

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112018\
 Data File : VF060808.D
 Acq On : 20 Nov 2018 17:44
 Operator : VA/AP
 Sample : J5950-10
 Misc : 6.15g/5mL/MSVOA-F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Nov 21 02:49:25 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	4.88	168	202093	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.61	114	358980	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.78	117	290941	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	117093	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	111450	48.35	ug/l	-0.01
Spiked Amount			Recovery	=	96.70%	
35) Dibromofluoromethane	4.12	113	139492	51.69	ug/l	-0.01
Spiked Amount			Recovery	=	103.38%	
50) Toluene-d8	7.56	98	312098	44.68	ug/l	0.00
Spiked Amount			Recovery	=	89.36%	
62) 4-Bromofluorobenzene	11.42	95	155514	48.59	ug/l	0.00
Spiked Amount			Recovery	=	97.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.56	59	600	5.719	ug/l #	8
13) Acrolein	1.84	56	871	9.080	ug/l	96
15) Acrylonitrile	2.94	53	998	4.464	ug/l #	49
16) Acetone	2.24	43	12829	26.038	ug/l #	92
18) Methyl Acetate	2.38	43	4155	5.136	ug/l #	64
20) Methylene Chloride	2.24	84	4094	Below Cal		93
25) 2-Butanone	4.35	43	6912	8.529	ug/l #	80
27) cis-1,2-Dichloroethene	3.49	96	9361	3.195	ug/l	97
29) Tetrahydrofuran	4.08	42	1171	3.503	ug/l #	62
31) Cyclohexane	3.76	56	5743	1.402	ug/l #	56
37) Ethyl Acetate	4.02	43	12086	7.808	ug/l #	1
39) Methylcyclohexane	5.45	83	14173	2.934	ug/l	91
41) Methacrylonitrile	4.68	41	8674	6.767	ug/l #	43
43) Isopropyl Acetate	6.82	43	31765	15.478	ug/l #	48
48) Methyl methacrylate	6.82	41	16189	11.919	ug/l #	47
51) 4-Methyl-2-Pentanone	8.28	43	21547	14.517	ug/l #	55
52) Toluene	7.63	92	14150	2.275	ug/l	88
55) 1,1,2-Trichloroethane	8.40	97	9182	5.167	ug/l #	50
56) Ethyl methacrylate	8.64	69	55002	27.255	ug/l #	70
58) 2-Chloroethyl Vinyl ether	7.63	63	2355	12.775	ug/l	100
59) 2-Hexanone	9.51	43	15286	14.654	ug/l	66
67) Ethyl Benzene	9.91	91	161926	14.632	ug/l	100
68) m/p-Xylenes	10.14	106	281761	71.245	ug/l	93
69) o-Xylene	10.72	106	111746	25.132	ug/l	94
73) Isopropylbenzene	11.13	105	46178	4.899	ug/l	96
74) N-amyl acetate	11.40	43	44413	20.699	ug/l #	60
75) 1,1,2,2-Tetrachloroethane	11.67	83	58025	37.237	ug/l #	1
76) 1,2,3-Trichloropropane	11.83	75	10808	9.339	ug/l #	1
78) n-propylbenzene	11.61	91	176723	16.077	ug/l	99
79) 2-Chlorotoluene	11.71	91	122445	19.165	ug/l #	43
80) 1,3,5-Trimethylbenzene	11.83	105	906069	121.087	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.83	75	10808	19.009	ug/l #	1
82) 4-Chlorotoluene	11.83	91	97713	14.929	ug/l #	43
83) tert-Butylbenzene	12.14	119	52449	6.602	ug/l	85

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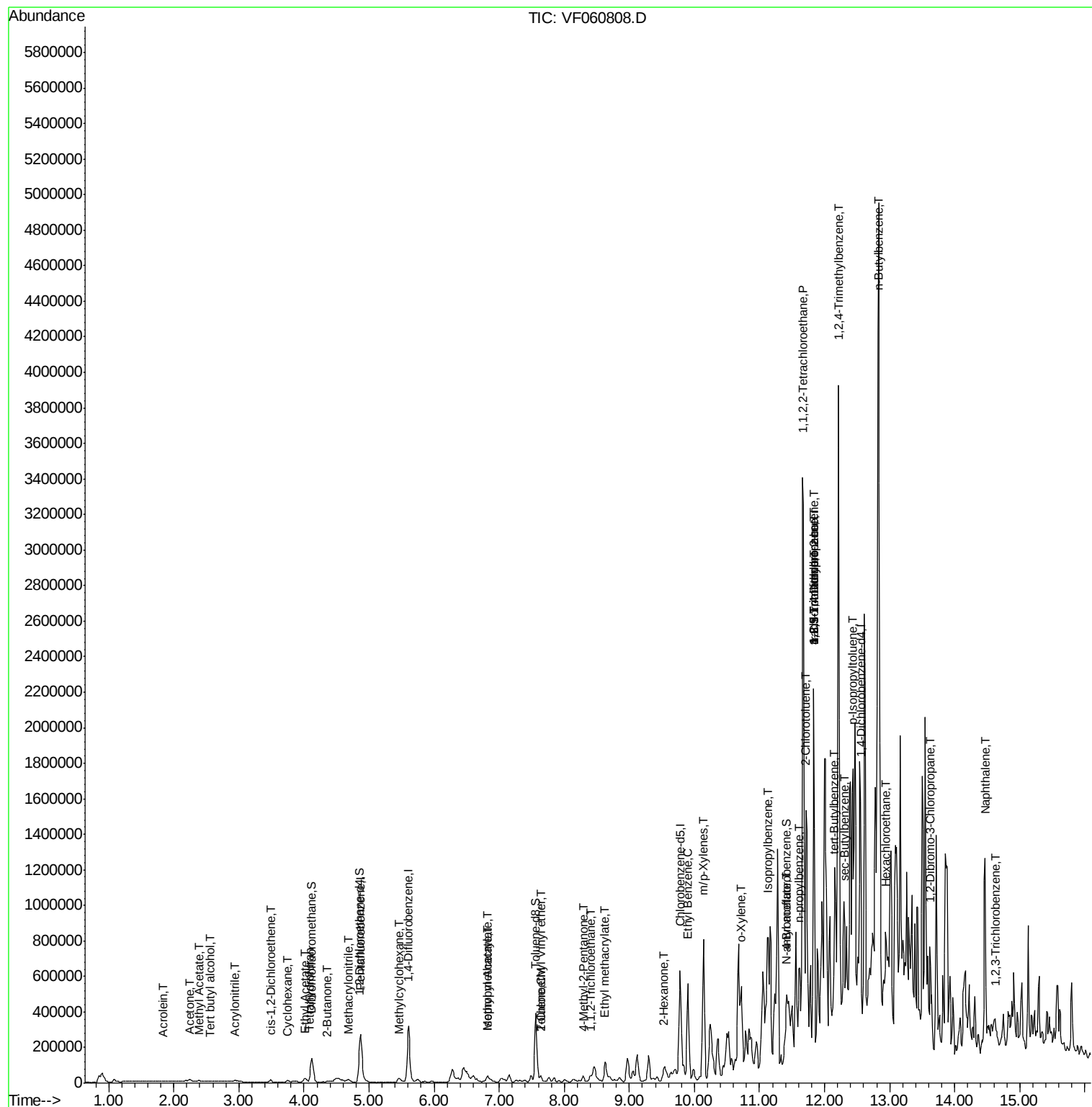
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,2,4-Trimethylbenzene	12.22	105	1452372	187.673	ug/l	99
85) sec-Butylbenzene	12.32	105	69862	6.482	ug/l	80
86) p-Isopropyltoluene	12.43	119	296144	32.900	ug/l	92
89) n-Butylbenzene	12.84	91	267853	29.159	ug/l #	1
90) Hexachloroethane	12.94	117	7756	3.523	ug/l #	21
92) 1,2-Dibromo-3-Chloropropan	13.62	75	2975	10.158	ug/l #	13
95) Naphthalene	14.47	128	407818	84.588	ug/l	98
96) 1,2,3-Trichlorobenzene	14.64	180	7784	3.188	ug/l #	45

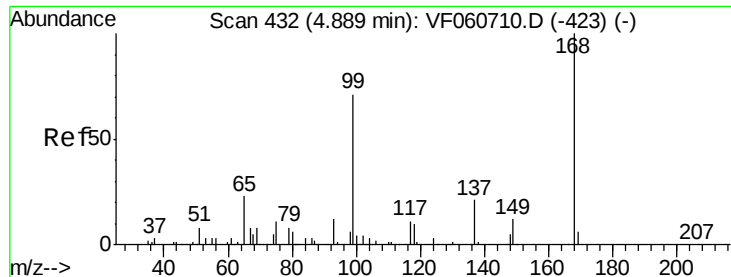
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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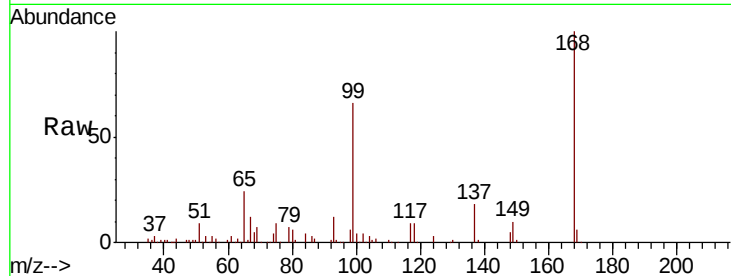




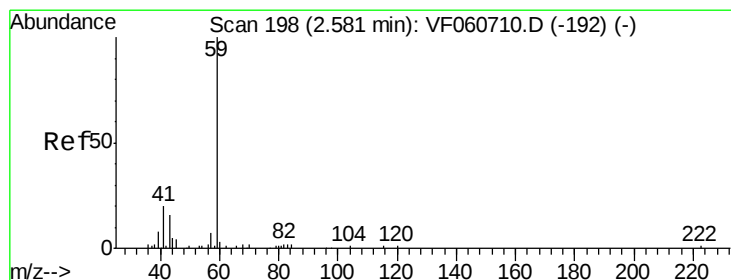
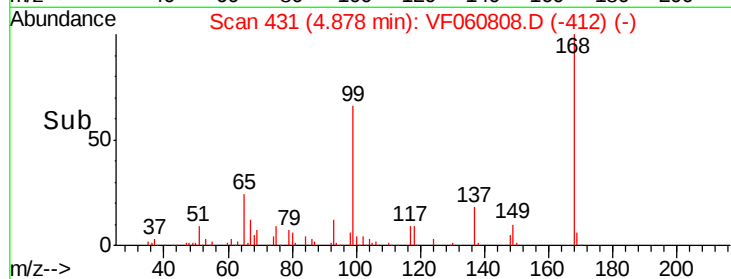
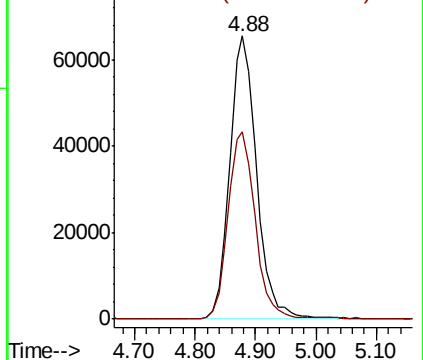
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.88 min Scan# 431
Delta R.T. -0.01 min
Lab File: VF060808.D
Acq: 20 Nov 2018 17:44

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 202093
Ion Ratio Lower Upper
168 100
99 66.1 57.2 85.8

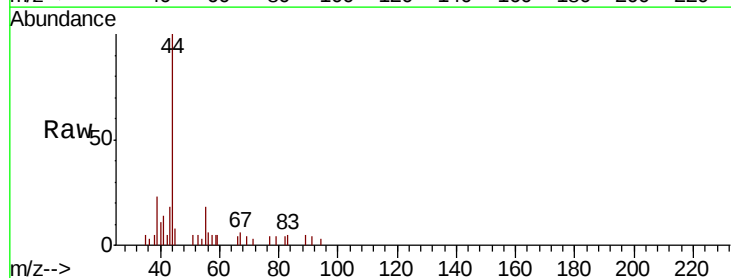


Abundance Ion 168.00 (167.70 to 168.70): VF0
Ion 99.00 (98.70 to 99.70): VF0

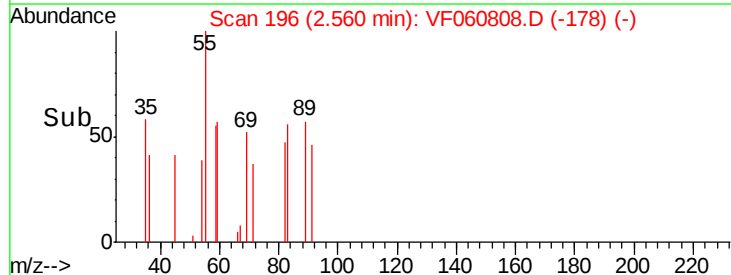
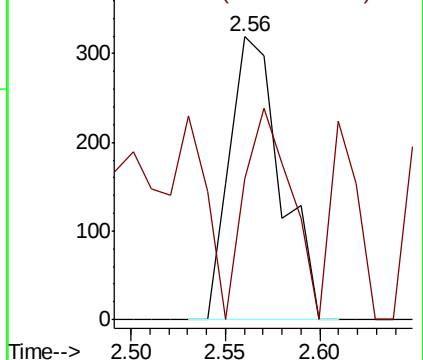


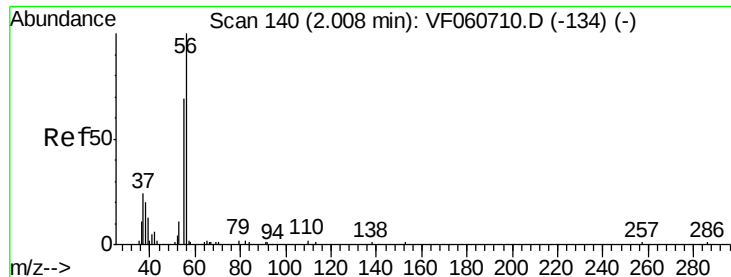
#11
Tert butyl alcohol
Concen: 5.719 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.02 min
Lab File: VF060808.D
Acq: 20 Nov 2018 17:44

Tgt Ion: 59 Resp: 600
Ion Ratio Lower Upper
59 100
57 49.8 10.5 15.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0
Ion 57.00 (56.70 to 57.70): VF0





#13

Acrolein

Concen: 9.080 ug/l

RT: 1.84 min Scan# 123

Delta R.T. -0.17 min

Lab File: VF060808.D

Acq: 20 Nov 2018 17:44

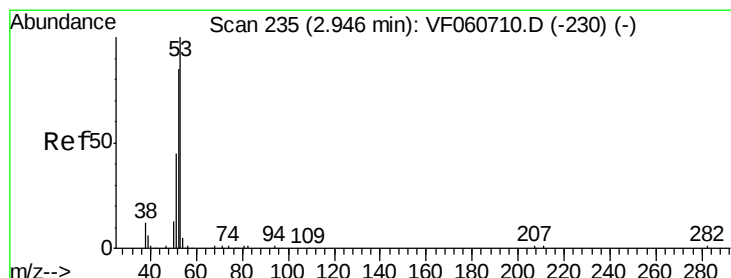
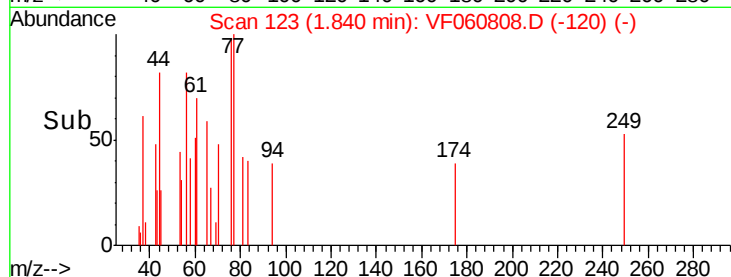
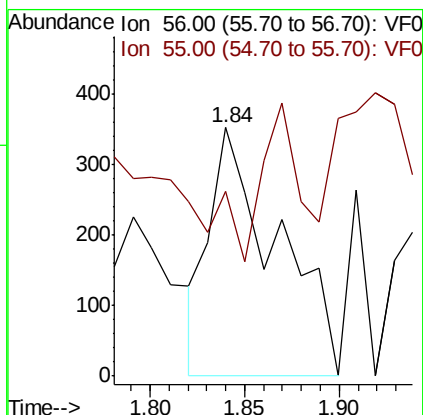
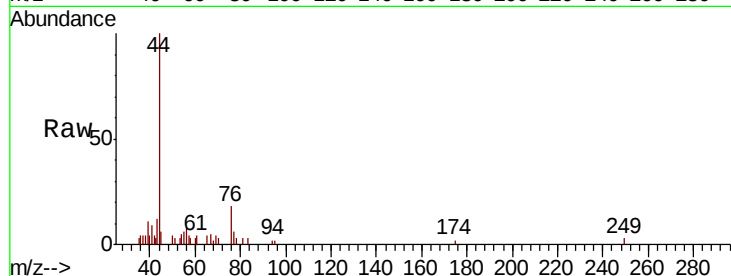
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 871

Ion Ratio Lower Upper

56 100

55 74.2 56.6 85.0



#15

Acrylonitrile

Concen: 4.464 ug/l

RT: 2.94 min Scan# 235

Delta R.T. -0.00 min

Lab File: VF060808.D

Acq: 20 Nov 2018 17:44

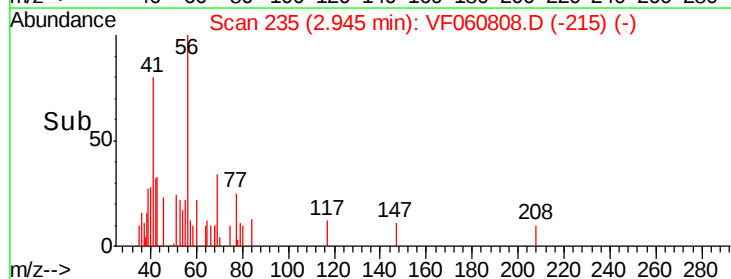
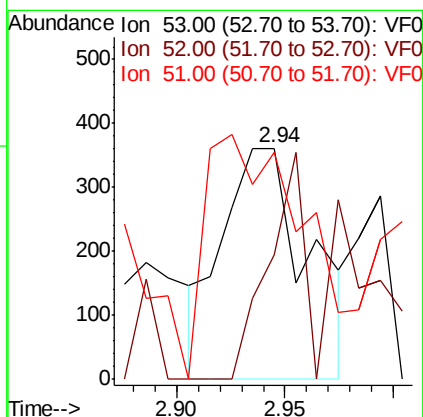
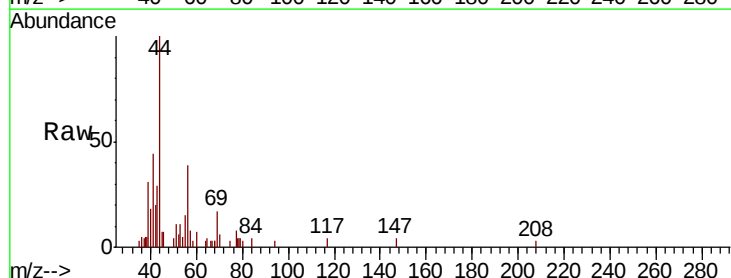
Tgt Ion: 53 Resp: 998

