

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112018\
 Data File : VF060821.D
 Acq On : 20 Nov 2018 23:57
 Operator : VA/AP
 Sample : J5981-02
 Misc : 4.71q/5mL/MSVOA-F/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Nov 21 02:53:42 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	4.87	168	152810	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.60	114	314760	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.78	117	244106	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	75109	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	98021	56.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.48%	
35) Dibromofluoromethane	4.12	113	120576	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
50) Toluene-d8	7.57	98	255523	41.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.92%	
62) 4-Bromofluorobenzene	11.41	95	102786	35.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.08%	

Target Compounds						Qvalue
11) Tert butyl alcohol	2.57	59	189	2.383	ug/l #	1
13) Acrolein	2.00	56	458	6.315	ug/l #	1
15) Acrylonitrile	2.95	53	801	4.739	ug/l #	37
16) Acetone	2.24	43	34896	93.668	ug/l #	86
17) Carbon Disulfide	1.83	76	7804	2.071	ug/l	96
18) Methyl Acetate	2.33	43	1199	1.960	ug/l #	64
20) Methylene Chloride	2.19	84	3533	Below Cal		82
25) 2-Butanone	4.34	43	11554	18.855	ug/l	96
29) Tetrahydrofuran	4.10	42	1191	4.712	ug/l #	57
31) Cyclohexane	3.72	56	5553	1.792	ug/l #	64
39) Methylcyclohexane	5.45	83	19675	4.646	ug/l	96
40) Benzene	4.65	78	6224911	764.980	ug/l	96
41) Methacrylonitrile	4.69	41	2201	Below Cal	#	1
43) Isopropyl Acetate	7.02	43	9815	5.455	ug/l #	48
48) Methyl methacrylate	6.83	41	101067	84.866	ug/l #	43
51) 4-Methyl-2-Pentanone	8.29	43	50507	38.809	ug/l #	45
52) Toluene	7.63	92	2355540	431.966	ug/l	82
55) 1,1,2-Trichloroethane	8.39	97	6223	3.994	ug/l #	52
56) Ethyl methacrylate	8.62	69	48756	27.554	ug/l #	82
58) 2-Chloroethyl Vinyl ether	7.63	63	383439	2372.190	ug/l #	100
59) 2-Hexanone	9.51	43	3846	4.205	ug/l	97
67) Ethyl Benzene	9.91	91	4675909	503.598	ug/l #	88
68) m/p-Xylenes	10.15	106	2480905	747.666	ug/l	89
69) o-Xylene	10.72	106	1501027	402.356	ug/l	81
70) Styrene	10.80	104	804824	158.963	ug/l	98
73) Isopropylbenzene	11.13	105	216784	35.857	ug/l	97
74) N-amyl acetate	11.40	43	4398	3.195	ug/l #	21
76) 1,2,3-Trichloropropane	11.83	75	12390	16.690	ug/l #	1
78) n-propylbenzene	11.60	91	248965	35.309	ug/l	97
79) 2-Chlorotoluene	11.72	91	168166	41.035	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.83	105	1079532	224.912	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.83	75	12390	33.973	ug/l #	1
83) tert-Butylbenzene	12.08	119	18313	3.593	ug/l #	1
84) 1,2,4-Trimethylbenzene	12.21	105	2047581	412.481	ug/l	96

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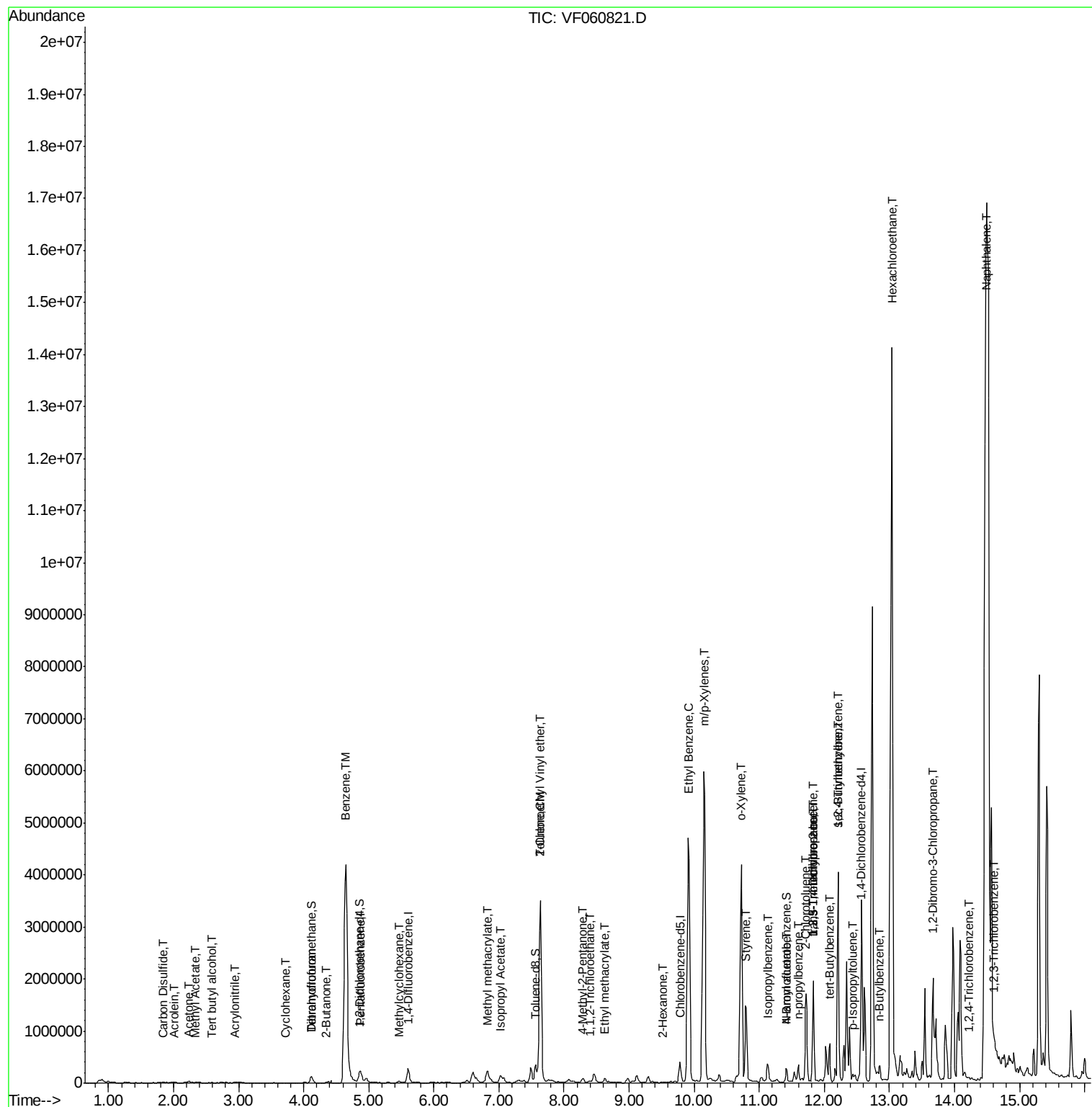
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	12.21	105	2047183	296.126	ug/l #	56
86) p-Isopropyltoluene	12.44	119	120126	20.805	ug/l	93
89) n-Butylbenzene	12.85	91	45158	7.664	ug/l #	11
90) Hexachloroethane	13.04	117	1264540	895.422	ug/l #	21
92) 1,2-Dibromo-3-Chloropropan	13.67	75	58020	308.836	ug/l #	7
93) 1,2,4-Trichlorobenzene	14.20	180	7279	4.295	ug/l #	74
95) Naphthalene	14.49	128	21569024	6974.506	ug/l #	44
96) 1,2,3-Trichlorobenzene	14.62	180	1654	1.056	ug/l #	1

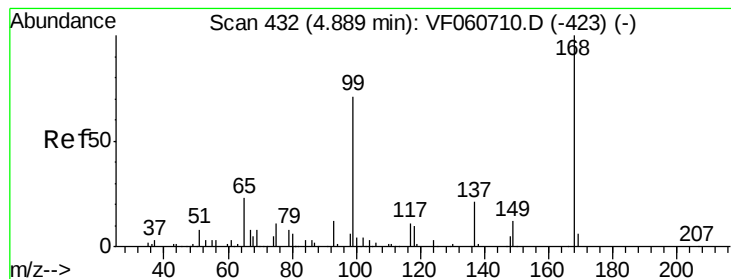
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.02 min

Lab File: VF060821.D

Acq: 20 Nov 2018 23:57

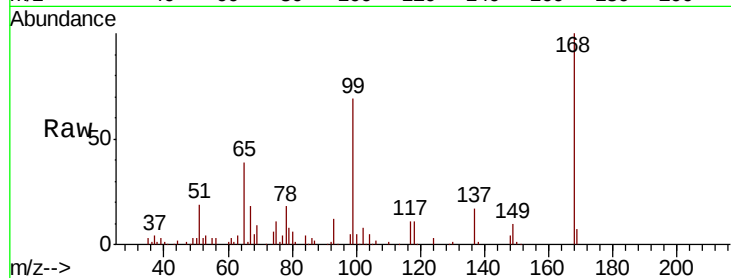
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 152810

Ion Ratio Lower Upper

168 100

99 69.5 57.2 85.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

50000

40000

30000

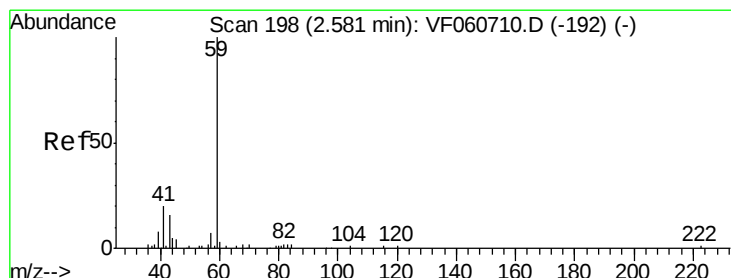
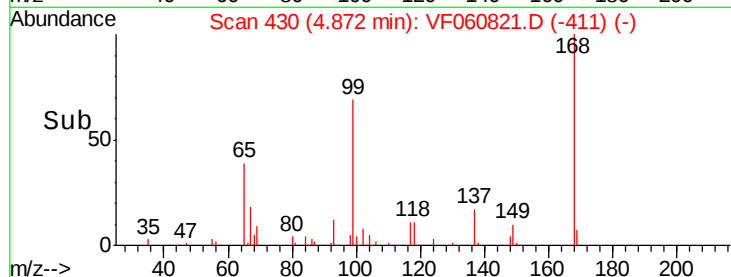
20000

10000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#11

Tert butyl alcohol

Concen: 2.383 ug/l

RT: 2.57 min Scan# 197

Delta R.T. -0.01 min

Lab File: VF060821.D

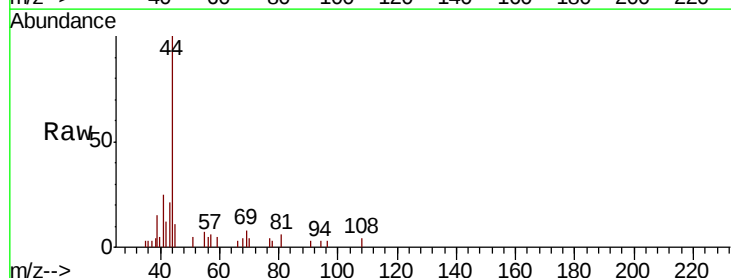
Acq: 20 Nov 2018 23:57

Tgt Ion: 59 Resp: 189

Ion Ratio Lower Upper

59 100

57 116.2 10.5 15.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

250

200

150

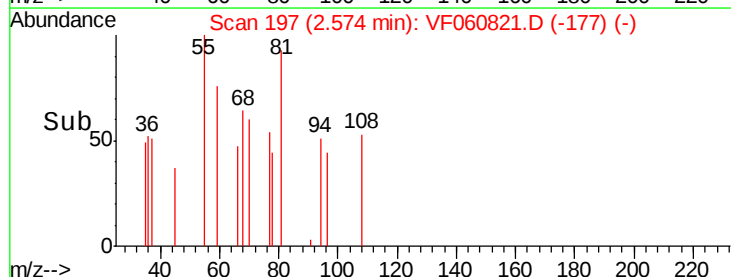
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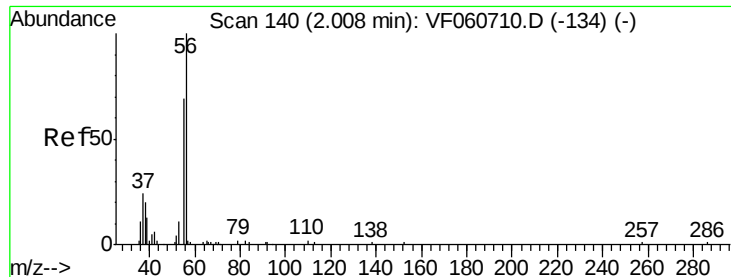
50

0

Time-->

2.52 2.54 2.56 2.58 2.60





#13

Acrolein

Concen: 6.315 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF060821.D

Acq: 20 Nov 2018 23:57

Instrument :

MSVOA_F

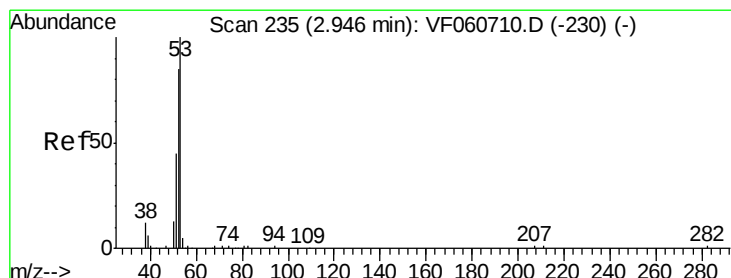
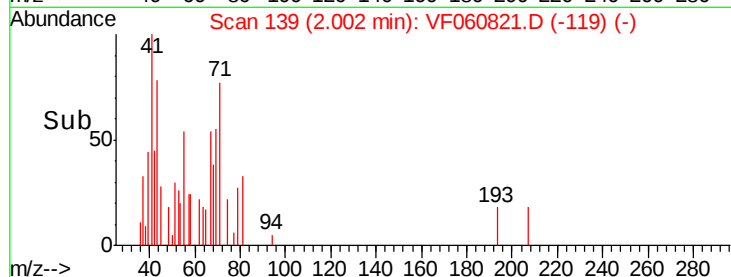
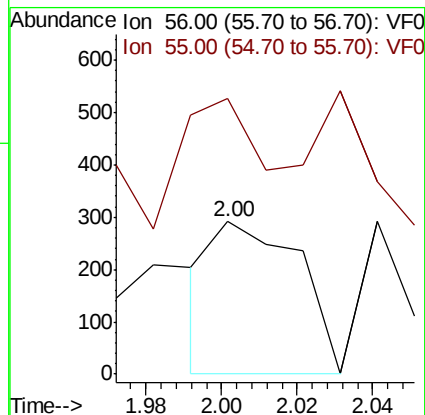
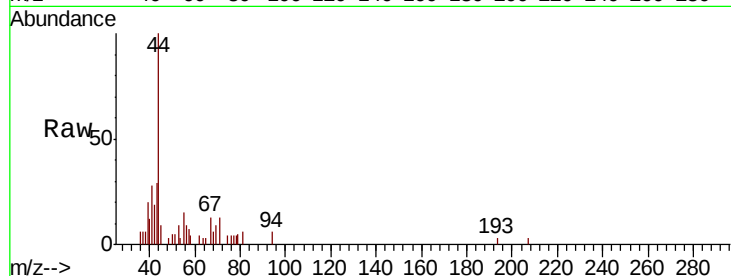
ClientSampleId :

Tot Ion: 56 Resp: 458

Ion Ratio Lower Upper

56 100

55 180.8 56.6 85.0#



#15

Acrylonitrile

Concen: 4.739 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.00 min

Lab File: VF060821.D

Acq: 20 Nov 2018 23:57

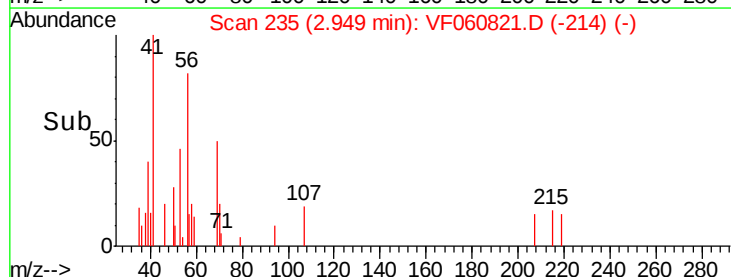
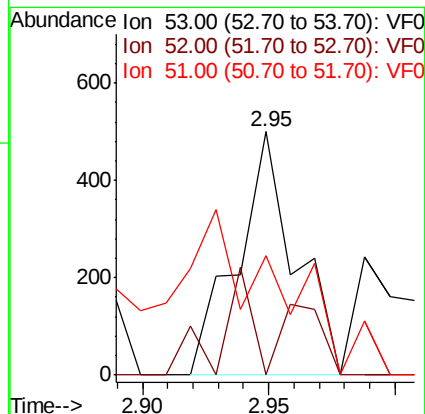
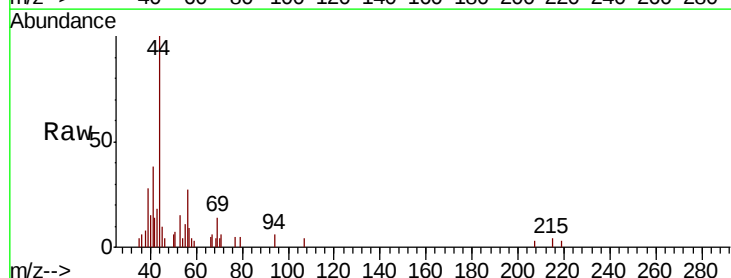
Tgt Ion: 53 Resp: 801

