

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100318\
 Data File : VF060427.D
 Acq On : 3 Oct 2018 21:02
 Operator : VA/AP
 Sample : J5194-01
 Misc : 6.52/5mL/MSVOA F/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 HR-06-100218-A

Quant Time: Oct 04 05:23:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	148288	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.75	114	263555	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	140541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	85232	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	164493	70.89	ug/l	0.00
Spiked Amount			Recovery	=	141.78%	
35) Dibromofluoromethane	4.27	113	146565	59.20	ug/l	0.00
Spiked Amount			Recovery	=	118.40%	
50) Toluene-d8	7.69	98	214671	35.21	ug/l	0.00
Spiked Amount			Recovery	=	70.42%	
62) 4-Bromofluorobenzene	11.50	95	130927	47.03	ug/l	0.01
Spiked Amount			Recovery	=	94.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	482	Below Cal	#	71
8) Diethyl Ether	1.69	74	2152	3.231	ug/l	68
11) Tert butyl alcohol	2.69	59	393	2.800	ug/l #	1
13) Acrolein	2.09	56	1749	15.495	ug/l #	7
15) Acrylonitrile	3.06	53	878	3.651	ug/l #	68
16) Acetone	2.32	43	15882	10.526	ug/l #	86
18) Methyl Acetate	2.44	43	4585	3.608	ug/l #	86
20) Methylene Chloride	2.27	84	11887	1.632	ug/l #	94
25) 2-Butanone	4.50	43	3058	5.090	ug/l #	91
29) Tetrahydrofuran	4.26	42	840	Below Cal	#	46
37) Ethyl Acetate	4.28	43	1406	1.130	ug/l #	23
39) Methylcyclohexane	5.61	83	17661	5.544	ug/l #	84
43) Isopropyl Acetate	7.16	43	3672	2.442	ug/l #	44
48) Methyl methacrylate	6.95	41	21318	19.749	ug/l #	35
49) 1,4-Dioxane	6.79	88	215	23.100	ug/l #	1
51) 4-Methyl-2-Pentanone	8.41	43	54695	51.096	ug/l #	43
52) Toluene	7.77	92	9889	2.257	ug/l	92
56) Ethyl methacrylate	8.75	69	104430	66.173	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.76	63	3013	18.691	ug/l	100
59) 2-Hexanone	9.66	43	11422	14.548	ug/l #	34
67) Ethyl Benzene	10.02	91	22584	4.114	ug/l	97
68) m/p-Xylenes	10.24	106	10277	5.446	ug/l #	62
69) o-Xylene	10.81	106	370667	180.208	ug/l	91
70) Styrene	10.81	104	19654	6.718	ug/l #	1
73) Isopropylbenzene	11.22	105	15067	2.245	ug/l	90
74) N-amyl acetate	11.47	43	42648	27.690	ug/l #	37
75) 1,1,2,2-Tetrachloroethane	11.76	83	46470	37.981	ug/l #	65
76) 1,2,3-Trichloropropane	11.90	75	11086	12.308	ug/l #	1
78) n-propylbenzene	11.68	91	31429	3.863	ug/l	89
79) 2-Chlorotoluene	11.80	91	22617	4.752	ug/l #	58
80) 1,3,5-Trimethylbenzene	11.91	105	861163	151.037	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.96	75	545	1.365	ug/l #	1
82) 4-Chlorotoluene	11.90	91	98642	20.258	ug/l #	44
83) tert-Butylbenzene	12.20	119	13859	2.464	ug/l	76

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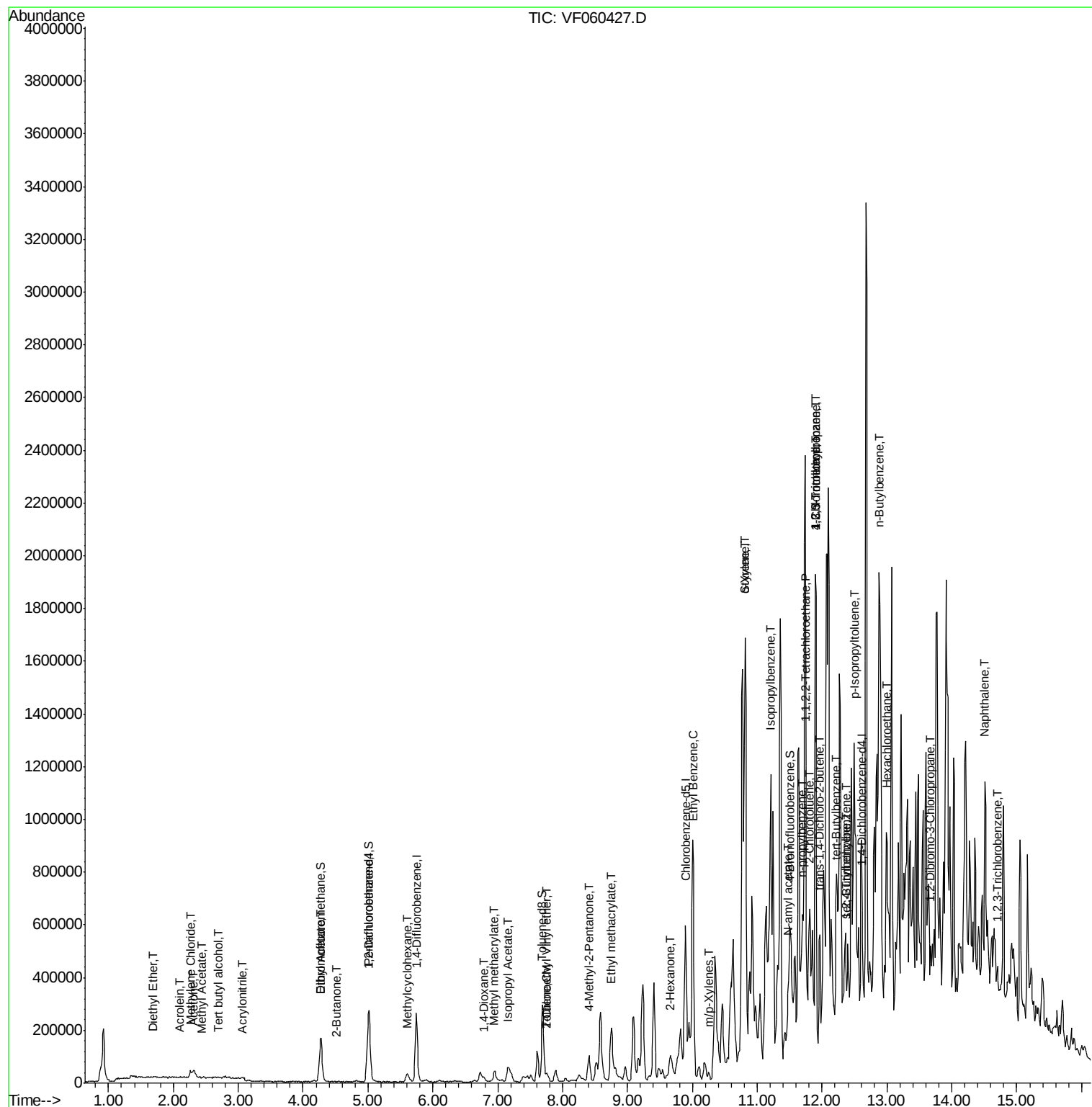
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,2,4-Trimethylbenzene	12.38	105	69131	12.226	ug/l #	31
85) sec-Butylbenzene	12.38	105	69717	8.981	ug/l	96
86) p-Isopropyltoluene	12.50	119	346905	54.702	ug/l	99
89) n-Butylbenzene	12.89	91	135679	20.218	ug/l #	1
90) Hexachloroethane	12.99	117	24735	15.091	ug/l #	27
92) 1,2-Dibromo-3-Chloropropan	13.67	75	1588	6.695	ug/l #	12
95) Naphthalene	14.52	128	34519	9.550	ug/l #	5
96) 1,2,3-Trichlorobenzene	14.70	180	7214	3.807	ug/l #	1

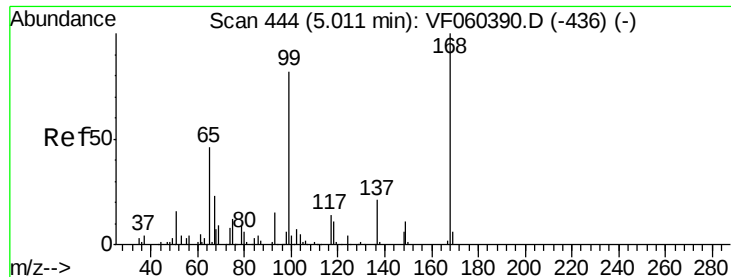
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 446

Delta R.T. 0.01 min

Lab File: VF060427.D

Acq: 3 Oct 2018 21:02

Instrument :

MSVOA_F

ClientSampleId :

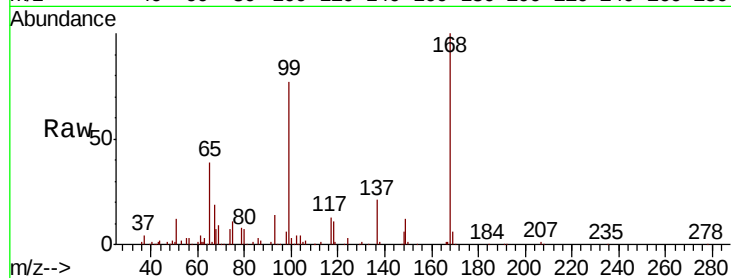
HR-06-100218-A

Tot Ion:168 Resp: 148288

Ion Ratio Lower Upper

168 100

99 77.1 65.3 97.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

40000

30000

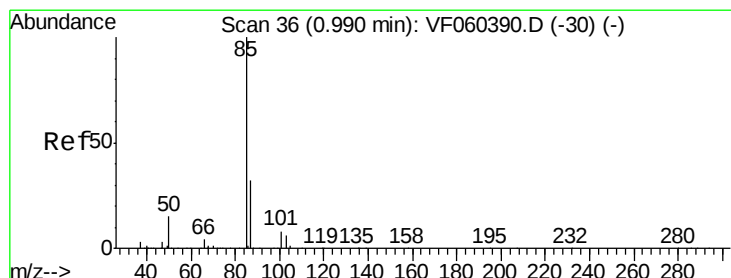
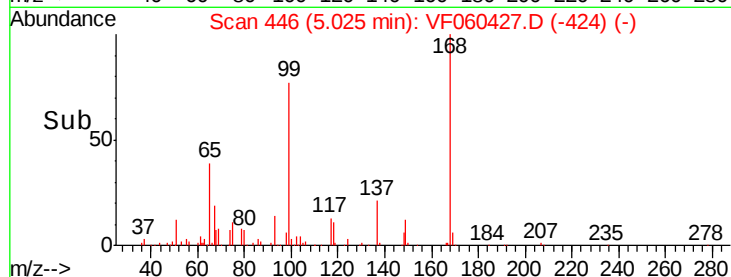
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.99 min Scan# 37

Delta R.T. 0.00 min

Lab File: VF060427.D

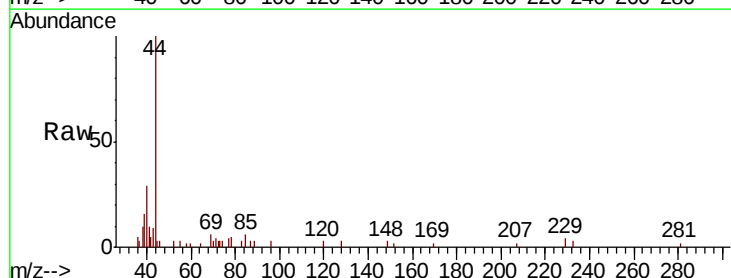
Acq: 3 Oct 2018 21:02

Tgt Ion: 85 Resp: 482

Ion Ratio Lower Upper

85 100

87 47.9 15.9 47.6#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

300

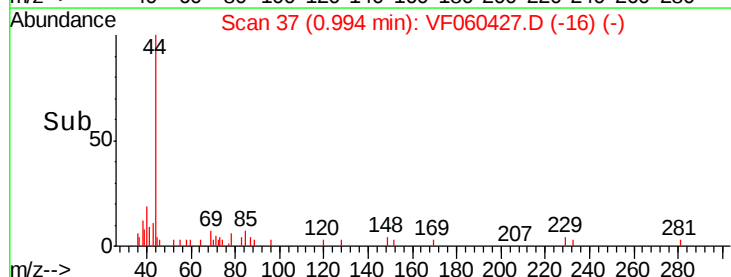
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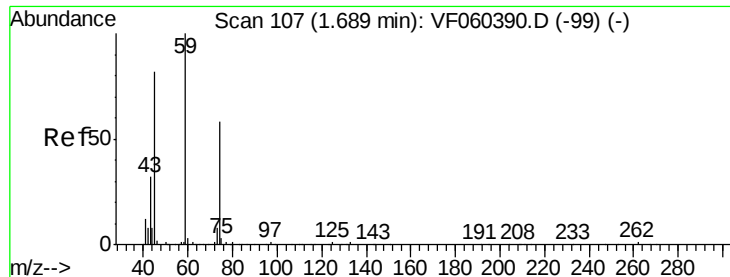
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0

0.95 1.00

Time-->

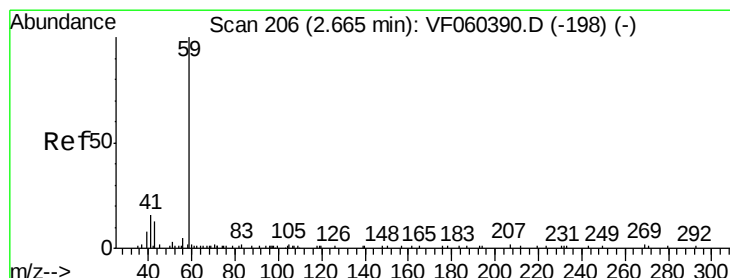
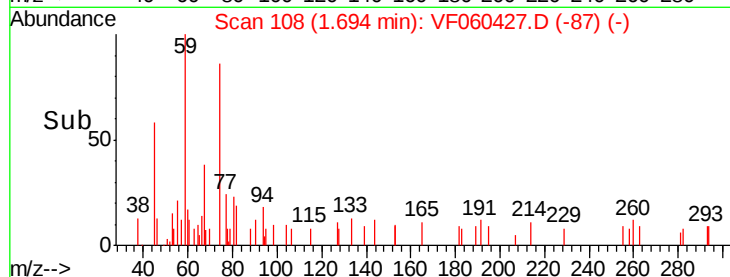
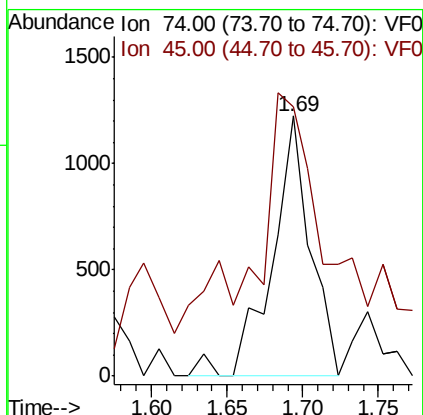
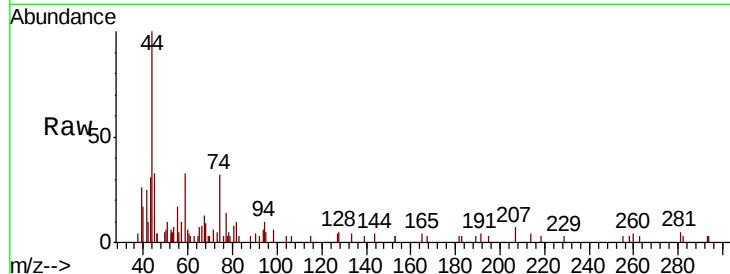




#8
Diethyl Ether
Concen: 3.231 ug/l
RT: 1.69 min Scan# 108
Delta R.T. 0.00 min
Lab File: VF060427.D
Acq: 3 Oct 2018 21:02

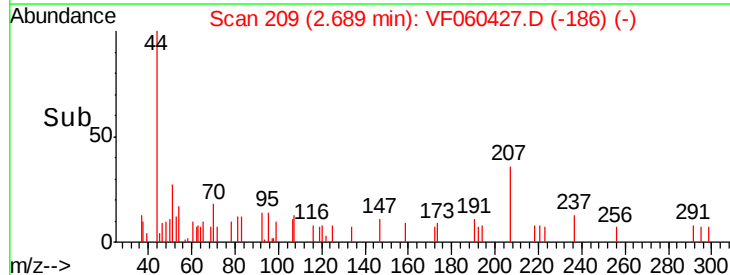
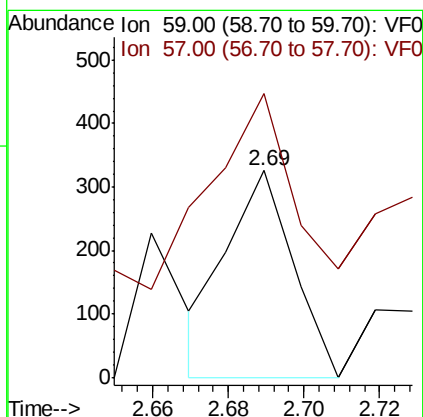
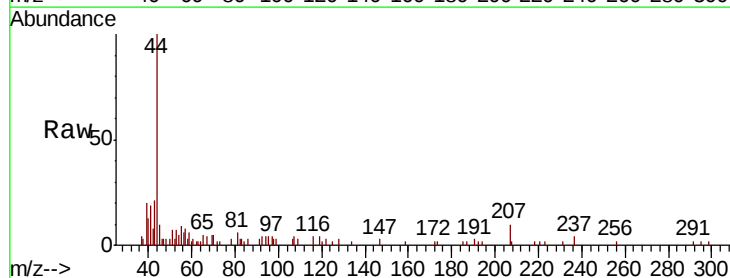
Instrument :
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HR-06-100218-A

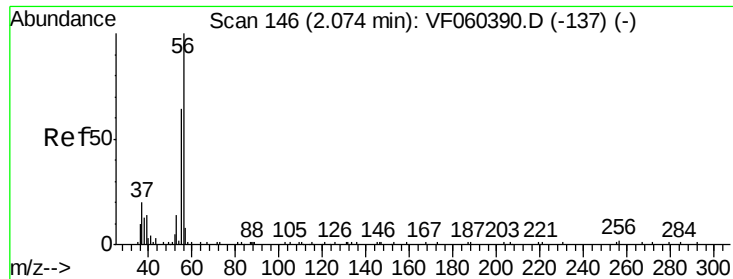
Tot Ion: 74 Resp: 2152
Ion Ratio Lower Upper
74 100
45 103.4 71.3 213.8