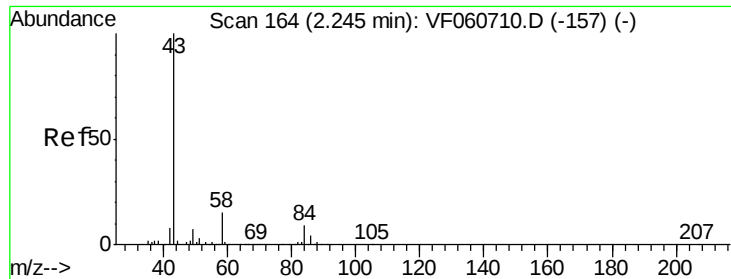
Ion Ratio Lower Upper

53 100

52 53.5 68.8 103.2#

51 98.1 36.7 55.1#

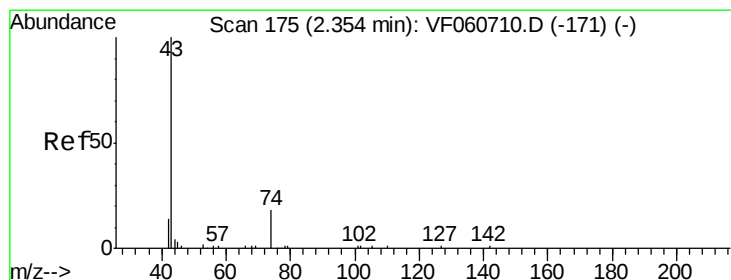
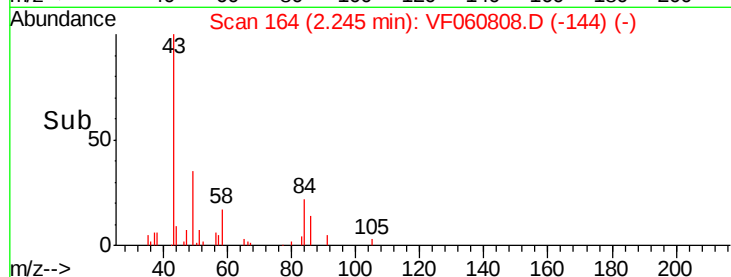
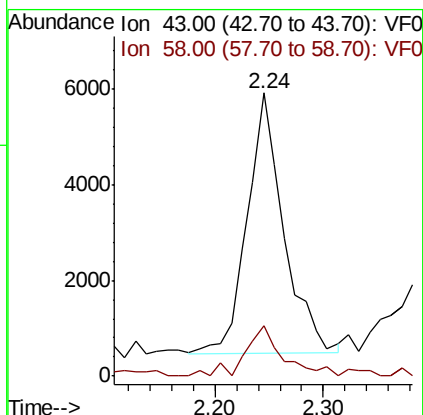
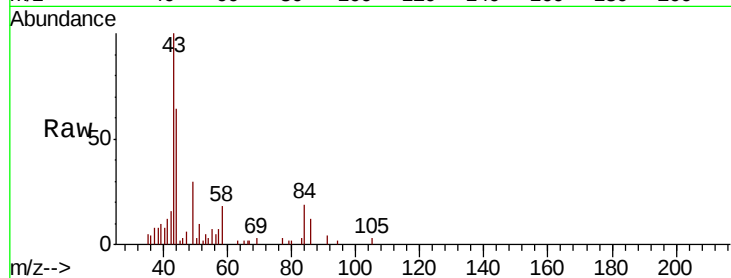




#16
Acetone
Concen: 26.038 ug/l
RT: 2.24 min Scan# 164
Delta R.T. -0.00 min
Lab File: VF060808.D
Acq: 20 Nov 2018 17:44

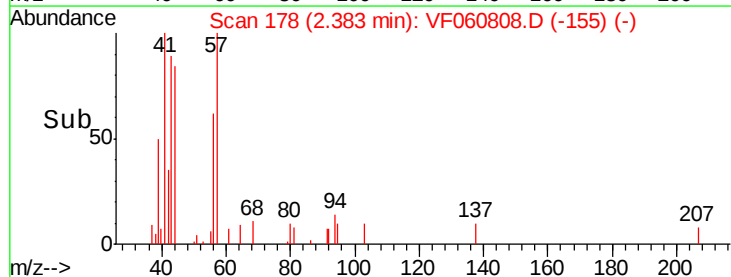
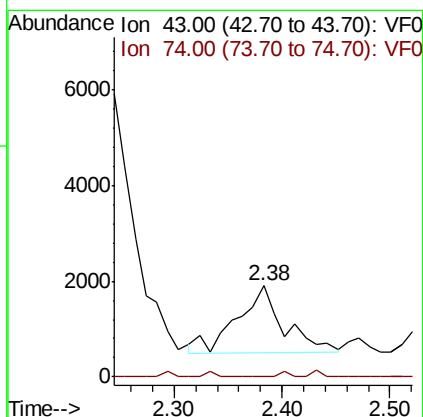
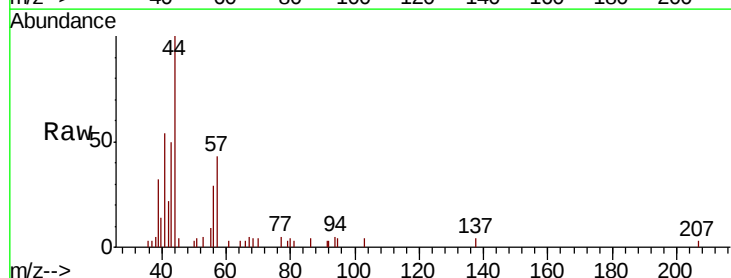
Instrument :
MSVOA_F
ClientSampleId :

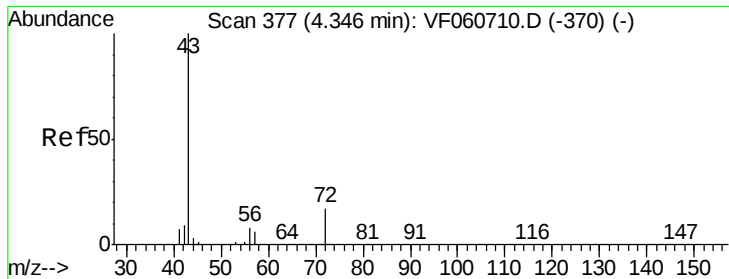
Tot Ion: 43 Resp: 12829
Ion Ratio Lower Upper
43 100
58 17.6 11.6 17.4#



#18
Methyl Acetate
Concen: 5.136 ug/l
RT: 2.38 min Scan# 178
Delta R.T. 0.03 min
Lab File: VF060808.D
Acq: 20 Nov 2018 17:44

Tgt Ion: 43 Resp: 4155
Ion Ratio Lower Upper
43 100
74 0.0 11.8 17.8#





#25

2-Butanone

Concen: 8.529 ug/l

RT: 4.35 min Scan# 377

Delta R.T. -0.00 min

Lab File: VF060808.D

Acq: 20 Nov 2018 17:44

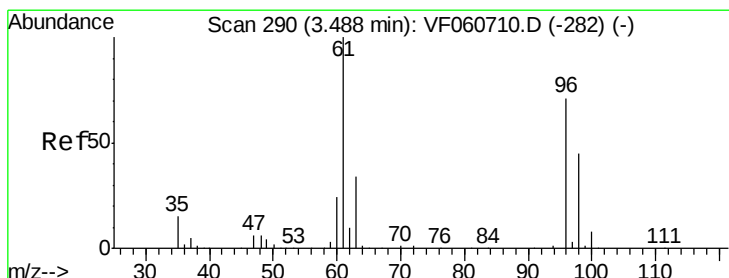
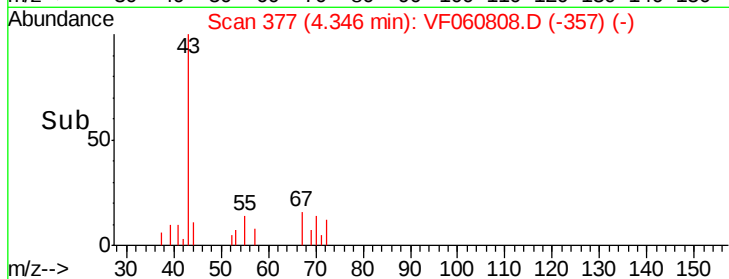
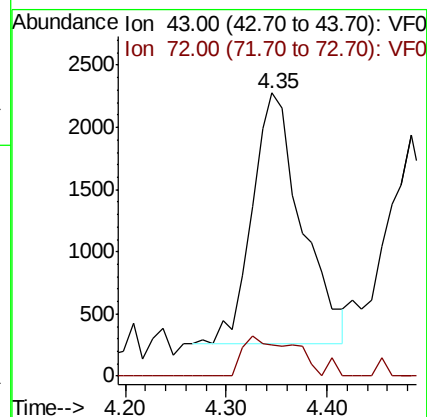
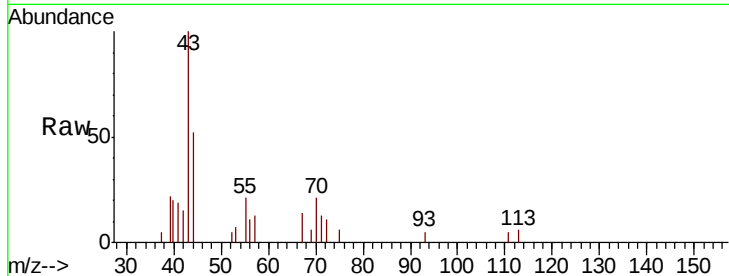
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 6912

Ion Ratio Lower Upper

43 100

72 10.9 16.1 24.1#



#27

cis-1,2-Dichloroethene

Concen: 3.195 ug/l

RT: 3.49 min Scan# 290

Delta R.T. -0.00 min

Lab File: VF060808.D

Acq: 20 Nov 2018 17:44

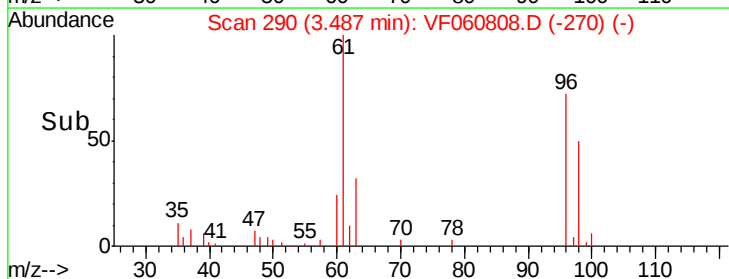
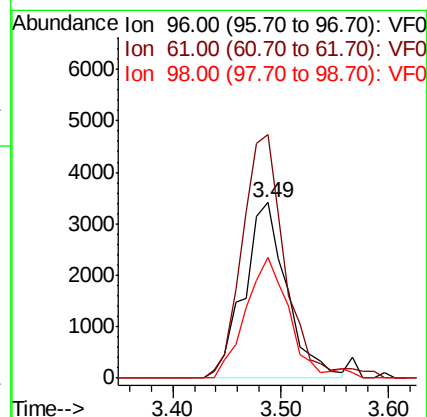
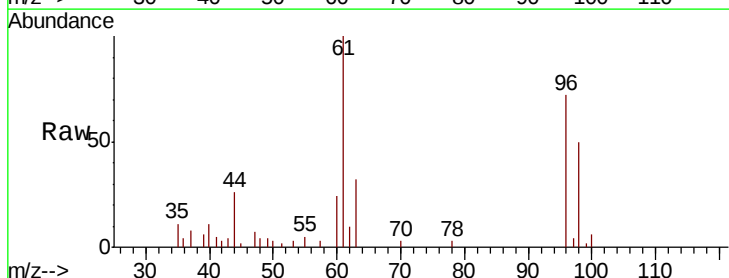
Tgt Ion: 96 Resp: 9361

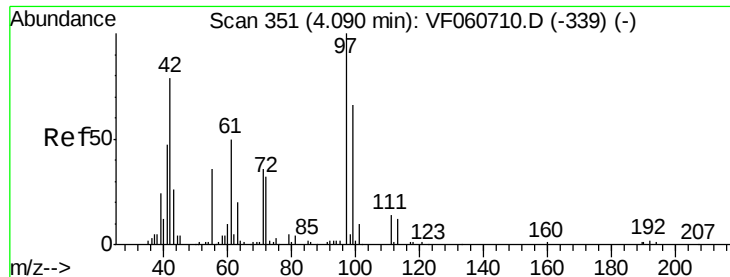
Ion Ratio Lower Upper

96 100

61 138.8 0.0 280.6

98 68.9 0.0 127.6





#29

Tetrahydrofuran

Concen: 3.503 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.01 min

Lab File: VF060808.D

Acq: 20 Nov 2018 17:44

Instrument :

MSVOA_F

ClientSampleId :

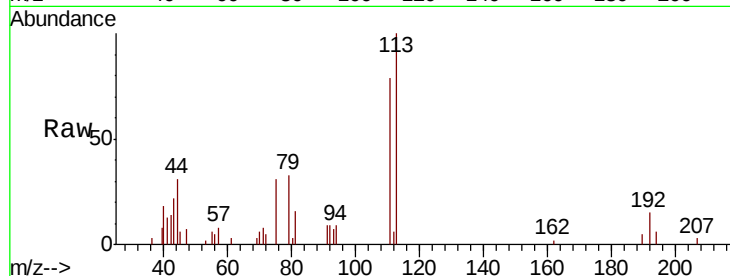
Tot Ion: 42 Resp: 1171

Ion Ratio Lower Upper

42 100

72 44.1 30.3 45.5

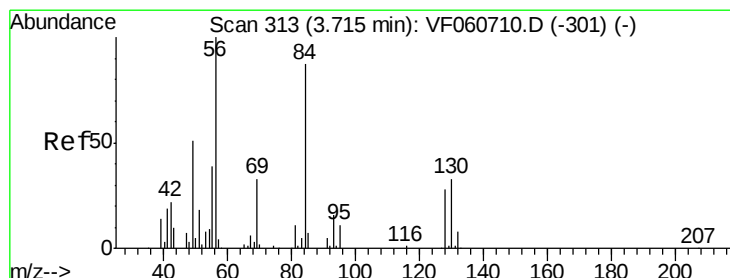
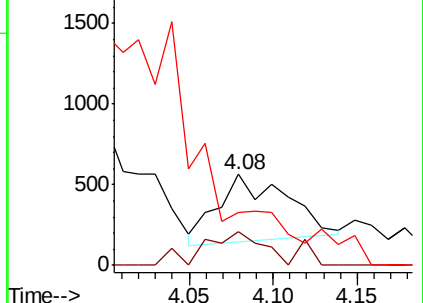
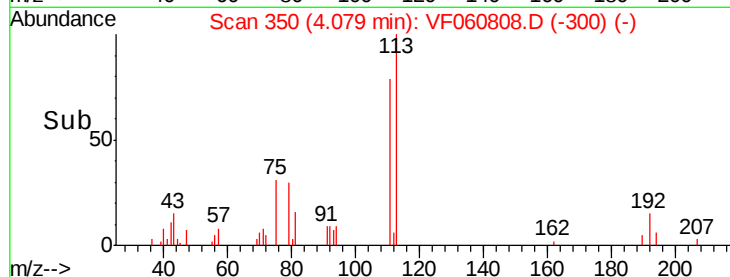
71 0.0 32.2 48.2#



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



#31

Cyclohexane

Concen: 1.402 ug/l

RT: 3.76 min Scan# 318

Delta R.T. 0.05 min

Lab File: VF060808.D

Acq: 20 Nov 2018 17:44

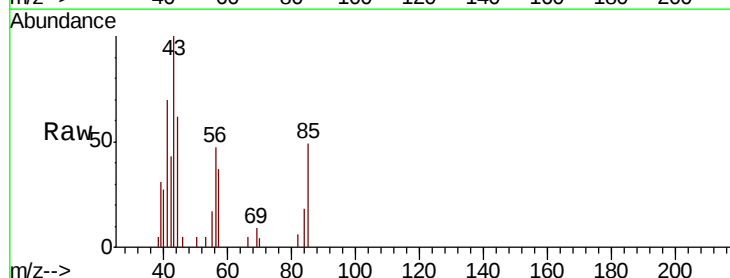
Tgt Ion: 56 Resp: 5743

Ion Ratio Lower Upper

56 100

69 19.2 26.0 39.0#

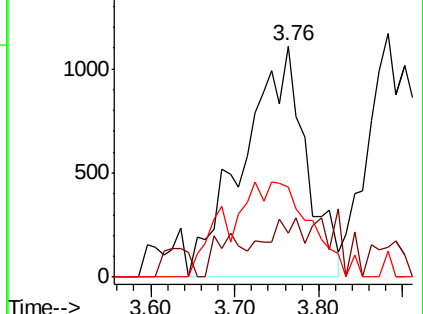
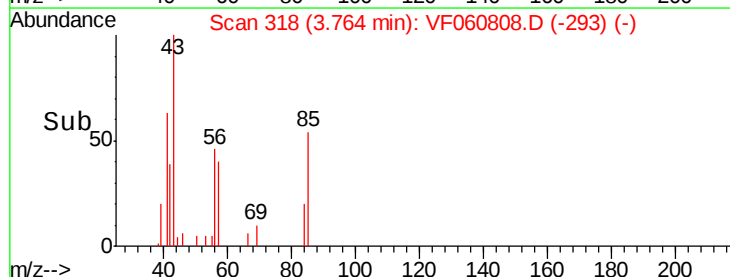
84 38.9 69.4 104.2#