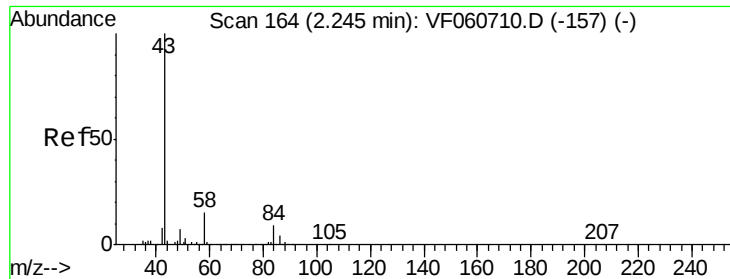
Ion Ratio Lower Upper

53 100

52 0.0 68.8 103.2#

51 49.0 36.7 55.1

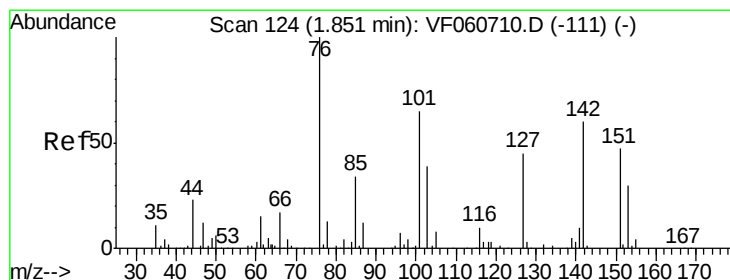
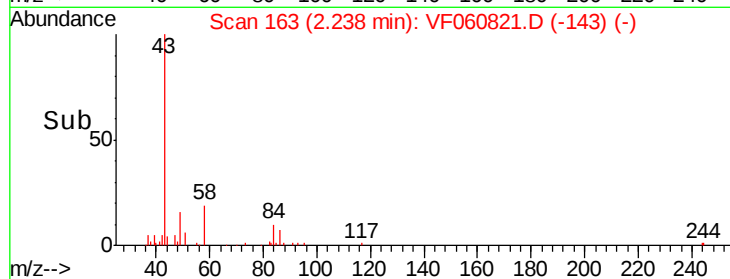
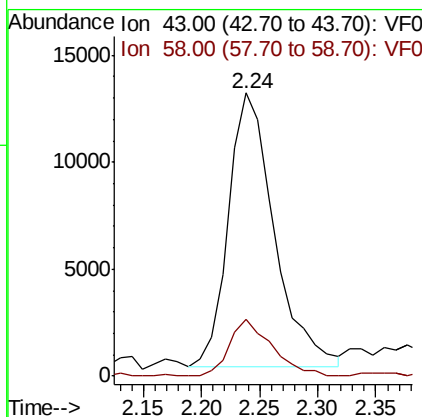
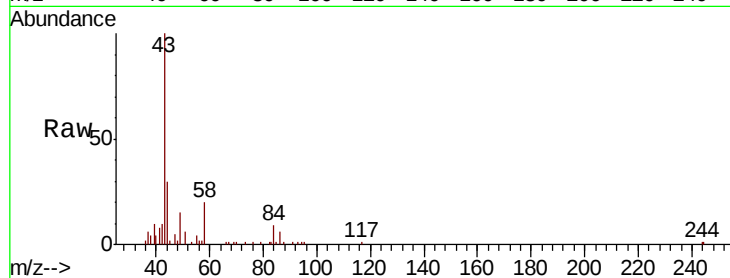




#16
Acetone
Concen: 93.668 ug/l
RT: 2.24 min Scan# 163
Delta R.T. -0.01 min
Lab File: VF060821.D
Acq: 20 Nov 2018 23:57

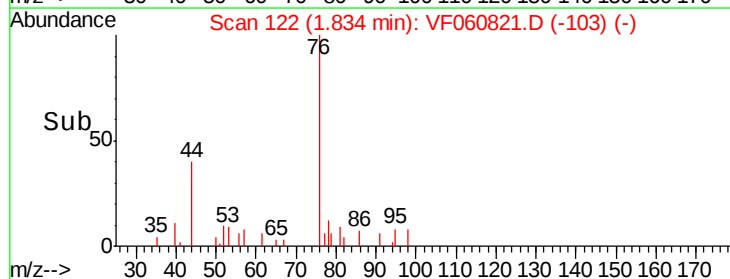
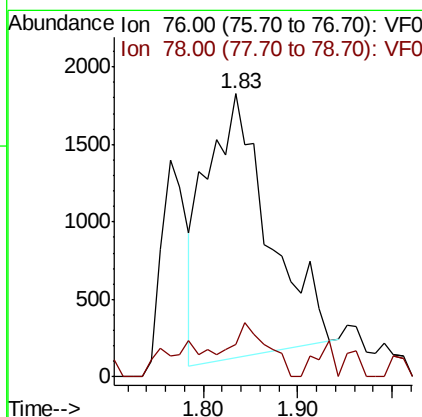
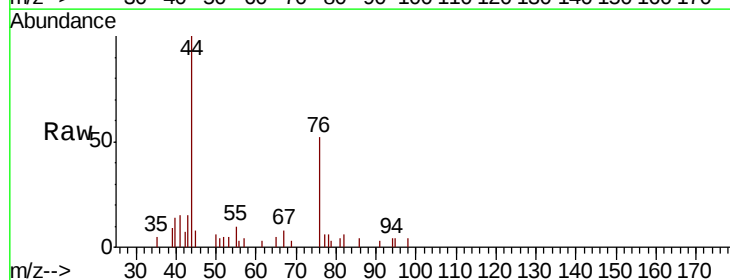
Instrument :
MSVOA_F
ClientSampleId :

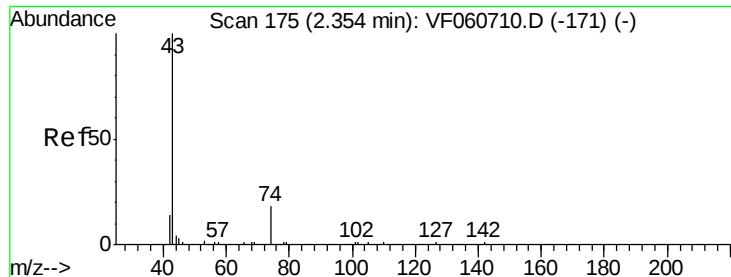
Tot Ion: 43 Resp: 34896
Ion Ratio Lower Upper
43 100
58 20.1 11.6 17.4#



#17
Carbon Disulfide
Concen: 2.071 ug/l
RT: 1.83 min Scan# 122
Delta R.T. -0.02 min
Lab File: VF060821.D
Acq: 20 Nov 2018 23:57

Tgt Ion: 76 Resp: 7804
Ion Ratio Lower Upper
76 100
78 11.6 10.5 15.7

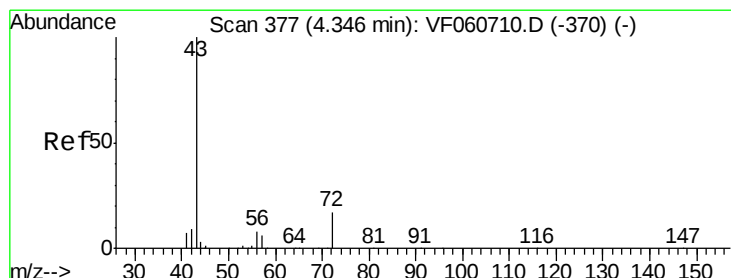
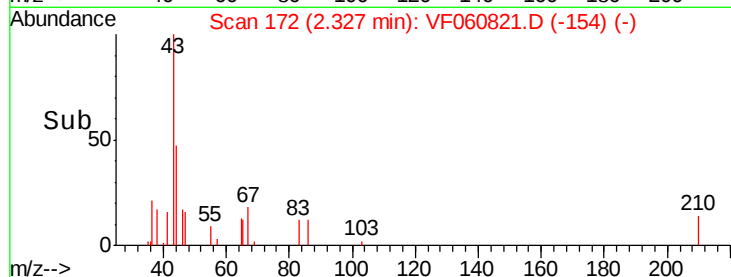
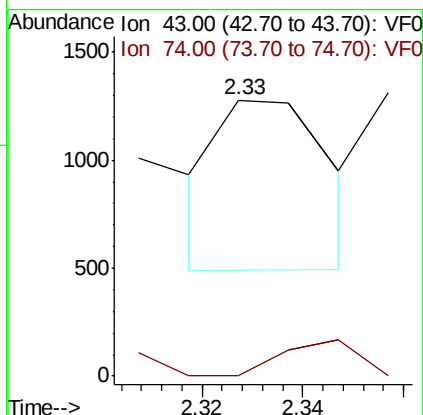
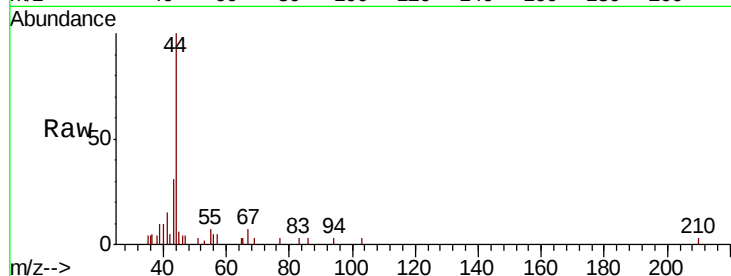




#18
Methvl Acetate
Concen: 1.960 ug/l
RT: 2.33 min Scan# 172
Delta R.T. -0.03 min
Lab File: VF060821.D
Acq: 20 Nov 2018 23:57

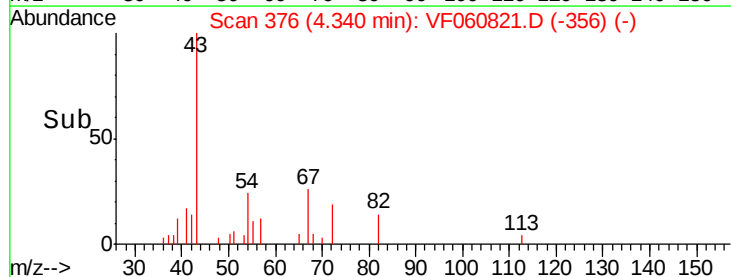
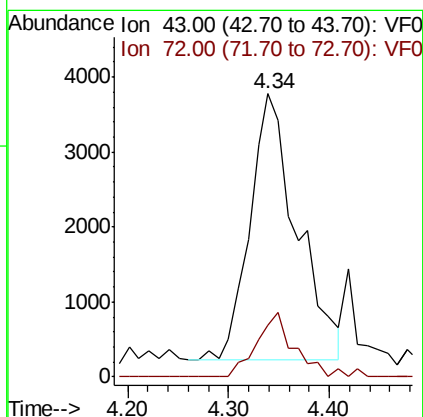
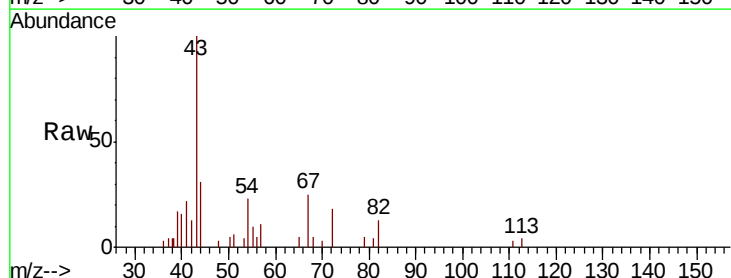
Instrument :
MSVOA_F
ClientSampled :

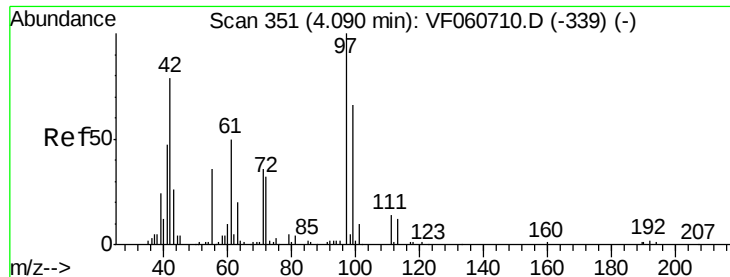
Tot Ion: 43 Resp: 1199
Ion Ratio Lower Upper
43 100
74 0.0 11.8 17.8#



#25
2-Butanone
Concen: 18.855 ug/l
RT: 4.34 min Scan# 376
Delta R.T. -0.01 min
Lab File: VF060821.D
Acq: 20 Nov 2018 23:57

Tgt Ion: 43 Resp: 11554
Ion Ratio Lower Upper
43 100
72 18.5 16.1 24.1





#29

Tetrahydrofuran

Concen: 4.712 ug/l

RT: 4.10 min Scan# 352

Delta R.T. 0.01 min

Lab File: VF060821.D

Acq: 20 Nov 2018 23:57

Instrument :

MSVOA_F

ClientSampled :

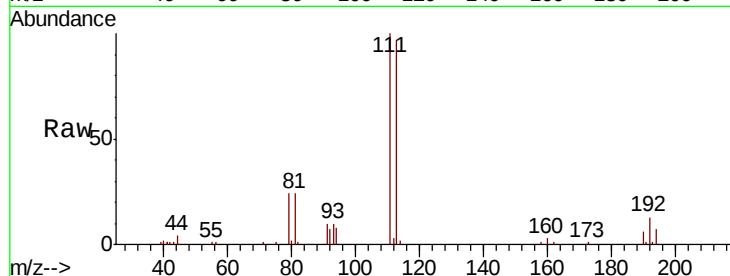
Tot Ion: 42 Resp: 1191

Ion Ratio Lower Upper

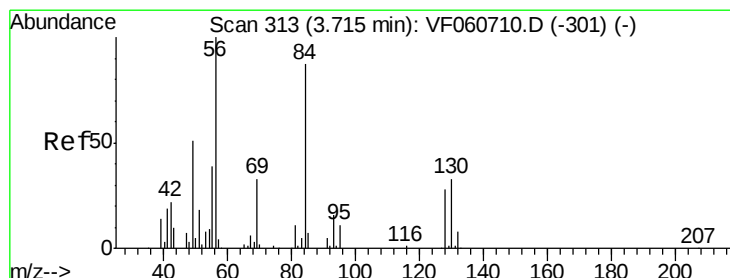
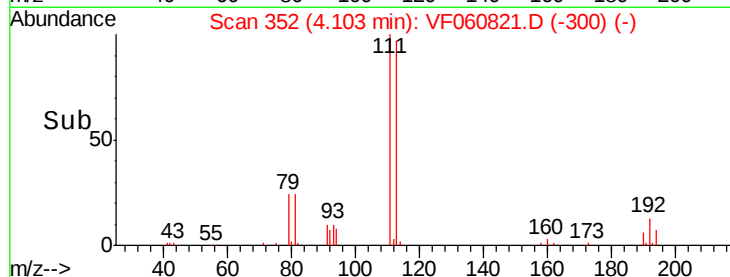
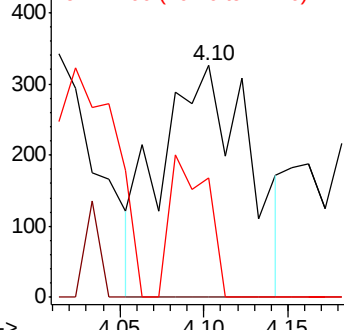
42 100

72 0.0 30.3 45.5#

71 25.8 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: 1.792 ug/l

RT: 3.72 min Scan# 313

Delta R.T. 0.00 min

Lab File: VF060821.D

Acq: 20 Nov 2018 23:57

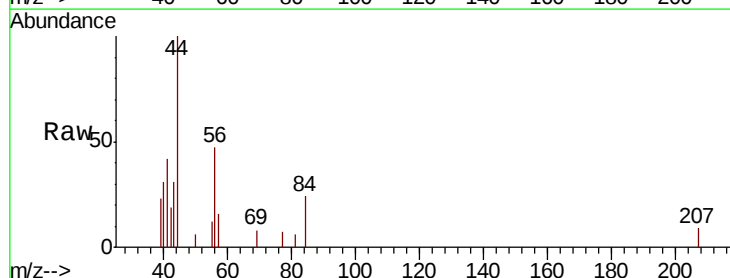
Tgt Ion: 56 Resp: 5553

Ion Ratio Lower Upper

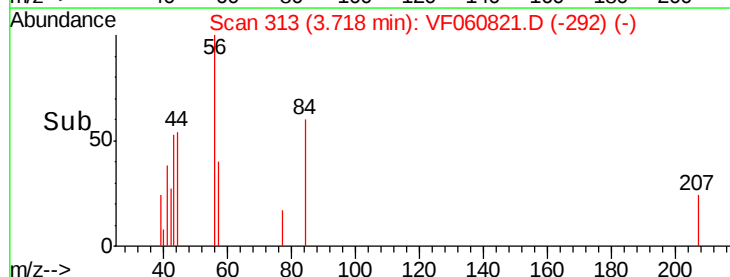
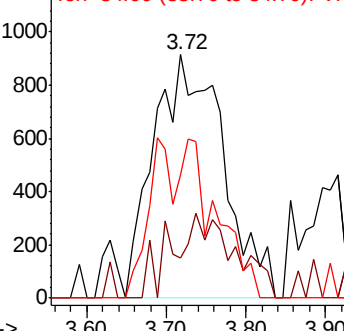
56 100