#11
Tert butyl alcohol
Concen: 2.800 ug/l
RT: 2.69 min Scan# 209
Delta R.T. 0.02 min
Lab File: VF060427.D
Acq: 3 Oct 2018 21:02

Tgt Ion: 59 Resp: 393
Ion Ratio Lower Upper
59 100
57 137.1 6.5 9.7#





#13

Acrolein

Concen: 15.495 ug/l

RT: 2.09 min Scan# 148

Delta R.T. 0.01 min

Lab File: VF060427.D

Acq: 3 Oct 2018 21:02

Instrument :

MSVOA_F

ClientSampleId :

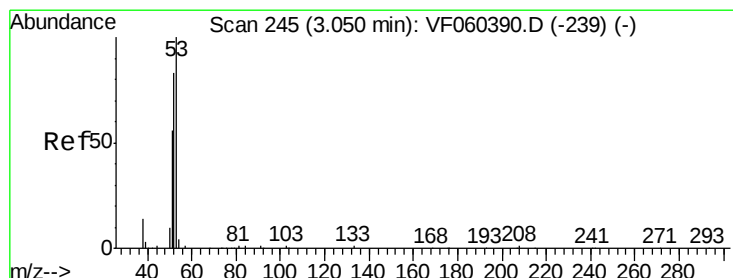
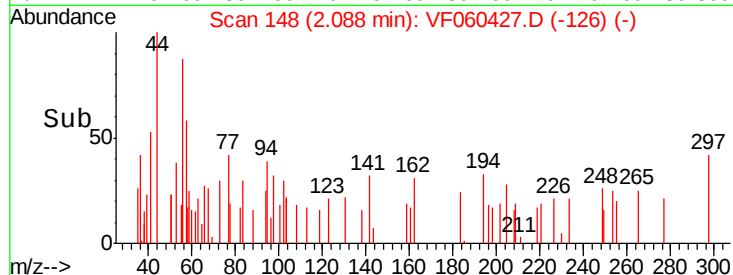
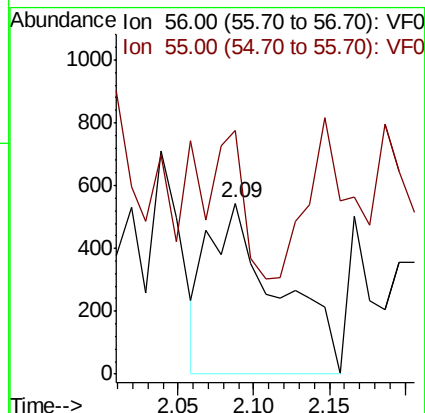
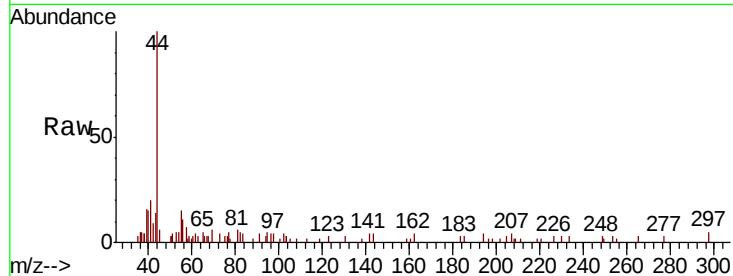
HR-06-100218-A

Tot Ion: 56 Resp: 1749

Ion Ratio Lower Upper

56 100

55 142.6 53.9 80.9#



#15

Acrylonitrile

Concen: 3.651 ug/l

RT: 3.06 min Scan# 247

Delta R.T. 0.01 min

Lab File: VF060427.D

Acq: 3 Oct 2018 21:02

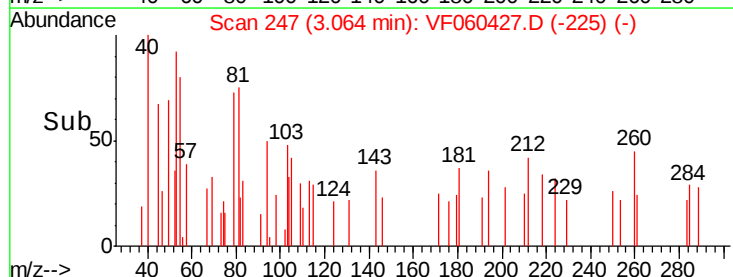
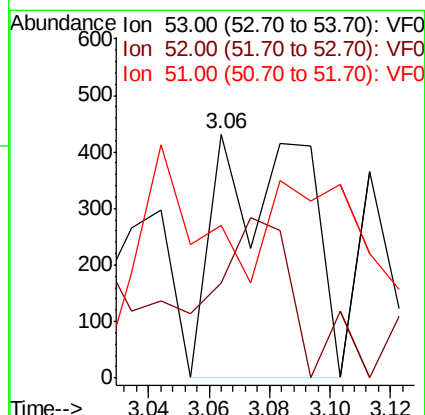
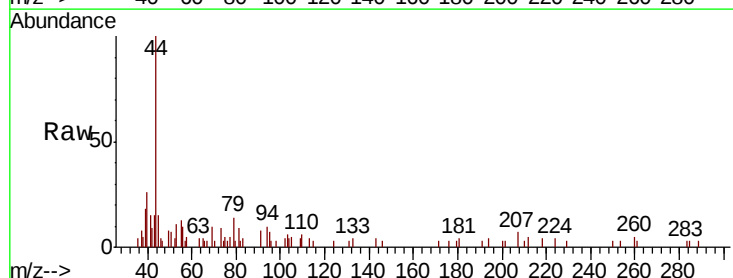
Tgt Ion: 53 Resp: 878

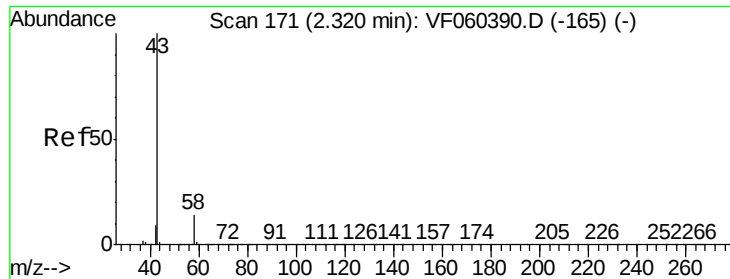
Ion Ratio Lower Upper

53 100

52 39.2 66.0 99.0#

51 62.6 45.6 68.4





#16

Acetone

Concen: 10.526 ug/l

RT: 2.32 min Scan# 172

Delta R.T. 0.00 min

Lab File: VF060427.D

Acq: 3 Oct 2018 21:02

Instrument :

MSVOA_F

ClientSampleId :

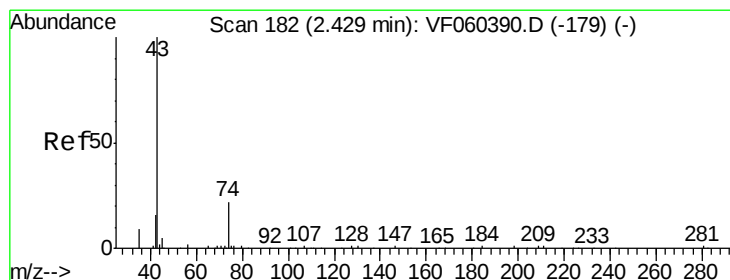
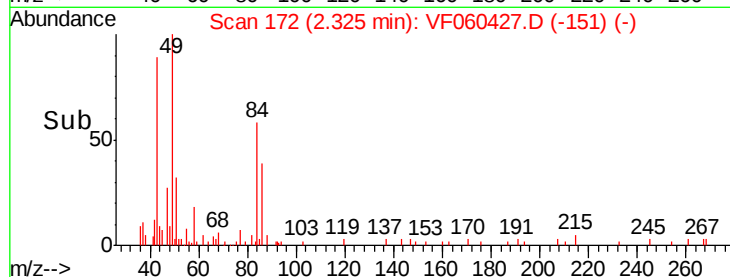
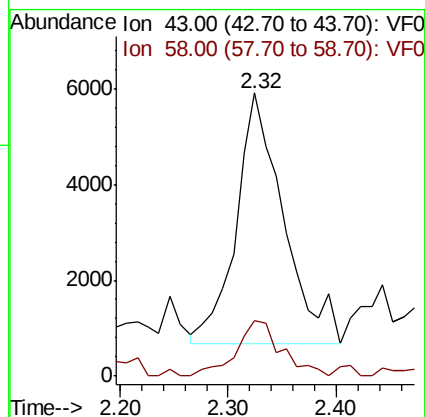
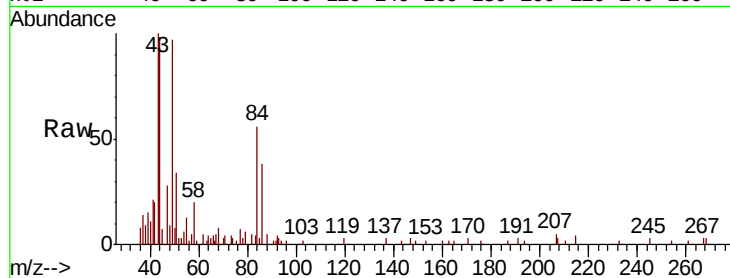
HR-06-100218-A

Tot Ion: 43 Resp: 15882

Ion Ratio Lower Upper

43 100

58 19.7 11.2 16.8#



#18

Methyl Acetate

Concen: 3.608 ug/l

RT: 2.44 min Scan# 184

Delta R.T. 0.01 min

Lab File: VF060427.D

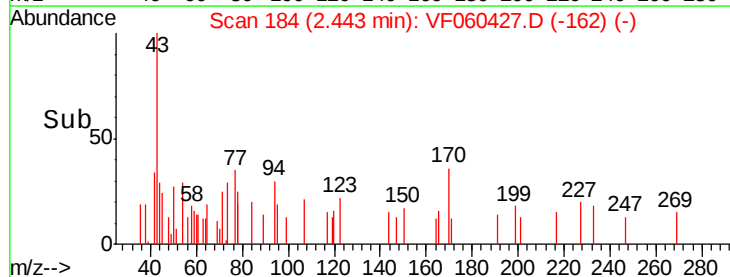
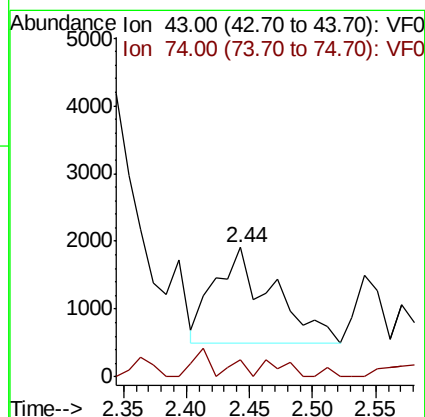
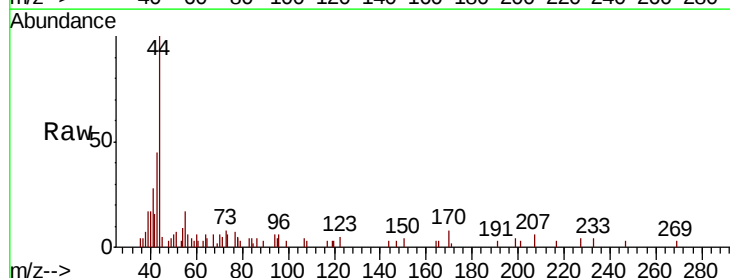
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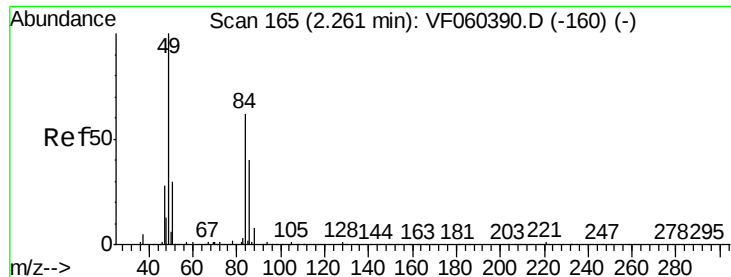
Tgt Ion: 43 Resp: 4585

Ion Ratio Lower Upper

43 100

74 13.3 15.8 23.8#

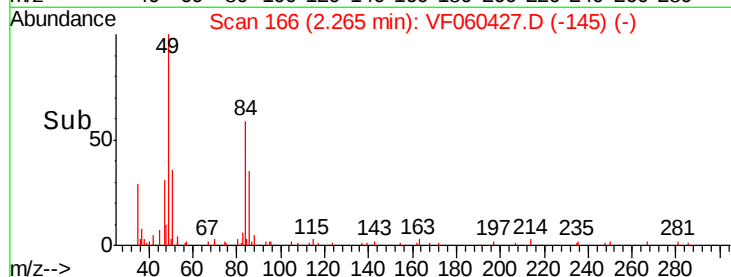
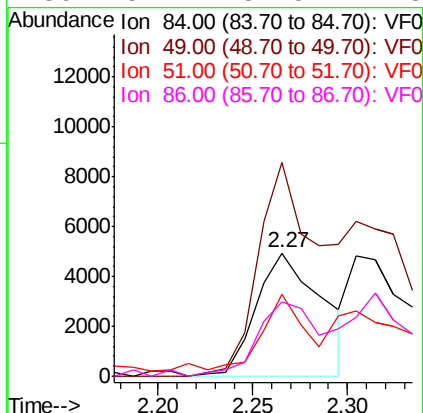
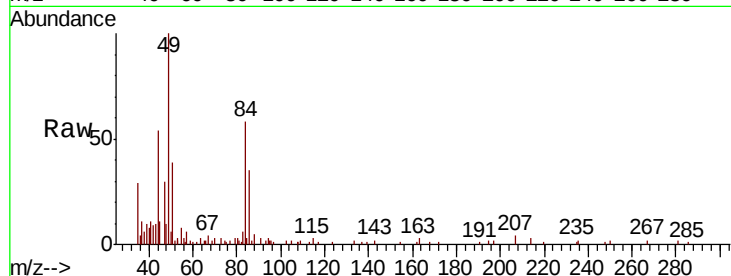




#20
Methvlene Chloride
Concen: 1.632 ug/l
RT: 2.27 min Scan# 166
Delta R.T. 0.00 min
Lab File: VF060427.D
Acq: 3 Oct 2018 21:02

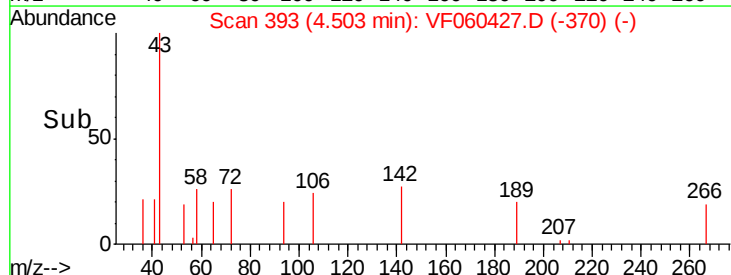
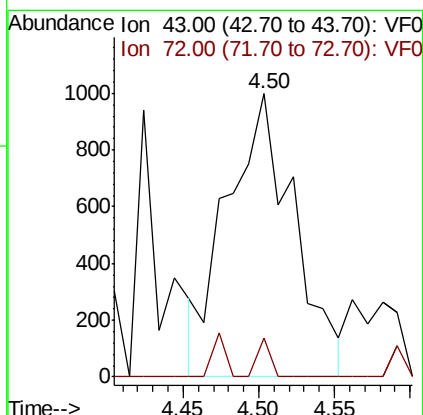
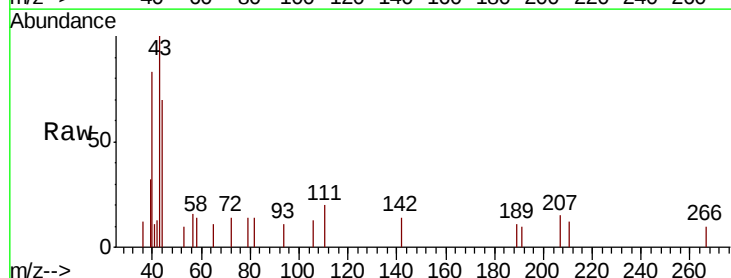
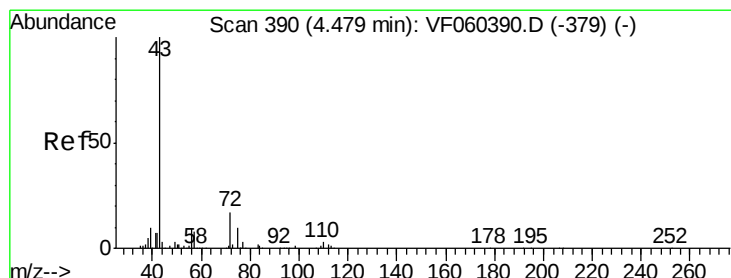
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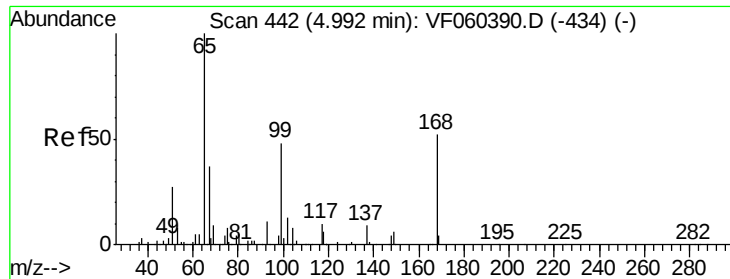
Tot Ion: 84 Resp: 11887
Ion Ratio Lower Upper
84 100
49 163.8 130.2 195.2
51 63.2 41.0 61.6#
86 57.2 51.5 77.3



#25
2-Butanone
Concen: 5.090 ug/l
RT: 4.50 min Scan# 393
Delta R.T. 0.02 min
Lab File: VF060427.D
Acq: 3 Oct 2018 21:02