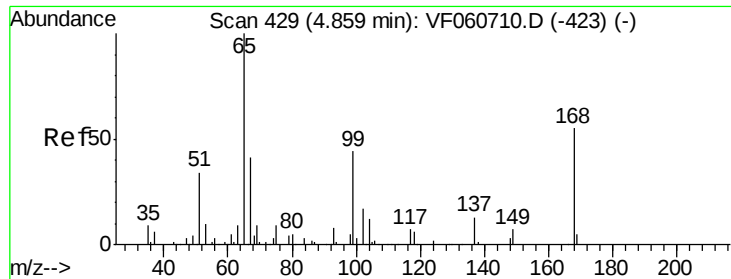


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0

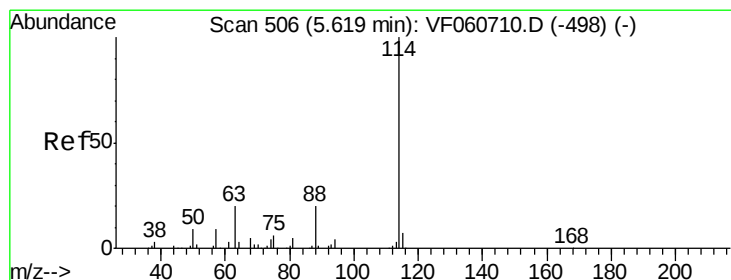
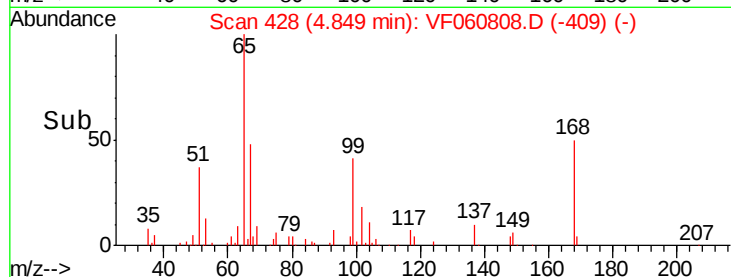
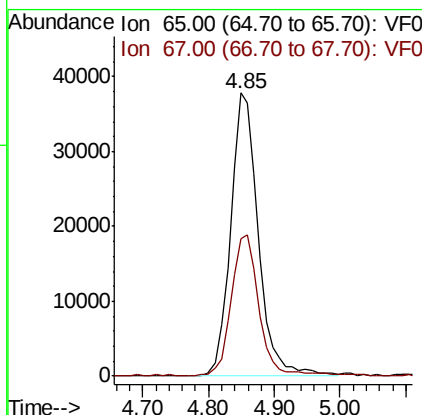
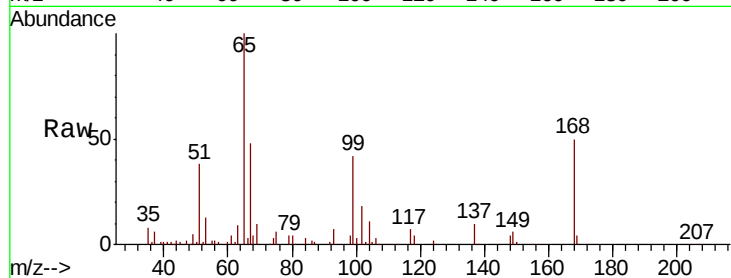




#33
 1,2-Dichloroethane-d4
 Concen: 48.349 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. -0.01 min
 Lab File: VF060808.D
 Acq: 20 Nov 2018 17:44

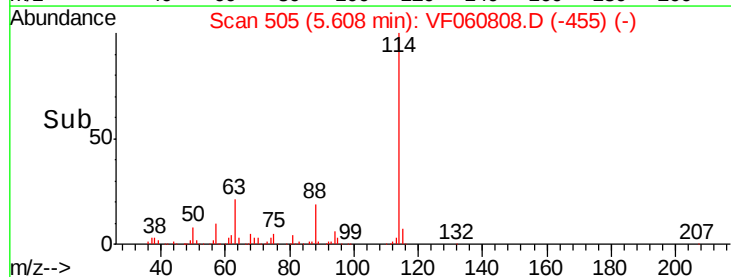
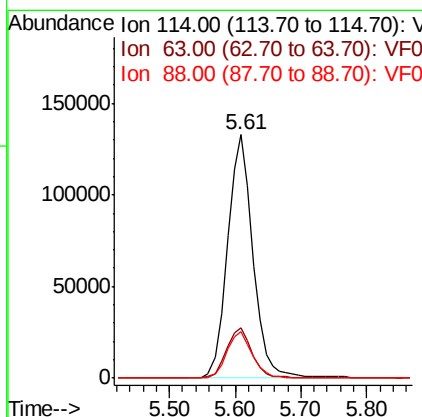
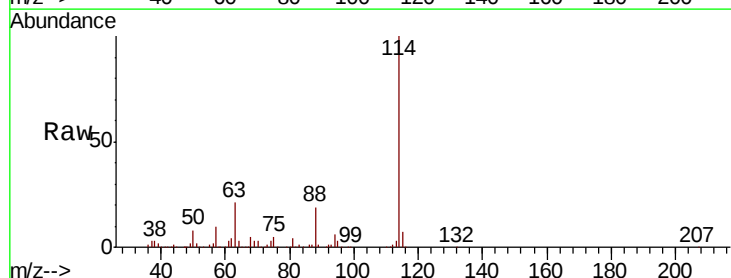
Instrument :
 MSVOA_F
 ClientSampleId :

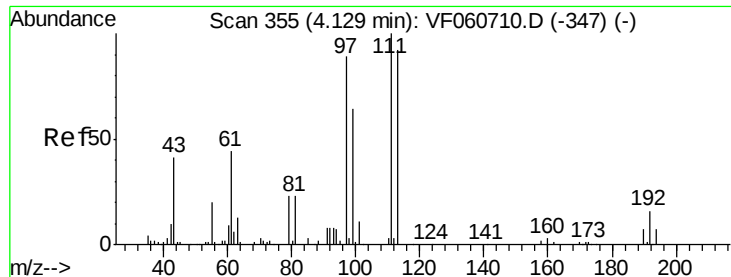
Tot Ion: 65 Resp: 111450
 Ion Ratio Lower Upper
 65 100
 67 48.5 0.0 90.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. -0.01 min
 Lab File: VF060808.D
 Acq: 20 Nov 2018 17:44

Tgt Ion: 114 Resp: 358980
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 40.8
 88 19.1 0.0 39.6

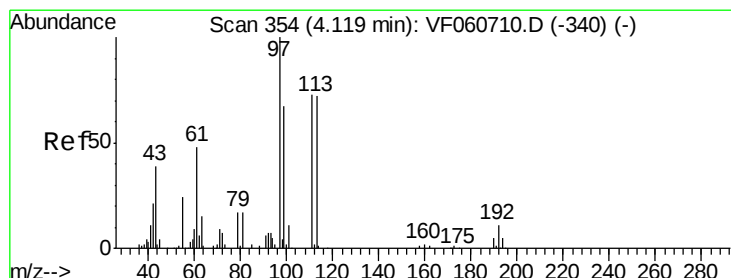
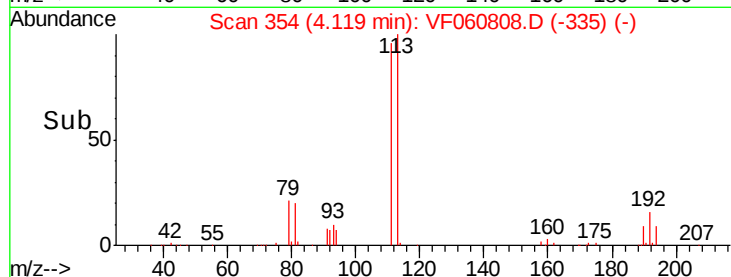
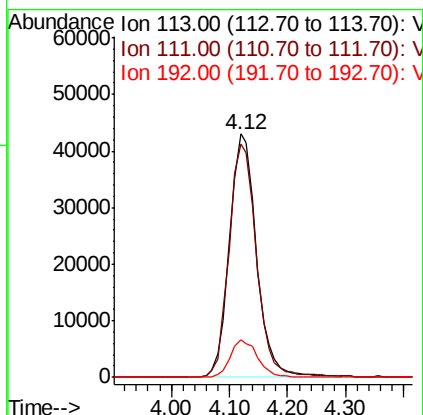
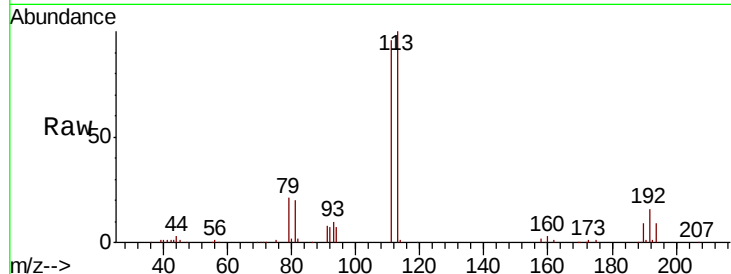




#35
Dibromofluoromethane
Concen: 51.694 ug/l
RT: 4.12 min Scan# 354
Delta R.T. -0.01 min
Lab File: VF060808.D
Acq: 20 Nov 2018 17:44

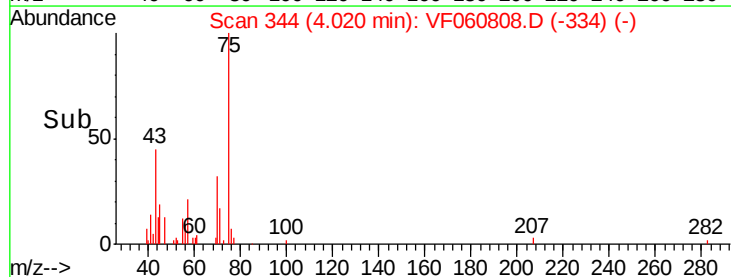
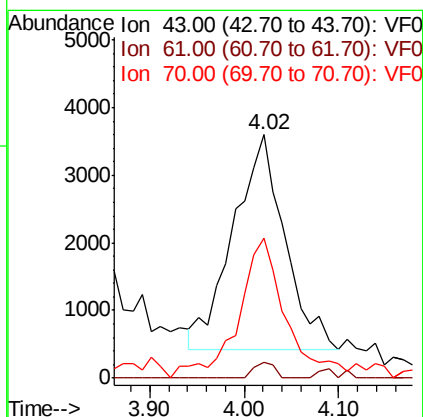
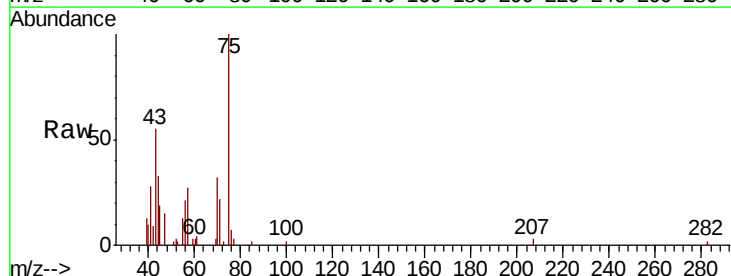
Instrument :
MSVOA_F
ClientSampled :

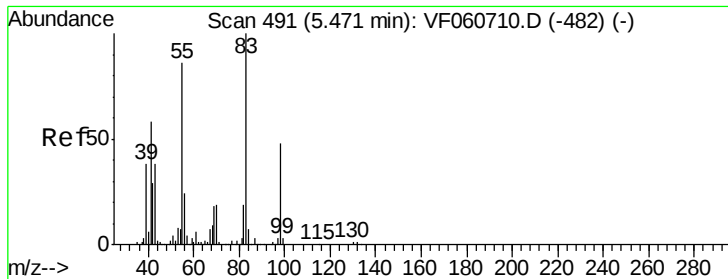
Tot Ion:113 Resp: 139492
Ion Ratio Lower Upper
113 100
111 95.8 87.1 130.7
192 16.5 13.8 20.6



#37
Ethyl Acetate
Concen: 7.808 ug/l
RT: 4.02 min Scan# 344
Delta R.T. -0.10 min
Lab File: VF060808.D
Acq: 20 Nov 2018 17:44

Tgt Ion: 43 Resp: 12086
Ion Ratio Lower Upper
43 100
61 6.7 98.5 147.7#
70 57.4 7.4 11.0#

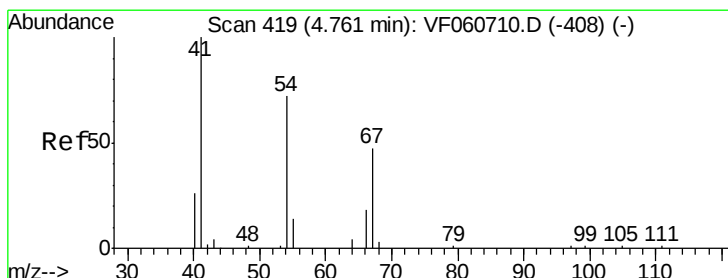
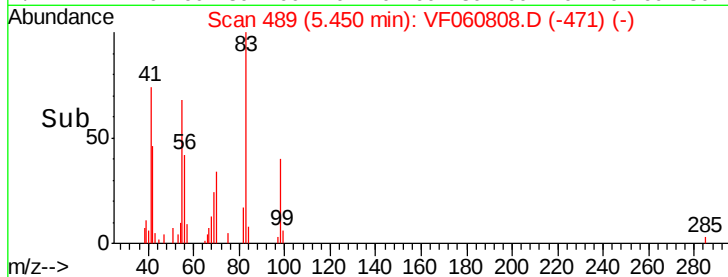
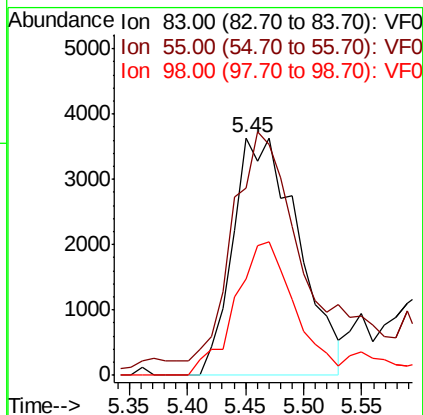
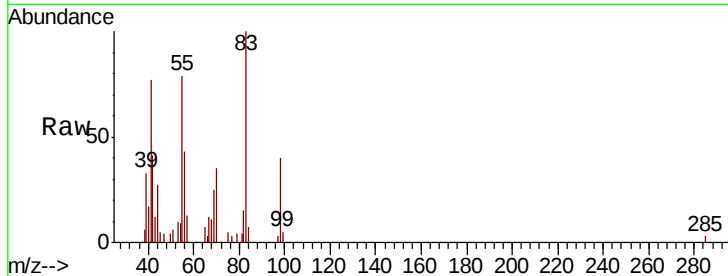




#39
Methylcyclohexane
Concen: 2.934 ug/l
RT: 5.45 min Scan# 489
Delta R.T. -0.02 min
Lab File: VF060808.D
Acq: 20 Nov 2018 17:44

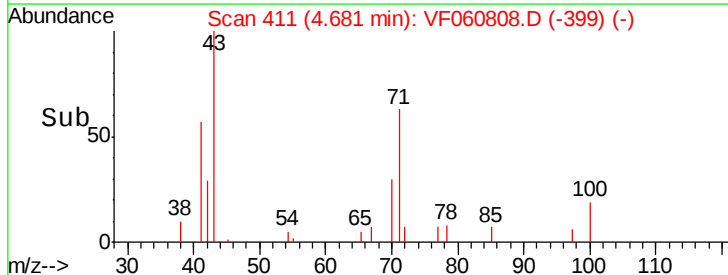
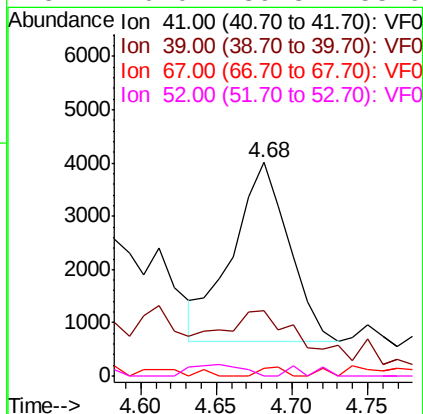
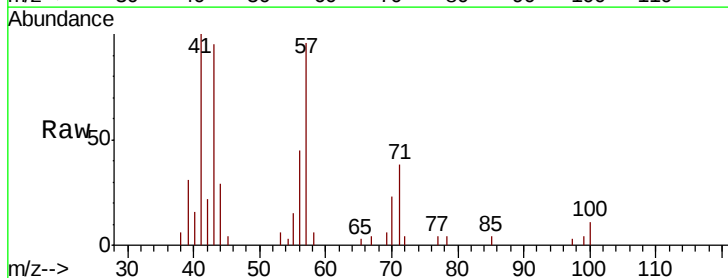
Instrument :
MSVOA_F
ClientSampled :

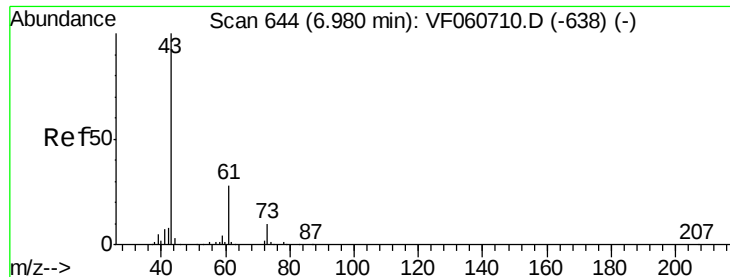
Tot Ion: 83 Resp: 14173
Ion Ratio Lower Upper
83 100
55 78.9 69.0 103.4
98 40.4 38.5 57.7



#41
Methacrylonitrile
Concen: 6.767 ug/l
RT: 4.68 min Scan# 411
Delta R.T. -0.08 min
Lab File: VF060808.D
Acq: 20 Nov 2018 17:44

Tgt Ion: 41 Resp: 8674
Ion Ratio Lower Upper
41 100
39 30.8 47.1 70.7#
67 3.7 37.1 55.7#
52 0.0 39.3 58.9#



