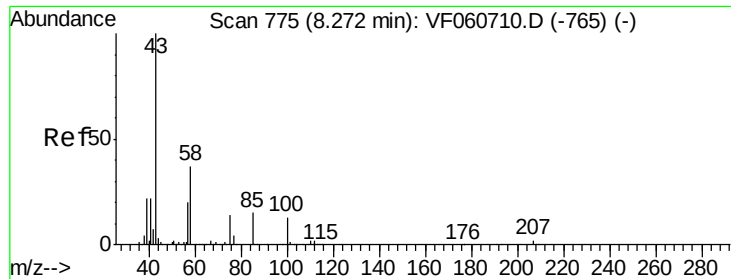
Tgt Ion: 98 Resp: 341400

Ion Ratio Lower Upper

98 100

100 72.1 56.5 84.7

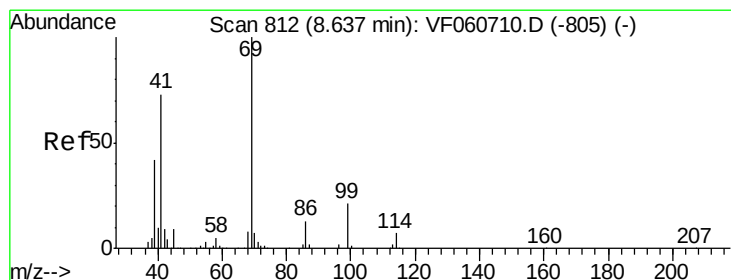
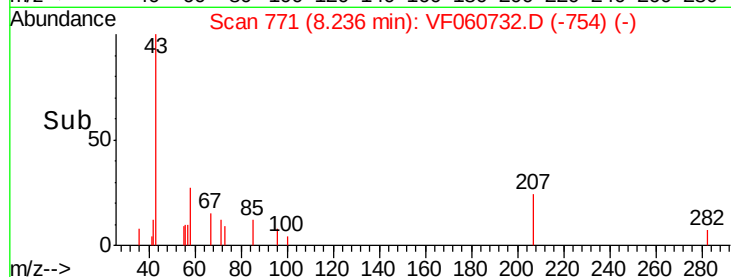
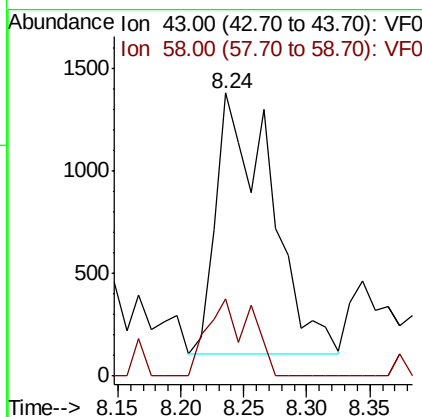
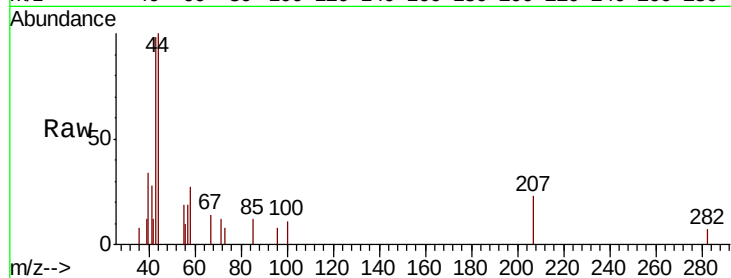




#51
 4-Methyl-2-Pentanone
 Concen: 2.153 ug/l
 RT: 8.24 min Scan# 771
 Delta R.T. -0.04 min
 Lab File: VF060732.D
 Acq: 14 Nov 2018 18:56