Tgt Ion: 43 Resp: 3058
Ion Ratio Lower Upper
43 100
72 13.7 14.1 21.1#

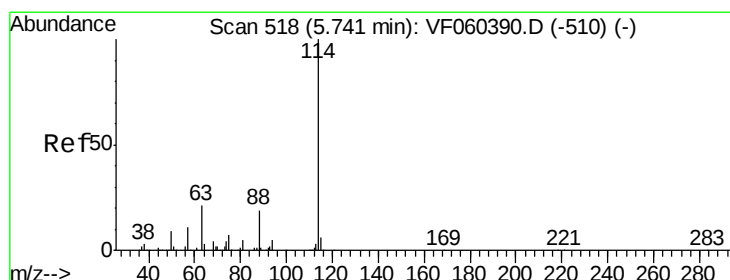
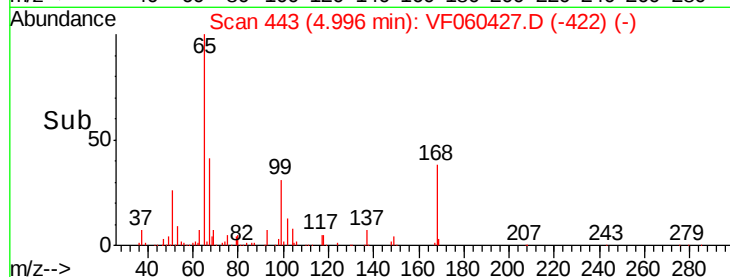
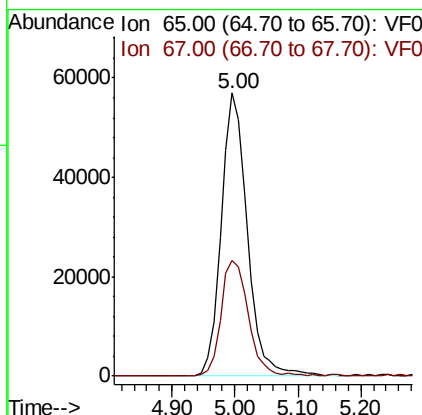
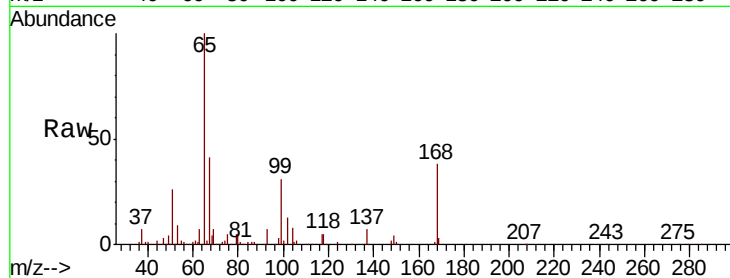




#33
 1,2-Dichloroethane-d4
 Concen: 70.891 ug/l
 RT: 5.00 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VF060427.D
 Acq: 3 Oct 2018 21:02

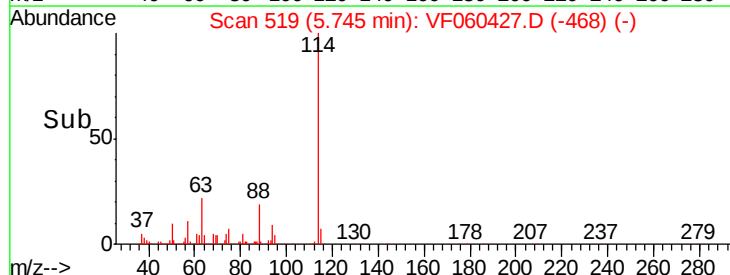
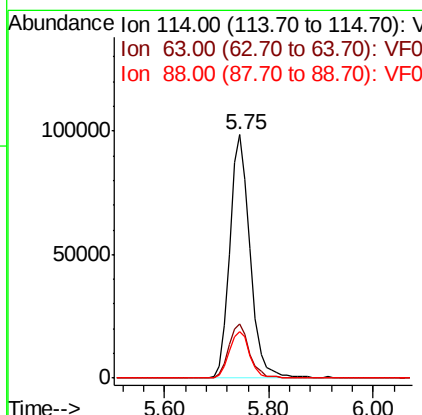
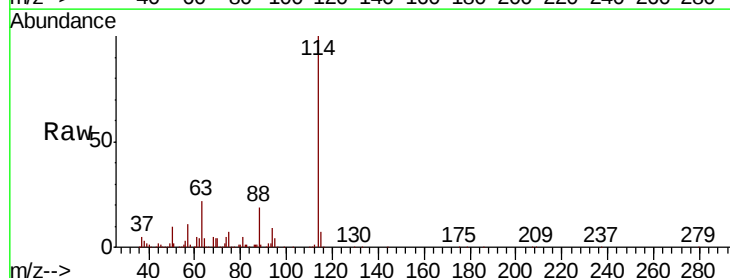
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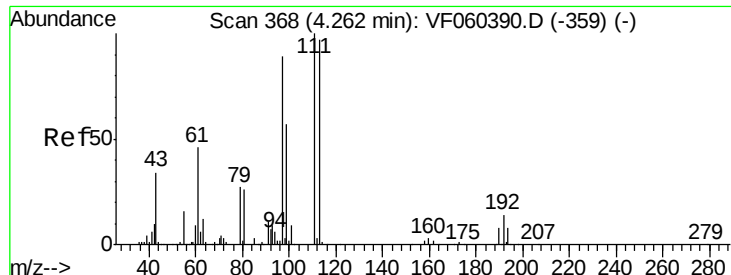
Tot Ion: 65 Resp: 164493
 Ion Ratio Lower Upper
 65 100
 67 40.7 0.0 89.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 519
 Delta R.T. 0.00 min
 Lab File: VF060427.D
 Acq: 3 Oct 2018 21:02

Tgt Ion: 114 Resp: 263555
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 42.2
 88 19.2 0.0 38.8

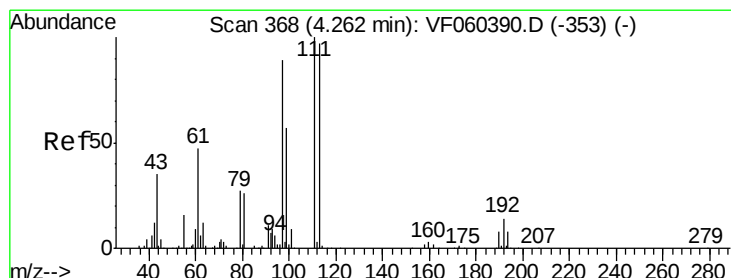
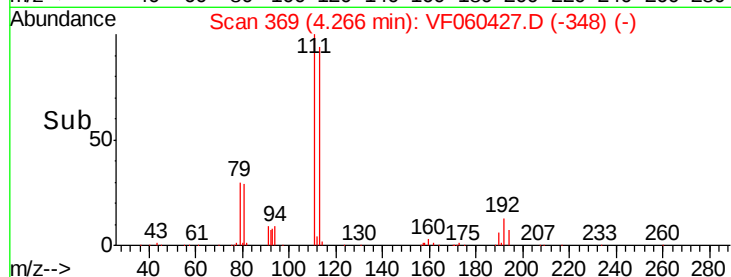
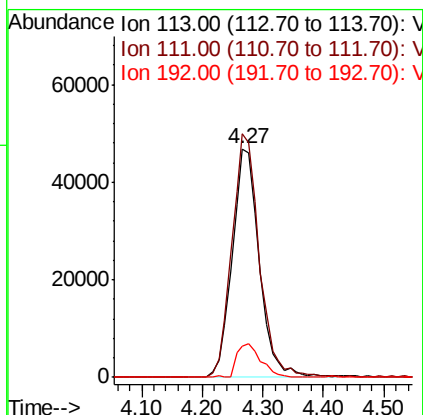
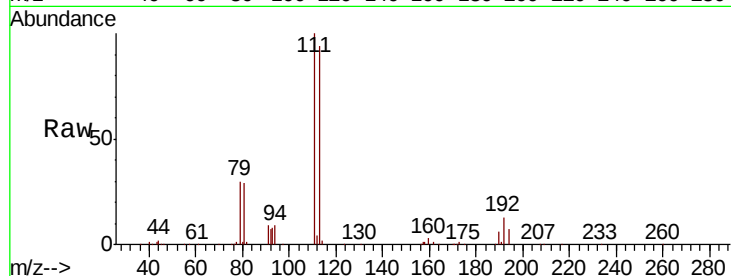




#35
 Dibromofluoromethane
 Concen: 59.196 ug/l
 RT: 4.27 min Scan# 369
 Delta R.T. 0.00 min
 Lab File: VF060427.D
 Acq: 3 Oct 2018 21:02

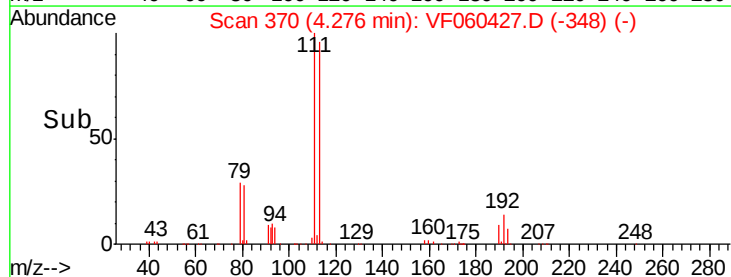
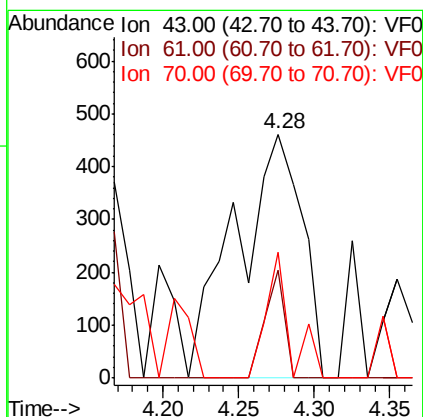
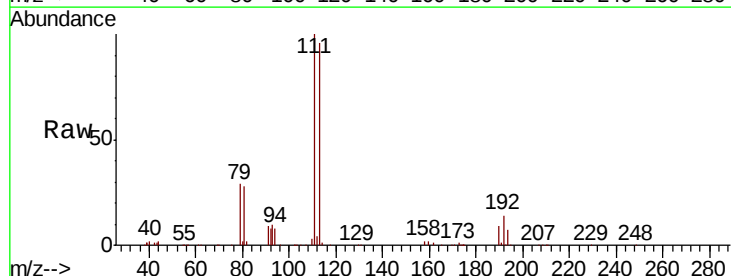
Instrument :
 MSVOA_F
 ClientSampleId :
 HR-06-100218-A

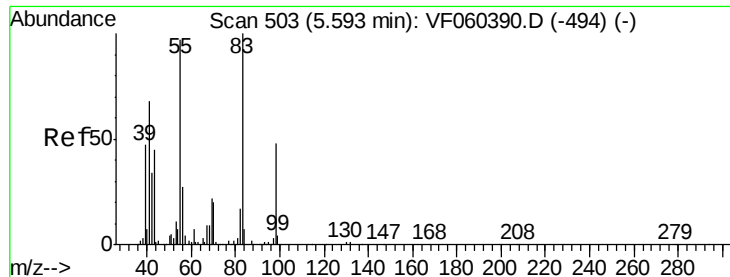
Tot Ion	Ratio	Lower	Upper
113	100		
111	106.6	82.3	123.5
192	13.5	11.8	17.6



#37
 Ethyl Acetate
 Concen: 1.130 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. 0.01 min
 Lab File: VF060427.D
 Acq: 3 Oct 2018 21:02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	44.5	105.1	157.7#
70	51.4	8.0	12.0#





#39

Methylcyclohexane

Concen: 5.544 ug/l

RT: 5.61 min Scan# 505

Delta R.T. 0.01 min

Lab File: VF060427.D

Acq: 3 Oct 2018 21:02

Instrument :

MSVOA_F

ClientSampleId :

HR-06-100218-A

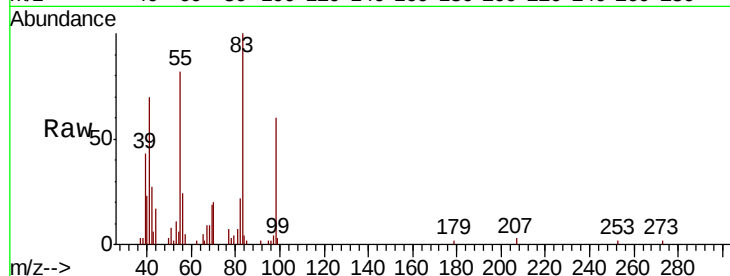
Tot Ion: 83 Resp: 17661

Ion Ratio Lower Upper

83 100

55 82.0 77.5 116.3

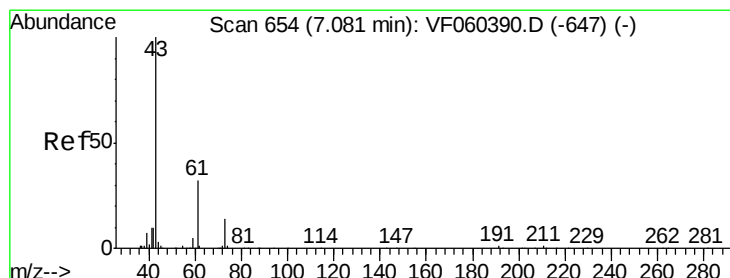
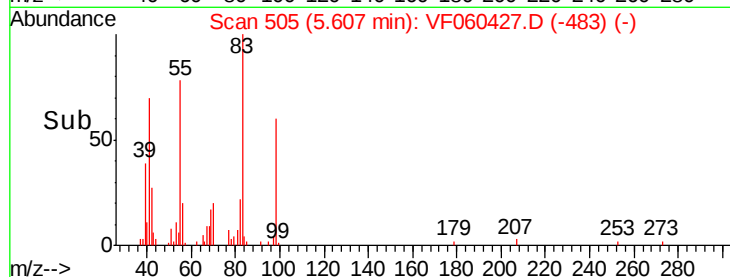
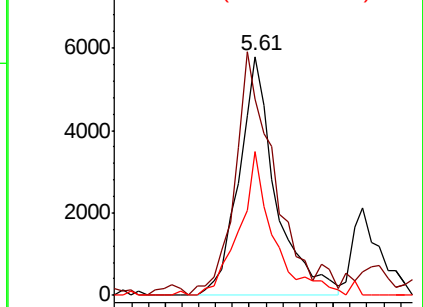
98 60.4 38.7 58.1#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#43

Isopropyl Acetate

Concen: 2.442 ug/l

RT: 7.16 min Scan# 663

Delta R.T. 0.08 min

Lab File: VF060427.D

Acq: 3 Oct 2018 21:02

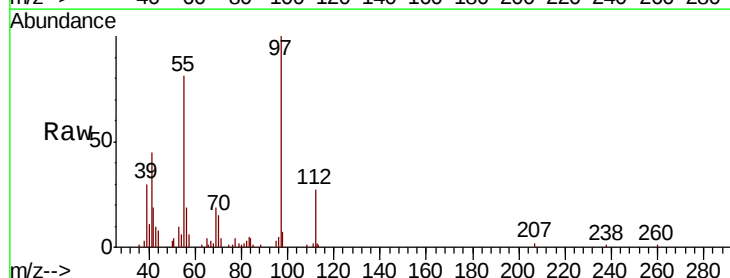
Tgt Ion: 43 Resp: 3672

Ion Ratio Lower Upper

43 100

61 0.0 25.4 38.2#

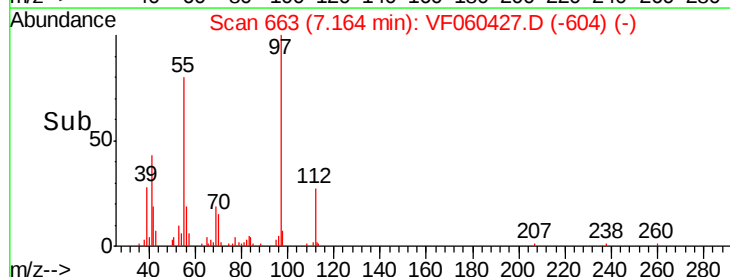
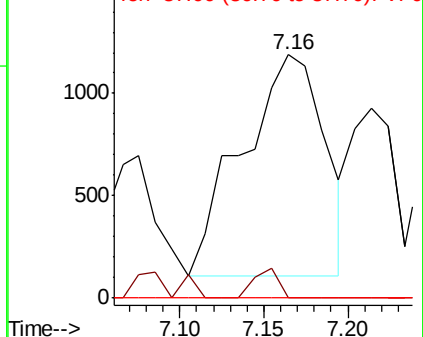
87 0.0 0.3 0.5#

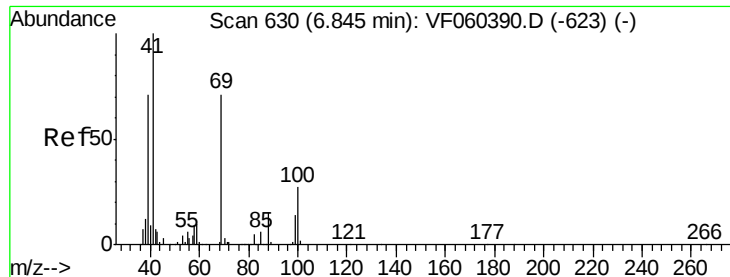


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

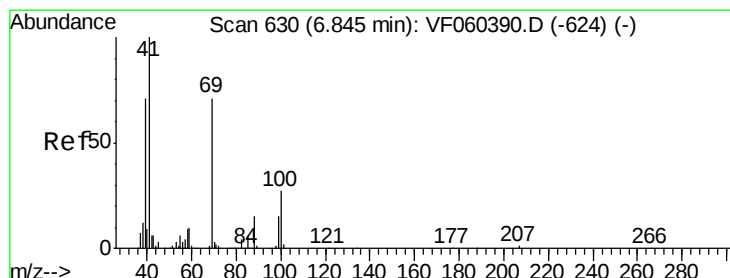
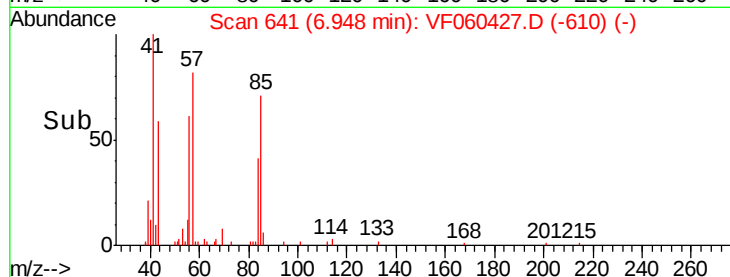
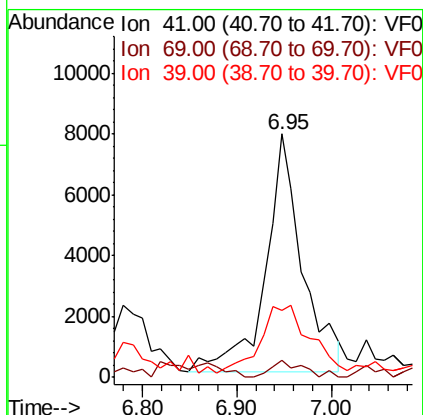
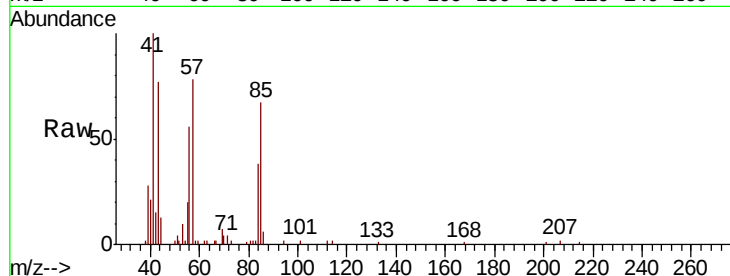