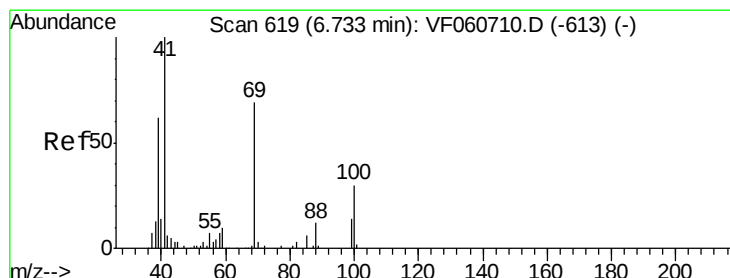
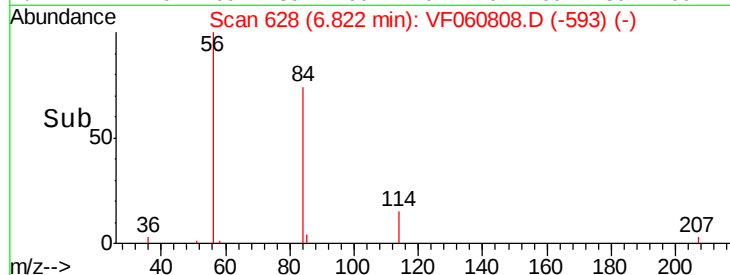
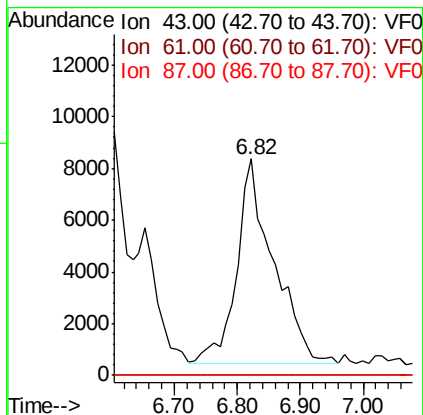
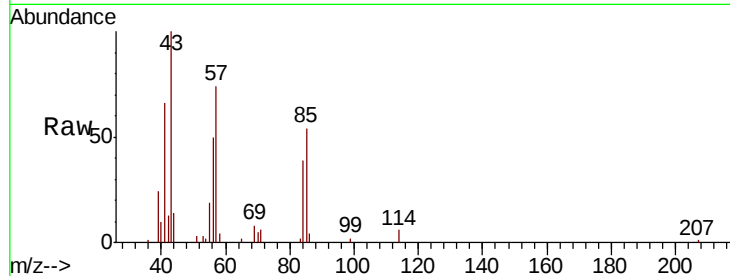


#43

Isopropyl Acetate
 Concen: 15.478 ug/l
 RT: 6.82 min Scan# 628
 Delta R.T. -0.16 min
 Lab File: VF060808.D
 Acq: 20 Nov 2018 17:44

Instrument :
 MSVOA_F
 ClientSampleId :

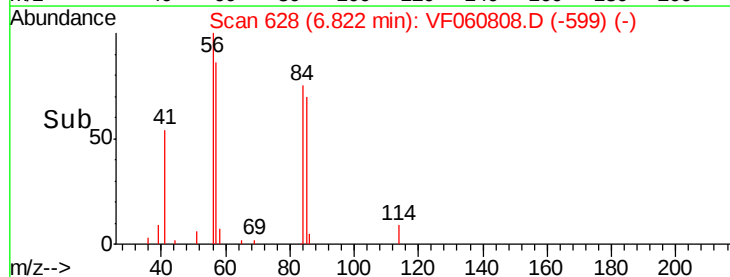
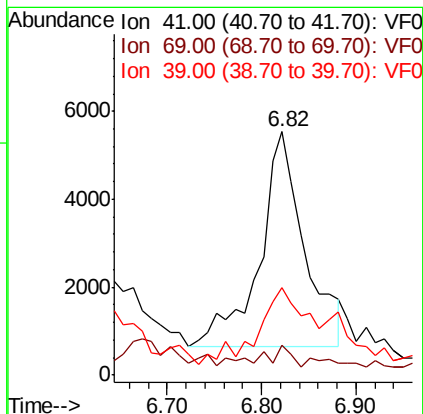
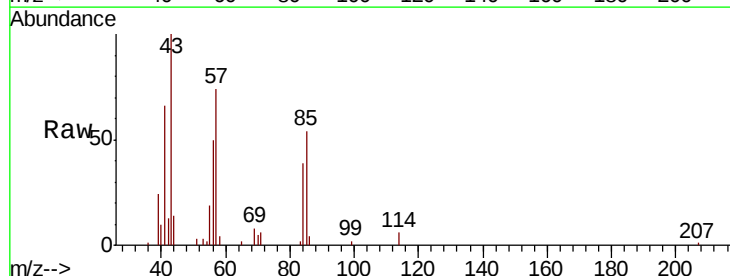
Tot Ion: 43 Resp: 31765
 Ion Ratio Lower Upper
 43 100
 61 0.0 22.2 33.4#
 87 0.0 0.4 0.6#

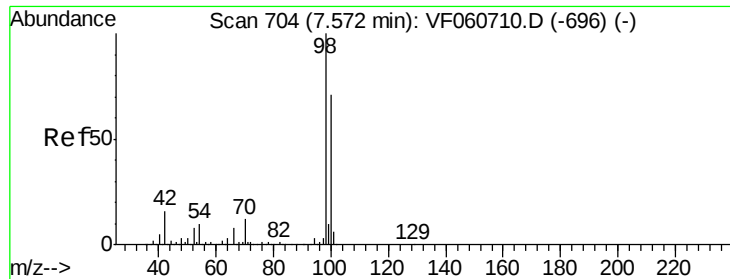


#48

Methyl methacrylate
 Concen: 11.919 ug/l
 RT: 6.82 min Scan# 628
 Delta R.T. 0.09 min
 Lab File: VF060808.D
 Acq: 20 Nov 2018 17:44

Tgt Ion: 41 Resp: 16189
 Ion Ratio Lower Upper
 41 100
 69 12.2 54.9 82.3#
 39 36.0 49.6 74.4#





#50

Toluene-d8

Concen: 44.681 ug/l

RT: 7.56 min Scan# 703

Delta R.T. -0.01 min

Lab File: VF060808.D

Acq: 20 Nov 2018 17:44

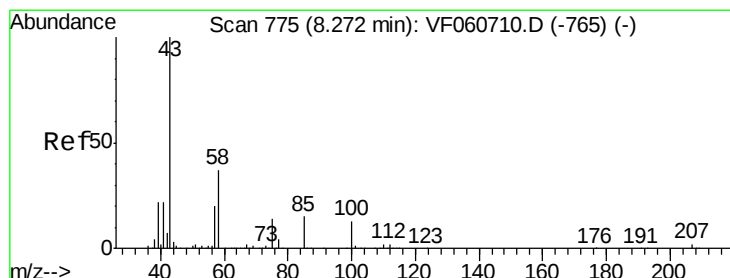
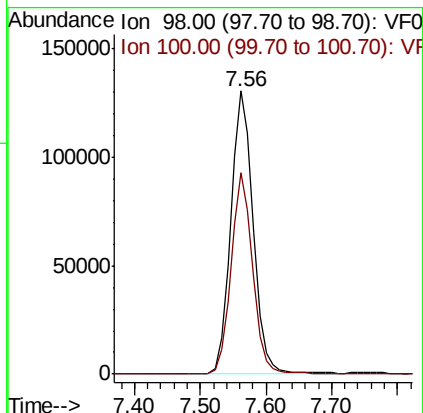
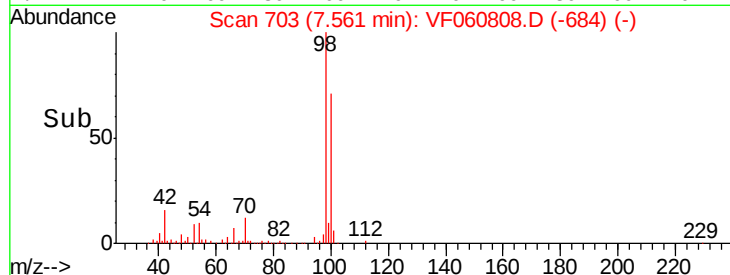
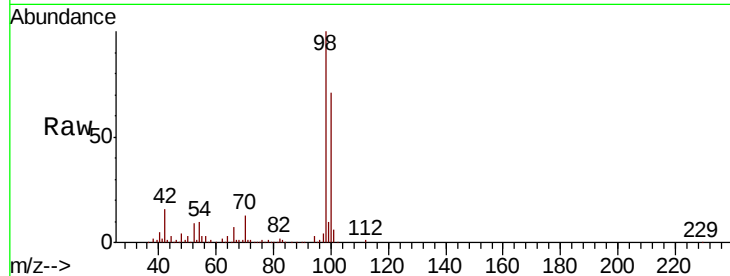
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 98 Resp: 312098

Ion Ratio Lower Upper

98 100

100 71.4 56.5 84.7



#51

4-Methyl-2-Pentanone

Concen: 14.517 ug/l

RT: 8.28 min Scan# 776

Delta R.T. 0.01 min

Lab File: VF060808.D

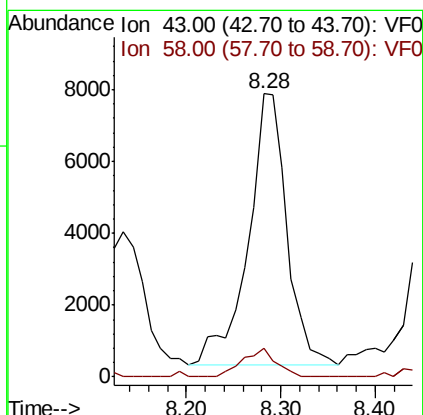
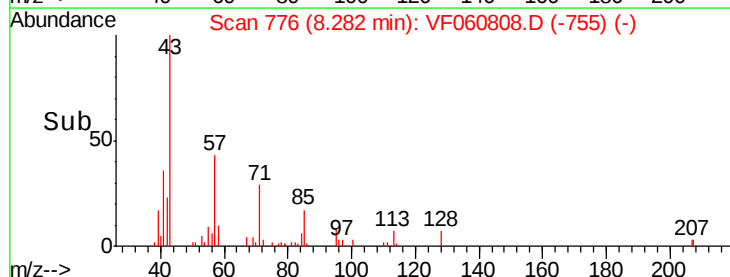
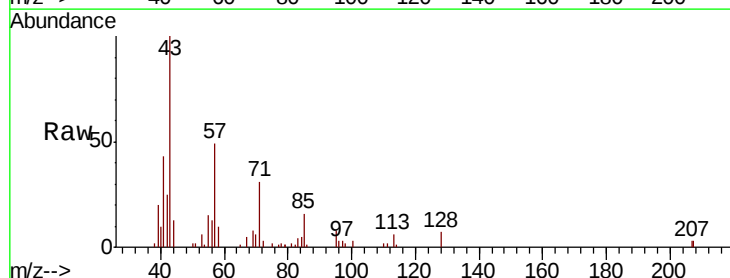
Acq: 20 Nov 2018 17:44

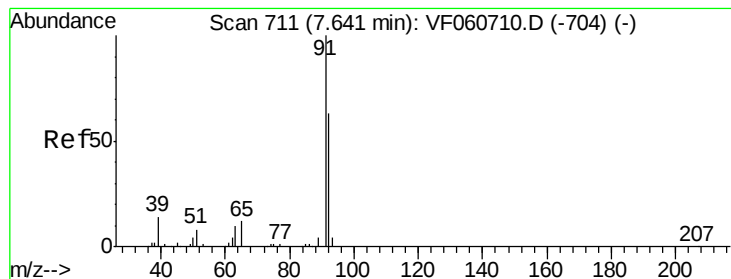
Tgt Ion: 43 Resp: 21547

Ion Ratio Lower Upper

43 100

58 10.0 29.2 43.8#





#52

Toluene

Concen: 2.275 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.01 min

Lab File: VF060808.D

Acq: 20 Nov 2018 17:44

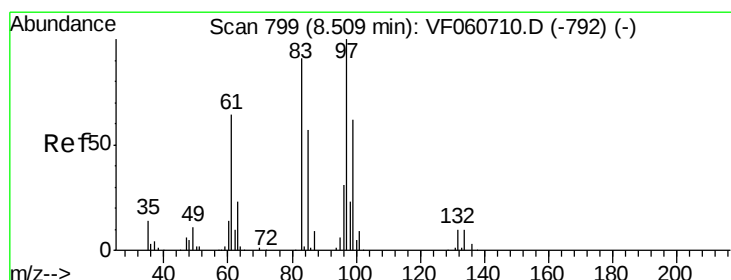
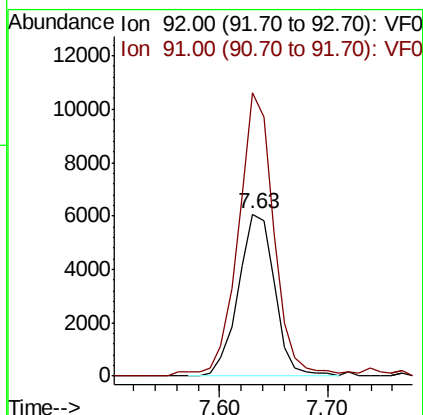
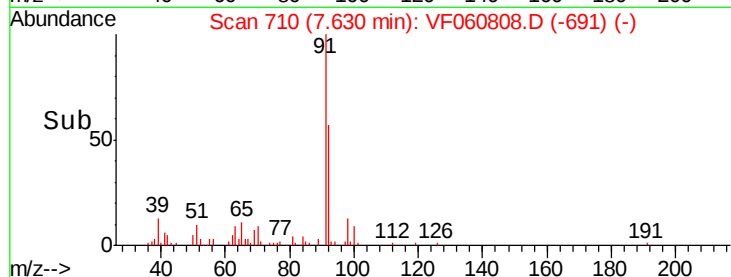
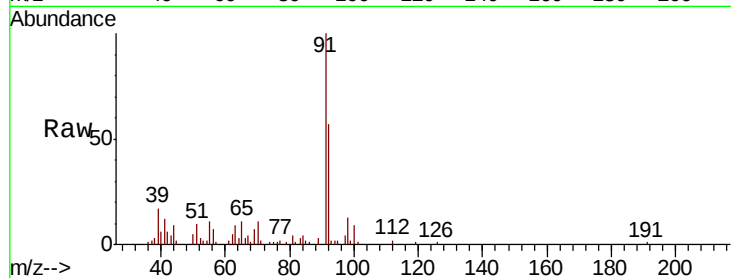
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 92 Resp: 14150

Ion Ratio Lower Upper

92 100

91 174.5 126.7 190.1



#55

1,1,2-Trichloroethane

Concen: 5.167 ug/l

RT: 8.40 min Scan# 788

Delta R.T. -0.11 min

Lab File: VF060808.D

Acq: 20 Nov 2018 17:44

Tgt Ion: 97 Resp: 9182

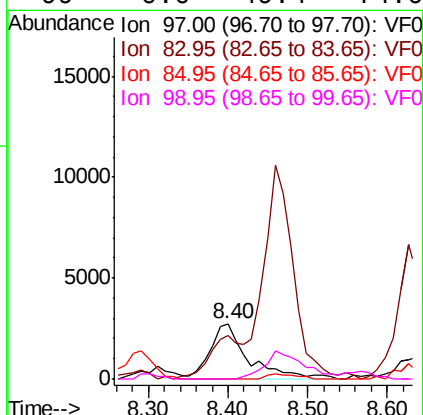
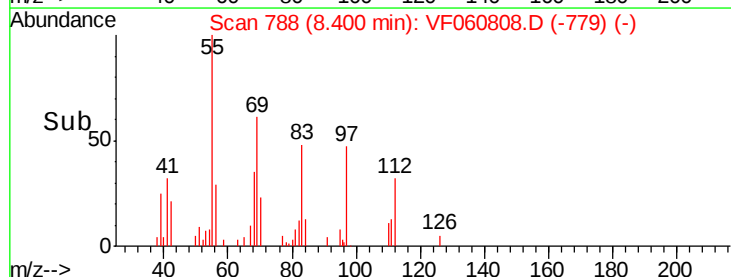
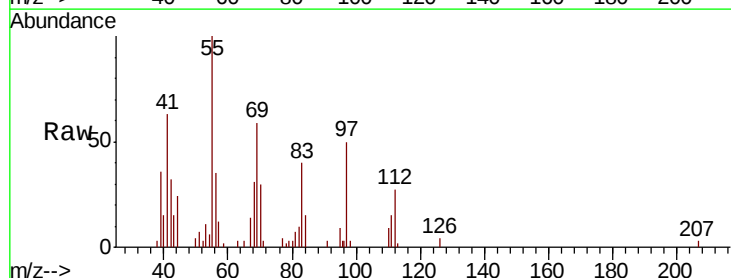
Ion Ratio Lower Upper

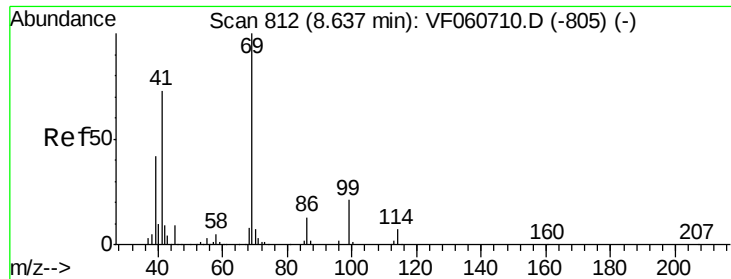
97 100

83 78.9 72.8 109.2

85 0.0 45.8 68.6#

99 0.0 49.4 74.0#

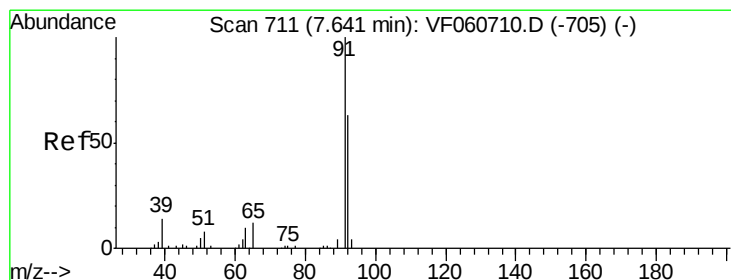
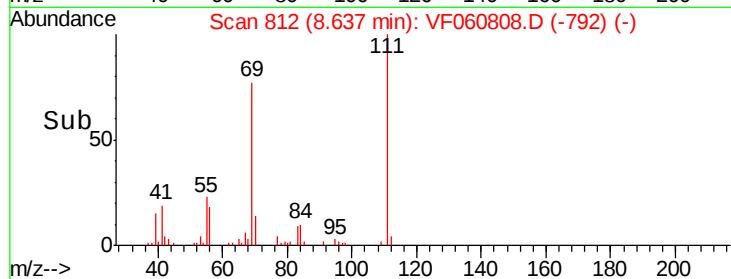
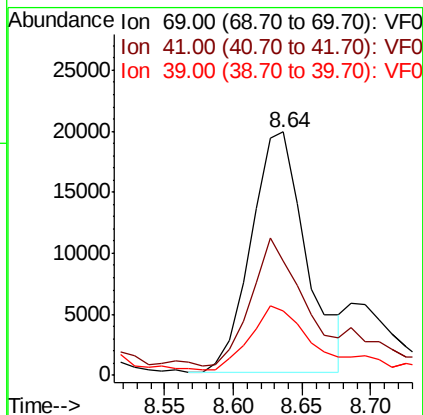
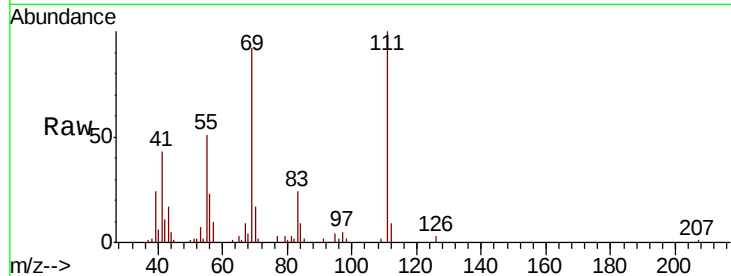