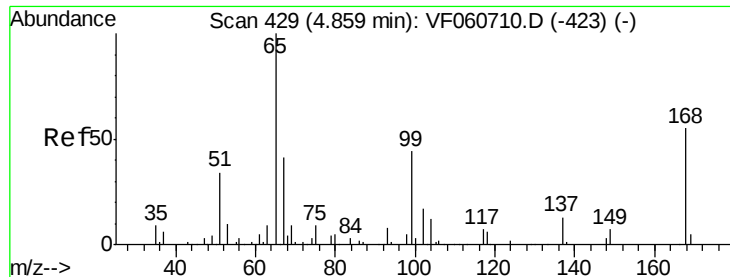
69 16.7 26.0 39.0#

84 50.5 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

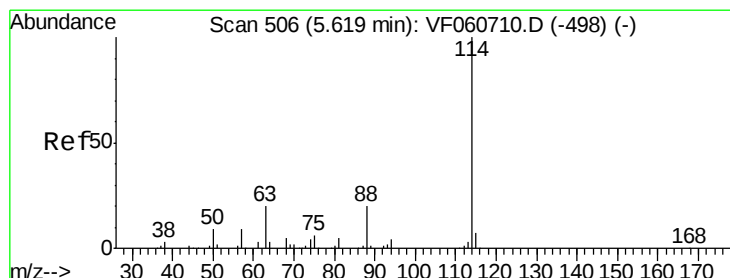
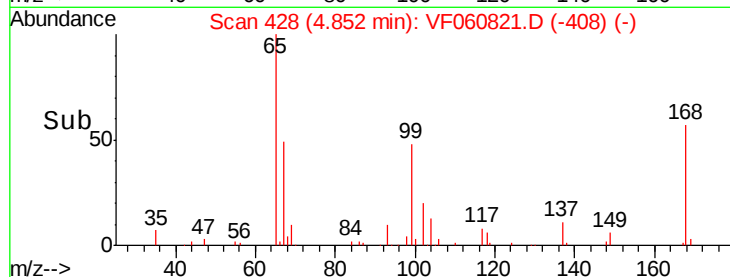
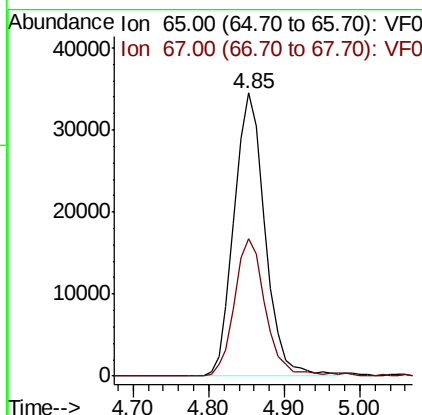
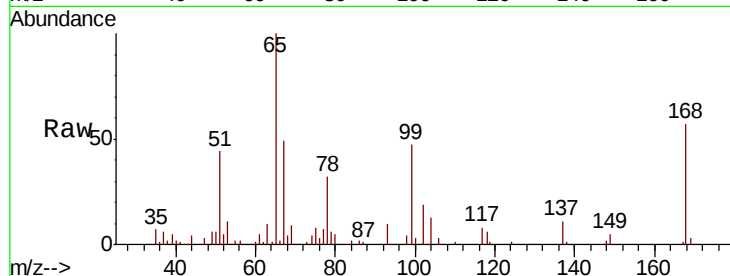




#33
 1,2-Dichloroethane-d4
 Concen: 56.238 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. -0.01 min
 Lab File: VF060821.D
 Acq: 20 Nov 2018 23:57

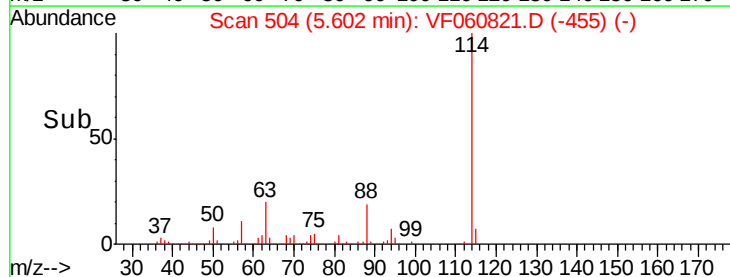
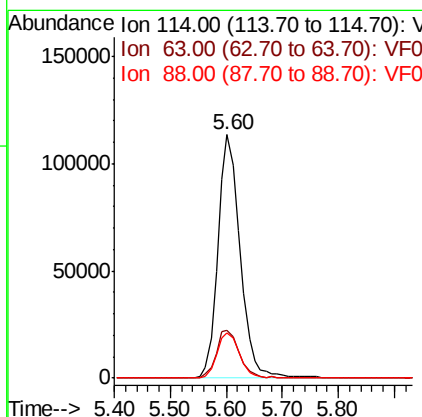
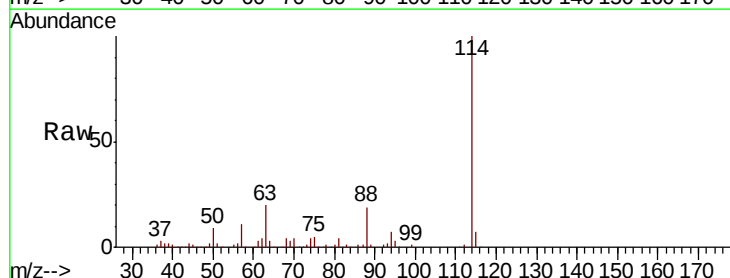
Instrument :
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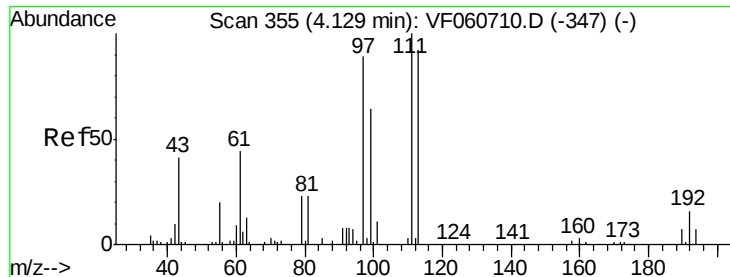
Tot Ion: 65 Resp: 98021
 Ion Ratio Lower Upper
 65 100
 67 48.7 0.0 90.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.02 min
 Lab File: VF060821.D
 Acq: 20 Nov 2018 23:57

Tgt Ion: 114 Resp: 314760
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.8
 88 18.6 0.0 39.6

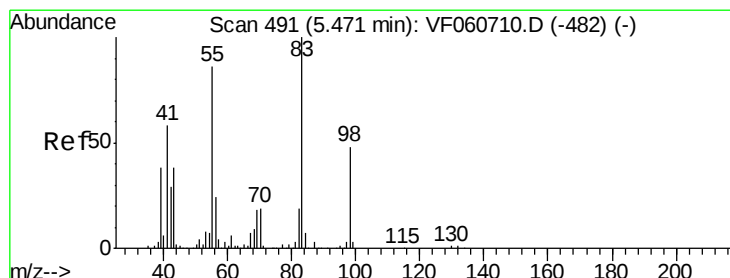
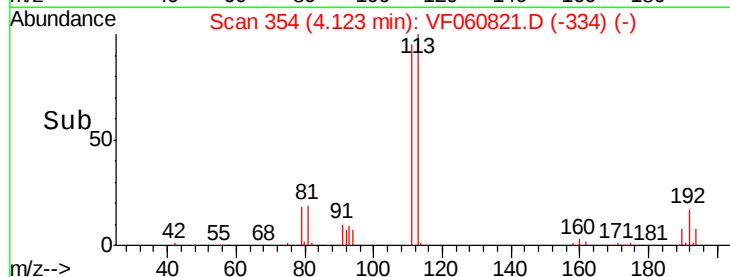
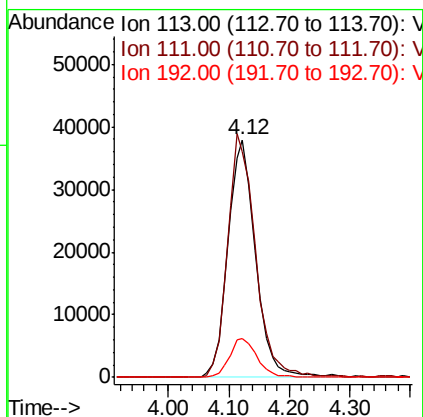
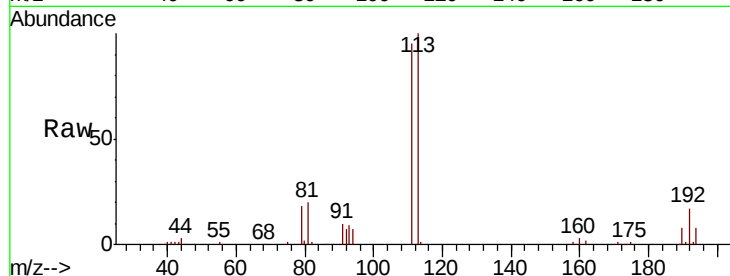




#35
Dibromofluoromethane
Concen: 50.961 ug/l
RT: 4.12 min Scan# 354
Delta R.T. -0.01 min
Lab File: VF060821.D
Acq: 20 Nov 2018 23:57

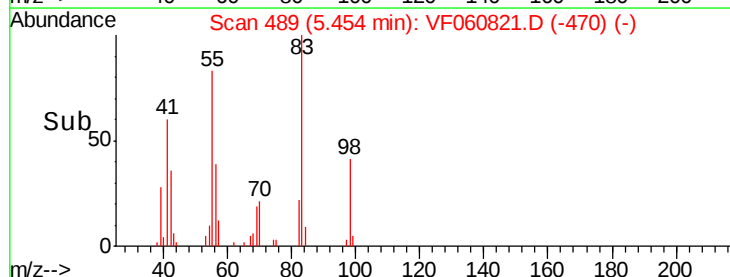
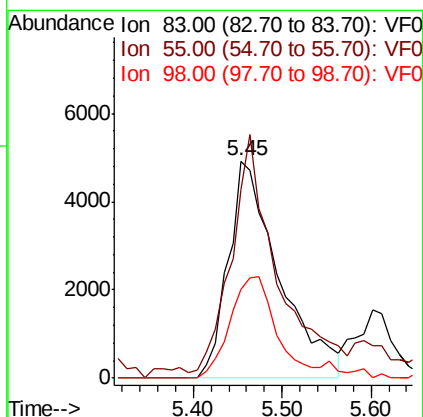
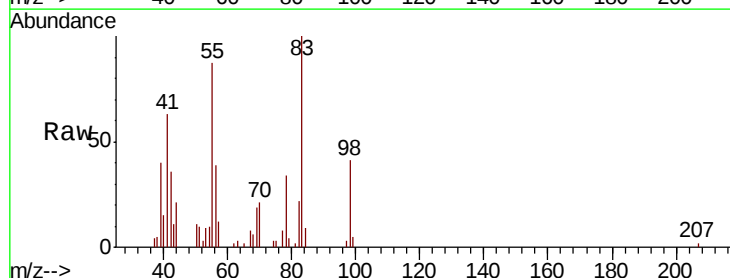
Instrument :
MSVOA_F
ClientSampled :

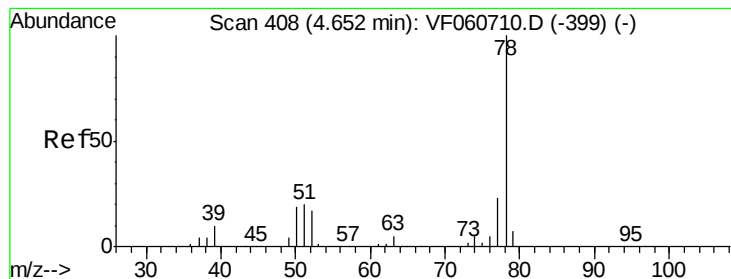
Tot Ion:113 Resp: 120576
Ion Ratio Lower Upper
113 100
111 94.9 87.1 130.7
192 16.6 13.8 20.6



#39
Methylcyclohexane
Concen: 4.646 ug/l
RT: 5.45 min Scan# 489
Delta R.T. -0.02 min
Lab File: VF060821.D
Acq: 20 Nov 2018 23:57

Tgt Ion: 83 Resp: 19675
Ion Ratio Lower Upper
83 100
55 86.7 69.0 103.4
98 41.0 38.5 57.7





#40

Benzene

Concen: 764.980 ug/l

RT: 4.65 min Scan# 407

Delta R.T. -0.01 min

Lab File: VF060821.D

Acq: 20 Nov 2018 23:57

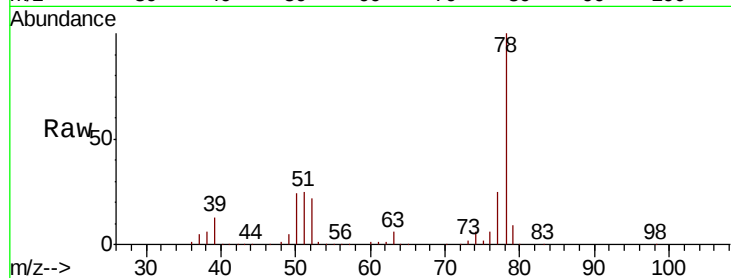
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 78 Resp: 6224911

Ion Ratio Lower Upper

78 100

77 25.3 18.6 28.0



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0

4.65

1500000

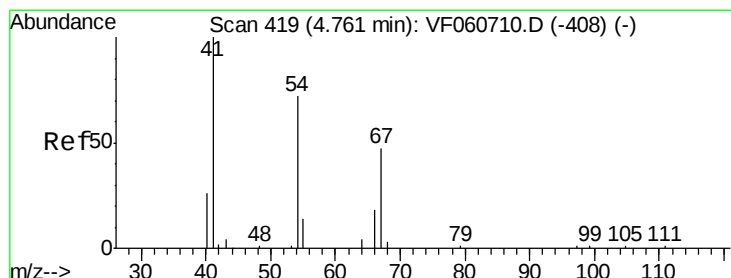
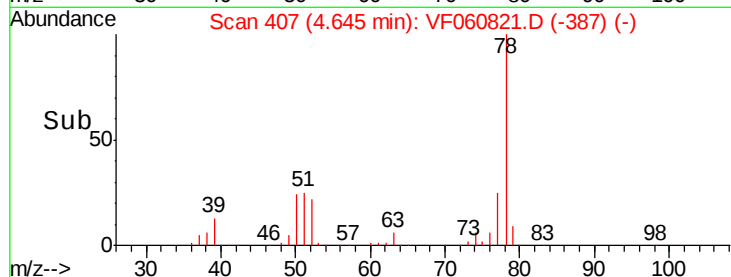
1000000

500000

0

Time-->

4.50 4.60 4.70 4.80



#41

Methacrylonitrile

Concen: Below Cal

RT: 4.69 min Scan# 412

Delta R.T. -0.07 min

Lab File: VF060821.D

Acq: 20 Nov 2018 23:57

Tgt Ion: 41 Resp: 2201

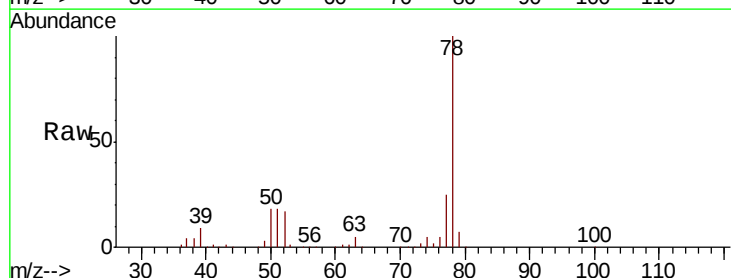
Ion Ratio Lower Upper

41 100

39 1409.2 47.1 70.7#

67 0.0 37.1 55.7#

52 2586.4 39.3 58.9#



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

500000

400000

300000

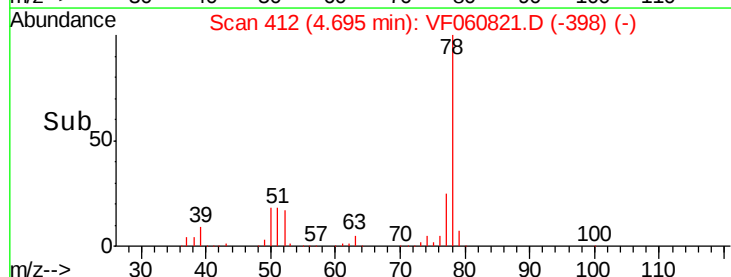
200000

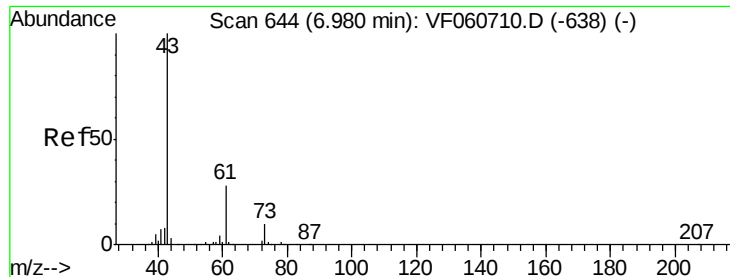
100000

0

Time-->

4.65 4.70 4.75





#43

Isopropyl Acetate

Concen: 5.455 ug/l

RT: 7.02 min Scan# 648

Delta R.T. 0.04 min

Lab File: VF060821.D

Acq: 20 Nov 2018 23:57

Instrument :

MSVOA_F

ClientSampleId :