#48
Methvl methacrylate
Concen: 19.749 ug/l
RT: 6.95 min Scan# 641
Delta R.T. 0.10 min
Lab File: VF060427.D
Acq: 3 Oct 2018 21:02

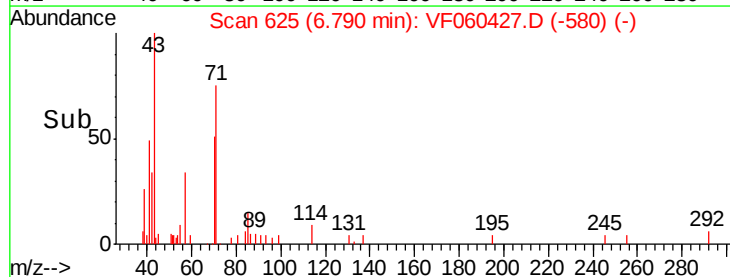
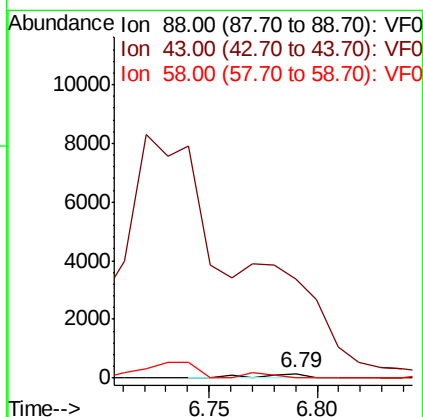
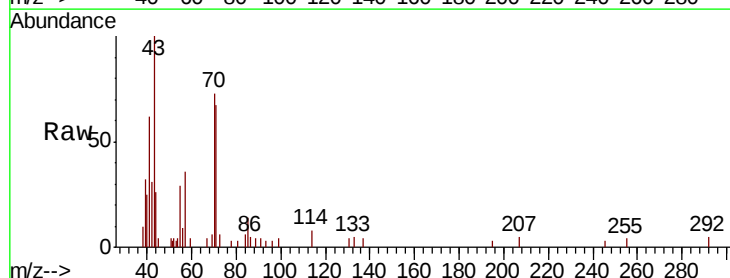
Instrument :
MSVOA_F
ClientSampleId :
HR-06-100218-A

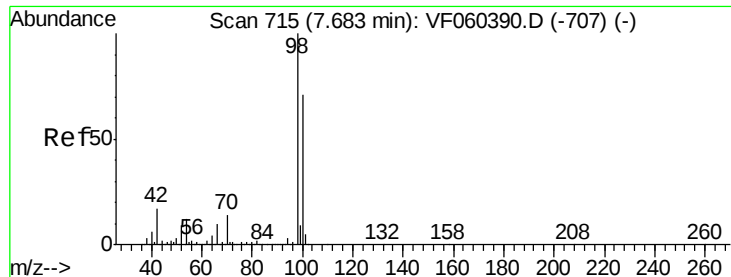
Tot Ion: 41 Resp: 21318
Ion Ratio Lower Upper
41 100
69 6.9 56.3 84.5#
39 27.7 56.9 85.3#



#49
1,4-Dioxane
Concen: 23.100 ug/l
RT: 6.79 min Scan# 625
Delta R.T. -0.05 min
Lab File: VF060427.D
Acq: 3 Oct 2018 21:02

Tgt Ion: 88 Resp: 215
Ion Ratio Lower Upper
88 100
43 2313.1 38.3 57.5#
58 0.0 47.4 71.2#





#50

Toluene-d8

Concen: 35.205 ug/l

RT: 7.69 min Scan# 716

Delta R.T. 0.00 min

Lab File: VF060427.D

Acq: 3 Oct 2018 21:02

Instrument :

MSVOA_F

ClientSampleId :

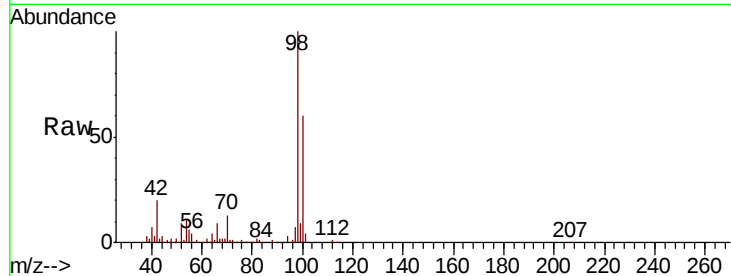
HR-06-100218-A

Tot Ion: 98 Resp: 214671

Ion Ratio Lower Upper

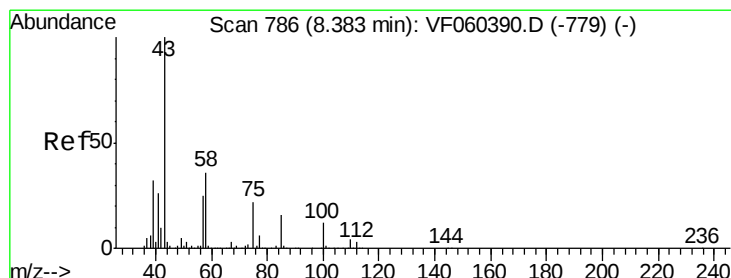
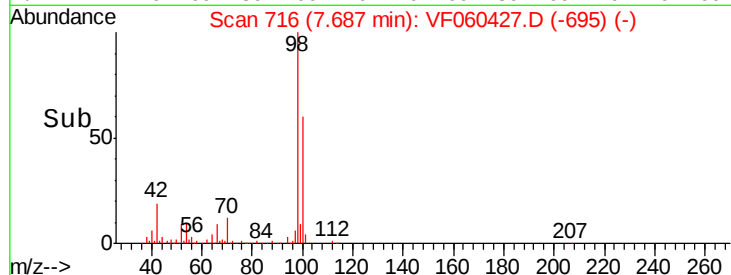
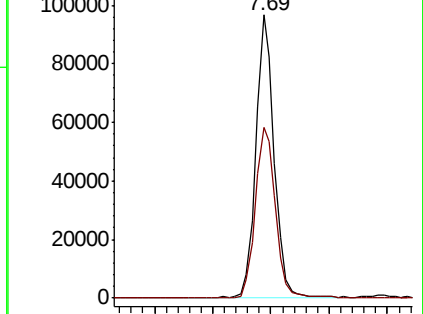
98 100

100 60.4 56.5 84.7



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#51

4-Methyl-2-Pentanone

Concen: 51.096 ug/l

RT: 8.41 min Scan# 789

Delta R.T. 0.02 min

Lab File: VF060427.D

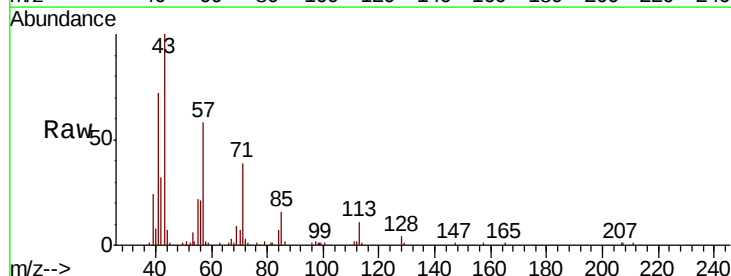
Acq: 3 Oct 2018 21:02

Tgt Ion: 43 Resp: 54695

Ion Ratio Lower Upper

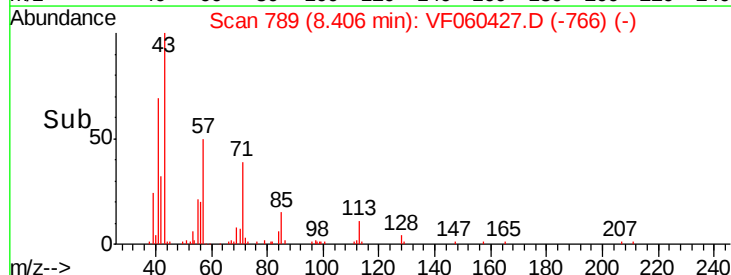
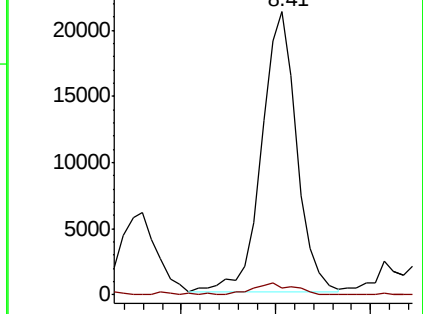
43 100

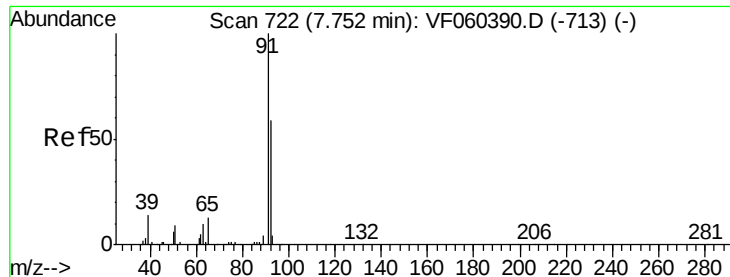
58 2.2 28.5 42.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#52

Toluene

Concen: 2.257 ug/l

RT: 7.77 min Scan# 724

Delta R.T. 0.01 min

Lab File: VF060427.D

Acq: 3 Oct 2018 21:02

Instrument :

MSVOA_F

ClientSampleId :

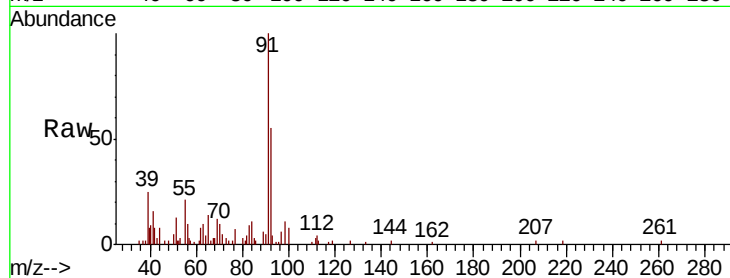
HR-06-100218-A

Tot Ion: 92 Resp: 9889

Ion Ratio Lower Upper

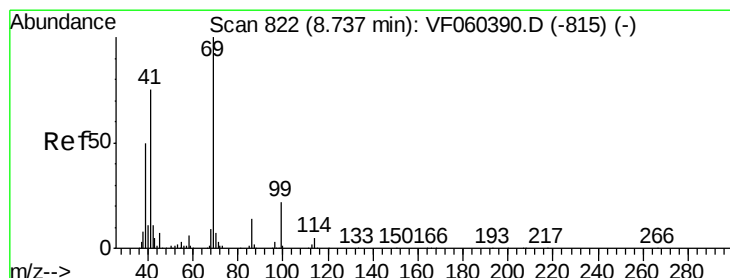
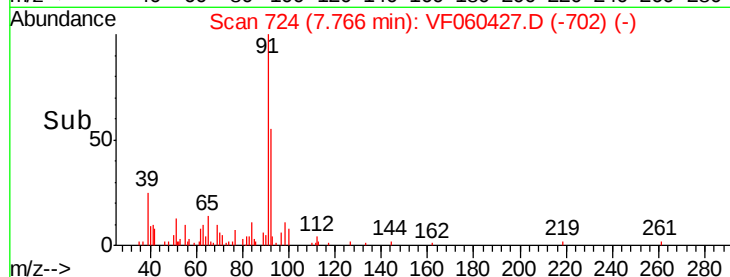
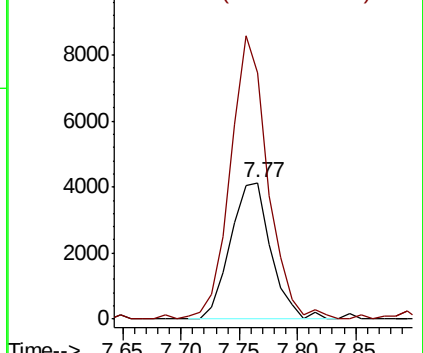
92 100

91 180.2 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#56

Ethyl methacrylate

Concen: 66.173 ug/l

RT: 8.75 min Scan# 824

Delta R.T. 0.01 min

Lab File: VF060427.D

Acq: 3 Oct 2018 21:02

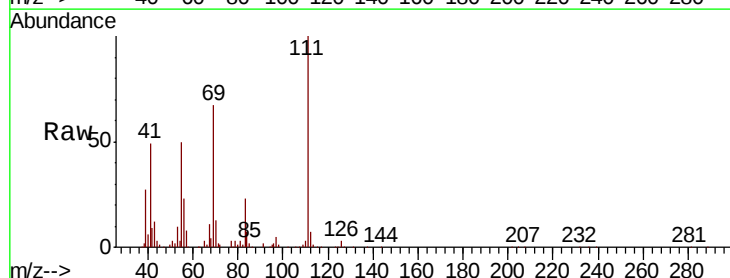
Tgt Ion: 69 Resp: 104430

Ion Ratio Lower Upper

69 100

41 73.2 60.2 90.4

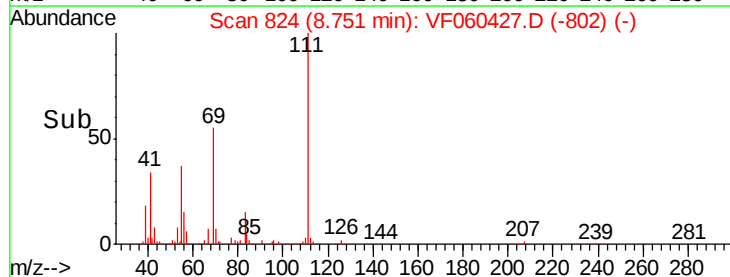
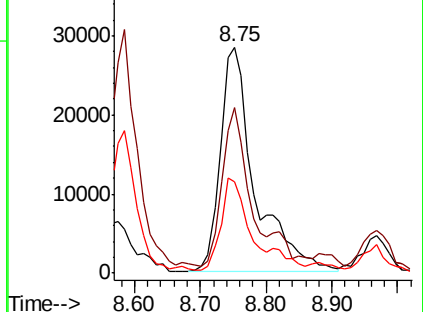
39 40.4 40.2 60.2

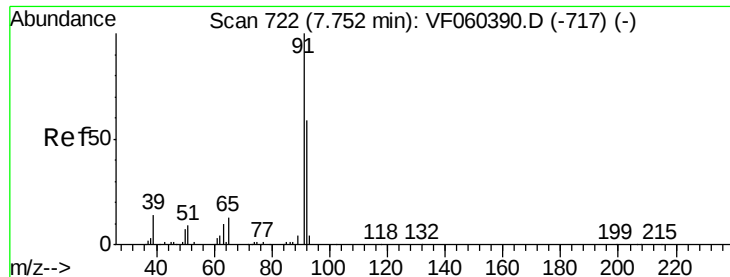


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

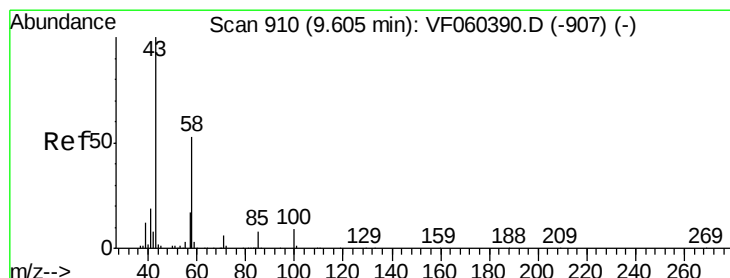
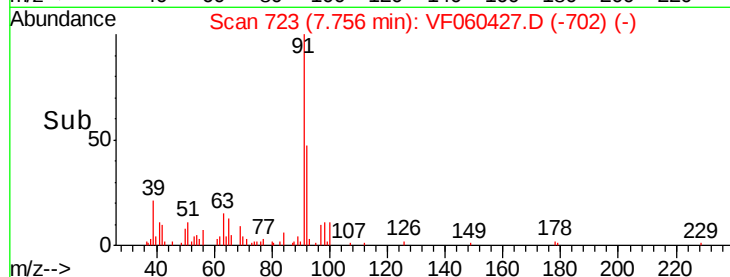
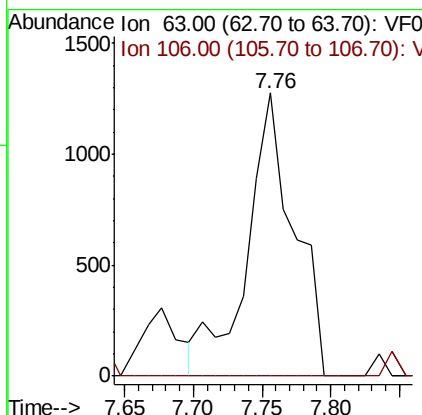
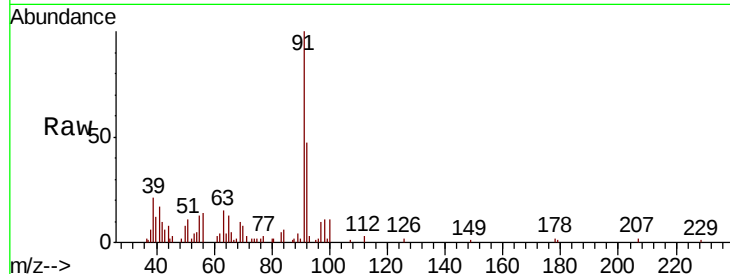