#56
Ethyl methacrylate
Concen: 27.255 ug/l
RT: 8.64 min Scan# 812
Delta R.T. -0.00 min
Lab File: VF060808.D
Acq: 20 Nov 2018 17:44

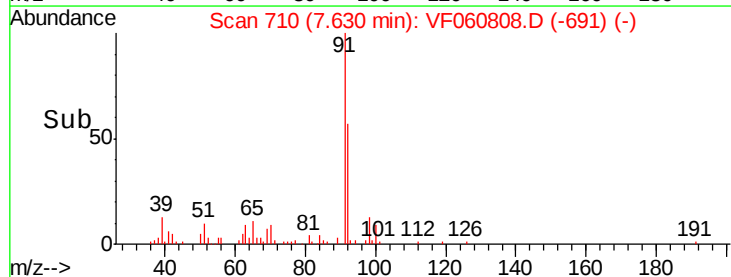
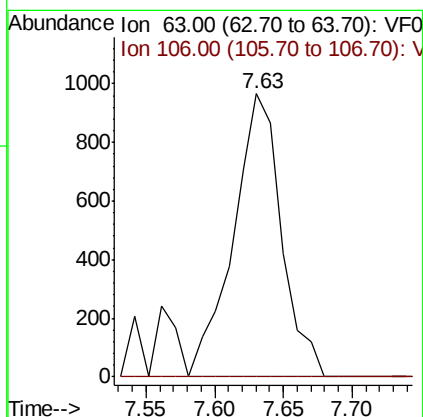
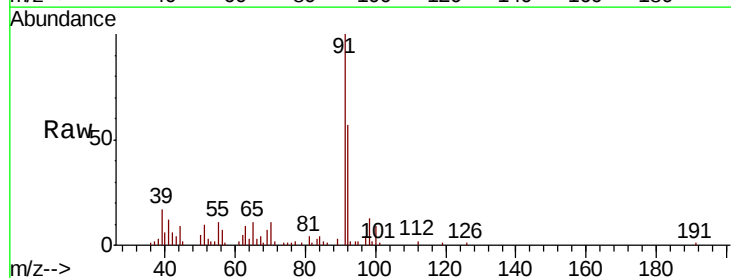
Instrument :
MSVOA_F
ClientSampled :

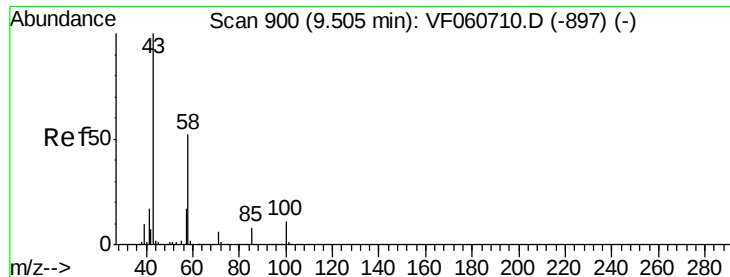
Tot Ion: 69 Resp: 55002
Ion Ratio Lower Upper
69 100
41 46.7 59.0 88.6#
39 26.3 34.0 51.0#



#58
2-Chloroethyl Vinyl ether
Concen: 12.775 ug/l
RT: 7.63 min Scan# 710
Delta R.T. -0.01 min
Lab File: VF060808.D
Acq: 20 Nov 2018 17:44

Tgt Ion: 63 Resp: 2355
Ion Ratio Lower Upper
63 100
106 0.0 0.0 0.0





#59

2-Hexanone

Concen: 14.654 ug/l

RT: 9.51 min Scan# 901

Delta R.T. 0.01 min

Lab File: VF060808.D

Acq: 20 Nov 2018 17:44

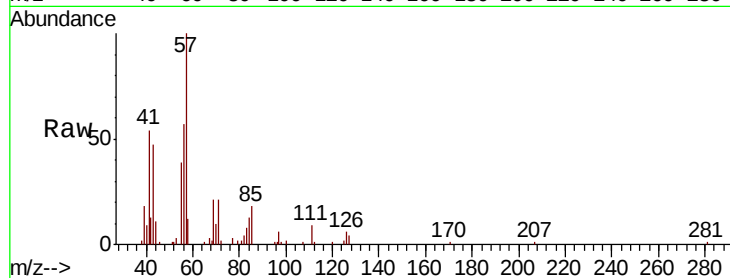
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 15286

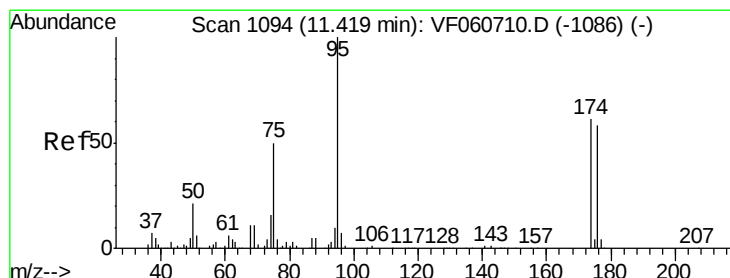
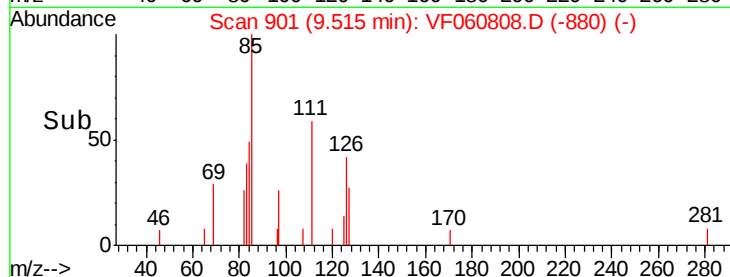
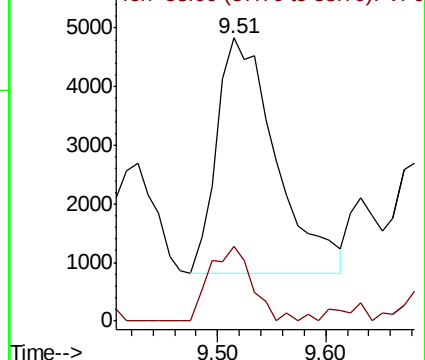
Ion Ratio Lower Upper

43 100

58 26.3 24.9 74.7



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0



#62

4-Bromofluorobenzene

Concen: 48.586 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF060808.D

Acq: 20 Nov 2018 17:44

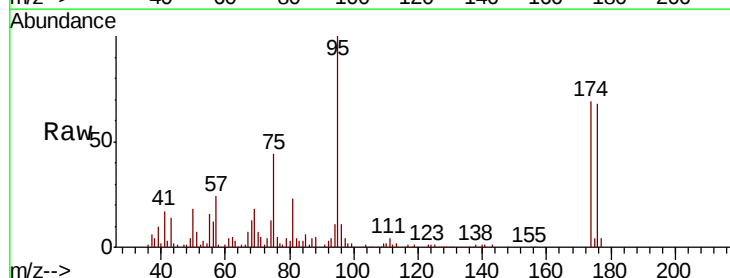
Tgt Ion: 95 Resp: 155514

Ion Ratio Lower Upper

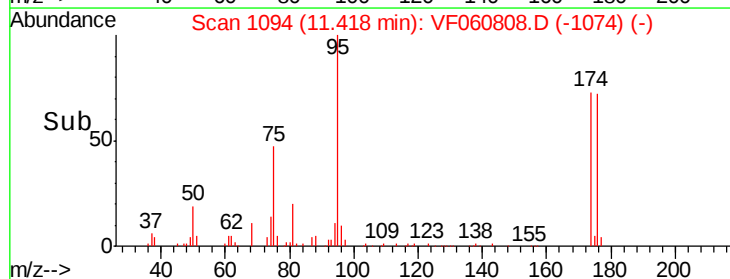
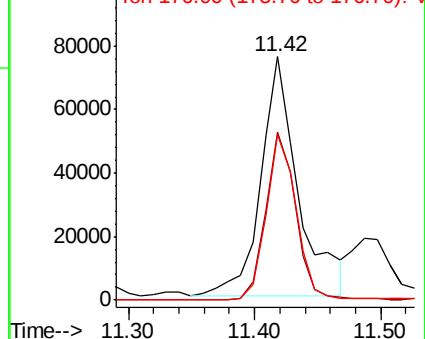
95 100

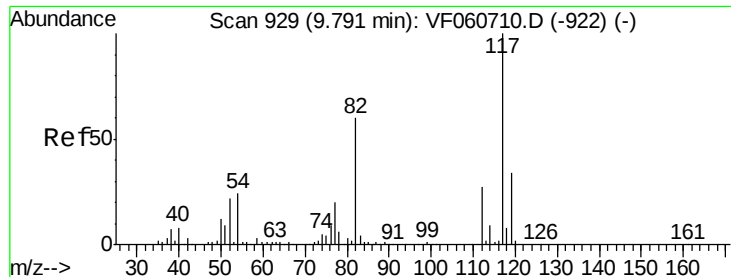
174 69.2 0.0 121.6

176 68.1 0.0 115.2



Abundance Ion 95.00 (94.70 to 95.70): VF0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

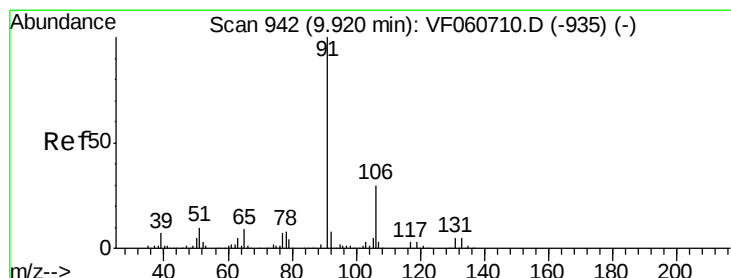
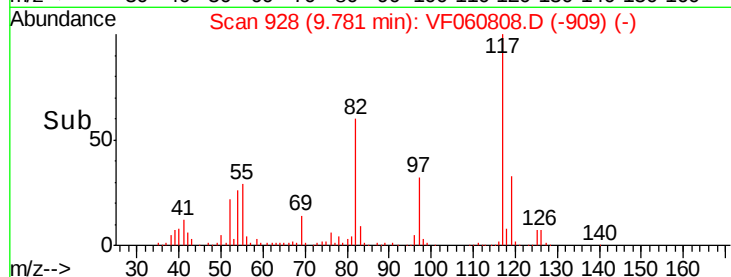
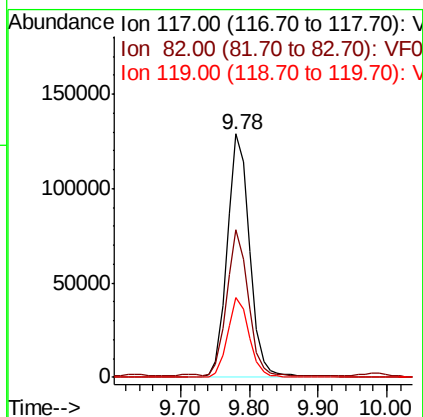
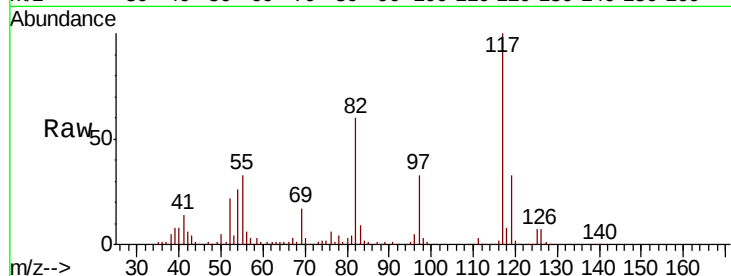




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF060808.D
Acq: 20 Nov 2018 17:44

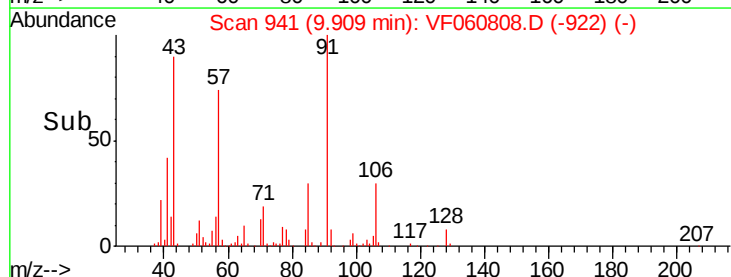
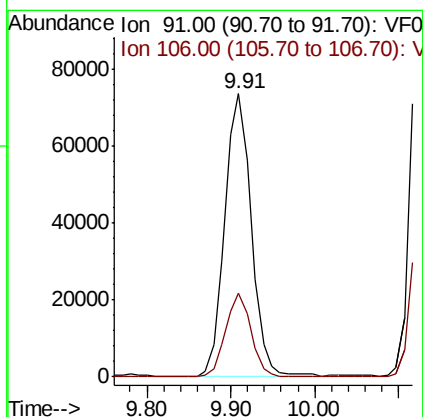
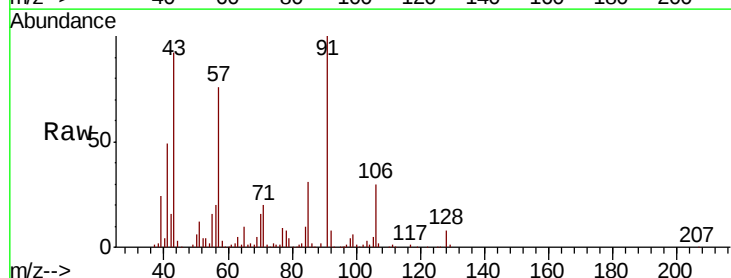
Instrument :
MSVOA_F
ClientSampleId :

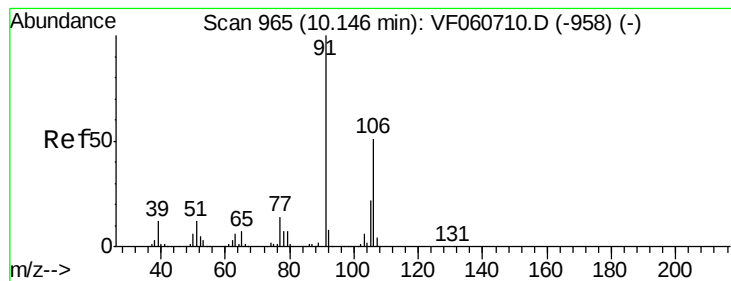
Tot Ion:117 Resp: 290941
Ion Ratio Lower Upper
117 100
82 60.4 47.9 71.9
119 32.6 26.8 40.2



#67
Ethyl Benzene
Concen: 14.632 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.01 min
Lab File: VF060808.D
Acq: 20 Nov 2018 17:44

Tgt Ion: 91 Resp: 161926
Ion Ratio Lower Upper
91 100
106 29.7 23.9 35.9





#68

m/p-Xylenes

Concen: 71.245 ug/l

RT: 10.14 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF060808.D

Acq: 20 Nov 2018 17:44

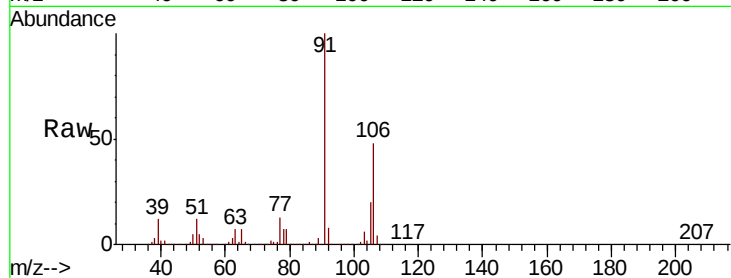
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:106 Resp: 281761

Ion Ratio Lower Upper

106 100

91 207.7 158.2 237.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

300000

250000

200000

150000

100000

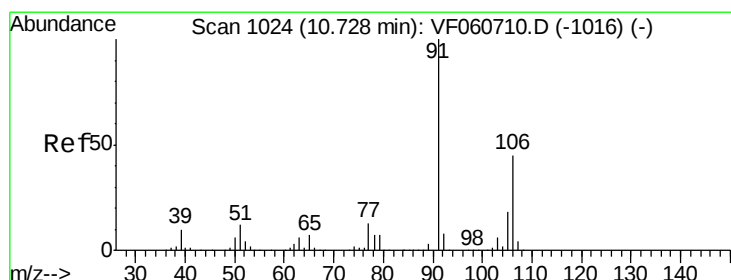
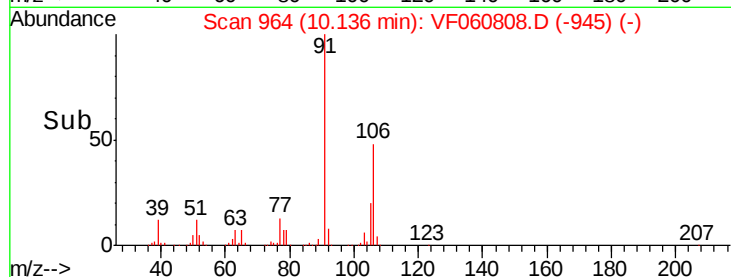
50000