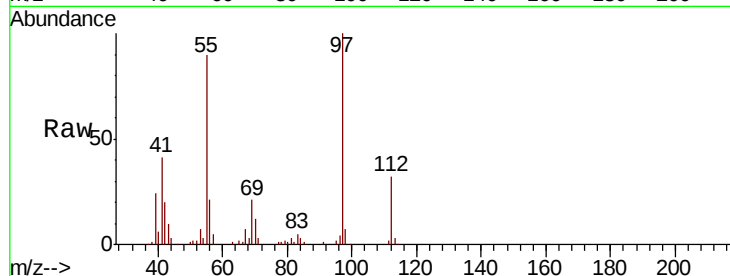
Tot Ion: 43 Resp: 9815

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

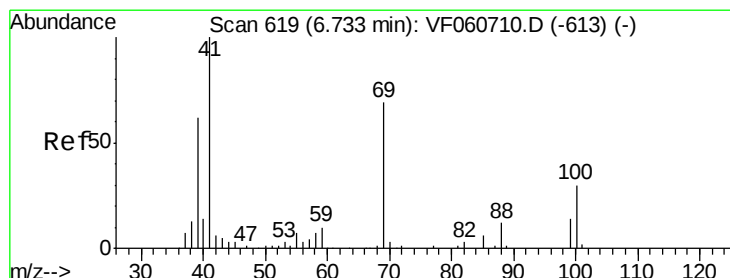
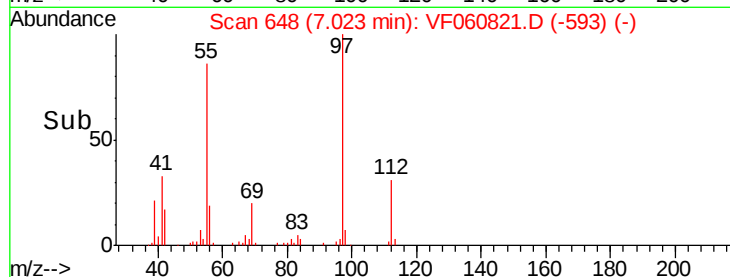
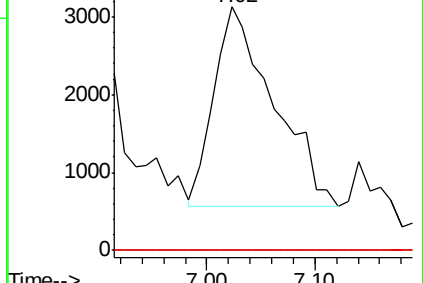
87 0.0 0.4 0.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#48

Methyl methacrylate

Concen: 84.866 ug/l

RT: 6.83 min Scan# 628

Delta R.T. 0.09 min

Lab File: VF060821.D

Acq: 20 Nov 2018 23:57

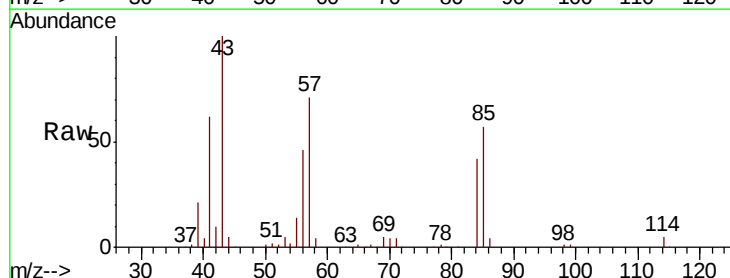
Tgt Ion: 41 Resp: 101067

Ion Ratio Lower Upper

41 100

69 8.2 54.9 82.3#

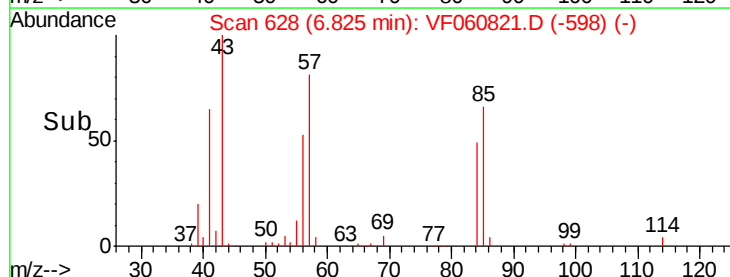
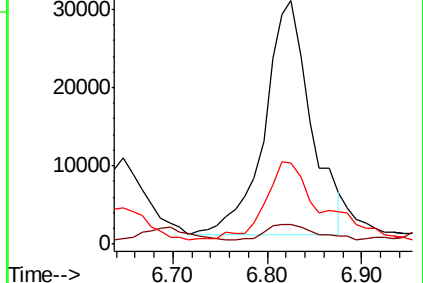
39 33.3 49.6 74.4#

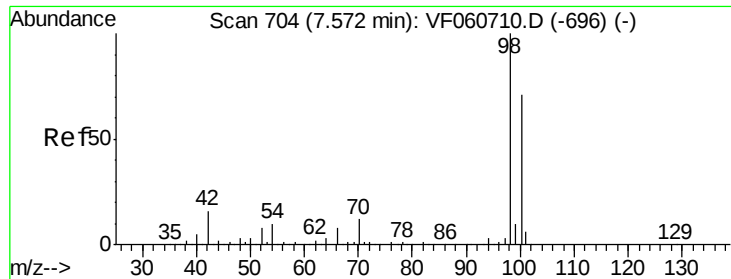


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#50

Toluene-d8

Concen: 41.458 ug/l

RT: 7.57 min Scan# 703

Delta R.T. -0.01 min

Lab File: VF060821.D

Acq: 20 Nov 2018 23:57

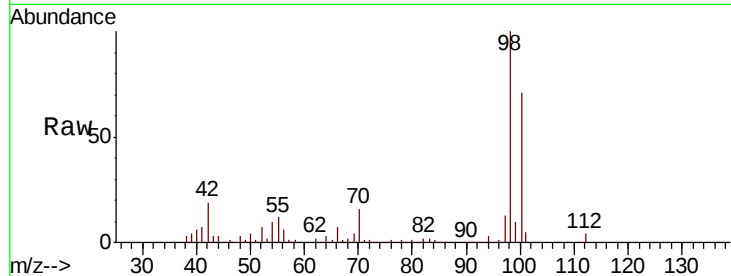
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 98 Resp: 255523

Ion Ratio Lower Upper

98 100

100 71.0 56.5 84.7



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

120000

100000

80000

60000

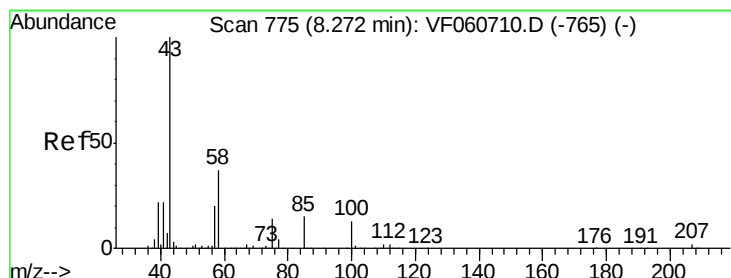
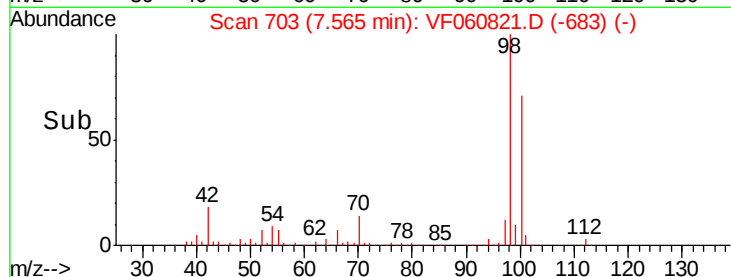
40000

20000

0

7.40 7.50 7.60 7.70

Time-->



#51

4-Methyl-2-Pentanone

Concen: 38.809 ug/l

RT: 8.29 min Scan# 776

Delta R.T. 0.01 min

Lab File: VF060821.D

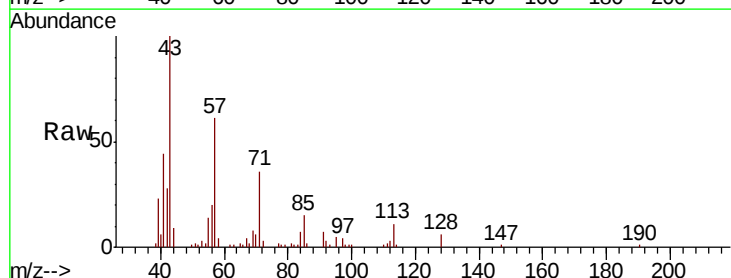
Acq: 20 Nov 2018 23:57

Tgt Ion: 43 Resp: 50507

Ion Ratio Lower Upper

43 100

58 3.8 29.2 43.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

20000

15000

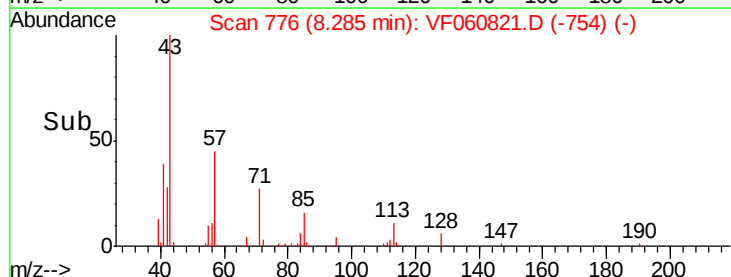
10000

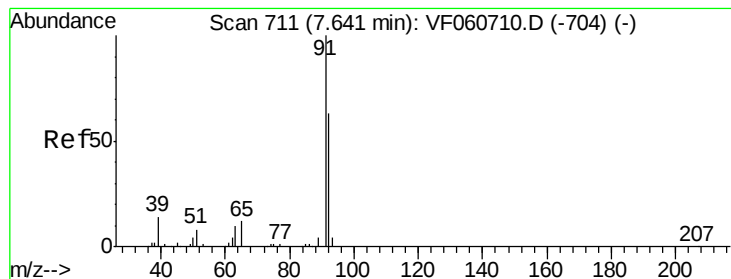
5000

0

8.20 8.30 8.40

Time-->





#52

Toluene

Concen: 431.966 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.01 min

Lab File: VF060821.D

Acq: 20 Nov 2018 23:57

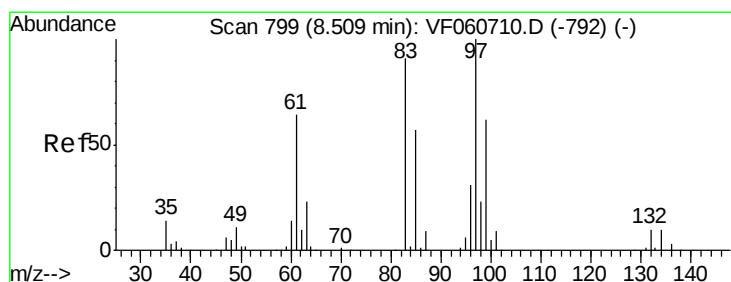
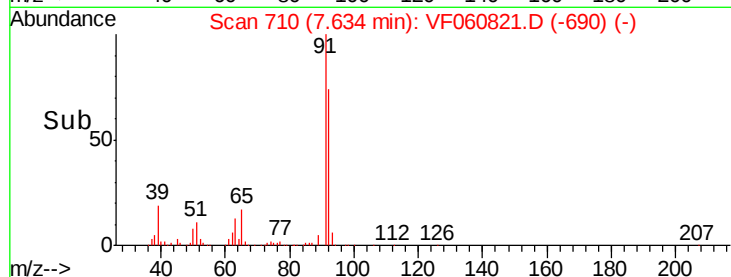
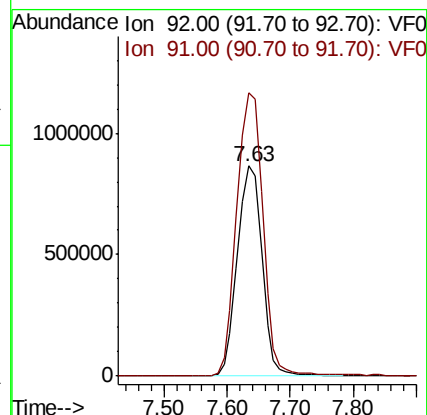
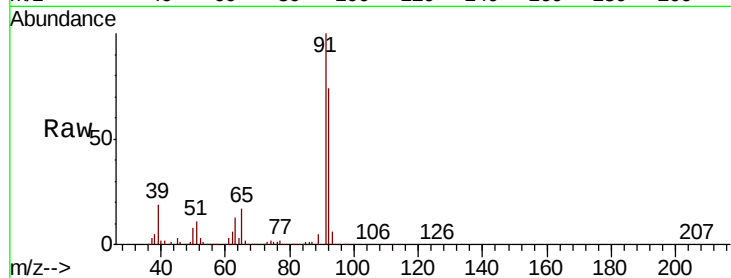
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 92 Resp: 2355540

Ion Ratio Lower Upper

92 100

91 134.8 126.7 190.1



#55

1,1,2-Trichloroethane

Concen: 3.994 ug/l

RT: 8.39 min Scan# 787

Delta R.T. -0.12 min

Lab File: VF060821.D

Acq: 20 Nov 2018 23:57

Tgt Ion: 97 Resp: 6223

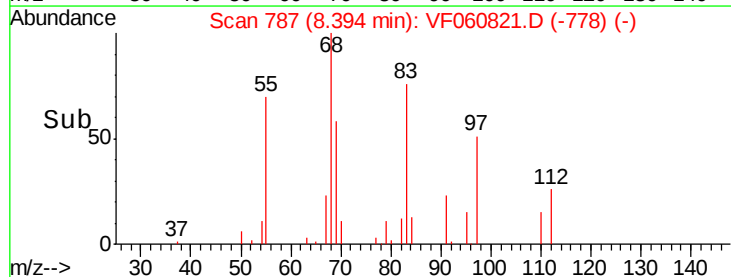
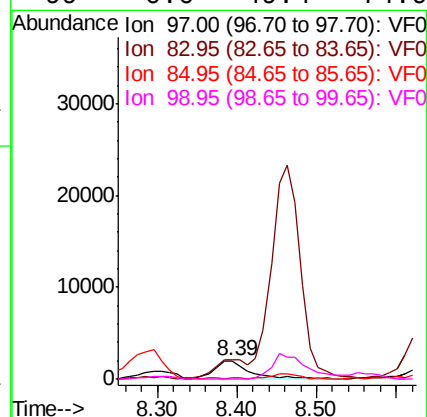
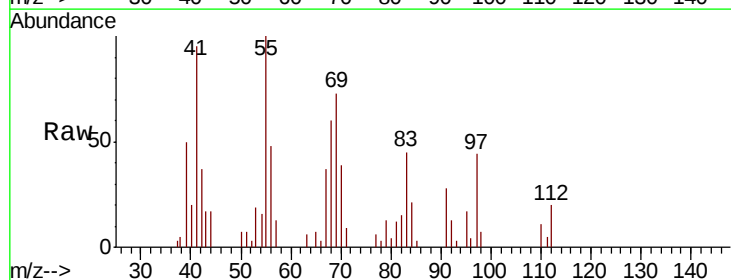
Ion Ratio Lower Upper

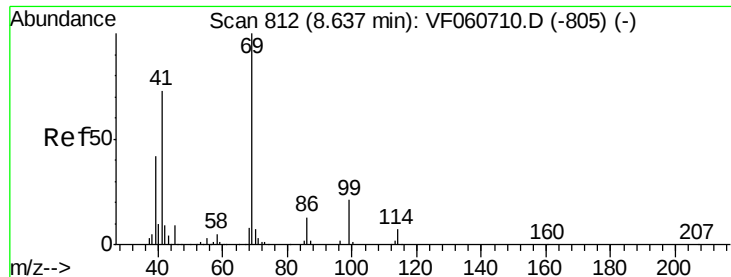
97 100

83 102.6 72.8 109.2

85 7.0 45.8 68.6#

99 0.0 49.4 74.0#





#56

Ethyl methacrylate

Concen: 27.554 ug/l

RT: 8.62 min Scan# 810

Delta R.T. -0.02 min

Lab File: VF060821.D

Acq: 20 Nov 2018 23:57

Instrument :
MSVOA_F
ClientSampled :

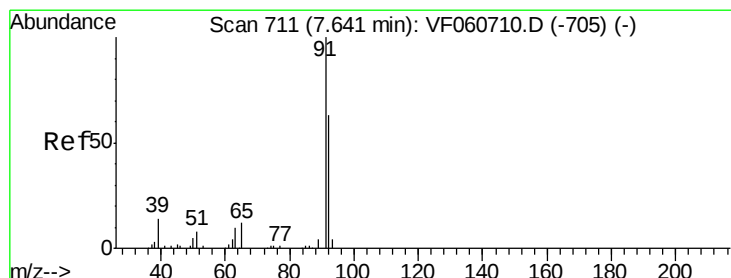
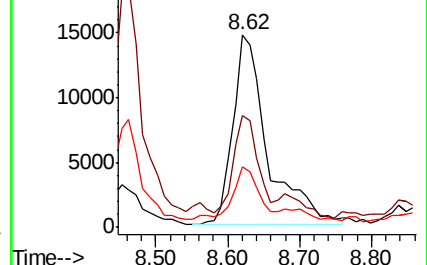
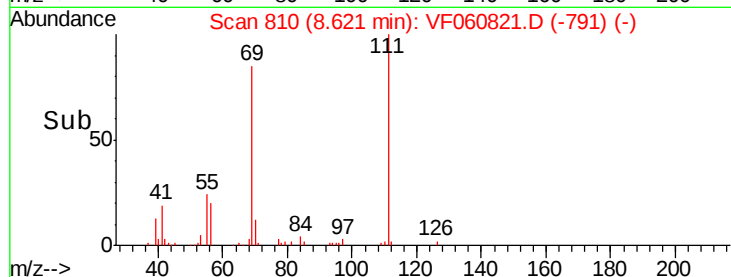
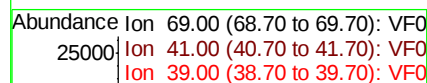
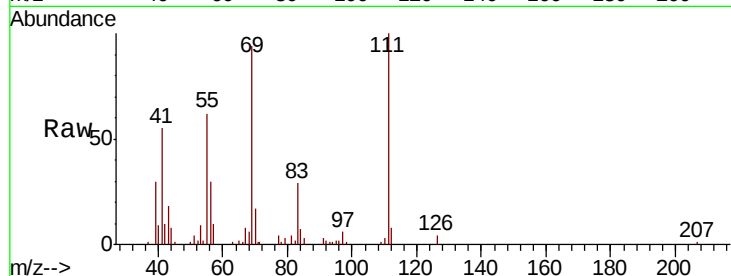
Tot Ion: 69 Resp: 48756