#58
 2-Chloroethyl Vinyl ether
 Concen: 18.691 ug/l
 RT: 7.76 min Scan# 723
 Delta R.T. 0.00 min
 Lab File: VF060427.D
 Acq: 3 Oct 2018 21:02

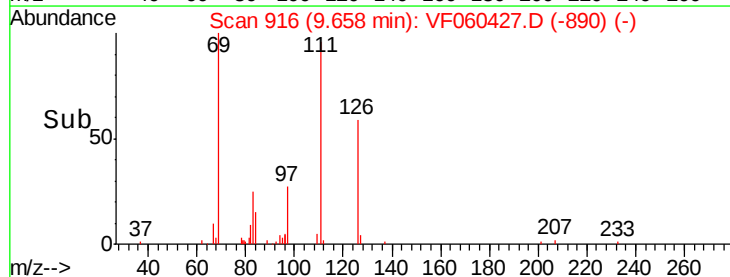
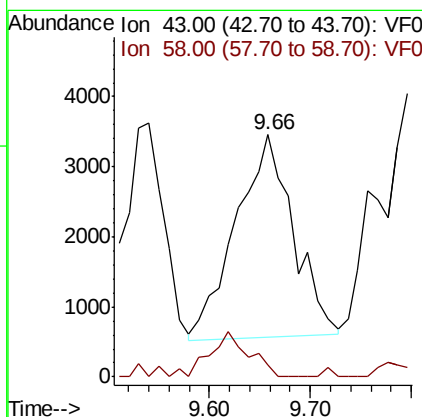
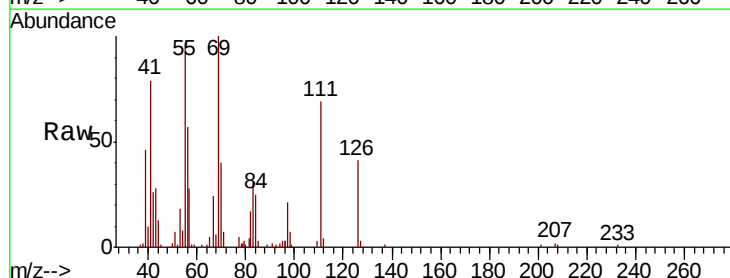
Instrument :
 MSVOA_F
 ClientSampleId :
 HR-06-100218-A

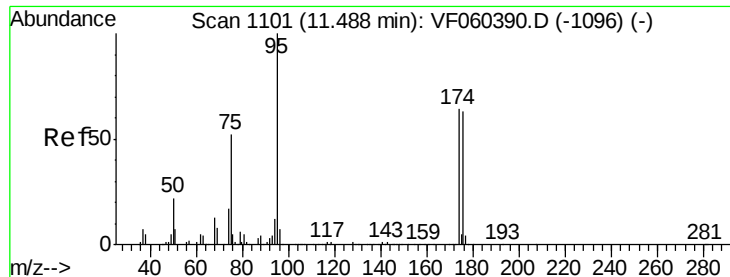
Tot Ion: 63 Resp: 3013
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#59
 2-Hexanone
 Concen: 14.548 ug/l
 RT: 9.66 min Scan# 916
 Delta R.T. 0.05 min
 Lab File: VF060427.D
 Acq: 3 Oct 2018 21:02

Tgt Ion: 43 Resp: 11422
 Ion Ratio Lower Upper
 43 100
 58 4.8 25.6 76.6#





#62

4-Bromofluorobenzene

Concen: 47.025 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VF060427.D

Acq: 3 Oct 2018 21:02

Instrument :

MSVOA_F

ClientSampleId :

HR-06-100218-A

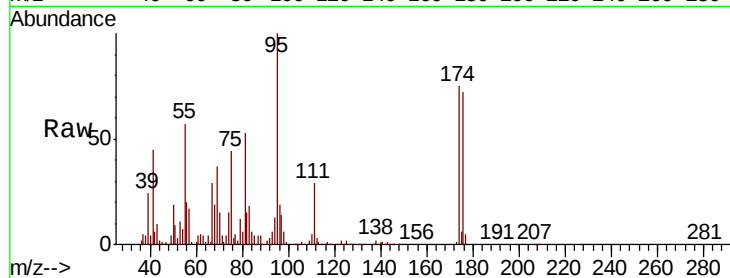
Tot Ion: 95 Resp: 130927

Ion Ratio Lower Upper

95 100

174 74.8 0.0 129.0

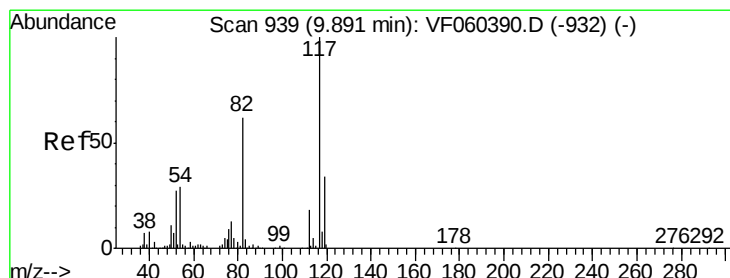
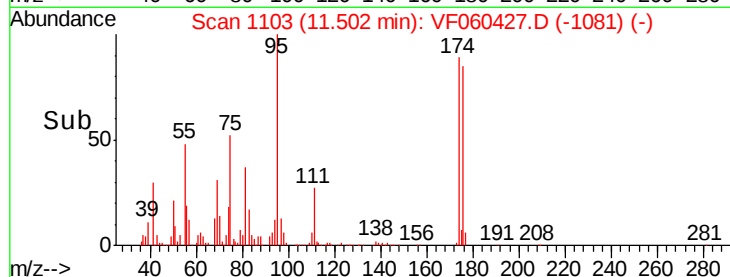
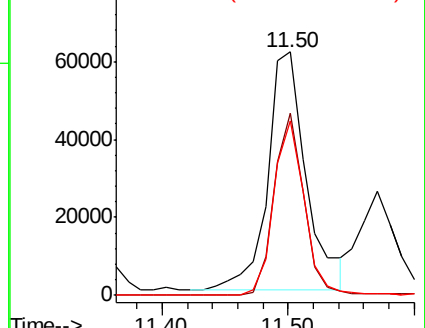
176 71.8 0.0 125.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.89 min Scan# 940

Delta R.T. 0.00 min

Lab File: VF060427.D

Acq: 3 Oct 2018 21:02

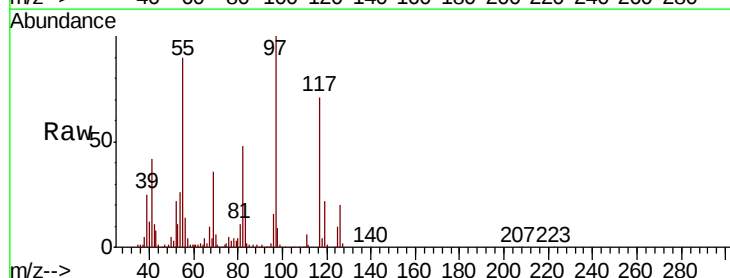
Tgt Ion: 117 Resp: 140541

Ion Ratio Lower Upper

117 100

82 66.7 49.5 74.3

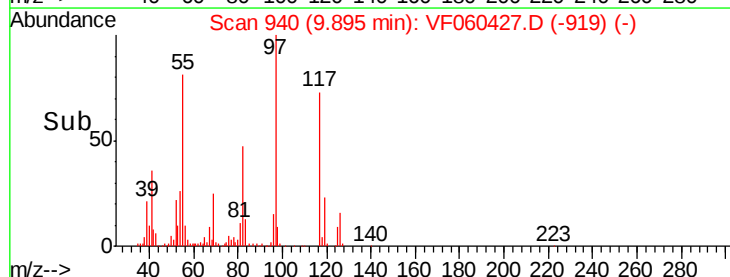
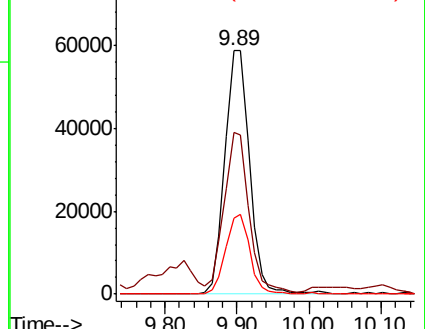
119 31.1 27.0 40.6

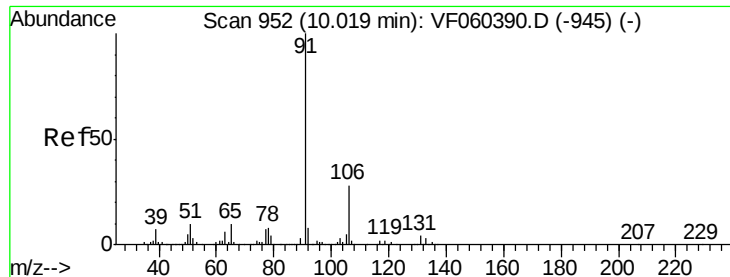


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0

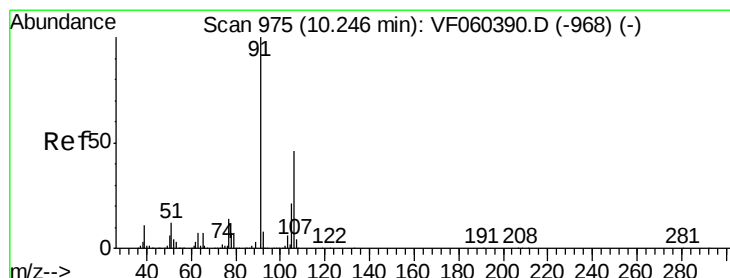
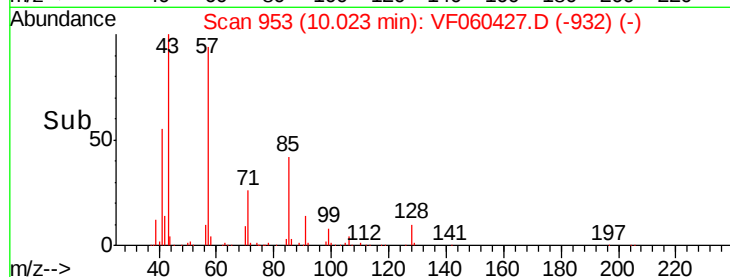
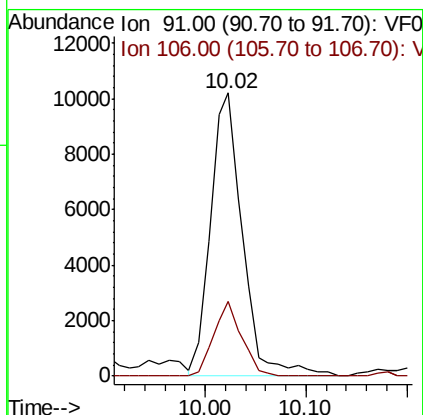
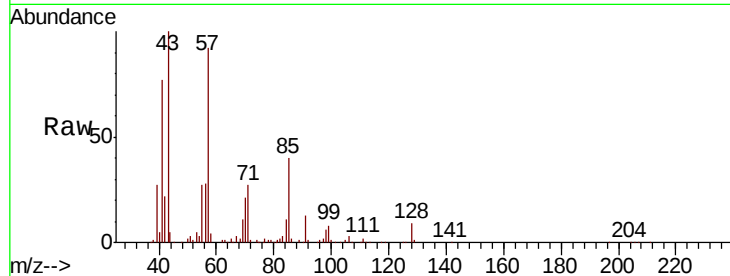




#67
Ethyl Benzene
Concen: 4.114 ug/l
RT: 10.02 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF060427.D
Acq: 3 Oct 2018 21:02

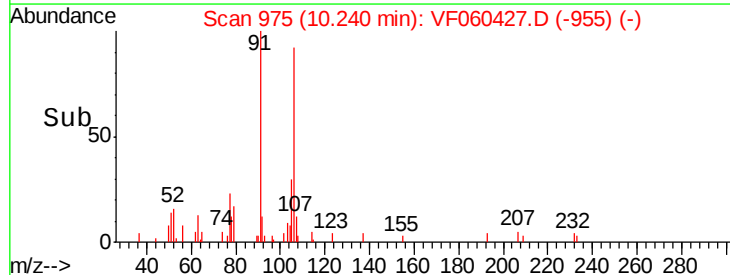
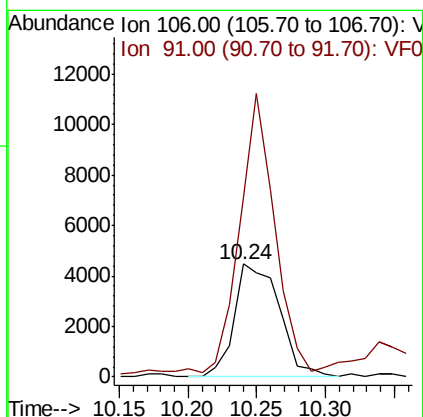
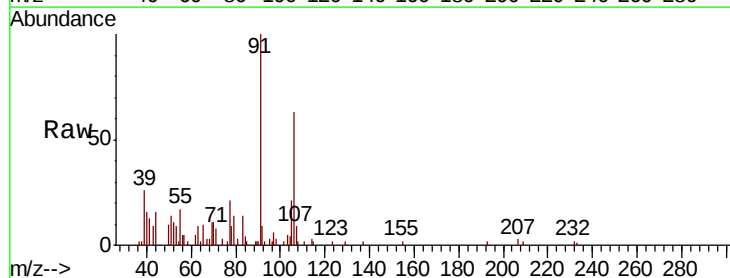
Instrument :
MSVOA_F
ClientSampleId :
HR-06-100218-A

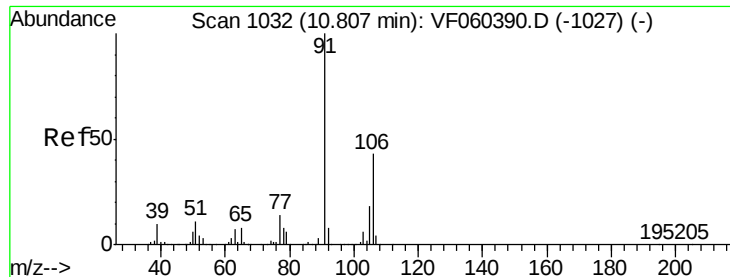
Tot Ion: 91 Resp: 22584
Ion Ratio Lower Upper
91 100
106 26.5 22.5 33.7



#68
m/p-Xylenes
Concen: 5.446 ug/l
RT: 10.24 min Scan# 975
Delta R.T. -0.01 min
Lab File: VF060427.D
Acq: 3 Oct 2018 21:02

Tgt Ion: 106 Resp: 10277
Ion Ratio Lower Upper
106 100
91 158.6 175.0 262.6#

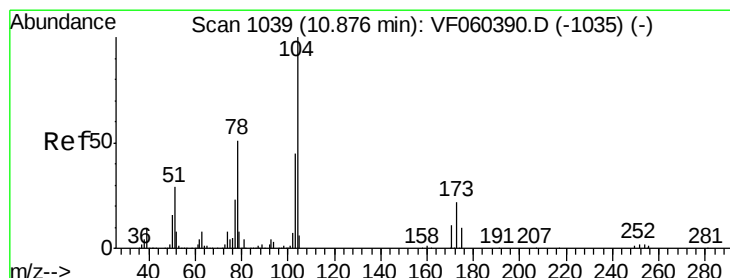
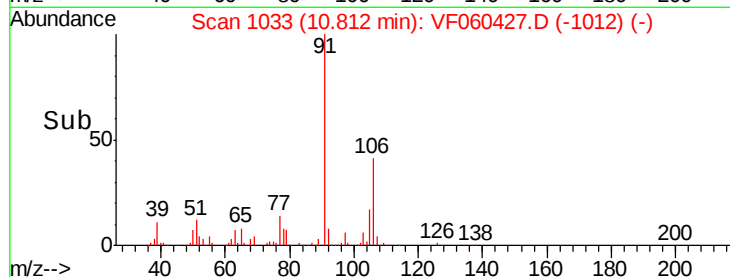
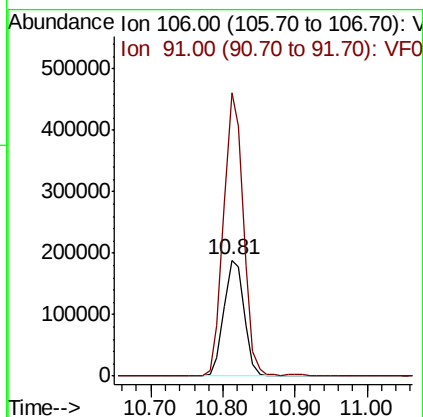
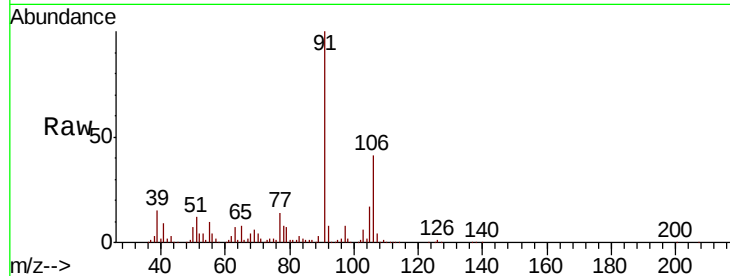




#69
o-Xylene
Concen: 180.208 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VF060427.D
Acq: 3 Oct 2018 21:02