0

10.14

10.10 10.20

Time-->



#69

o-Xylene

Concen: 25.132 ug/l

RT: 10.72 min Scan# 1023

Delta R.T. -0.01 min

Lab File: VF060808.D

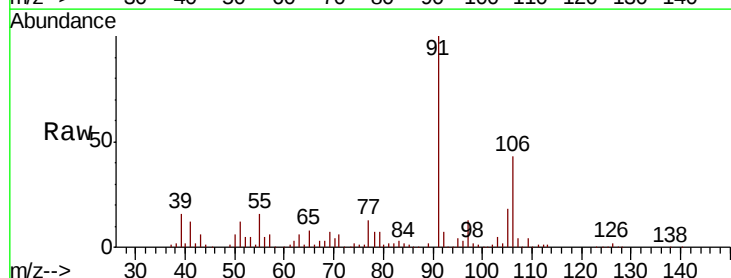
Acq: 20 Nov 2018 17:44

Tgt Ion:106 Resp: 111746

Ion Ratio Lower Upper

106 100

91 230.9 110.3 330.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

150000

100000

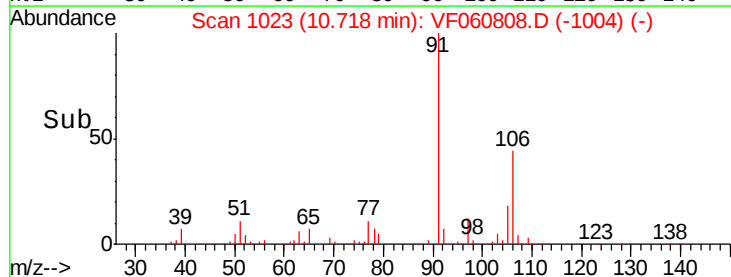
50000

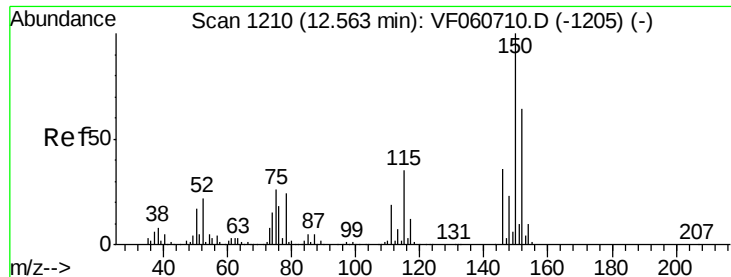
0

10.72

10.60 10.80 10.90

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. -0.00 min

Lab File: VF060808.D

Acq: 20 Nov 2018 17:44

Instrument :

MSVOA_F

ClientSampled :

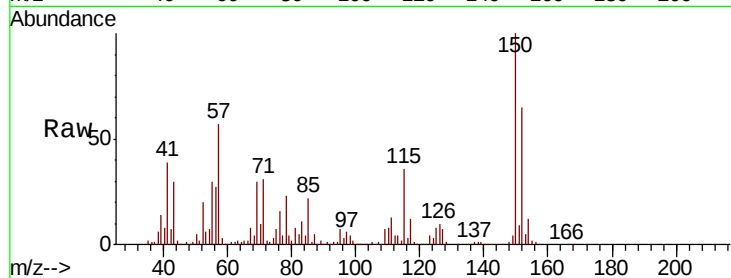
Tot Ion:152 Resp: 117093

Ion Ratio Lower Upper

152 100

115 55.2 27.9 83.7

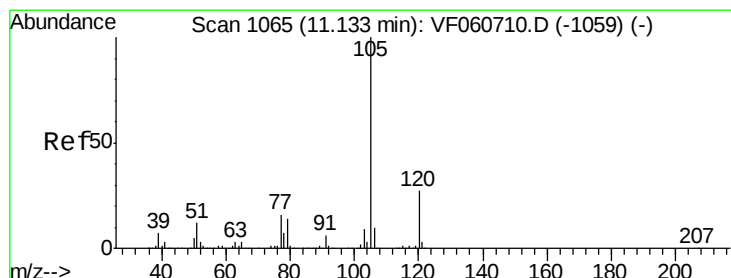
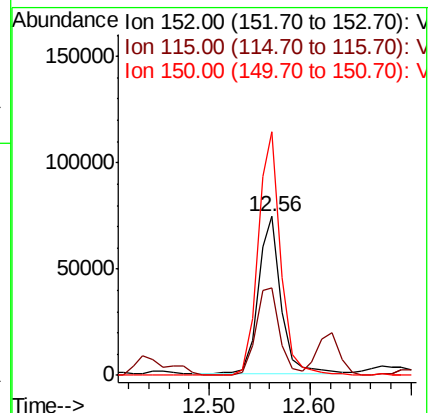
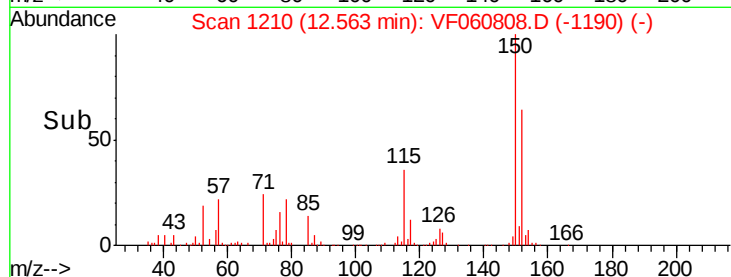
150 153.1 0.0 316.4



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



#73

Isopropylbenzene

Concen: 4.899 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VF060808.D

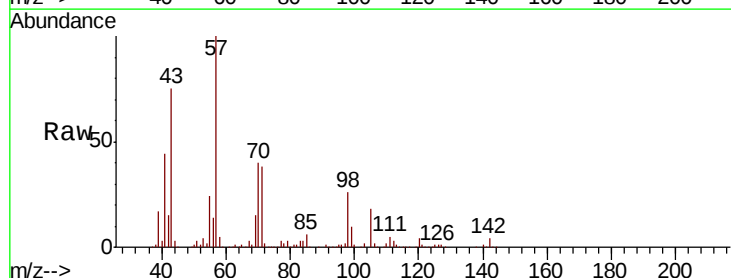
Acq: 20 Nov 2018 17:44

Tgt Ion:105 Resp: 46178

Ion Ratio Lower Upper

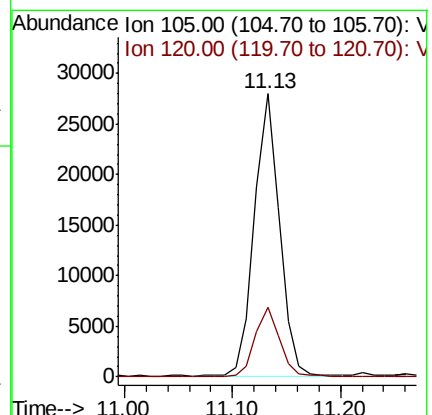
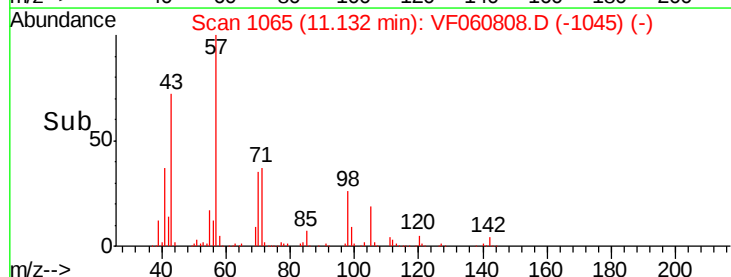
105 100

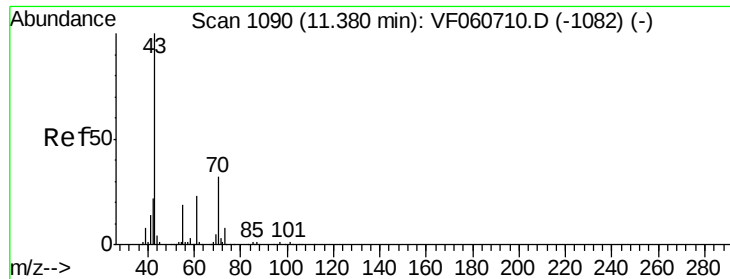
120 24.4 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 20.699 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. 0.02 min

Lab File: VF060808.D

Acq: 20 Nov 2018 17:44

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 43 Resp: 44413

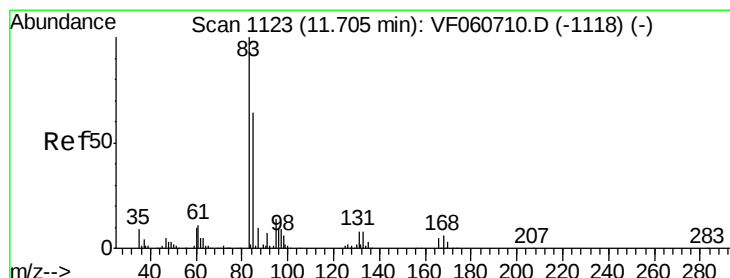
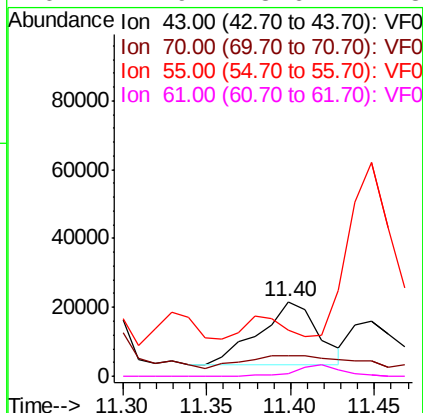
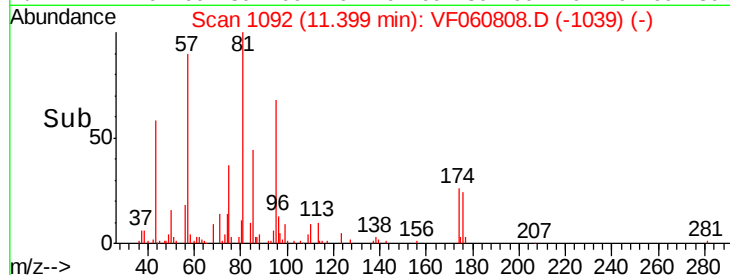
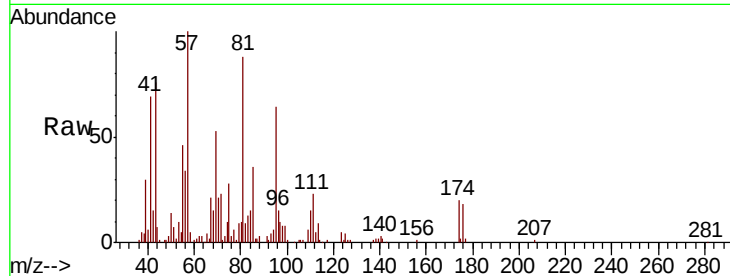
Ion Ratio Lower Upper

43 100

70 27.7 25.5 38.3

55 61.0 14.9 22.3#

61 2.9 18.6 27.8#



#75

1,1,2,2-Tetrachloroethane

Concen: 37.237 ug/l

RT: 11.67 min Scan# 1120

Delta R.T. -0.03 min

Lab File: VF060808.D

Acq: 20 Nov 2018 17:44

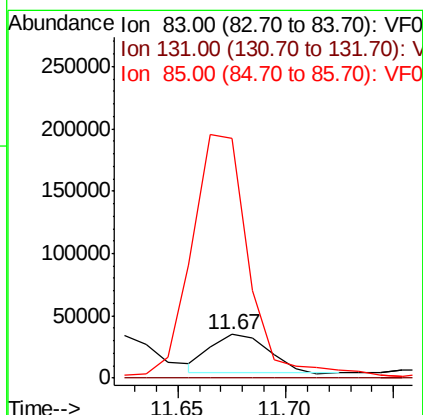
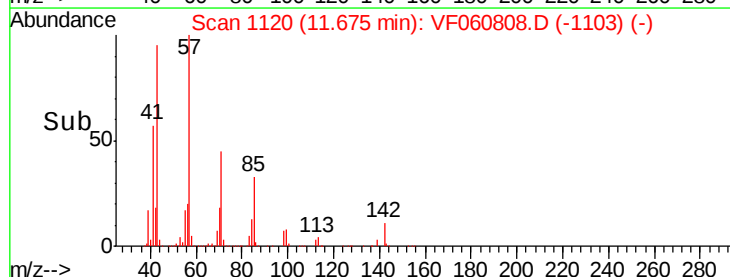
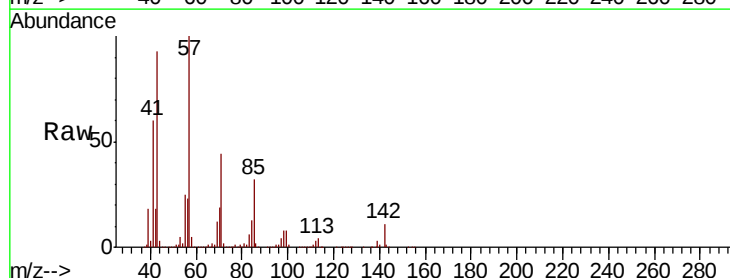
Tgt Ion: 83 Resp: 58025

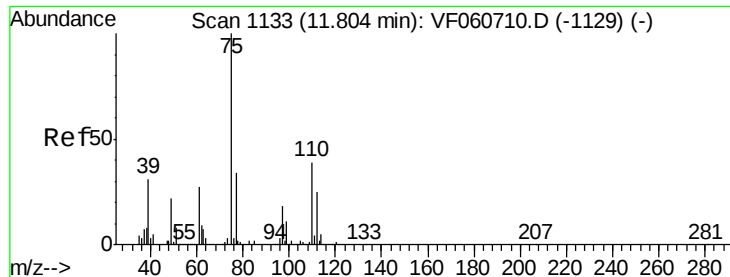
Ion Ratio Lower Upper

83 100

131 0.0 4.2 12.4#

85 549.6 32.0 96.2#





#76

1,2,3-Trichloropropane

Concen: 9.339 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. 0.03 min

Lab File: VF060808.D

Acq: 20 Nov 2018 17:44

Instrument :

MSVOA_F

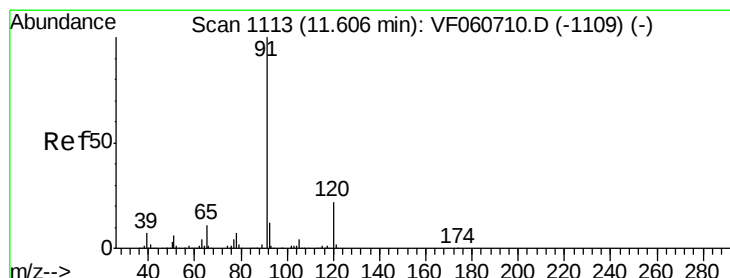
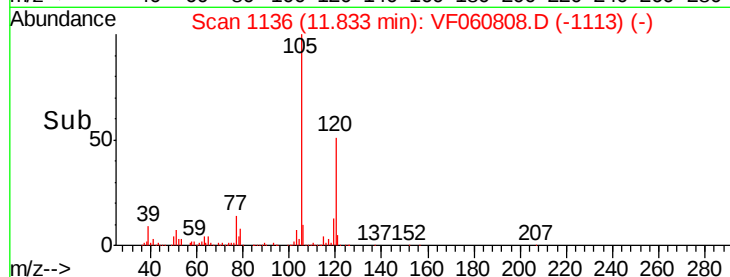
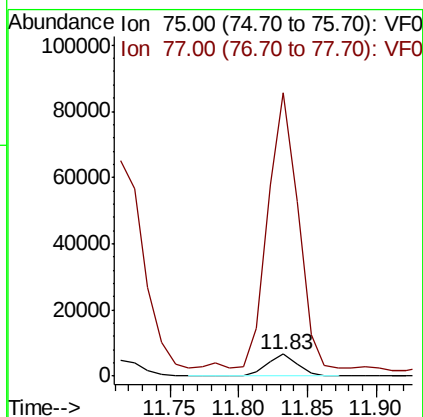
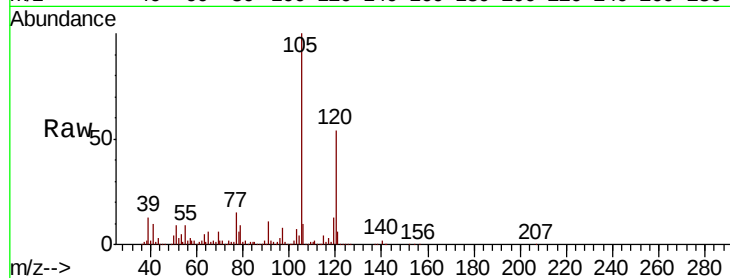
ClientSampleId :

Tot Ion: 75 Resp: 10808

Ion Ratio Lower Upper

75 100

77 1280.3 17.0 51.0#



#78

n-propylbenzene

Concen: 16.077 ug/l

RT: 11.61 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF060808.D

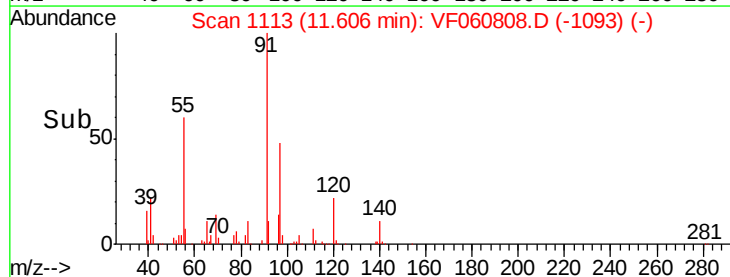
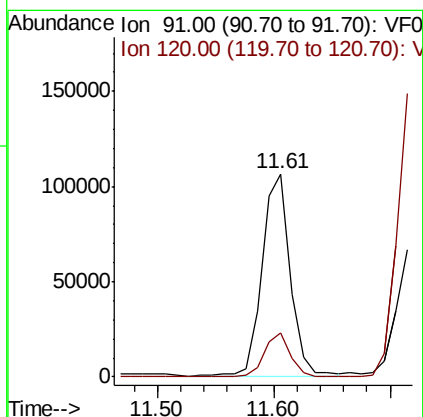
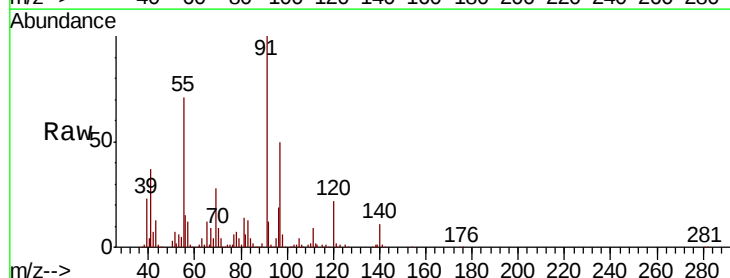
Acq: 20 Nov 2018 17:44