Ion Ratio Lower Upper

69 100

41 58.0 59.0 88.6#

39 31.3 34.0 51.0#



#58

2-Chloroethyl Vinyl ether

Concen: 2372.190 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.01 min

Lab File: VF060821.D

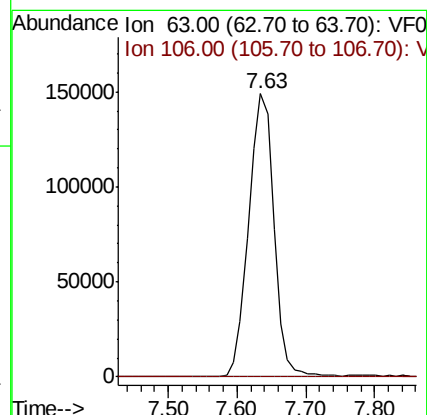
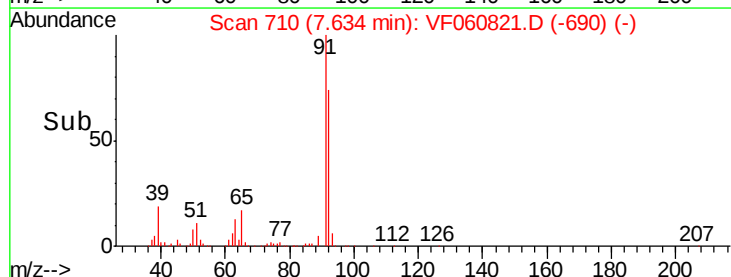
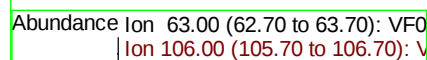
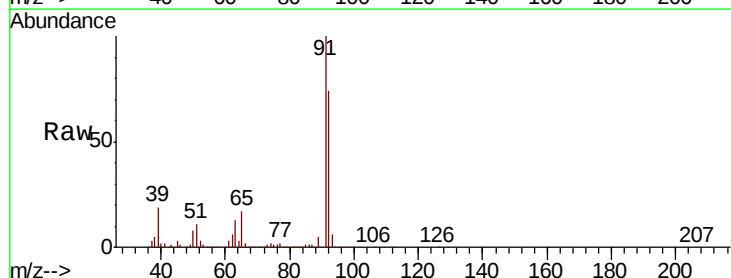
Acq: 20 Nov 2018 23:57

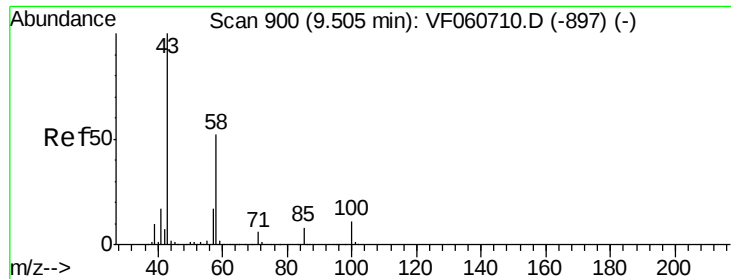
Tgt Ion: 63 Resp: 383439

Ion Ratio Lower Upper

63 100

106 0.1 0.0 0.0#

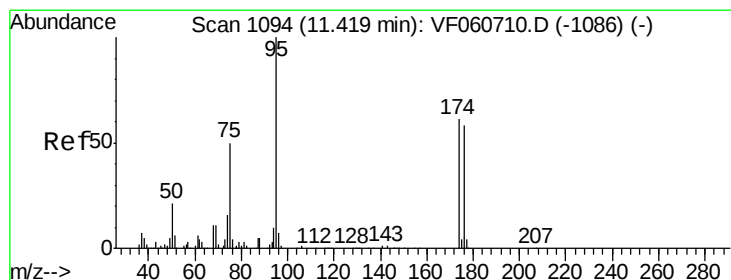
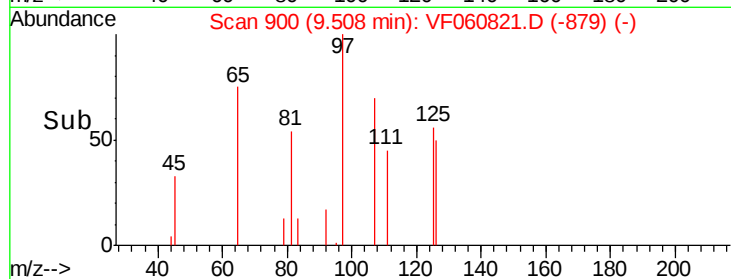
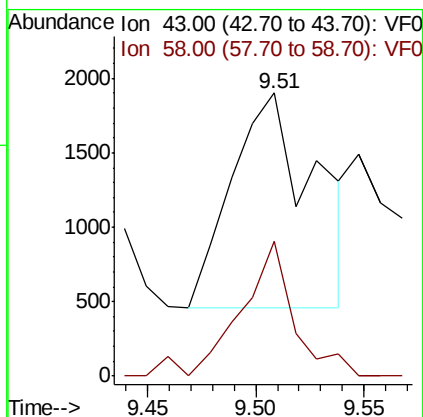
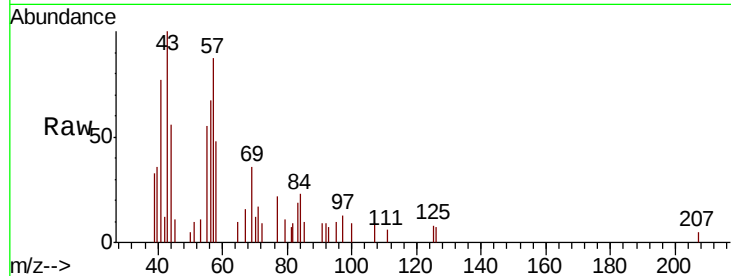




#59
2-Hexanone
Concen: 4.205 ug/l
RT: 9.51 min Scan# 900
Delta R.T. 0.00 min
Lab File: VF060821.D
Acq: 20 Nov 2018 23:57

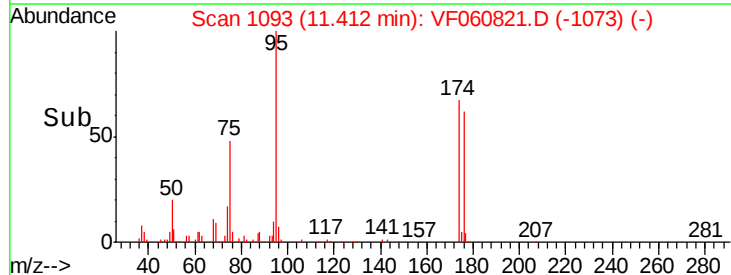
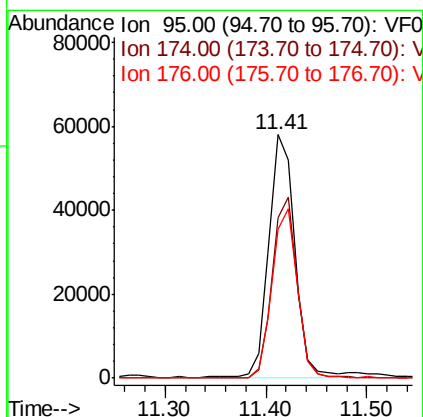
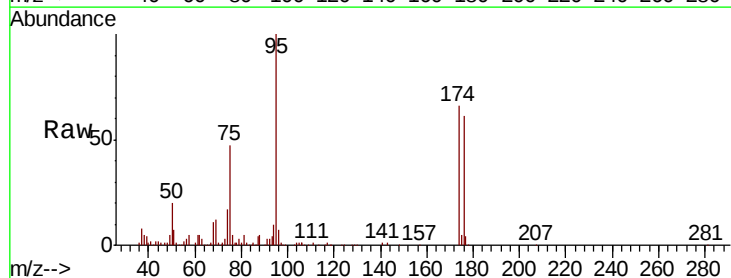
Instrument :
MSVOA_F
ClientSampled :

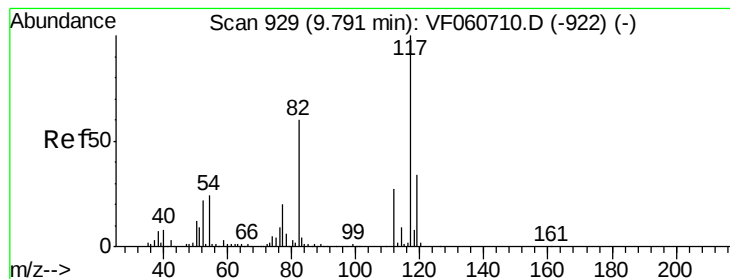
Tot Ion: 43 Resp: 3846
Ion Ratio Lower Upper
43 100
58 47.7 24.9 74.7



#62
4-Bromofluorobenzene
Concen: 35.541 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VF060821.D
Acq: 20 Nov 2018 23:57

Tgt Ion: 95 Resp: 102786
Ion Ratio Lower Upper
95 100
174 65.7 0.0 121.6
176 61.2 0.0 115.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.78 min Scan# 928

Delta R.T. -0.01 min

Lab File: VF060821.D

Acq: 20 Nov 2018 23:57

Instrument :
MSVOA_F
ClientSampleId :

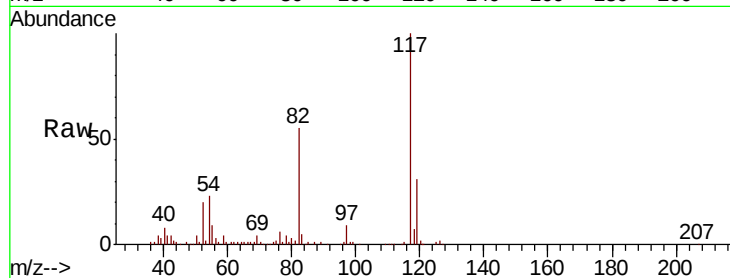
Tot Ion:117 Resp: 244106

Ion Ratio Lower Upper

117 100

82 54.8 47.9 71.9

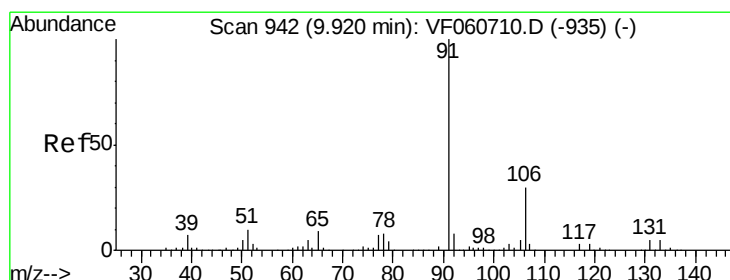
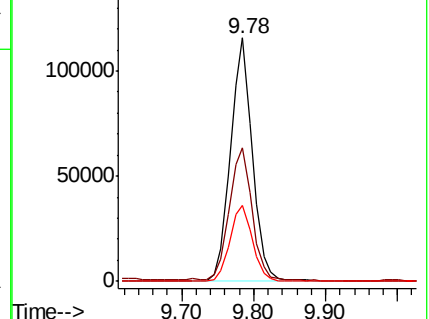
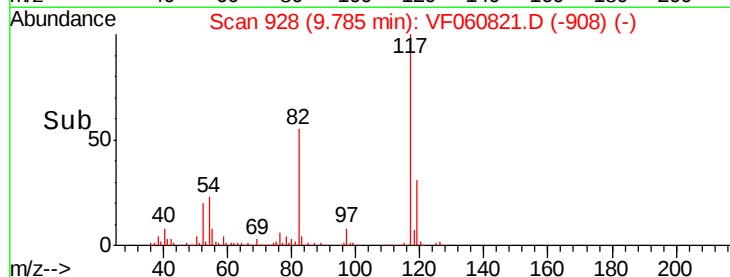
119 31.4 26.8 40.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#67

Ethyl Benzene

Concen: 503.598 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.01 min

Lab File: VF060821.D

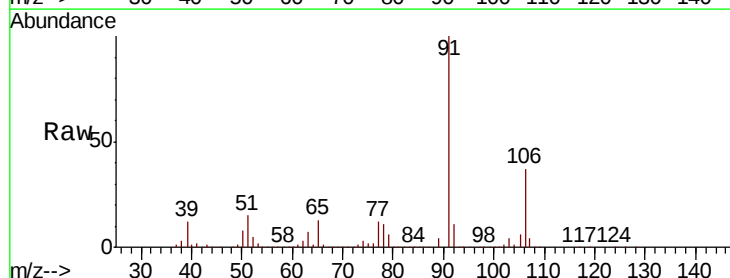
Acq: 20 Nov 2018 23:57

Tgt Ion: 91 Resp: 4675909

Ion Ratio Lower Upper

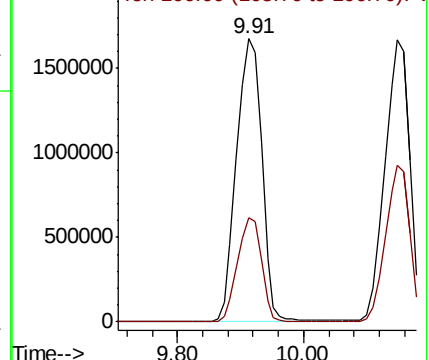
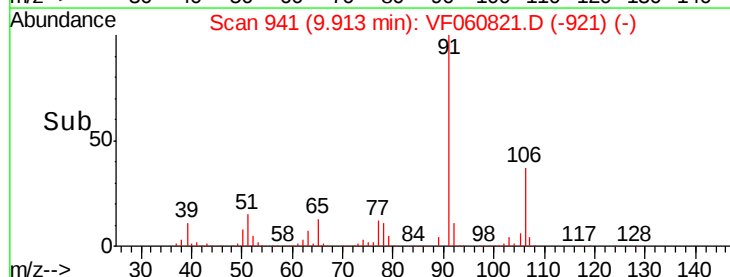
91 100

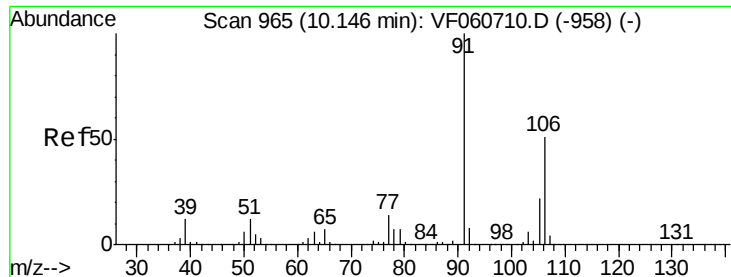
106 36.6 23.9 35.9#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 747.666 ug/l

RT: 10.15 min Scan# 965

Delta R.T. 0.00 min

Lab File: VF060821.D

Acq: 20 Nov 2018 23:57

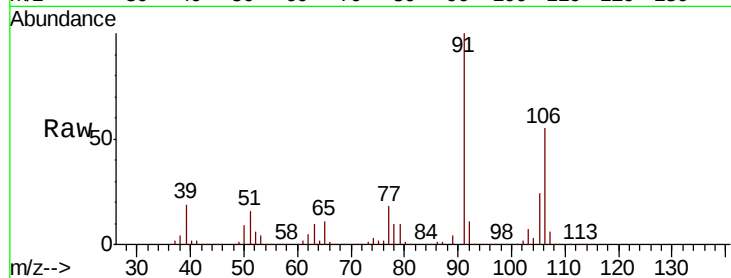
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:106 Resp: 2480905

Ion Ratio Lower Upper

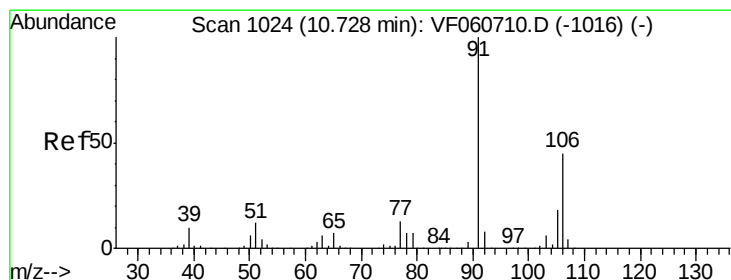
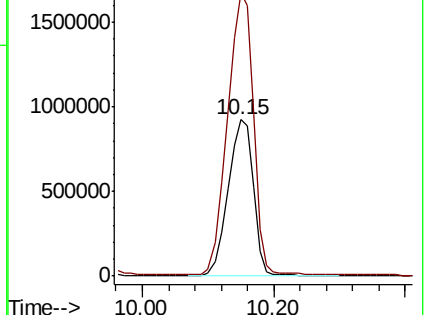
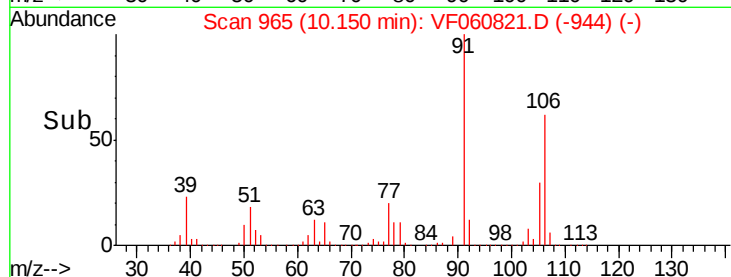
106 100