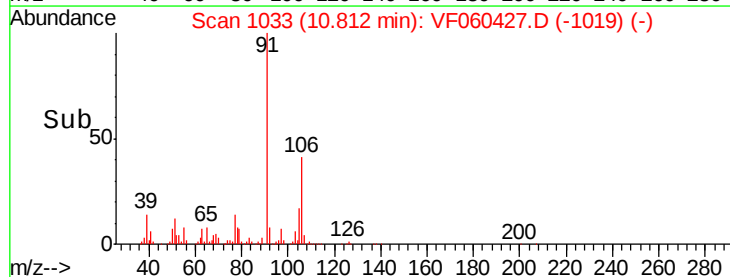
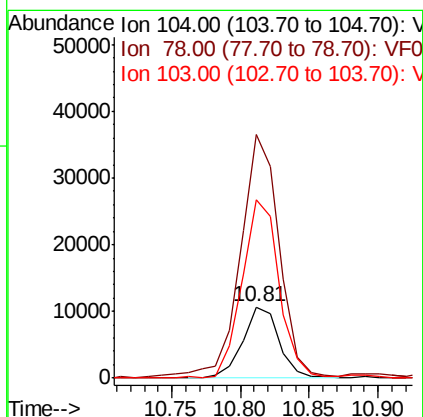
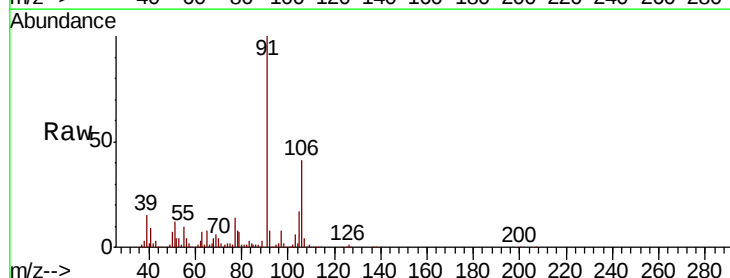
Instrument :
MSVOA_F
ClientSampleId :
HR-06-100218-A

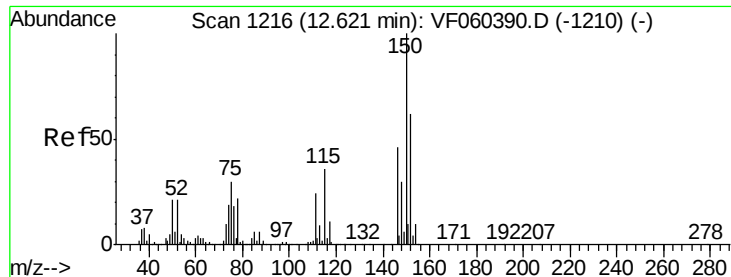
Tot Ion:106 Resp: 370667
Ion Ratio Lower Upper
106 100
91 244.2 115.1 345.2



#70
Styrene
Concen: 6.718 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. -0.06 min
Lab File: VF060427.D
Acq: 3 Oct 2018 21:02

Tgt Ion:104 Resp: 19654
Ion Ratio Lower Upper
104 100
78 343.9 41.0 61.4#
103 252.7 36.4 54.6#



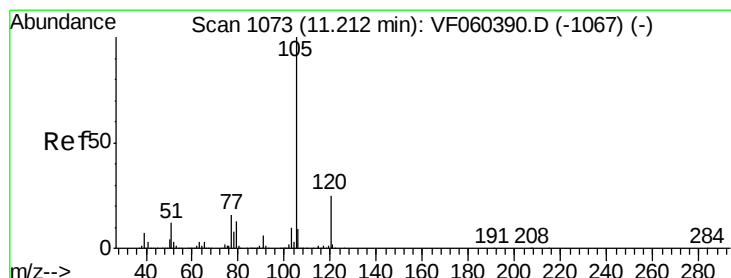
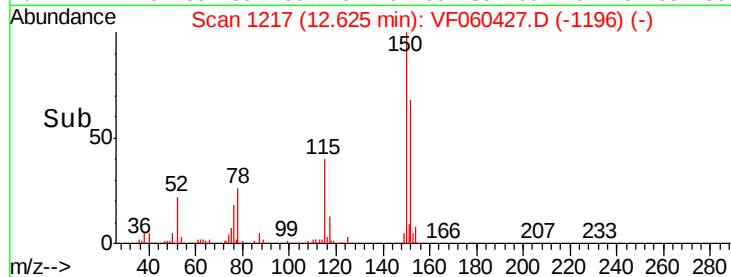
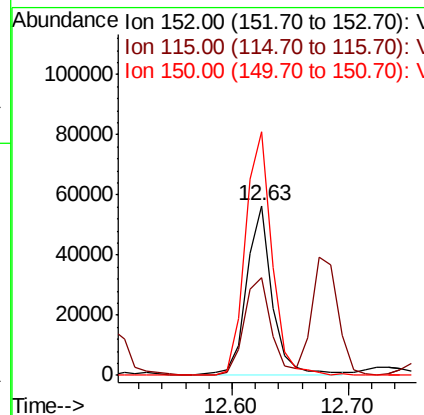
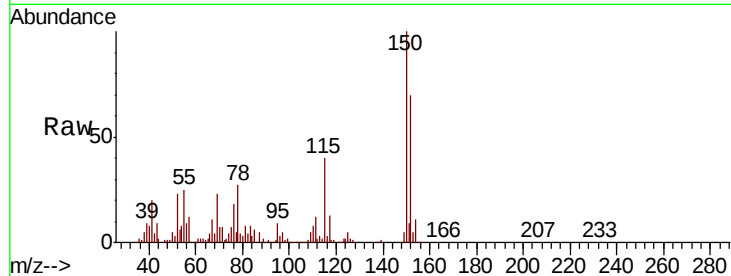


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1217
Delta R.T. 0.00 min
Lab File: VF060427.D
Acq: 3 Oct 2018 21:02

Instrument :
MSVOA_F
ClientSampleId :
HR-06-100218-A

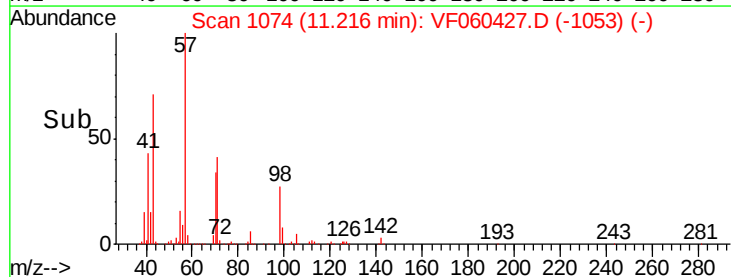
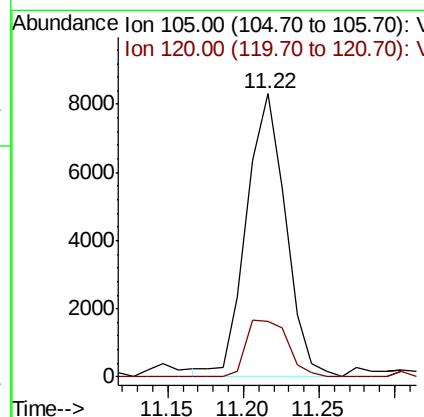
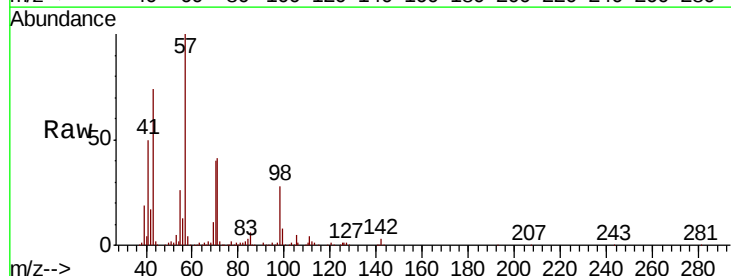
Tot Ion:152 Resp: 85232
Ion Ratio Lower Upper
152 100
115 57.3 28.6 85.8
150 143.6 0.0 324.6

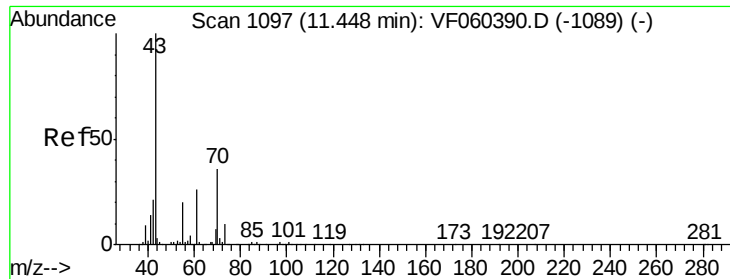


#73

Isopropylbenzene
Concen: 2.245 ug/l
RT: 11.22 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VF060427.D
Acq: 3 Oct 2018 21:02

Tgt Ion:105 Resp: 15067
Ion Ratio Lower Upper
105 100
120 19.4 12.3 36.9





#74

N-amvl acetate

Concen: 27.690 ug/l

RT: 11.47 min Scan# 1100

Delta R.T. 0.02 min

Lab File: VF060427.D

Acq: 3 Oct 2018 21:02

Instrument :

MSVOA_F

ClientSampleId :

HR-06-100218-A

Tot Ion: 43 Resp: 42648

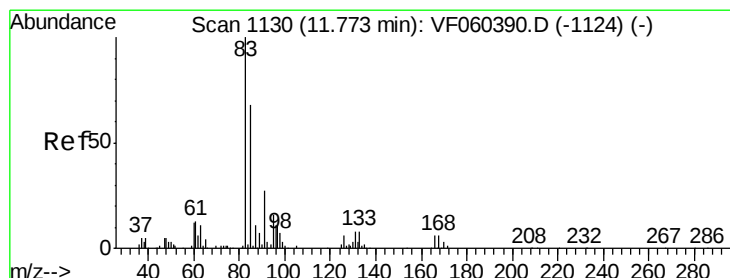
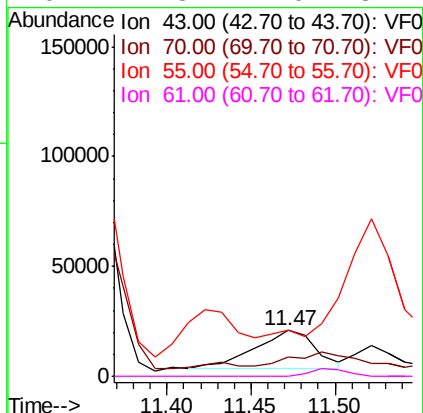
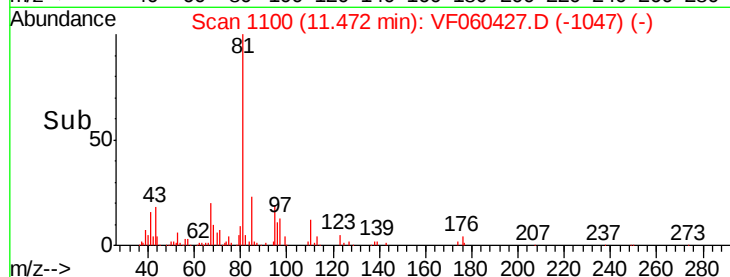
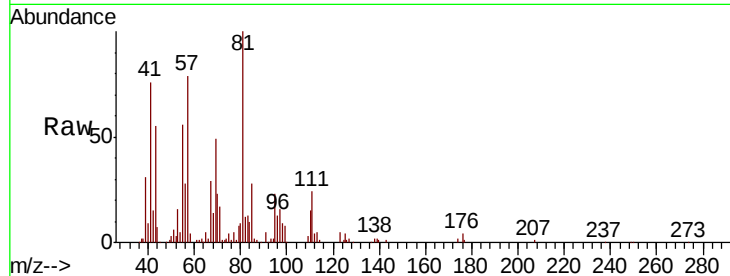
Ion Ratio Lower Upper

43 100

70 42.2 29.1 43.7

55 102.0 16.3 24.5#

61 1.3 21.0 31.4#



#75

1,1,2,2-Tetrachloroethane

Concen: 37.981 ug/l

RT: 11.76 min Scan# 1129

Delta R.T. -0.02 min

Lab File: VF060427.D

Acq: 3 Oct 2018 21:02

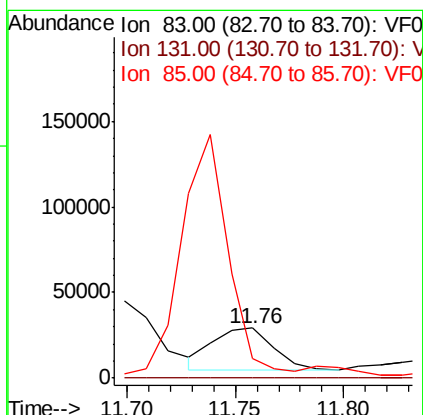
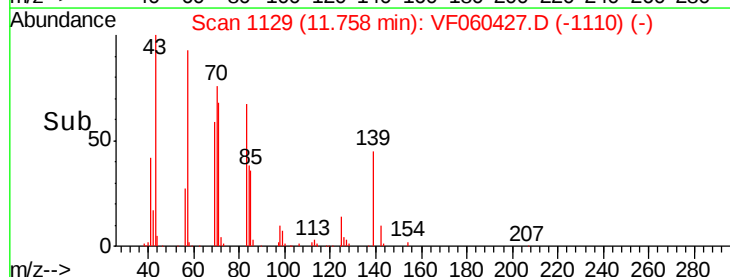
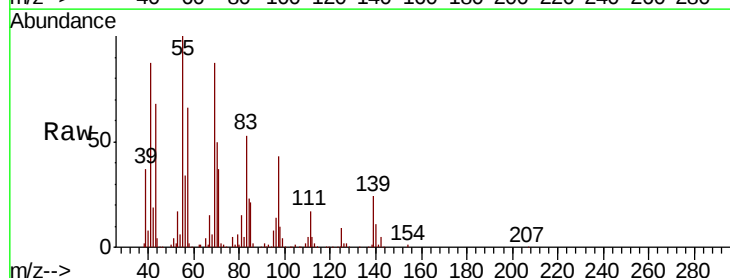
Tgt Ion: 83 Resp: 46470

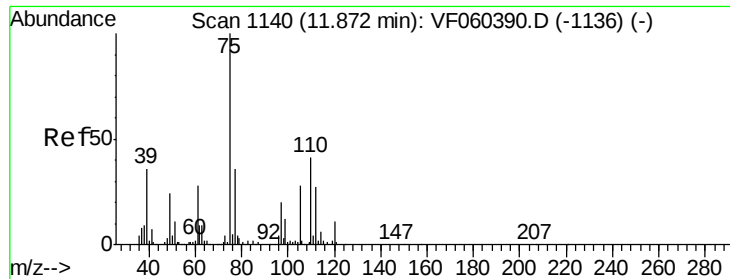
Ion Ratio Lower Upper

83 100

131 0.0 4.0 12.0#

85 38.8 34.0 102.0





#76

1,2,3-Trichloropropane

Concen: 12.308 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. 0.02 min

Lab File: VF060427.D

Acq: 3 Oct 2018 21:02

Instrument :

MSVOA_F

ClientSampleId :

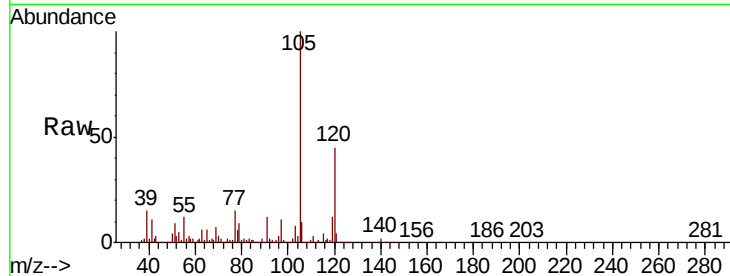
HR-06-100218-A

Tot Ion: 75 Resp: 11086

Ion Ratio Lower Upper

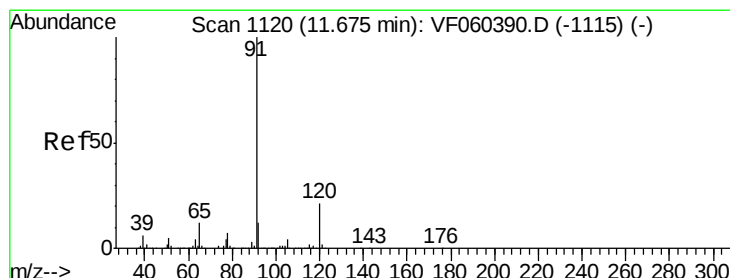
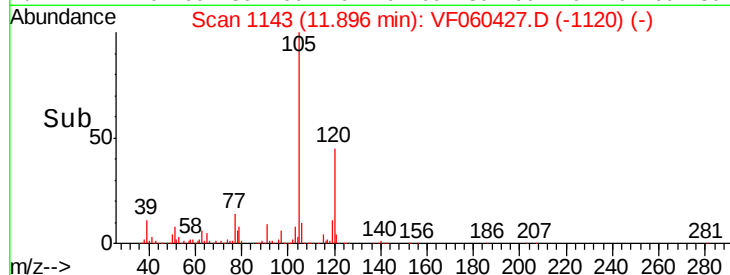
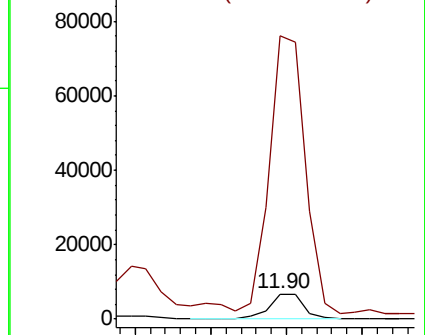
75 100

77 1121.2 18.1 54.4#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#78

n-propylbenzene

Concen: 3.863 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF060427.D

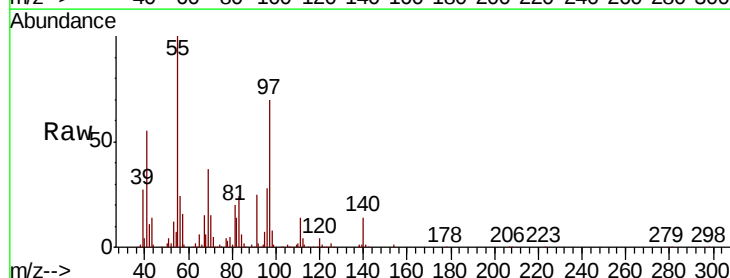
Acq: 3 Oct 2018 21:02

Tgt Ion: 91 Resp: 31429

Ion Ratio Lower Upper

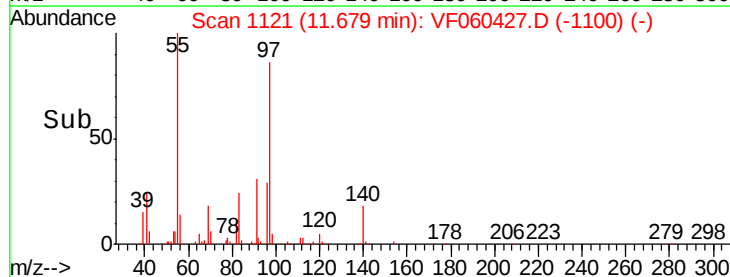
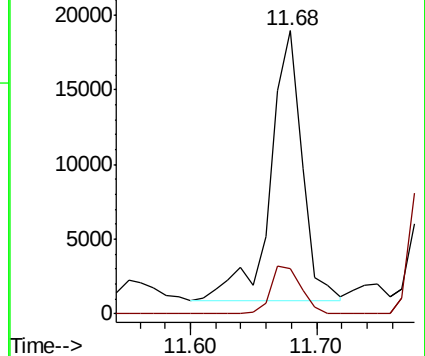
91 100