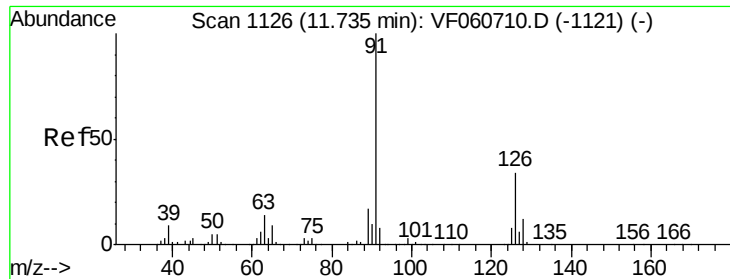
Tgt Ion: 91 Resp: 176723

Ion Ratio Lower Upper

91 100

120 21.7 11.2 33.5

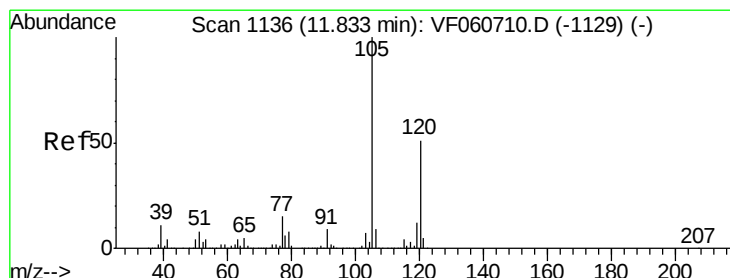
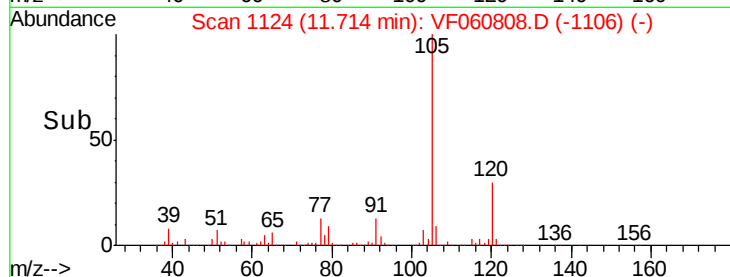
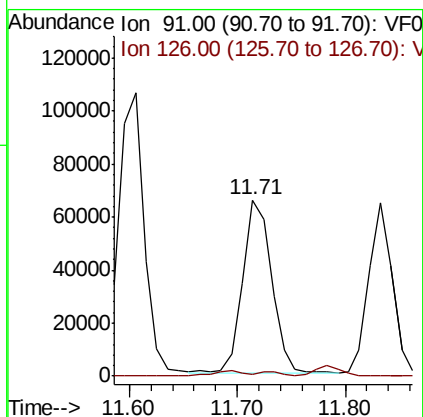
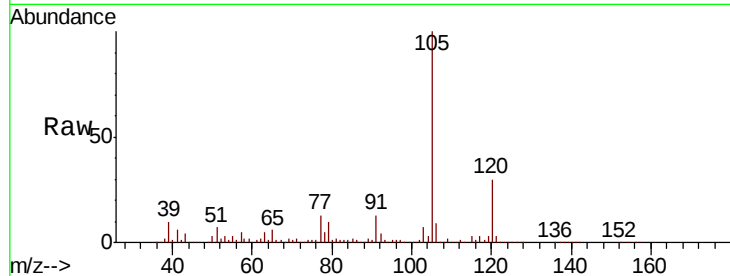




#79
 2-Chlorotoluene
 Concen: 19.165 ug/l
 RT: 11.71 min Scan# 1124
 Delta R.T. -0.02 min
 Lab File: VF060808.D
 Acq: 20 Nov 2018 17:44

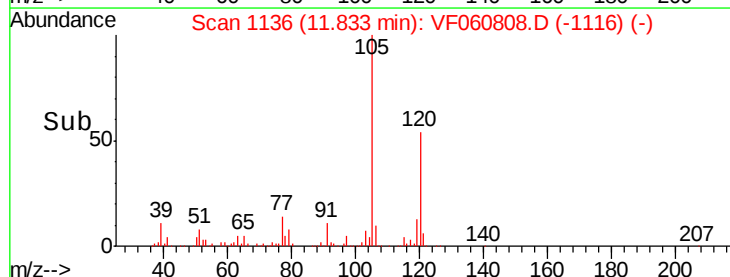
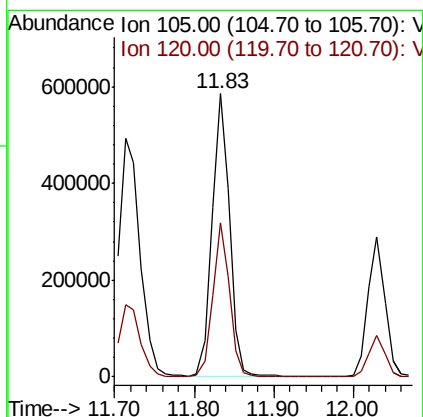
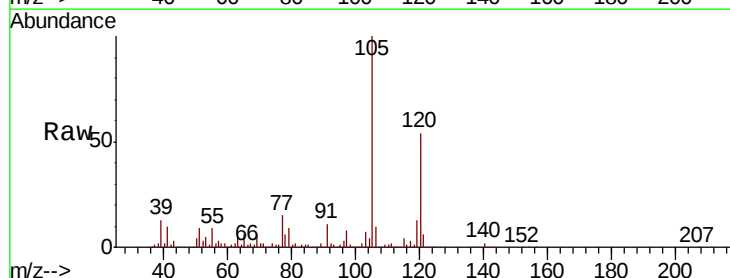
Instrument :
 MSVOA_F
 ClientSampled :

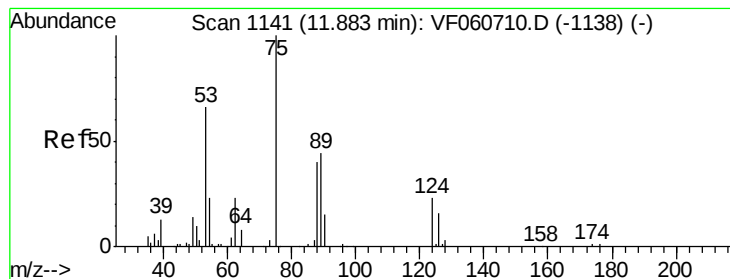
Tot Ion: 91 Resp: 122445
 Ion Ratio Lower Upper
 91 100
 126 1.2 16.8 50.4#



#80
 1,3,5-Trimethylbenzene
 Concen: 121.087 ug/l
 RT: 11.83 min Scan# 1136
 Delta R.T. -0.00 min
 Lab File: VF060808.D
 Acq: 20 Nov 2018 17:44

Tgt Ion: 105 Resp: 906069
 Ion Ratio Lower Upper
 105 100
 120 54.3 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.009 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. -0.05 min

Lab File: VF060808.D

Acq: 20 Nov 2018 17:44

Instrument :

MSVOA_F

ClientSampleId :

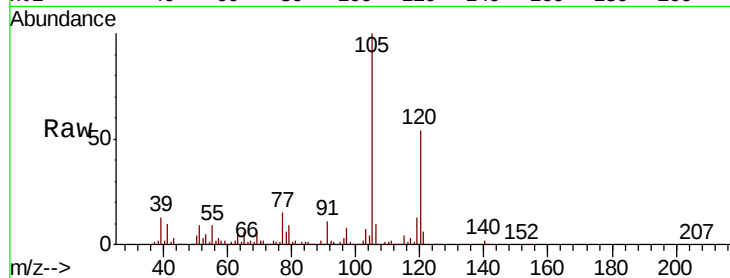
Tot Ion: 75 Resp: 10808

Ion Ratio Lower Upper

75 100

53 397.2 57.0 85.4#

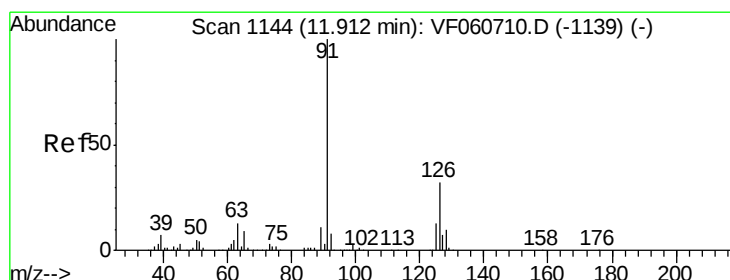
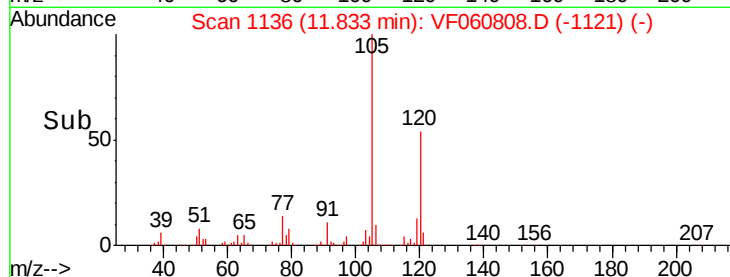
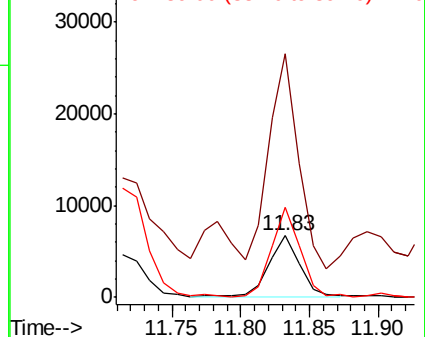
89 147.5 37.8 56.8#



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



#82

4-Chlorotoluene

Concen: 14.929 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. -0.08 min

Lab File: VF060808.D

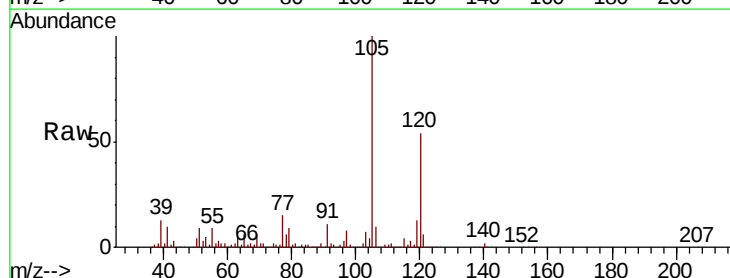
Acq: 20 Nov 2018 17:44

Tgt Ion: 91 Resp: 97713

Ion Ratio Lower Upper

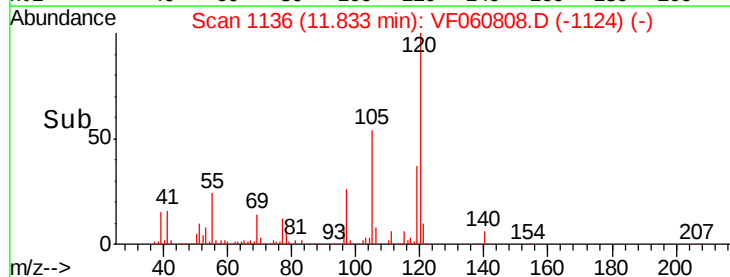
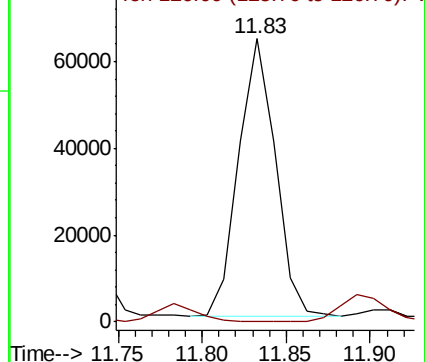
91 100

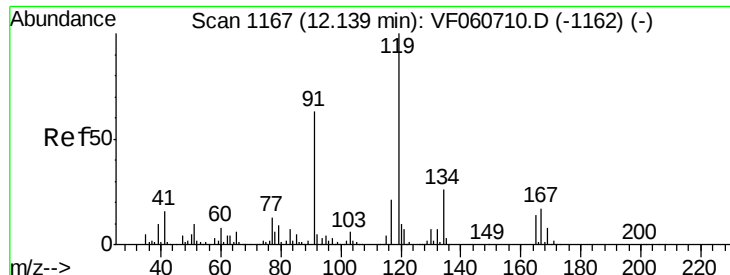
126 0.4 16.0 47.9#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

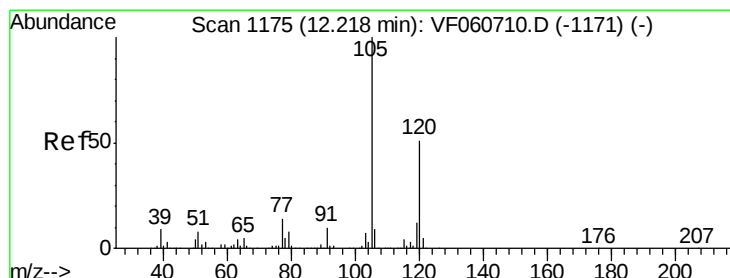
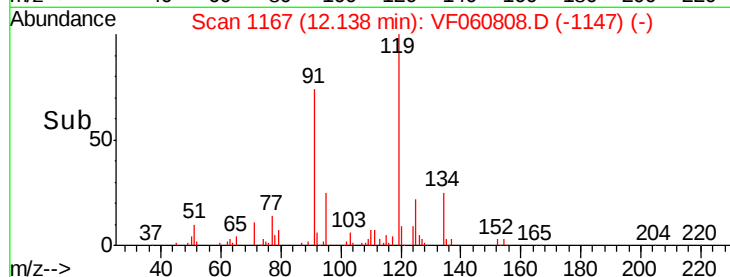
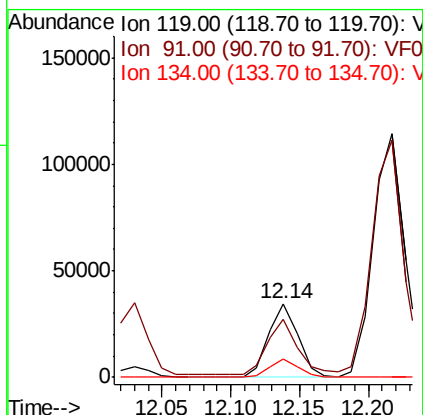
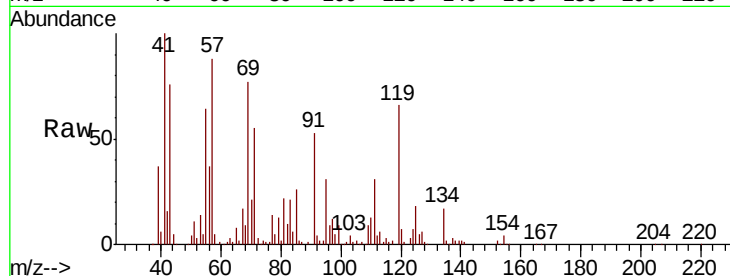




#83
tert-Butylbenzene
Concen: 6.602 ug/l
RT: 12.14 min Scan# 1167
Delta R.T. -0.00 min
Lab File: VF060808.D
Acq: 20 Nov 2018 17:44

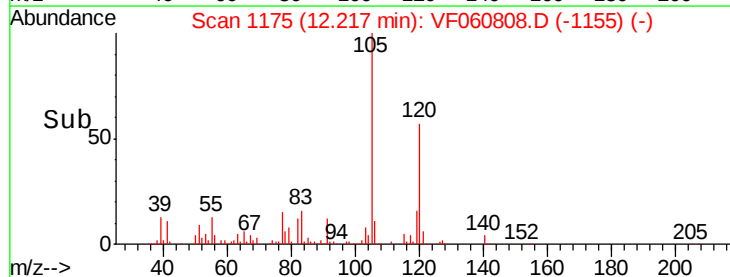
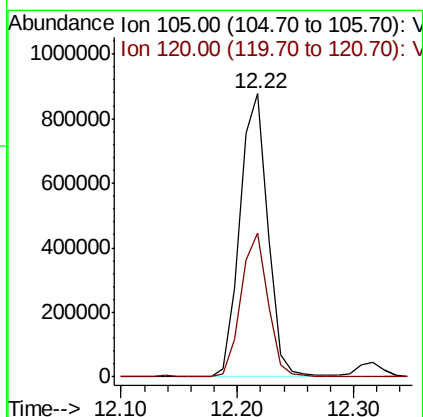
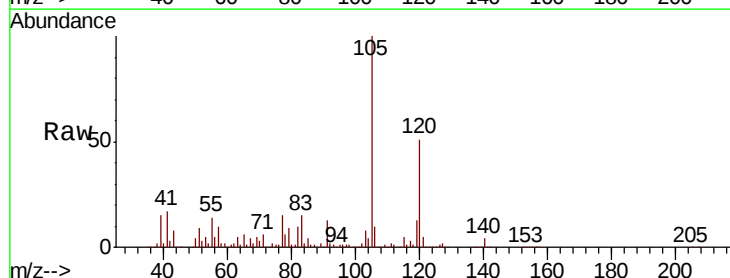
Instrument :
MSVOA_F
ClientSampled :

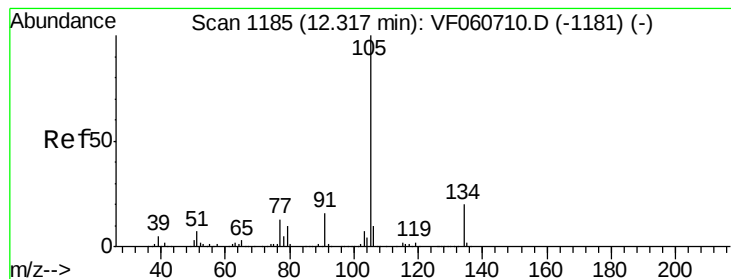
Tot Ion:119 Resp: 52449
Ion Ratio Lower Upper
119 100
91 79.2 31.4 94.3
134 25.2 12.8 38.4