91 180.9 158.2 237.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#69

o-Xylene

Concen: 402.356 ug/l

RT: 10.72 min Scan# 1023

Delta R.T. -0.01 min

Lab File: VF060821.D

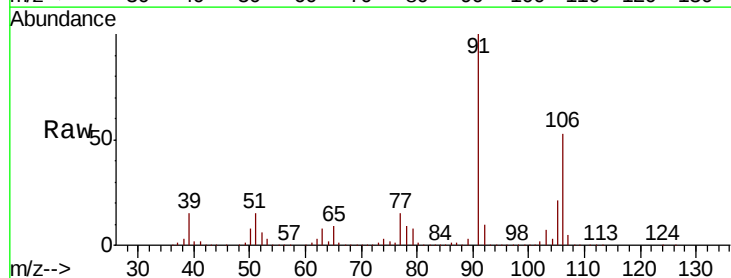
Acq: 20 Nov 2018 23:57

Tgt Ion:106 Resp: 1501027

Ion Ratio Lower Upper

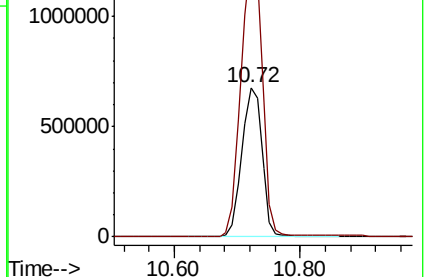
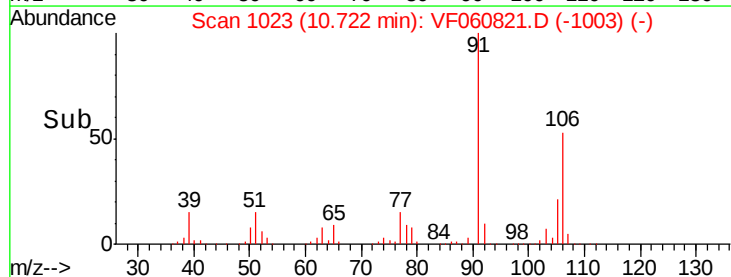
106 100

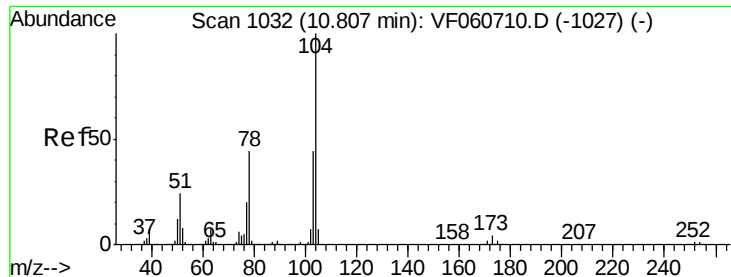
91 189.8 110.3 330.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

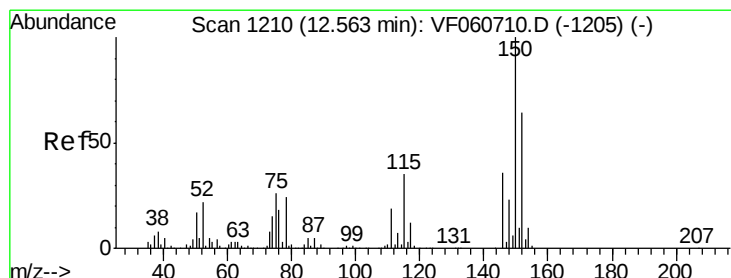
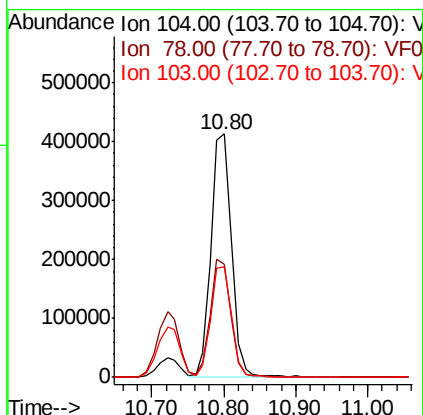
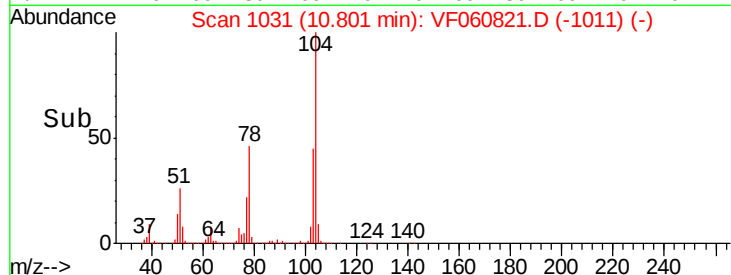
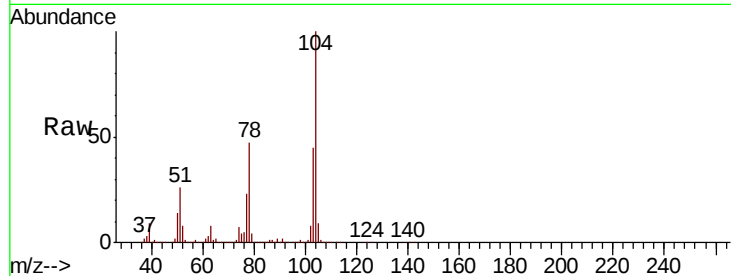




#70
Stvrene
Concen: 158.963 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VF060821.D
Acq: 20 Nov 2018 23:57

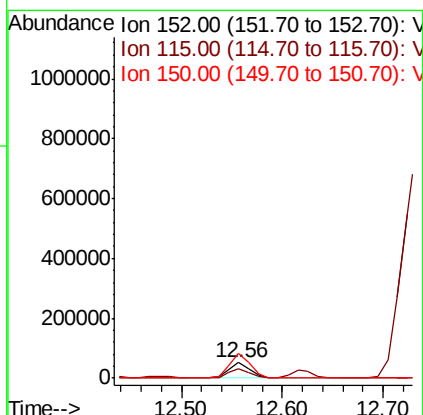
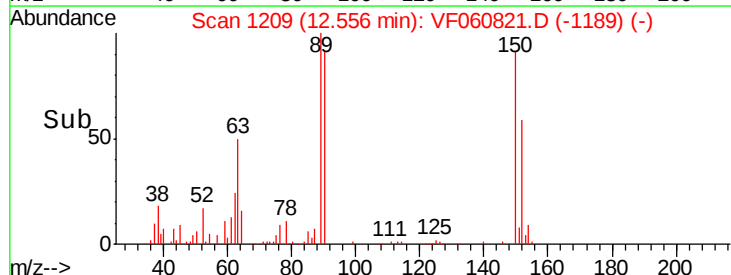
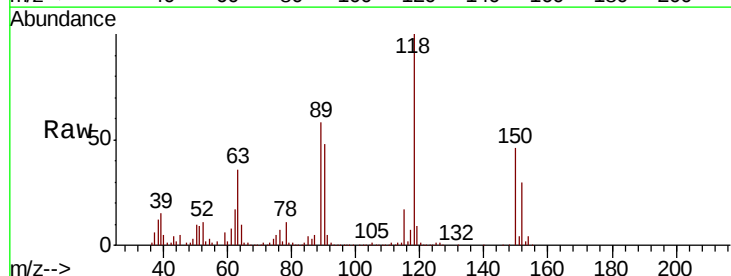
Instrument :
MSVOA_F
ClientSampled :

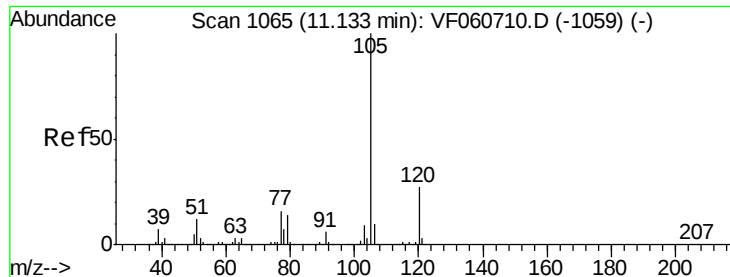
Tot Ion:104 Resp: 804824
Ion Ratio Lower Upper
104 100
78 46.6 35.4 53.2
103 45.4 35.8 53.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1209
Delta R.T. -0.01 min
Lab File: VF060821.D
Acq: 20 Nov 2018 23:57

Tgt Ion:152 Resp: 75109
Ion Ratio Lower Upper
152 100
115 57.2 27.9 83.7
150 154.3 0.0 316.4





#73

Isopropylbenzene

Concen: 35.857 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. -0.01 min

Lab File: VF060821.D

Acq: 20 Nov 2018 23:57

Instrument :

MSVOA_F

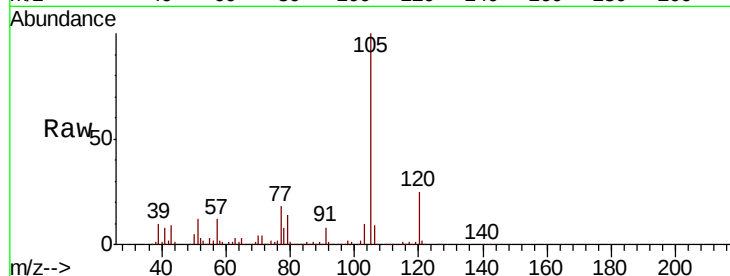
ClientSampled :

Tot Ion:105 Resp: 216784

Ion Ratio Lower Upper

105 100

120 25.2 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

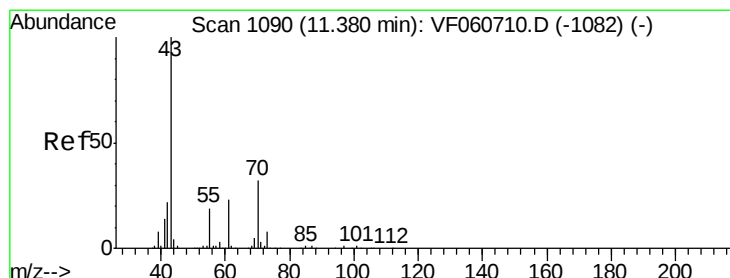
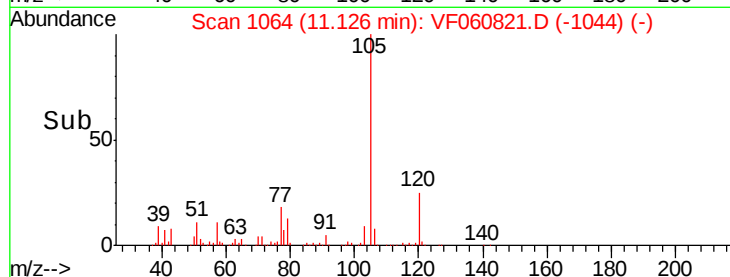
11.13

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 3.195 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. 0.02 min

Lab File: VF060821.D

Acq: 20 Nov 2018 23:57

Tgt Ion: 43 Resp: 4398

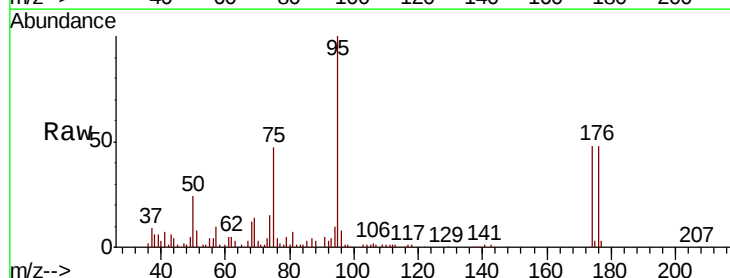
Ion Ratio Lower Upper

43 100

70 51.8 25.5 38.3#

55 63.5 14.9 22.3#

61 82.7 18.6 27.8#



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

8000

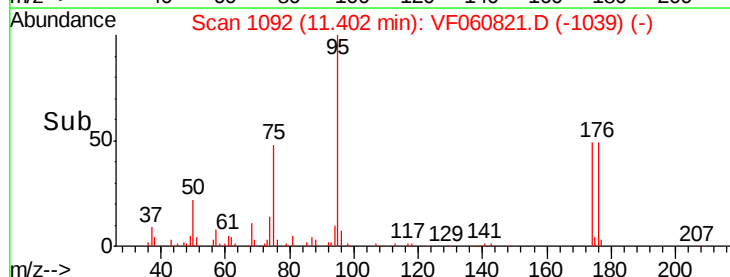
6000

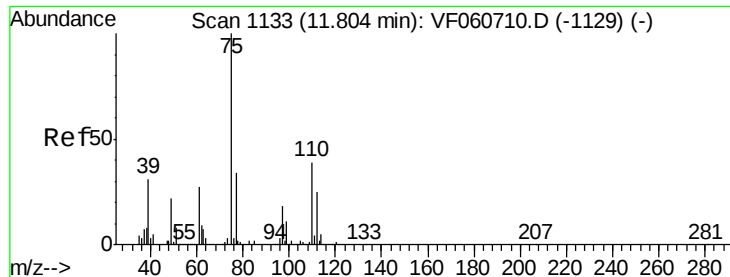
4000

2000

0

Time-->





#76

1,2,3-Trichloropropane

Concen: 16.690 ug/l

RT: 11.83 min Scan# 1135

Delta R.T. 0.02 min

Lab File: VF060821.D

Acq: 20 Nov 2018 23:57

Instrument :

MSVOA_F

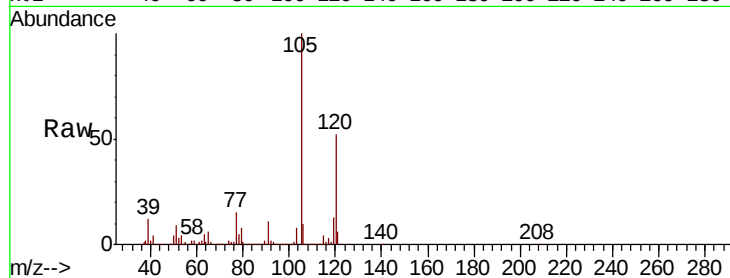
ClientSampleId :

Tot Ion: 75 Resp: 12390

Ion Ratio Lower Upper

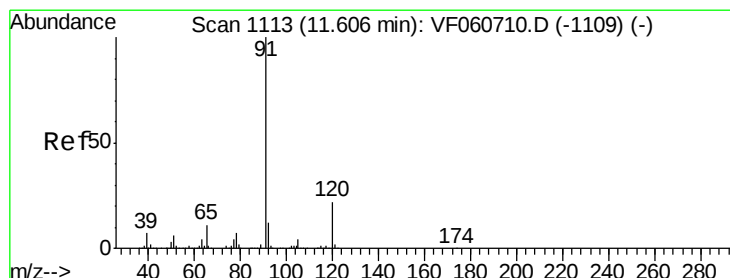
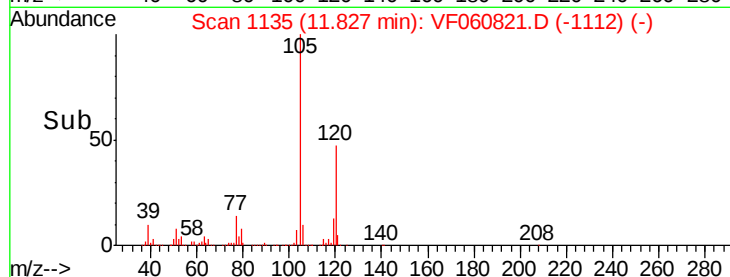
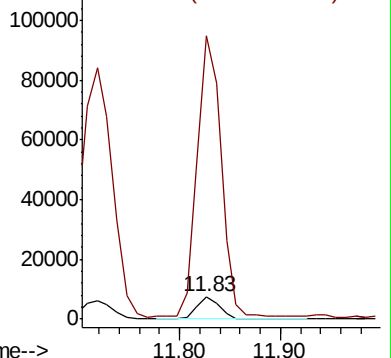
75 100

77 1253.5 17.0 51.0#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#78

n-propylbenzene

Concen: 35.309 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF060821.D

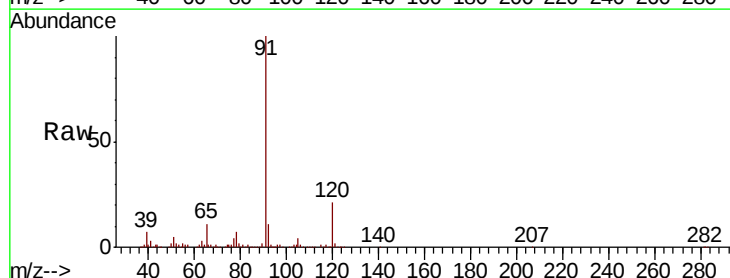
Acq: 20 Nov 2018 23:57

Tgt Ion: 91 Resp: 248965

Ion Ratio Lower Upper

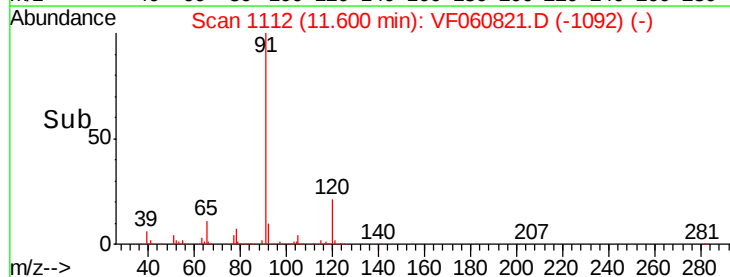
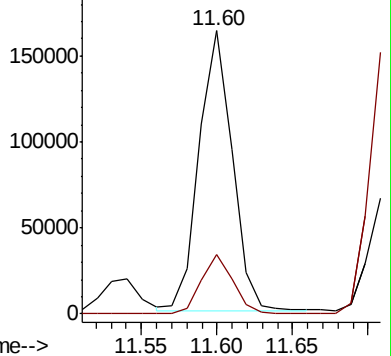
91 100