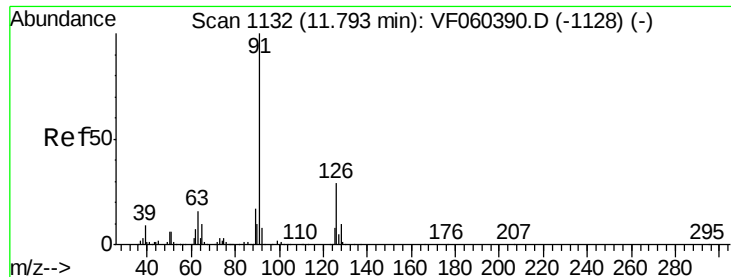
120 16.0 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.752 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VF060427.D

Acq: 3 Oct 2018 21:02

Instrument :

MSVOA_F

ClientSampleId :

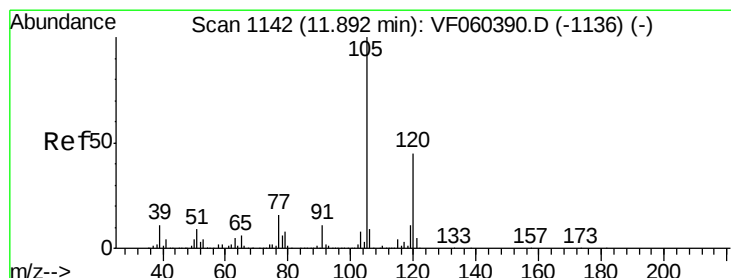
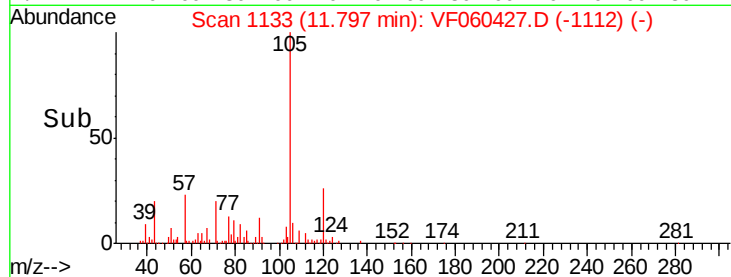
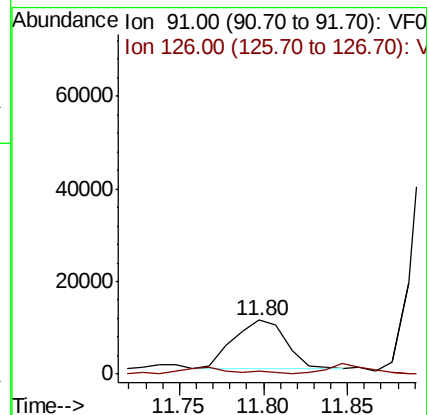
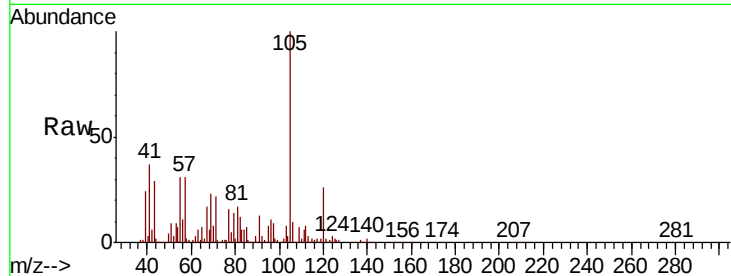
HR-06-100218-A

Tot Ion: 91 Resp: 22617

Ion Ratio Lower Upper

91 100

126 6.7 14.4 43.4#



#80

1,3,5-Trimethylbenzene

Concen: 151.037 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VF060427.D

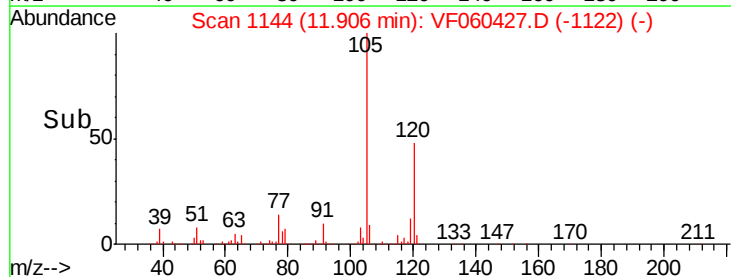
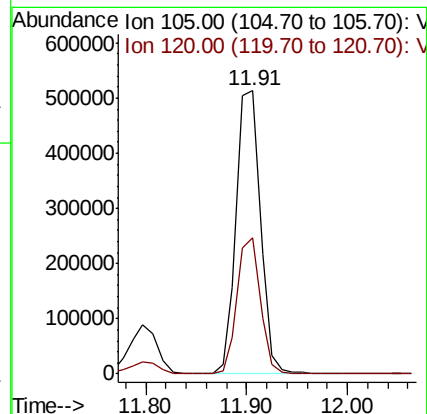
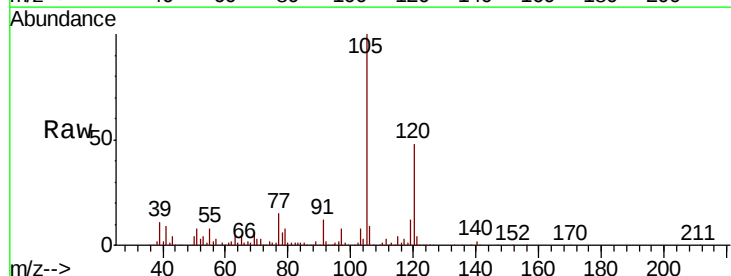
Acq: 3 Oct 2018 21:02

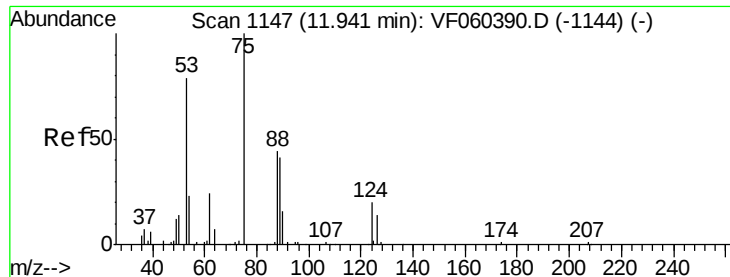
Tgt Ion:105 Resp: 861163

Ion Ratio Lower Upper

105 100

120 48.0 22.3 66.9

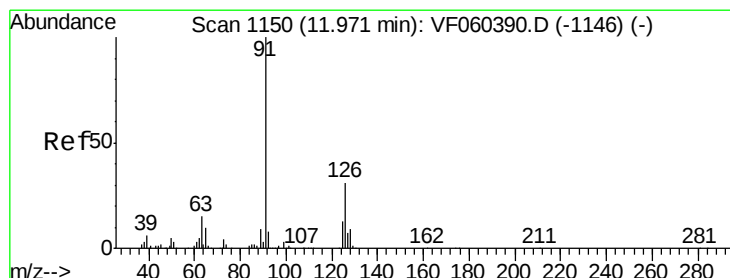
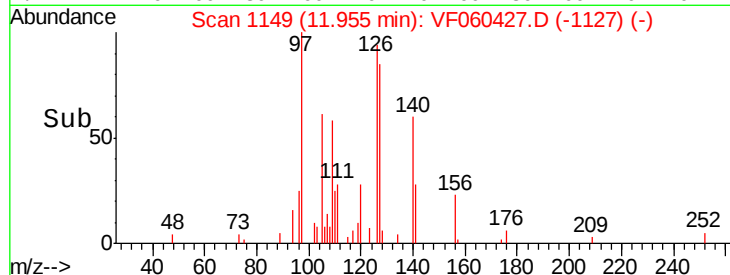
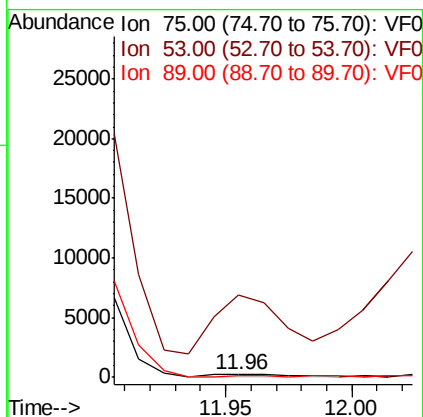
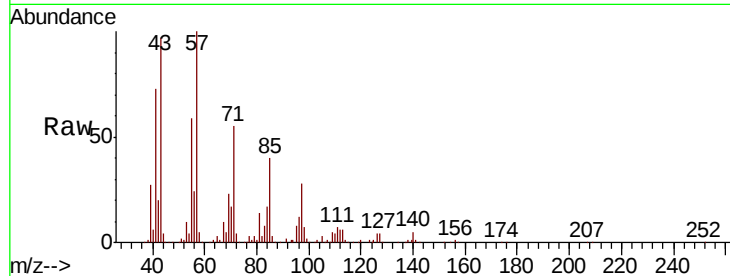




#81
trans-1,4-Dichloro-2-butene
Concen: 1.365 ug/l
RT: 11.96 min Scan# 1149
Delta R.T. 0.01 min
Lab File: VF060427.D
Acq: 3 Oct 2018 21:02

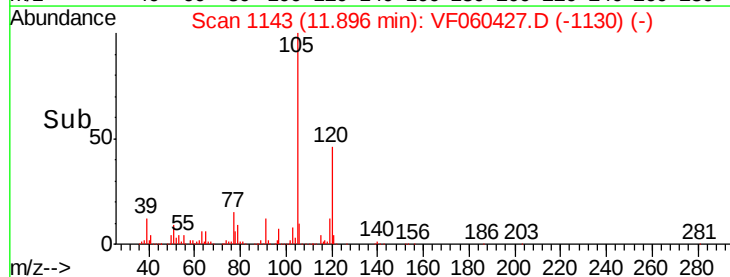
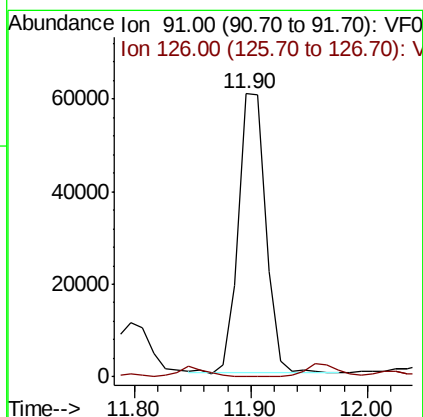
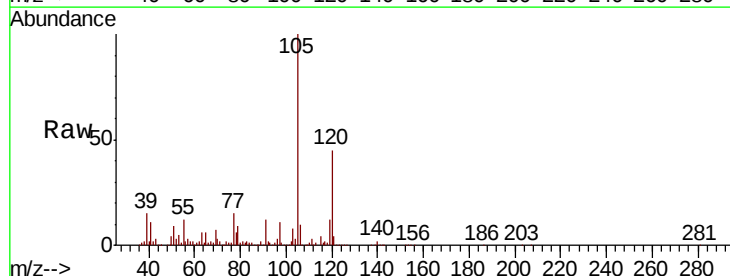
Instrument :
MSVOA_F
ClientSampleId :
HR-06-100218-A

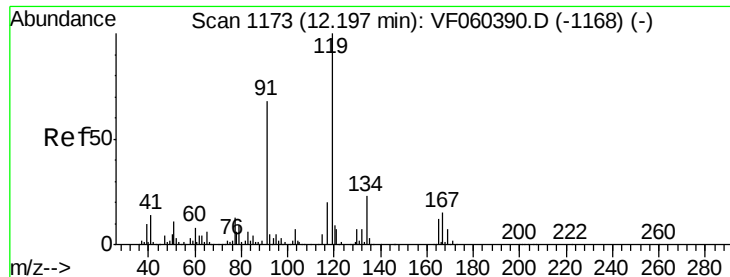
Tot Ion: 75 Resp: 545
Ion Ratio Lower Upper
75 100
53 2810.2 67.8 101.8#
89 63.5 36.7 55.1#



#82
4-Chlorotoluene
Concen: 20.258 ug/l
RT: 11.90 min Scan# 1143
Delta R.T. -0.07 min
Lab File: VF060427.D
Acq: 3 Oct 2018 21:02

Tgt Ion: 91 Resp: 98642
Ion Ratio Lower Upper
91 100
126 0.3 15.7 47.0#

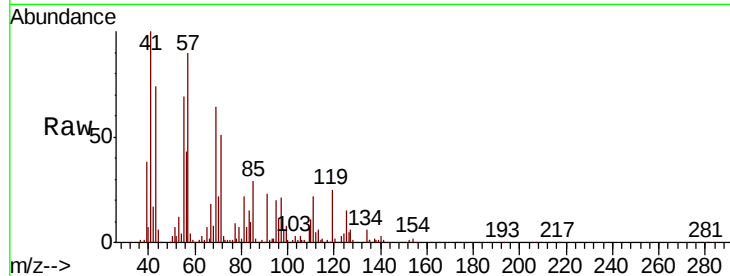




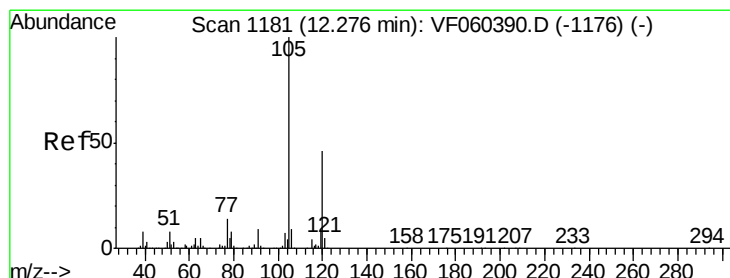
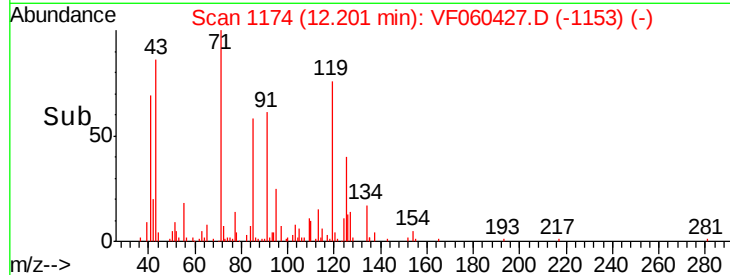
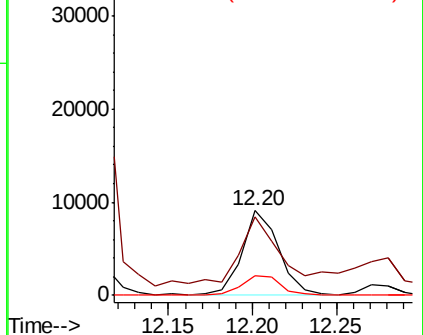
#83
tert-Butylbenzene
Concen: 2.464 ug/l
RT: 12.20 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VF060427.D
Acq: 3 Oct 2018 21:02

Instrument :
MSVOA_F
ClientSampleId :
HR-06-100218-A

Tot Ion:119 Resp: 13859
Ion Ratio Lower Upper
119 100
91 93.2 34.0 102.0
134 22.6 11.7 35.0

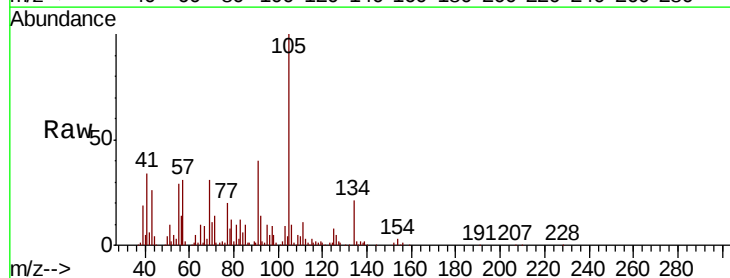


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

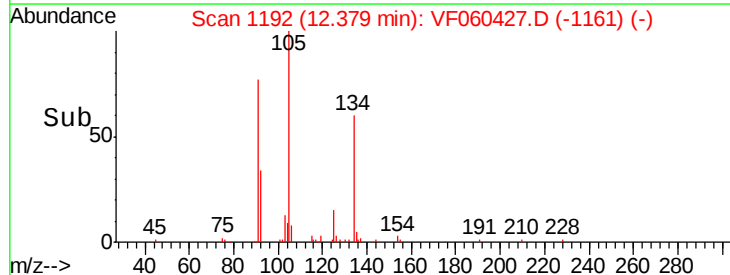
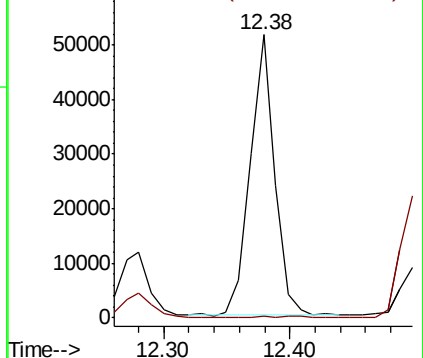


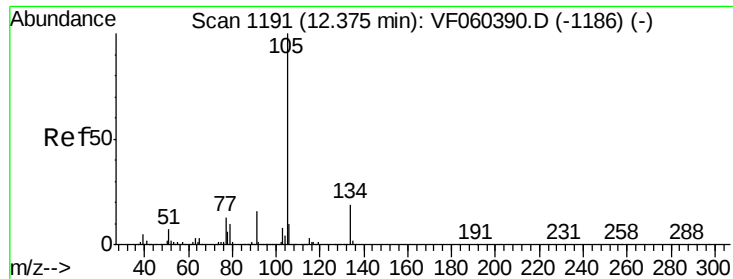
#84
1,2,4-Trimethylbenzene
Concen: 12.226 ug/l
RT: 12.38 min Scan# 1192
Delta R.T. 0.10 min
Lab File: VF060427.D
Acq: 3 Oct 2018 21:02