#84
1,2,4-Trimethylbenzene
Concen: 187.673 ug/l
RT: 12.22 min Scan# 1175
Delta R.T. -0.00 min
Lab File: VF060808.D
Acq: 20 Nov 2018 17:44

Tgt Ion:105 Resp: 1452372
Ion Ratio Lower Upper
105 100
120 50.6 25.5 76.5





#85

sec-Butylbenzene

Concen: 6.482 ug/l

RT: 12.32 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VF060808.D

Acq: 20 Nov 2018 17:44

Instrument :

MSVOA_F

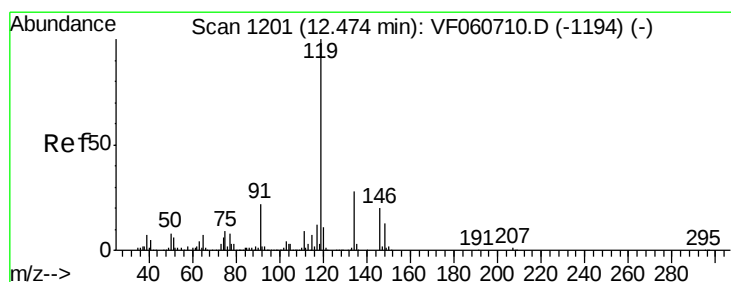
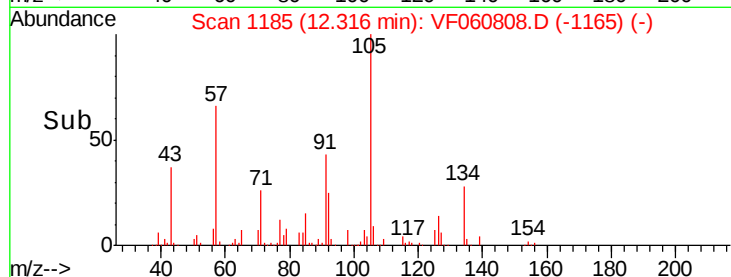
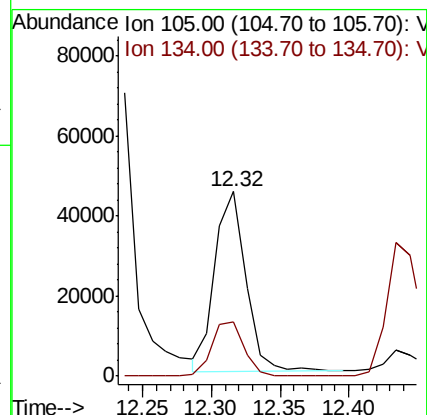
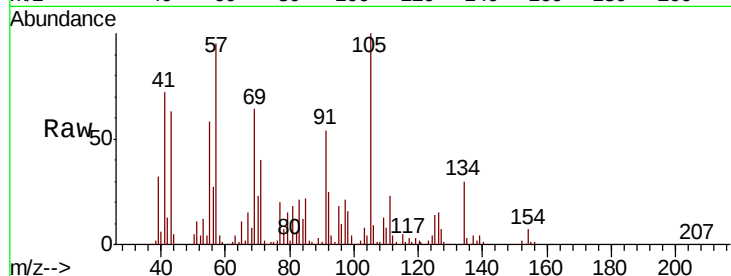
ClientSampleId :

Tot Ion:105 Resp: 69862

Ion Ratio Lower Upper

105 100

134 29.5 10.1 30.3



#86

p-Isopropyltoluene

Concen: 32.900 ug/l

RT: 12.43 min Scan# 1197

Delta R.T. -0.04 min

Lab File: VF060808.D

Acq: 20 Nov 2018 17:44

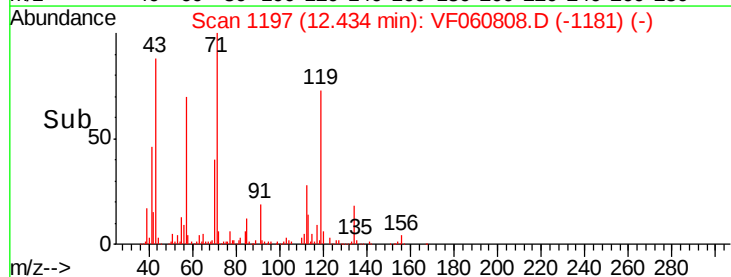
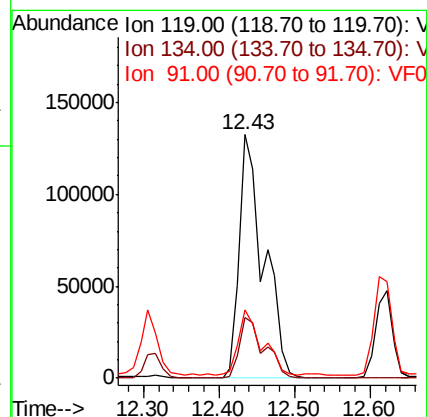
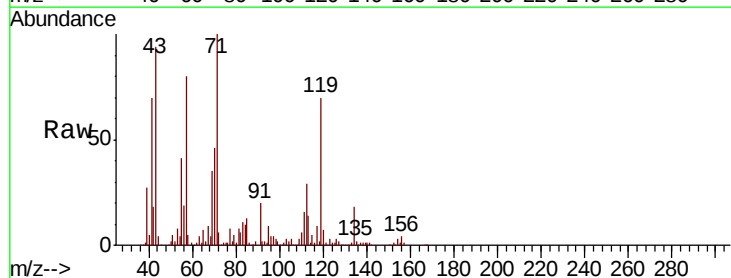
Tgt Ion:119 Resp: 296144

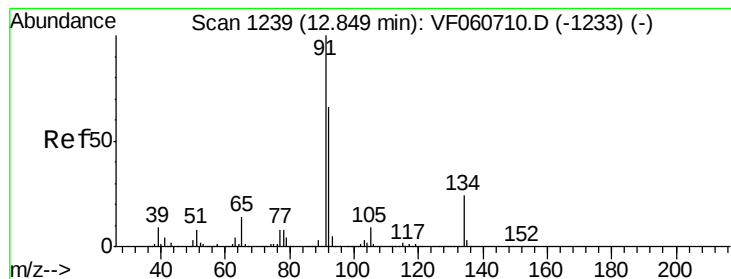
Ion Ratio Lower Upper

119 100

134 25.1 13.9 41.7

91 27.8 11.3 33.9





#89

n-Butylbenzene

Concen: 29.159 ug/l

RT: 12.84 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VF060808.D

Acq: 20 Nov 2018 17:44

Instrument :

MSVOA_F

ClientSampleId :

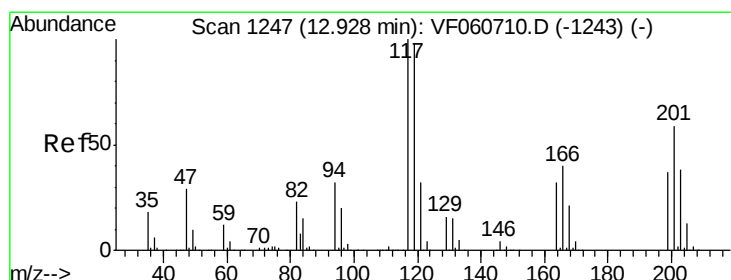
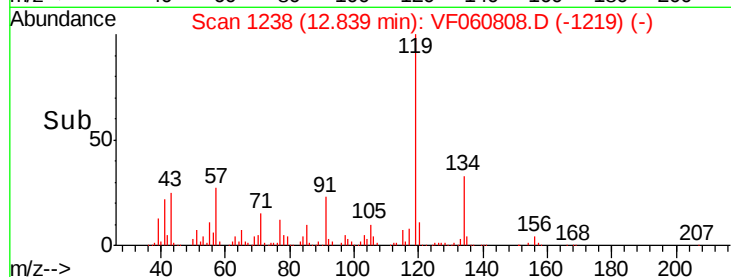
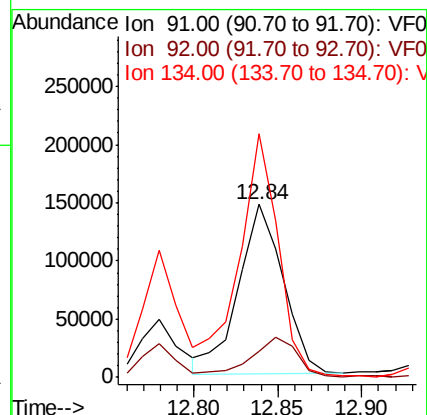
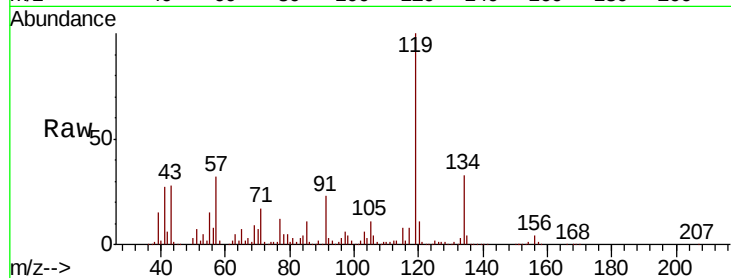
Tot Ion: 91 Resp: 267853

Ion Ratio Lower Upper

91 100

92 14.9 33.1 99.2#

134 140.6 11.9 35.9#



#90

Hexachloroethane

Concen: 3.523 ug/l

RT: 12.94 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VF060808.D

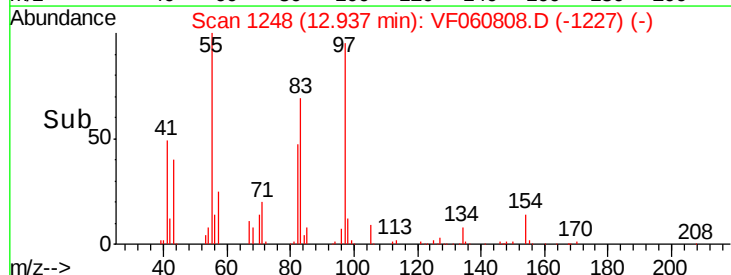
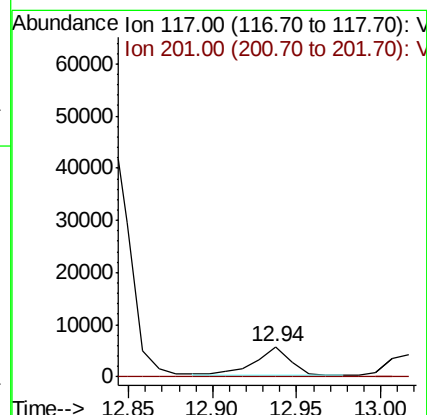
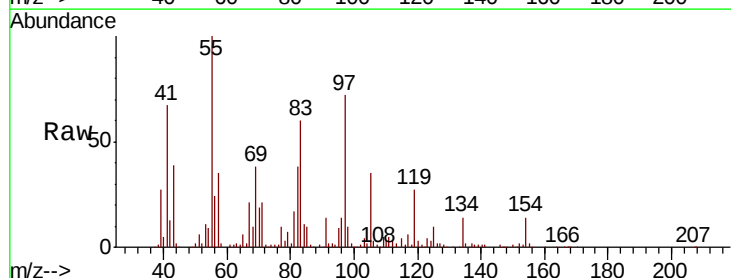
Acq: 20 Nov 2018 17:44

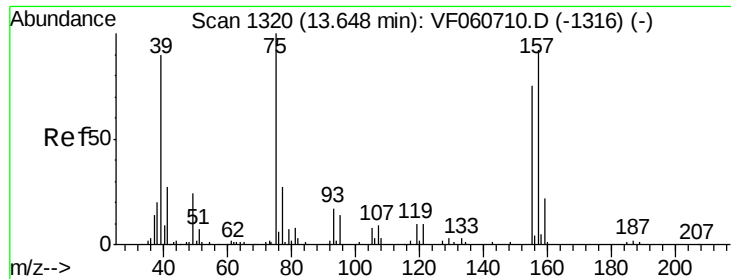
Tgt Ion: 117 Resp: 7756

Ion Ratio Lower Upper

117 100

201 0.0 29.4 88.3#





#92

1,2-Dibromo-3-Chloropropane

Concen: 10.158 ug/l

RT: 13.62 min Scan# 1317

Delta R.T. -0.03 min

Lab File: VF060808.D

Acq: 20 Nov 2018 17:44

Instrument :

MSVOA_F

ClientSampleId :

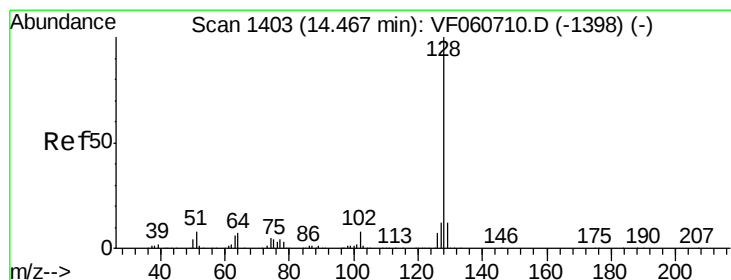
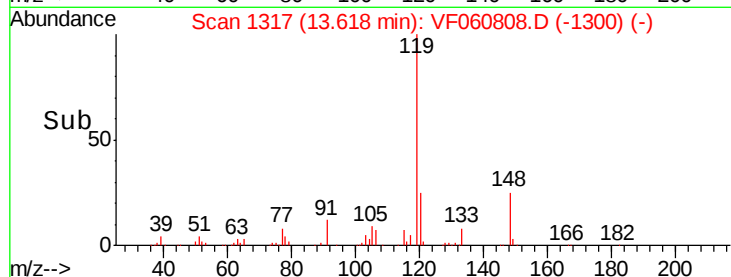
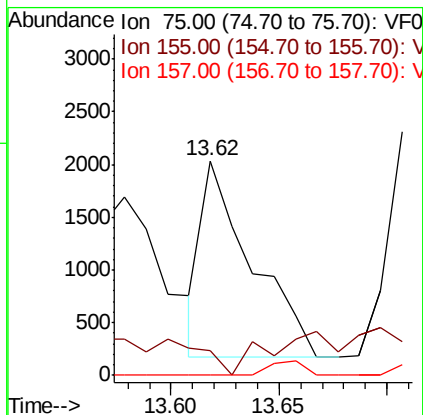
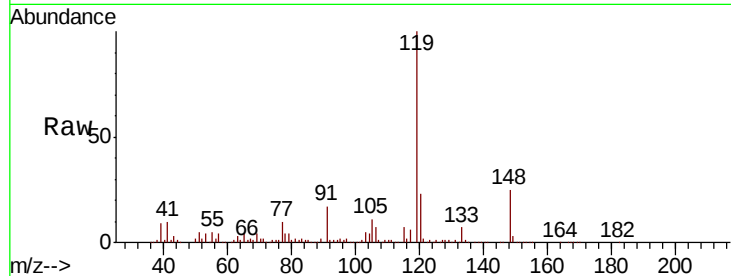
Tot Ion: 75 Resp: 2975

Ion Ratio Lower Upper

75 100

155 11.5 37.4 112.2#

157 0.0 46.0 138.0#



#95

Naphthalene

Concen: 84.588 ug/l

RT: 14.47 min Scan# 1403

Delta R.T. -0.00 min

Lab File: VF060808.D

Acq: 20 Nov 2018 17:44

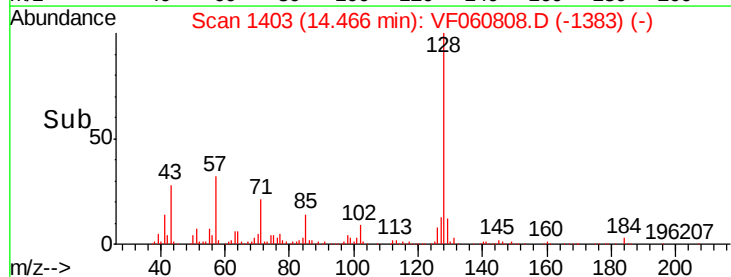
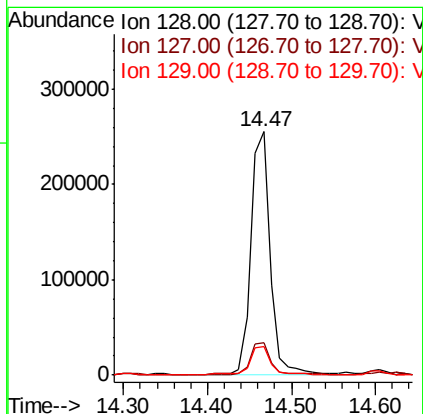
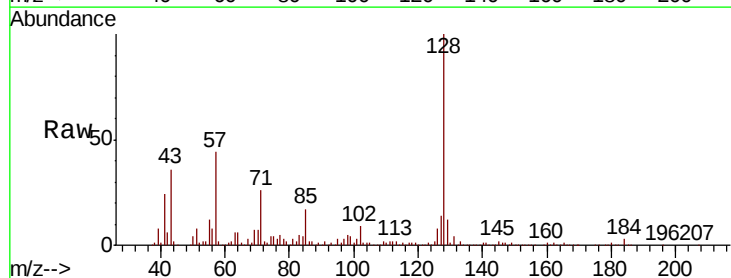
Tgt Ion:128 Resp: 407818

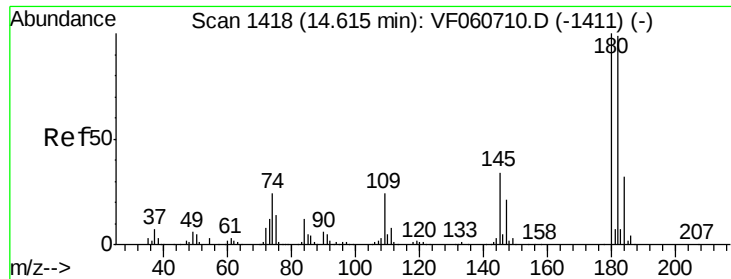
Ion Ratio Lower Upper

128 100

127 13.5 9.8 14.6

129 11.8 9.3 13.9





#96
 1,2,3-Trichlorobenzene
 Concen: 3.188 ug/l
 RT: 14.64 min Scan# 1421
 Delta R.T. 0.03 min
 Lab File: VF060808.D
 Acq: 20 Nov 2018 17:44

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
180	100			
182	38.3	49.6	149.0#	
145	55.8	16.9	50.7#	