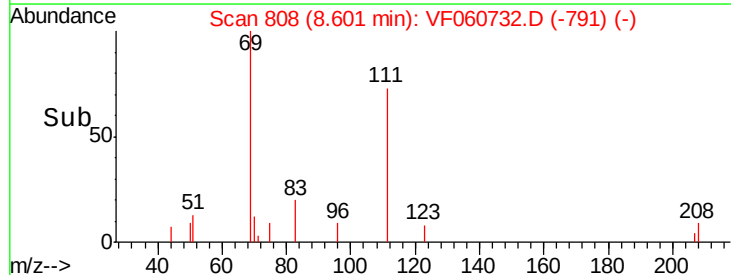
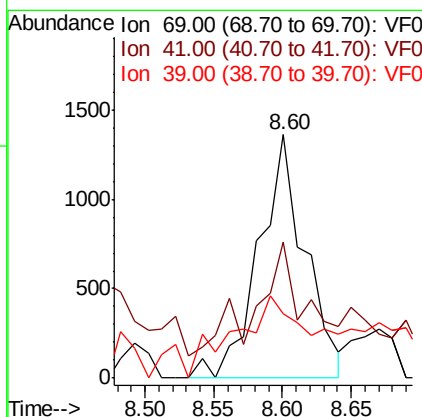
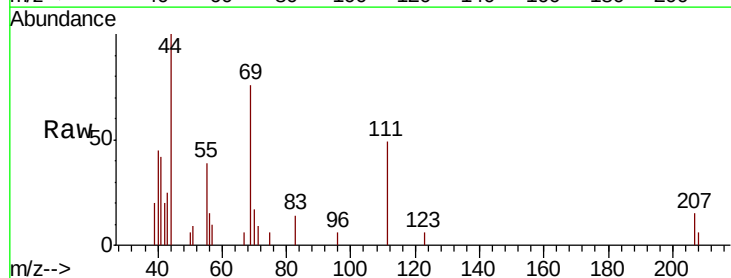
Instrument :
 MSVOA_F
 ClientSampleId :
 TP-5S1

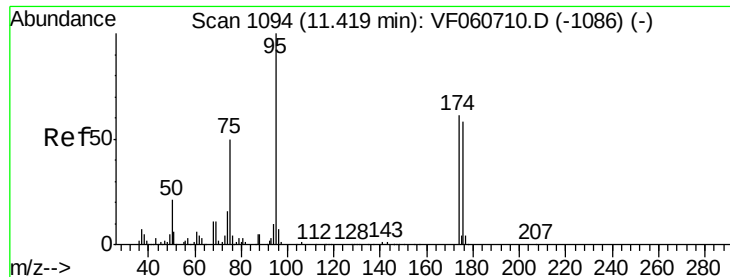
Tgt Ion: 43 Resp: 3826
 Ion Ratio Lower Upper
 43 100
 58 27.3 29.2 43.8#



#56
 Ethyl methacrylate
 Concen: 1.311 ug/l
 RT: 8.60 min Scan# 808
 Delta R.T. -0.04 min
 Lab File: VF060732.D
 Acq: 14 Nov 2018 18:56

Tgt Ion: 69 Resp: 3167
 Ion Ratio Lower Upper
 69 100
 41 55.8 59.0 88.6#
 39 26.4 34.0 51.0#

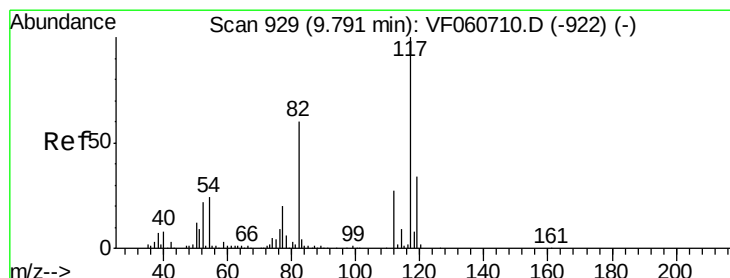
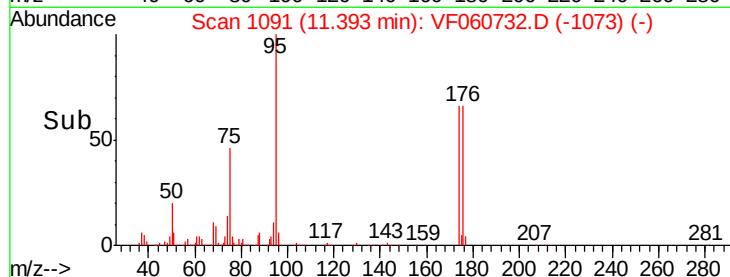
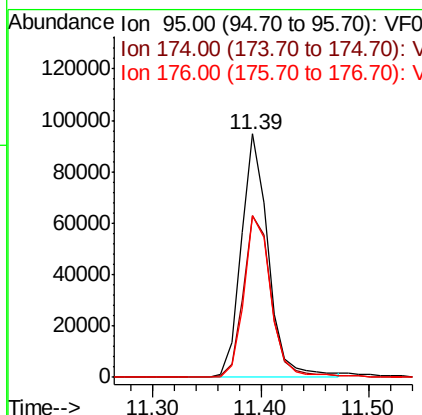
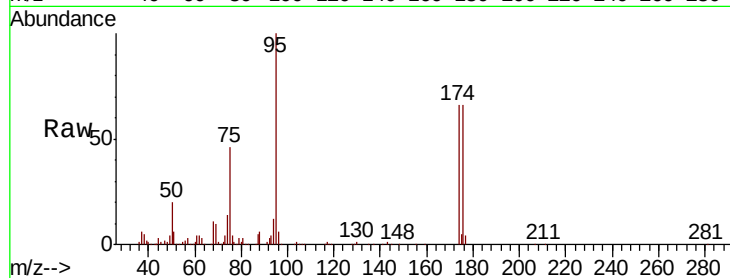