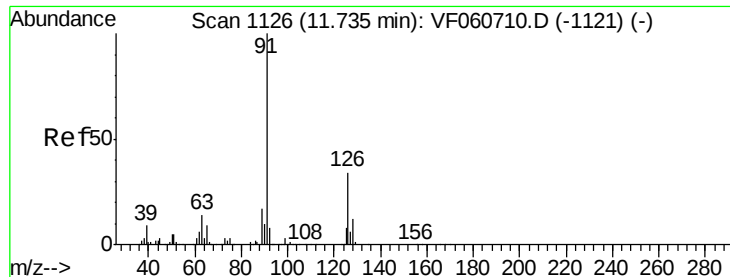
120 21.1 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

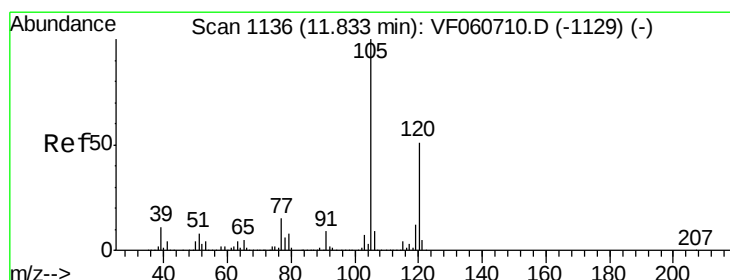
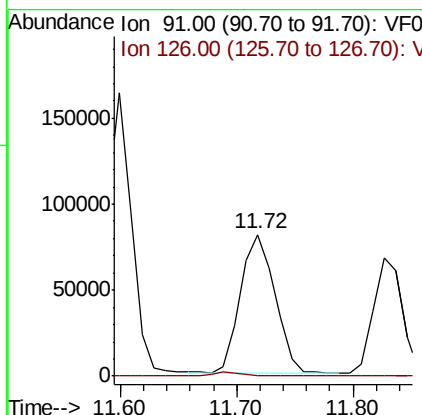
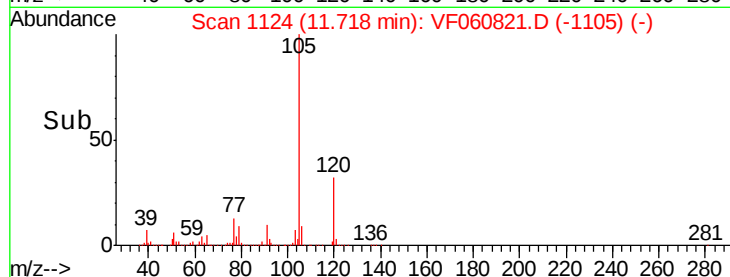
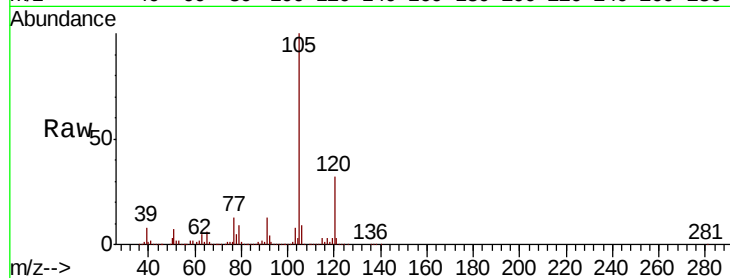




#79
2-Chlorotoluene
Concen: 41.035 ug/l
RT: 11.72 min Scan# 1124
Delta R.T. -0.02 min
Lab File: VF060821.D
Acq: 20 Nov 2018 23:57

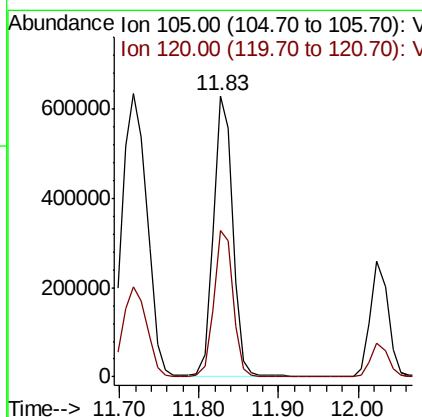
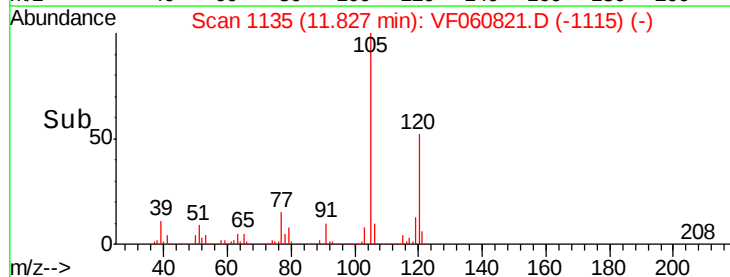
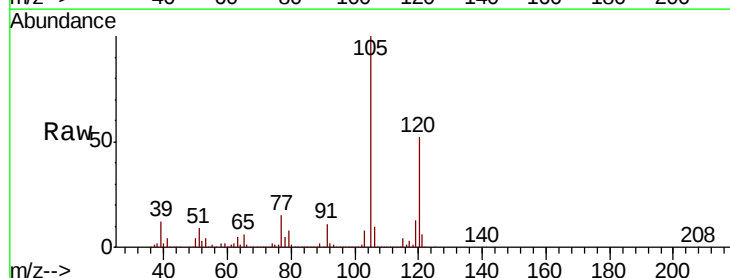
Instrument :
MSVOA_F
ClientSampled :

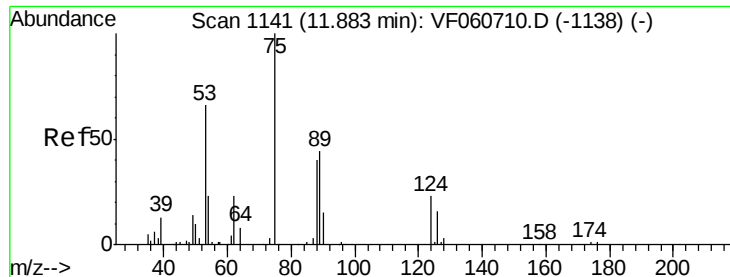
Tot Ion: 91 Resp: 168166
Ion Ratio Lower Upper
91 100
126 0.5 16.8 50.4#



#80
1,3,5-Trimethylbenzene
Concen: 224.912 ug/l
RT: 11.83 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VF060821.D
Acq: 20 Nov 2018 23:57

Tgt Ion:105 Resp: 1079532
Ion Ratio Lower Upper
105 100
120 52.3 25.6 76.8

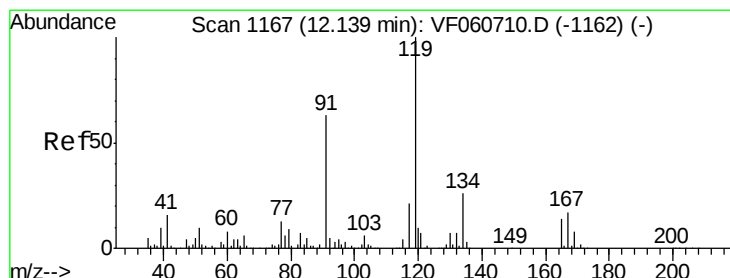
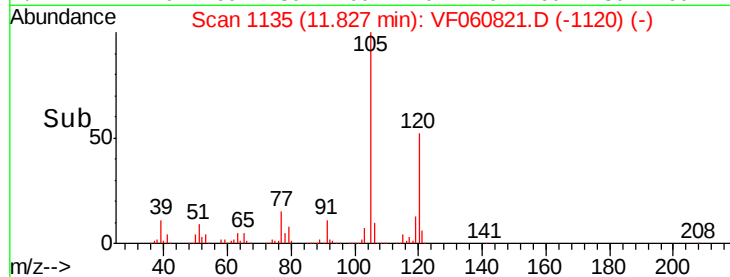
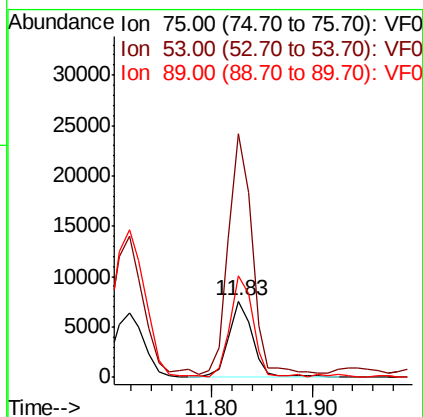
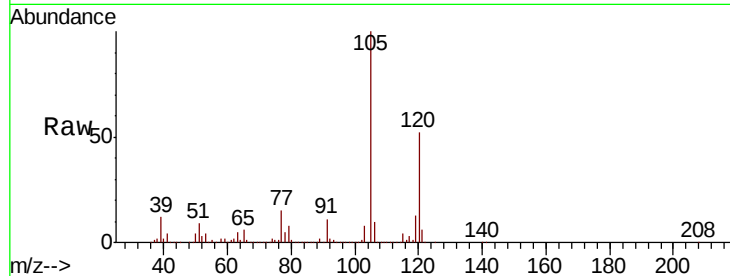




#81
 trans-1,4-Dichloro-2-butene
 Concen: 33.973 ug/l
 RT: 11.83 min Scan# 1135
 Delta R.T. -0.06 min
 Lab File: VF060821.D
 Acq: 20 Nov 2018 23:57

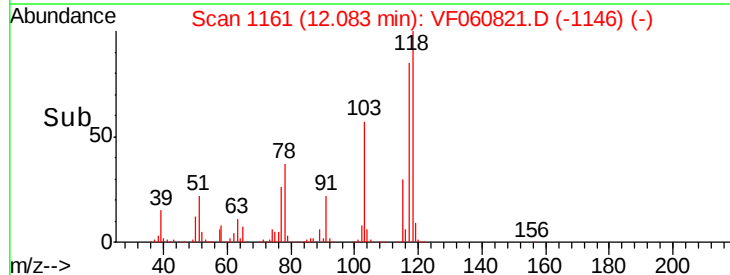
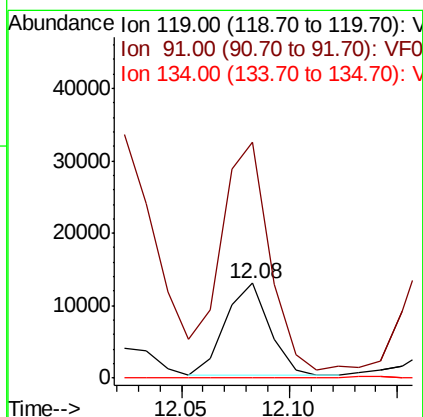
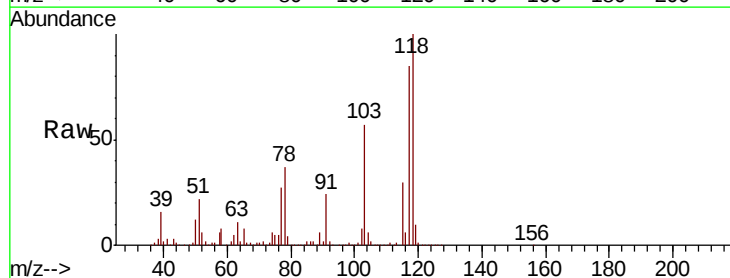
Instrument :
 MSVOA_F
 ClientSampleId :

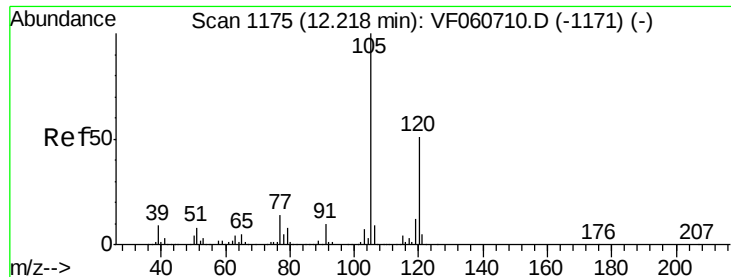
Tot Ion: 75 Resp: 12390
 Ion Ratio Lower Upper
 75 100
 53 319.6 57.0 85.4#
 89 134.0 37.8 56.8#



#83
 tert-Butylbenzene
 Concen: 3.593 ug/l
 RT: 12.08 min Scan# 1161
 Delta R.T. -0.06 min
 Lab File: VF060821.D
 Acq: 20 Nov 2018 23:57

Tgt Ion: 119 Resp: 18313
 Ion Ratio Lower Upper
 119 100
 91 249.1 31.4 94.3#
 134 0.0 12.8 38.4#

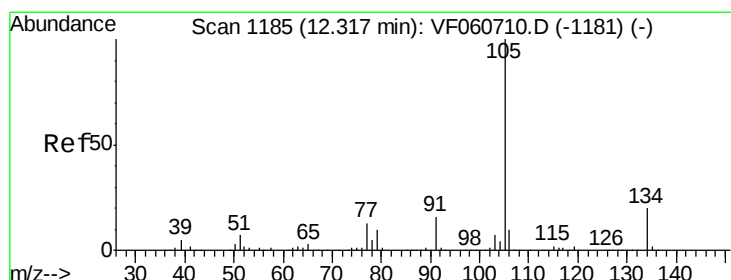
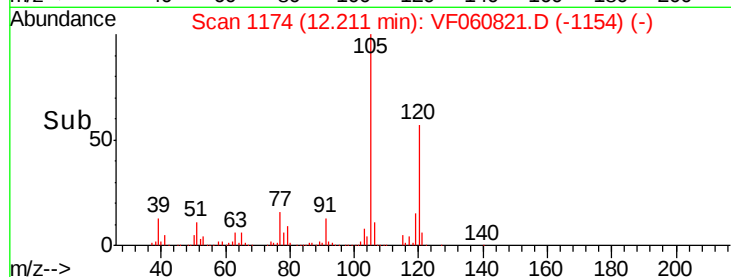
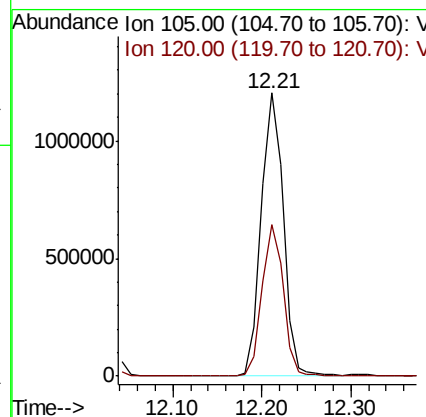
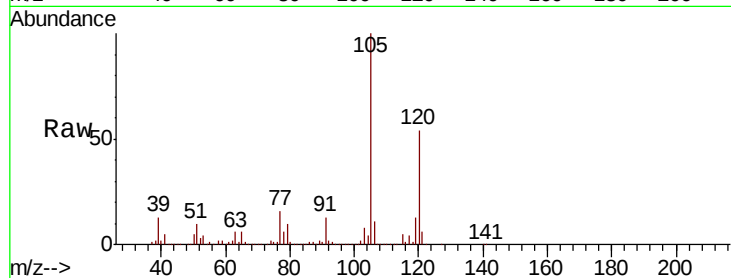




#84
 1,2,4-Trimethylbenzene
 Concen: 412.481 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VF060821.D
 Acq: 20 Nov 2018 23:57

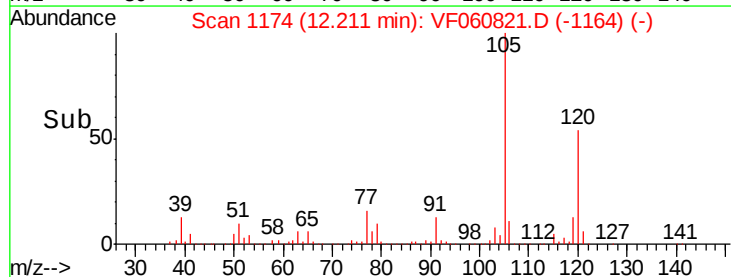
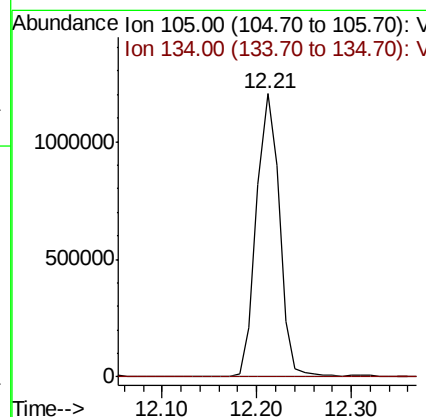
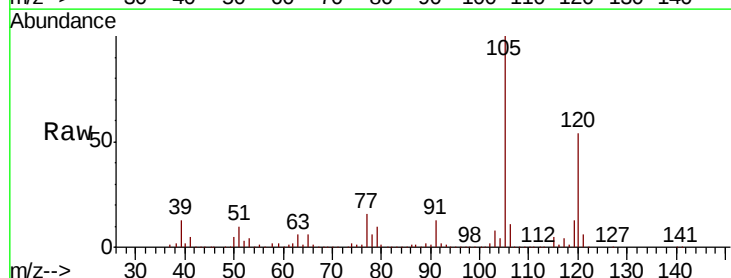
Instrument :
 MSVOA_F
 ClientSampleId :