Tgt Ion:105 Resp: 69131
Ion Ratio Lower Upper
105 100
120 0.5 23.1 69.2#



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 8.981 ug/l

RT: 12.38 min Scan# 1192

Delta R.T. 0.00 min

Lab File: VF060427.D

Acq: 3 Oct 2018 21:02

Instrument :

MSVOA_F

ClientSampleId :

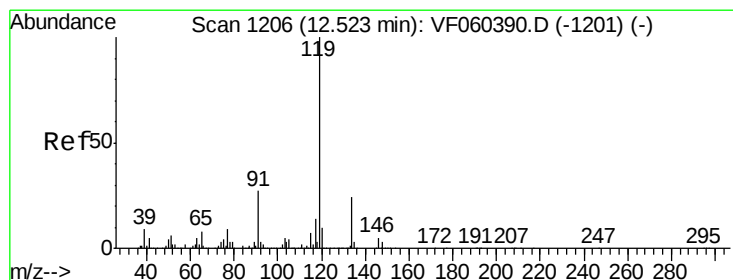
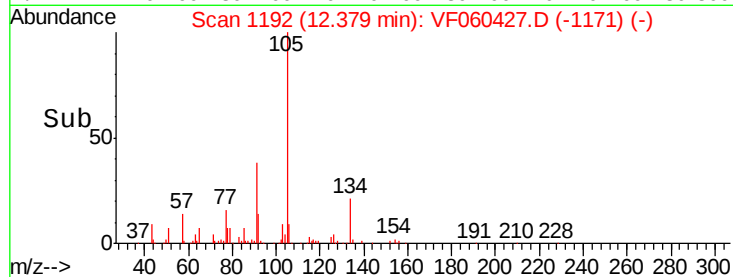
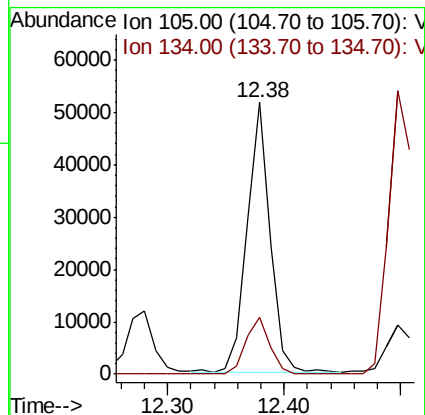
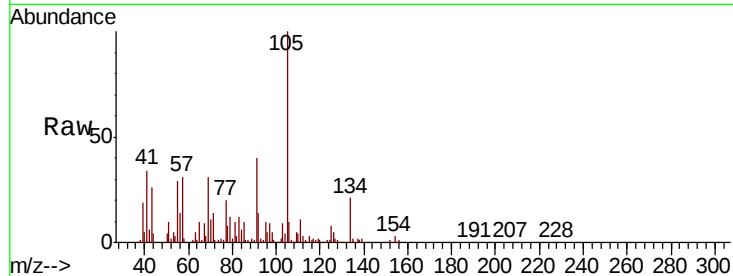
HR-06-100218-A

Tot Ion:105 Resp: 69717

Ion Ratio Lower Upper

105 100

134 20.7 9.4 28.3



#86

p-Isopropyltoluene

Concen: 54.702 ug/l

RT: 12.50 min Scan# 1204

Delta R.T. -0.03 min

Lab File: VF060427.D

Acq: 3 Oct 2018 21:02

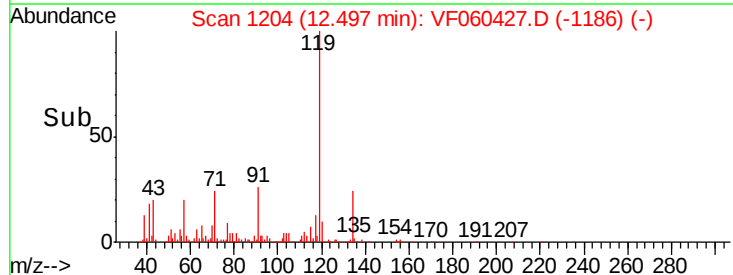
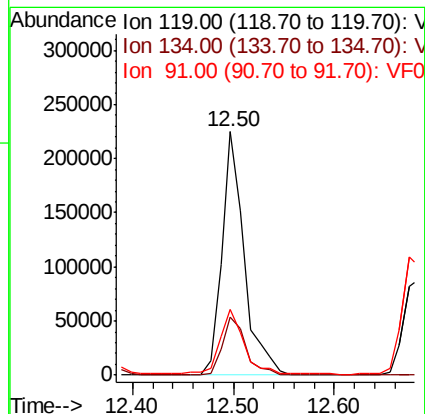
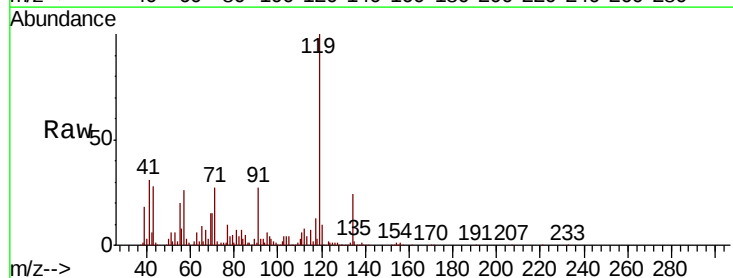
Tgt Ion:119 Resp: 346905

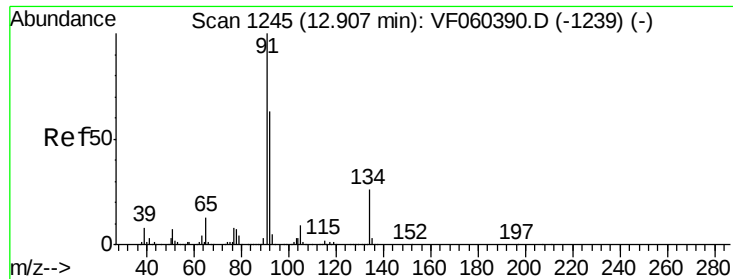
Ion Ratio Lower Upper

119 100

134 24.0 12.3 36.8

91 27.0 13.5 40.4





#89

n-Butylbenzene

Concen: 20.218 ug/l

RT: 12.89 min Scan# 1244

Delta R.T. -0.02 min

Lab File: VF060427.D

Acq: 3 Oct 2018 21:02

Instrument :

MSVOA_F

ClientSampleId :

HR-06-100218-A

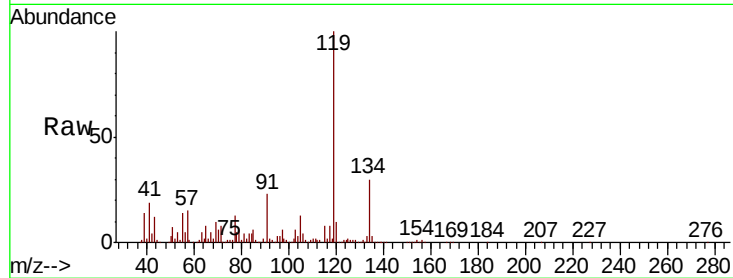
Tot Ion: 91 Resp: 135679

Ion Ratio Lower Upper

91 100

92 9.9 31.3 93.9#

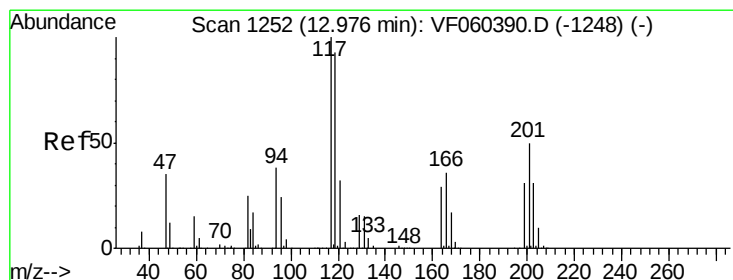
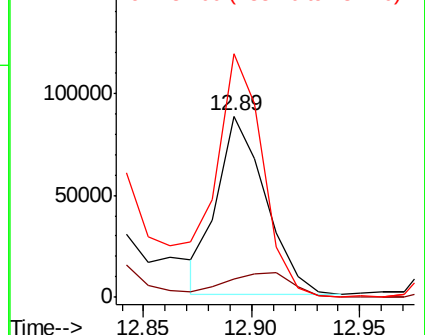
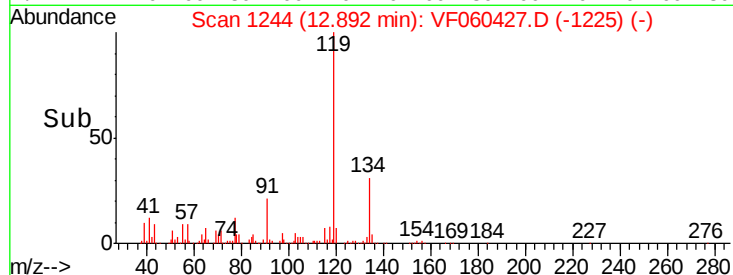
134 134.2 13.0 38.9#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 15.091 ug/l

RT: 12.99 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VF060427.D

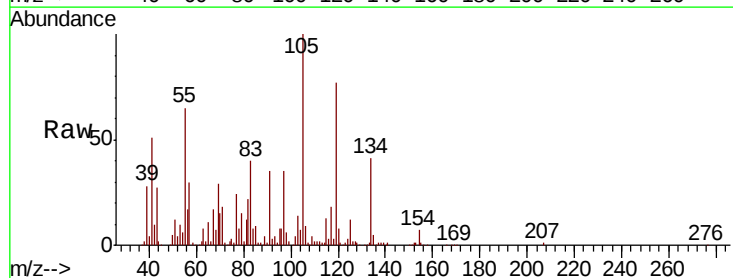
Acq: 3 Oct 2018 21:02

Tgt Ion: 117 Resp: 24735

Ion Ratio Lower Upper

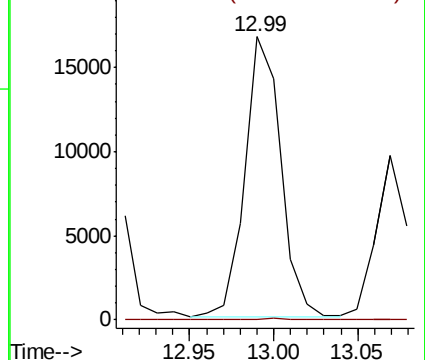
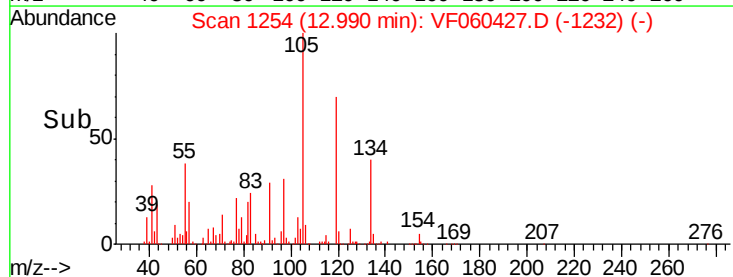
117 100

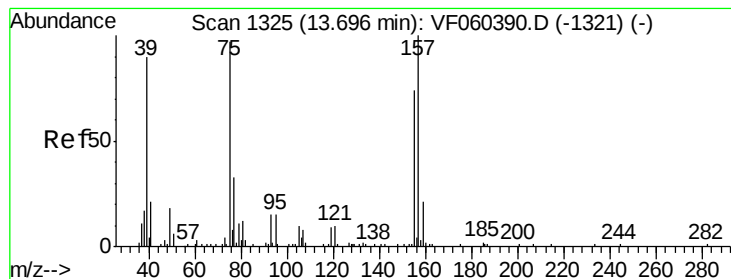
201 0.0 25.5 76.5#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 6.695 ug/l

RT: 13.67 min Scan# 1323

Delta R.T. -0.03 min

Lab File: VF060427.D

Acq: 3 Oct 2018 21:02

Instrument :

MSVOA_F

ClientSampleId :

HR-06-100218-A

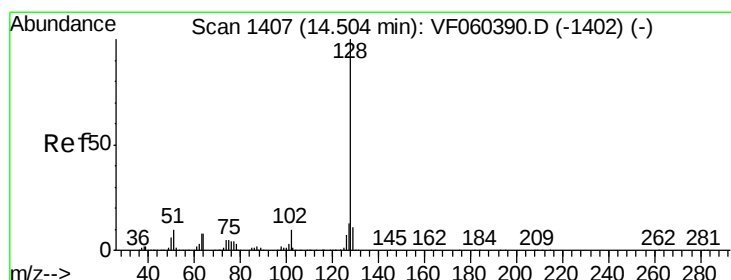
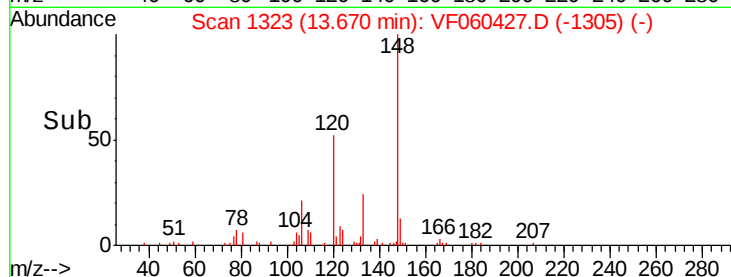
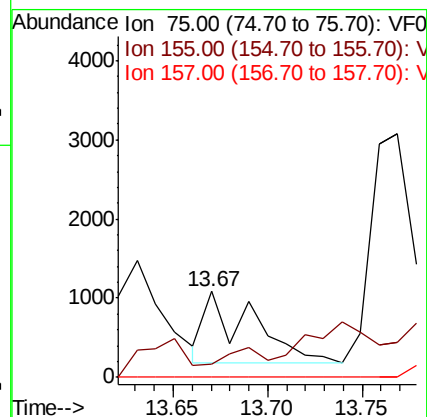
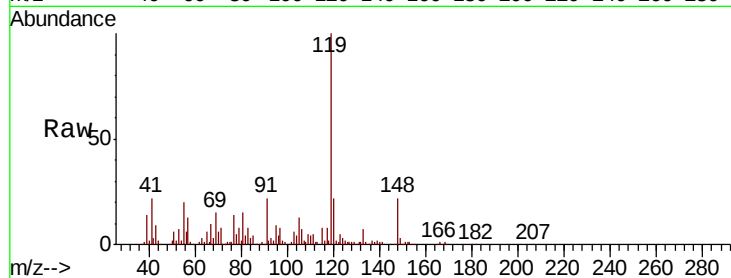
Tot Ion: 75 Resp: 1588

Ion Ratio Lower Upper

75 100

155 15.4 37.9 113.6#

157 0.0 51.3 154.0#



#95

Naphthalene

Concen: 9.550 ug/l

RT: 14.52 min Scan# 1409

Delta R.T. 0.01 min

Lab File: VF060427.D

Acq: 3 Oct 2018 21:02

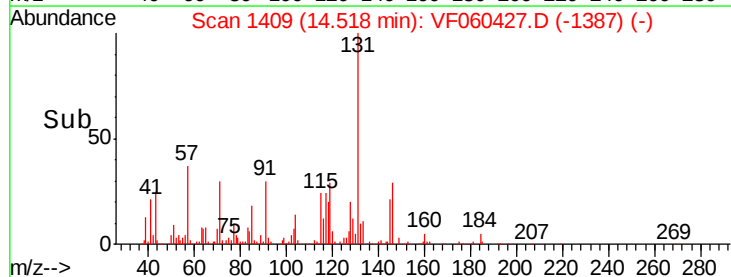
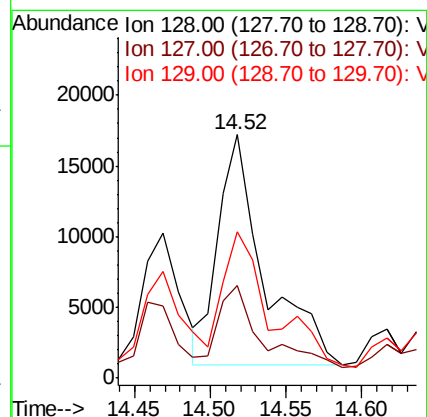
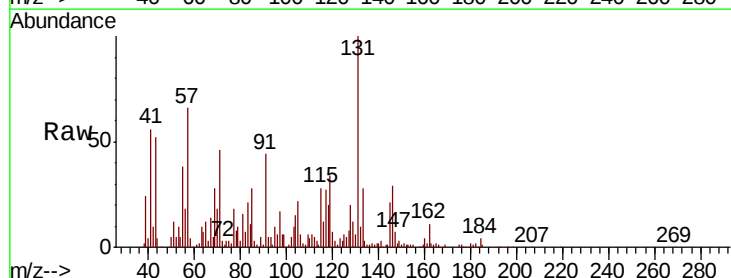
Tgt Ion:128 Resp: 34519

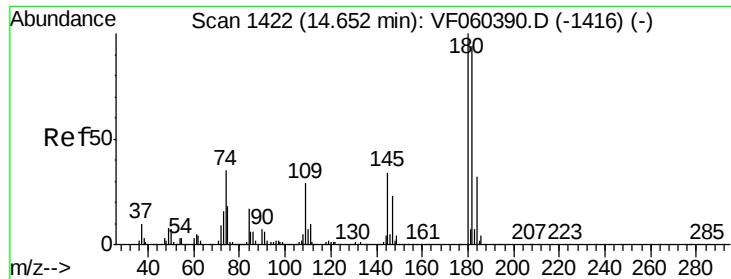
Ion Ratio Lower Upper

128 100

127 38.2 10.0 15.0#

129 59.9 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.807 ug/l
 RT: 14.70 min Scan# 1427
 Delta R.T. 0.04 min
 Lab File: VF060427.D
 Acq: 3 Oct 2018 21:02

Instrument :
 MSVOA_F
 ClientSampleId :
 HR-06-100218-A

Tot Ion	Ratio	Lower	Upper
180	100		
182	31.9	46.8	140.3#
145	170.5	16.9	50.6#