#62
4-Bromofluorobenzene
Concen: 42.459 ug/l
RT: 11.39 min Scan# 1091
Delta R.T. -0.03 min
Lab File: VF060732.D
Acq: 14 Nov 2018 18:56

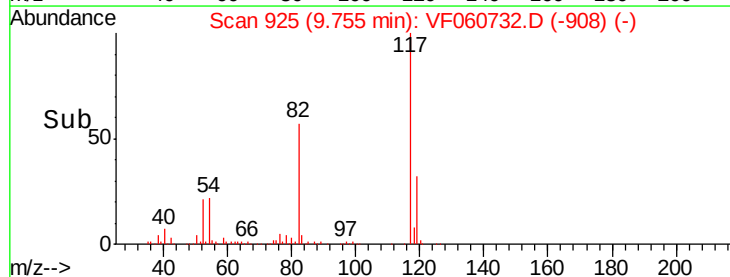
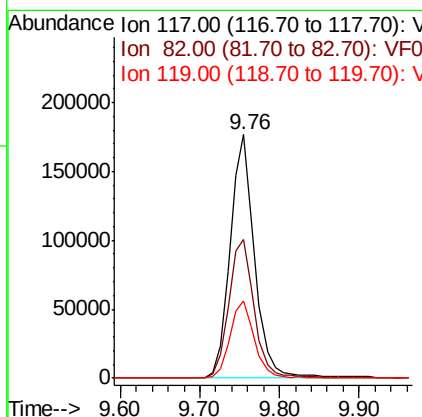
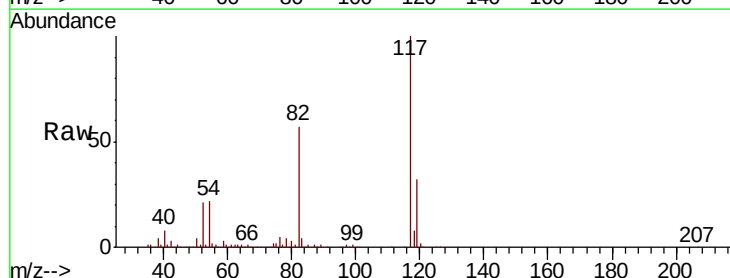
Instrument :
MSVOA_F
ClientSampleId :
TP-5S1

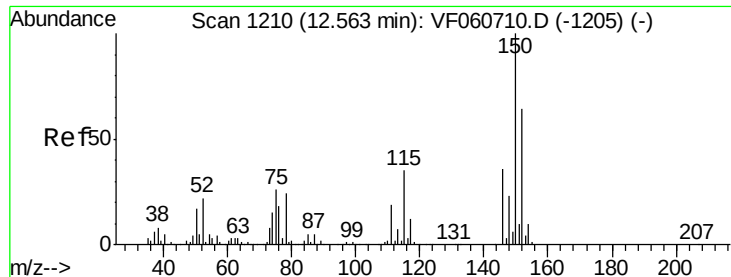
Tgt Ion: 95 Resp: 164630
Ion Ratio Lower Upper
95 100
174 66.2 0.0 121.6
176 66.4 0.0 115.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 925
Delta R.T. -0.04 min
Lab File: VF060732.D
Acq: 14 Nov 2018 18:56