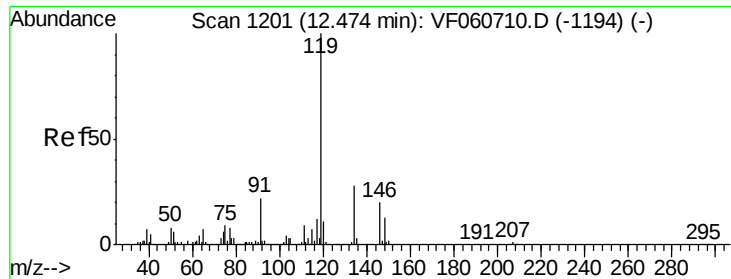
Tot Ion:105 Resp: 2047581
 Ion Ratio Lower Upper
 105 100
 120 53.7 25.5 76.5



#85
 sec-Butylbenzene
 Concen: 296.126 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. -0.11 min
 Lab File: VF060821.D
 Acq: 20 Nov 2018 23:57

Tgt Ion:105 Resp: 2047183
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.3#

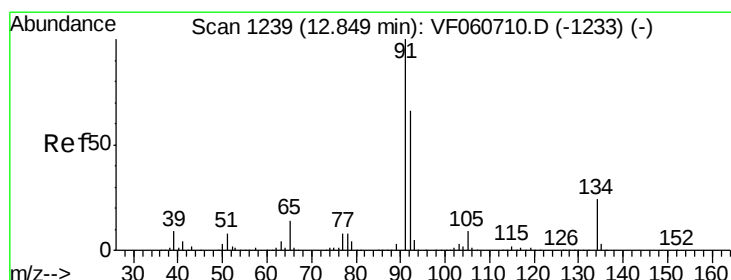
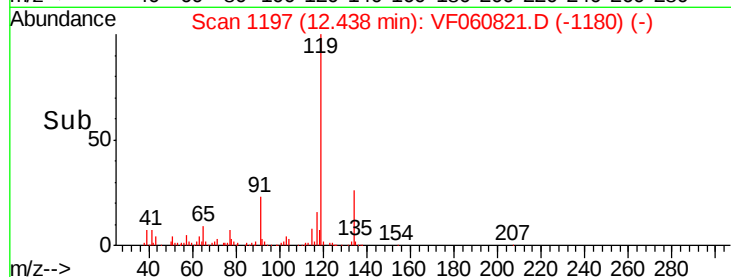
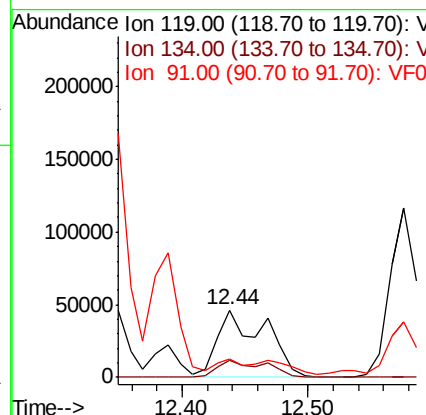
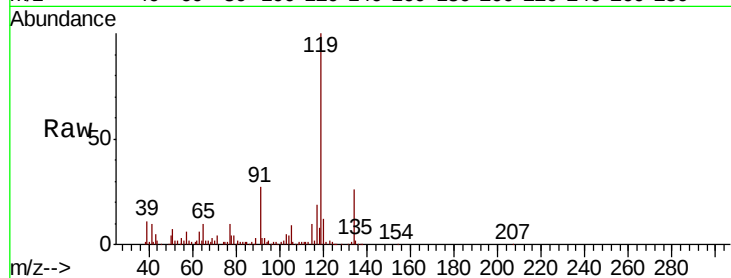




#86
 p-Isopropyltoluene
 Concen: 20.805 ug/l
 RT: 12.44 min Scan# 1197
 Delta R.T. -0.04 min
 Lab File: VF060821.D
 Acq: 20 Nov 2018 23:57

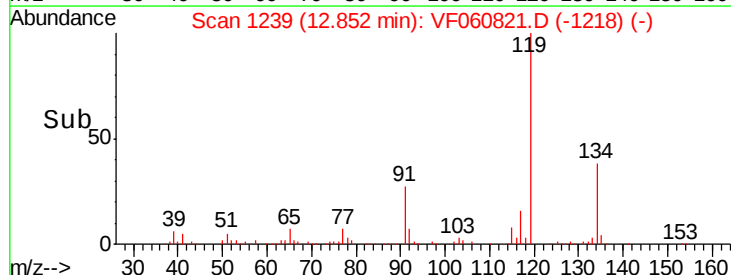
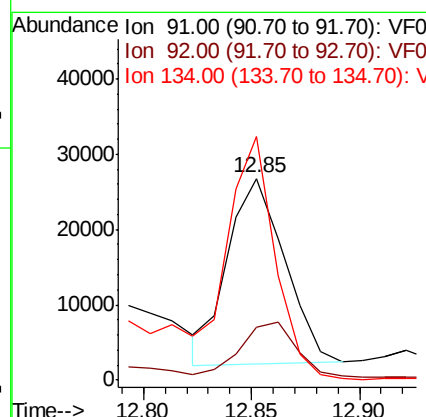
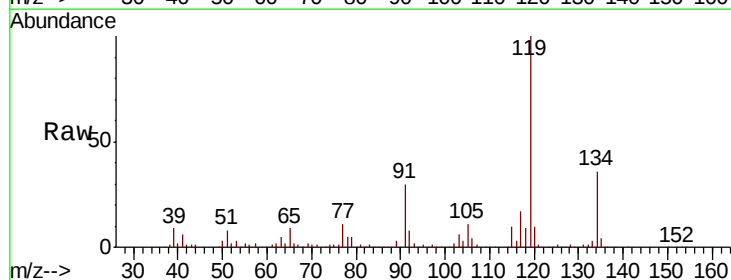
Instrument :
 MSVOA_F
 ClientSampled :

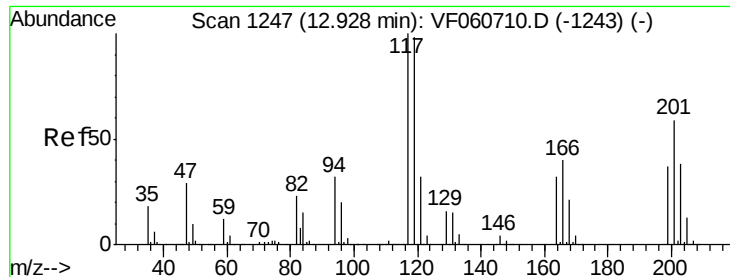
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.9	41.7
91	27.3	11.3	33.9



#89
 n-Butylbenzene
 Concen: 7.664 ug/l
 RT: 12.85 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VF060821.D
 Acq: 20 Nov 2018 23:57

Tgt Ion	Ratio	Lower	Upper
91	100		
92	26.0	33.1	99.2#
134	120.8	11.9	35.9#





#90

Hexachloroethane

Concen: 895.422 ug/l

RT: 13.04 min Scan# 1258

Delta R.T. 0.11 min

Lab File: VF060821.D

Acq: 20 Nov 2018 23:57

Instrument :

MSVOA_F

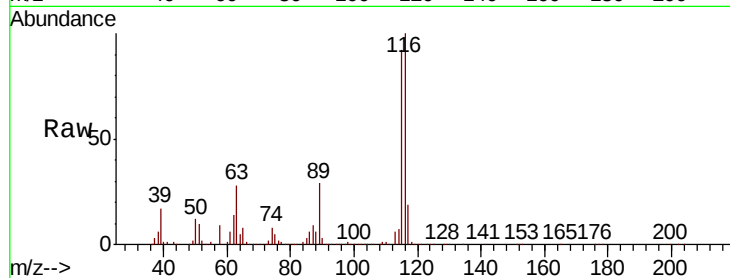
ClientSampleId :

Tot Ion:117 Resp: 1264540

Ion Ratio Lower Upper

117 100

201 0.0 29.4 88.3#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

13.04

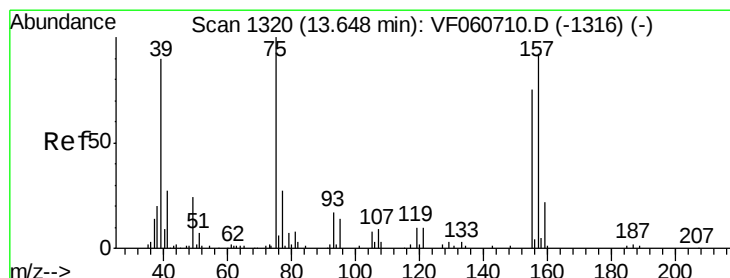
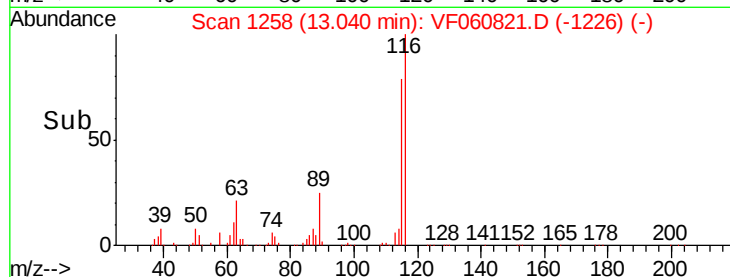
600000

400000

200000

0

Time--> 12.90 13.00 13.10



#92

1,2-Dibromo-3-Chloropropane

Concen: 308.836 ug/l

RT: 13.67 min Scan# 1322

Delta R.T. 0.02 min

Lab File: VF060821.D

Acq: 20 Nov 2018 23:57

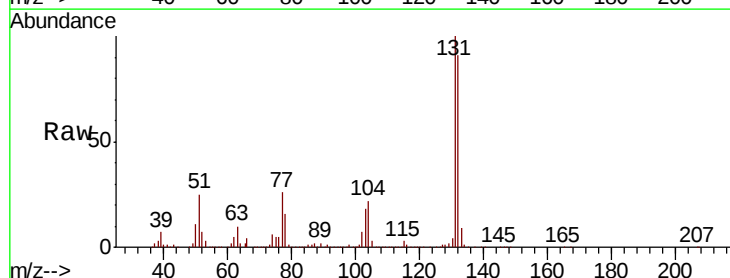
Tgt Ion: 75 Resp: 58020

Ion Ratio Lower Upper

75 100

155 0.0 37.4 112.2#

157 0.0 46.0 138.0#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

13.67

30000

25000

20000

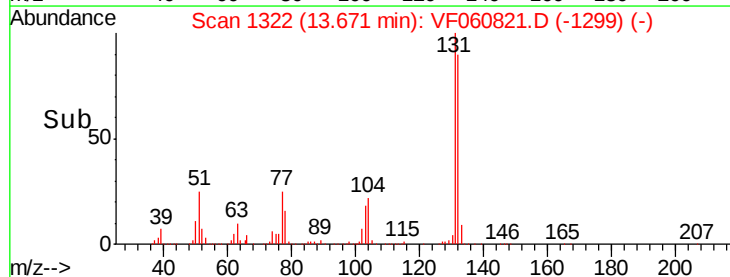
15000

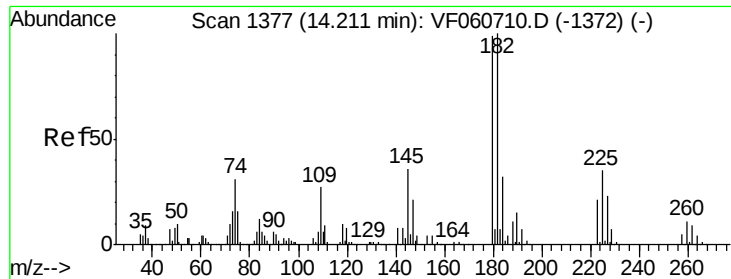
10000

5000

0

Time--> 13.60 13.70 13.80

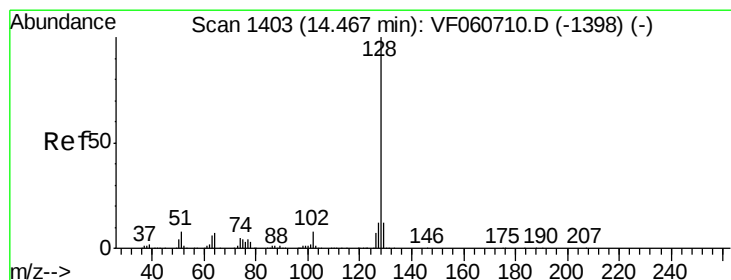
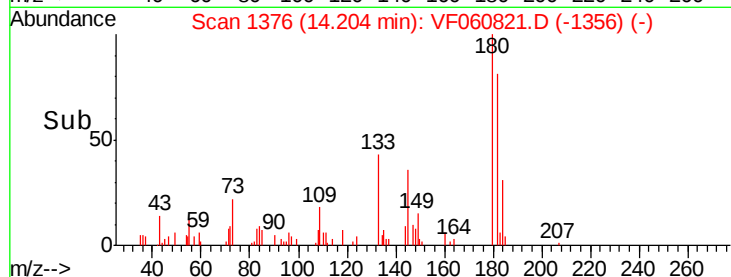
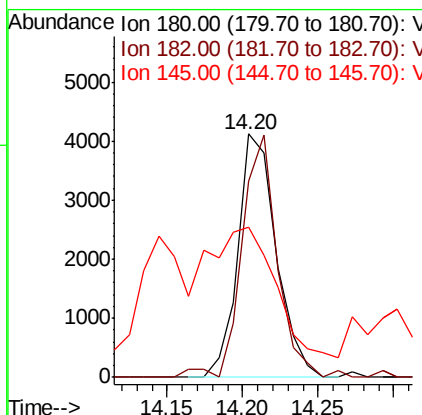
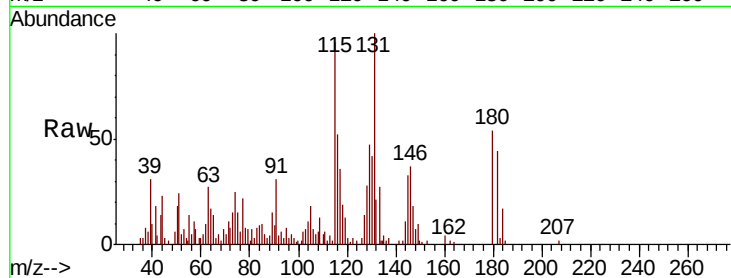




#93
 1,2,4-Trichlorobenzene
 Concen: 4.295 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF060821.D
 Acq: 20 Nov 2018 23:57

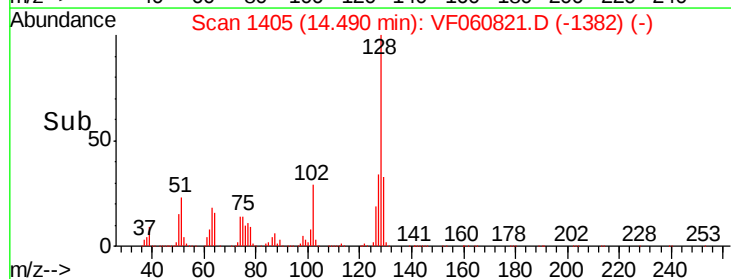
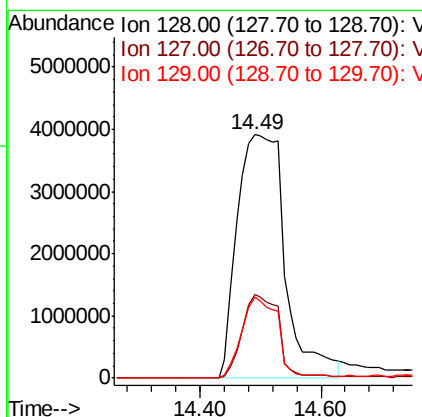
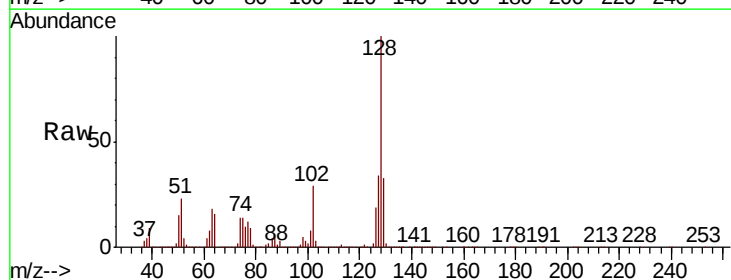
Instrument :
 MSVOA_F
 ClientSampled :

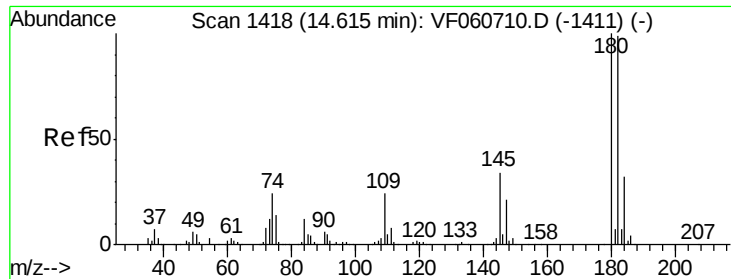
Tot Ion:180 Resp: 7279
 Ion Ratio Lower Upper
 180 100
 182 80.8 50.3 151.0
 145 61.9 18.3 54.9#



#95
 Naphthalene
 Concen: 6974.506 ug/l
 RT: 14.49 min Scan# 1405
 Delta R.T. 0.02 min
 Lab File: VF060821.D
 Acq: 20 Nov 2018 23:57

Tgt Ion:128 Resp:21569024
 Ion Ratio Lower Upper
 128 100
 127 34.5 9.8 14.6#
 129 33.1 9.3 13.9#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.056 ug/l
 RT: 14.62 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VF060821.D
 Acq: 20 Nov 2018 23:57

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:180 Resp: 1654
 Ion Ratio Lower Upper
 180 100
 182 113.7 49.6 149.0
 145 1737.1 16.9 50.7#