Tgt Ion: 117 Resp: 378471
Ion Ratio Lower Upper
117 100
82 57.1 47.9 71.9
119 31.9 26.8 40.2



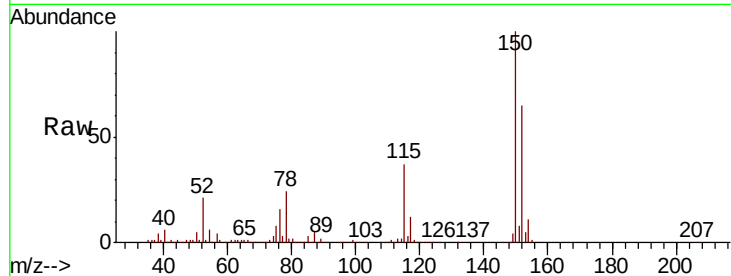


#72

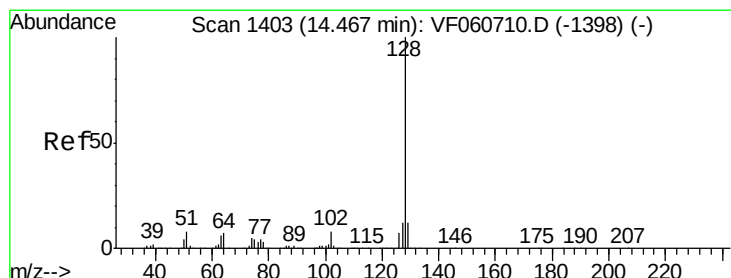
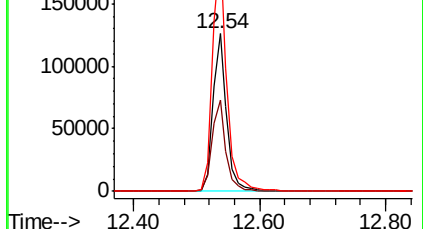
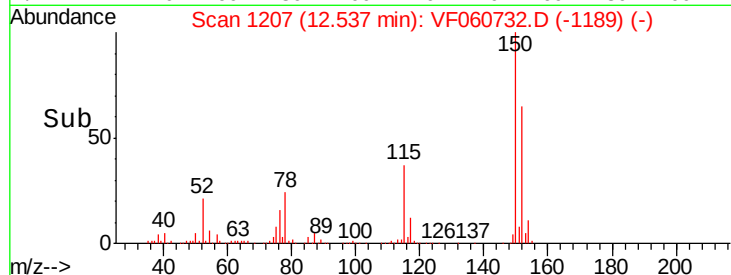
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1207
Delta R.T. -0.03 min
Lab File: VF060732.D
Acq: 14 Nov 2018 18:56

Instrument :
MSVOA_F
ClientSampled :
TP-5S1

Tgt Ion:152 Resp: 193903
Ion Ratio Lower Upper
152 100
115 57.7 27.9 83.7
150 154.7 0.0 316.4



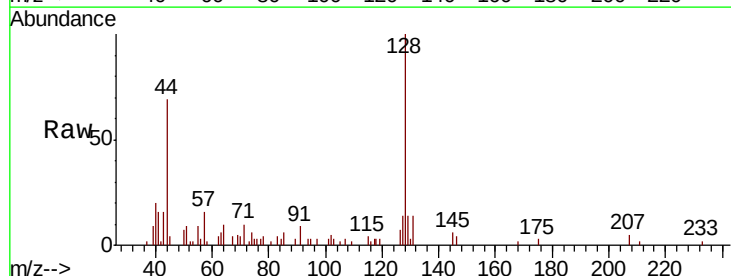
Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



#95

Naphthalene
Concen: 1.009 ug/l
RT: 14.44 min Scan# 1400
Delta R.T. -0.03 min
Lab File: VF060732.D
Acq: 14 Nov 2018 18:56

Tgt Ion:128 Resp: 8058
Ion Ratio Lower Upper
128 100
127 14.0 9.8 14.6
129 14.0 9.3 13.9#



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

