

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100318\
 Data File : VF060429.D
 Acq On : 3 Oct 2018 21:57
 Operator : VA/AP
 Sample : J5194-05
 Misc : 6.74/5mL/MSVOA F/SOIL
 ALS Vial : 43 Sample Multiplier: 1

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

Quant Time: Oct 04 05:24:31 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	5.02	168	267755	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	435125	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	285017	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	142768	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	189468	45.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.44%	
35) Dibromofluoromethane	4.27	113	222696	54.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.96%	
50) Toluene-d8	7.69	98	271530	26.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	53.94%	
62) 4-Bromofluorobenzene	11.50	95	171521	37.31	ug/l	0.01
Spiked Amount	50.000		Recovery	=	74.62%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	0.98	85	269	Below Cal	#	14
8) Diethyl Ether	1.69	74	2814	2.340	ug/l	70
11) Tert butyl alcohol	2.70	59	1853	7.312	ug/l #	42
13) Acrolein	2.00	56	873	4.283	ug/l	90
15) Acrylonitrile	3.03	53	1528	3.519	ug/l #	51
16) Acetone	2.32	43	32495	15.413	ug/l	96
18) Methyl Acetate	2.44	43	6391	2.365	ug/l	98
20) Methylene Chloride	2.27	84	11340	Below Cal	#	80
25) 2-Butanone	4.48	43	5889	5.428	ug/l #	71
29) Tetrahydrofuran	4.25	42	1344	Below Cal	#	64
39) Methylcyclohexane	5.61	83	16687	3.173	ug/l #	82
49) 1,4-Dioxane	6.86	88	194	12.625	ug/l #	20
51) 4-Methyl-2-Pentanone	8.41	43	12843	7.267	ug/l #	50
52) Toluene	7.77	92	10518	1.454	ug/l #	66
56) Ethyl methacrylate	8.75	69	40859	15.682	ug/l #	63
58) 2-Chloroethyl Vinyl ether	7.75	63	1690	6.350	ug/l	100
59) 2-Hexanone	9.61	43	2361	1.821	ug/l	85
67) Ethyl Benzene	10.02	91	74904	6.729	ug/l	98
68) m/p-Xylenes	10.25	106	62001	16.201	ug/l	91
69) o-Xylene	10.81	106	172293	41.304	ug/l	94
73) Isopropylbenzene	11.22	105	82583	7.346	ug/l	96
74) N-amyl acetate	11.48	43	7932	3.075	ug/l #	21
75) 1,1,2,2-Tetrachloroethane	11.75	83	21028	10.260	ug/l #	51
76) 1,2,3-Trichloropropane	11.90	75	8962	5.940	ug/l #	1
78) n-propylbenzene	11.68	91	224225	16.454	ug/l	98
79) 2-Chlorotoluene	11.80	91	93871	11.776	ug/l #	47
80) 1,3,5-Trimethylbenzene	11.90	105	833045	87.224	ug/l	95
82) 4-Chlorotoluene	11.90	91	89317	10.951	ug/l #	44
83) tert-Butylbenzene	12.20	119	16496	1.751	ug/l	88
84) 1,2,4-Trimethylbenzene	12.28	105	843723	89.079	ug/l	100
85) sec-Butylbenzene	12.38	105	310222	23.859	ug/l	91
86) p-Isopropyltoluene	12.50	119	696321	65.550	ug/l	97
89) n-Butylbenzene	12.90	91	383281	34.097	ug/l #	32
90) Hexachloroethane	12.99	117	31780	11.575	ug/l #	27

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QLast Update : Tue Oct 02 11:42:56 2018
Response via : Initial Calibration

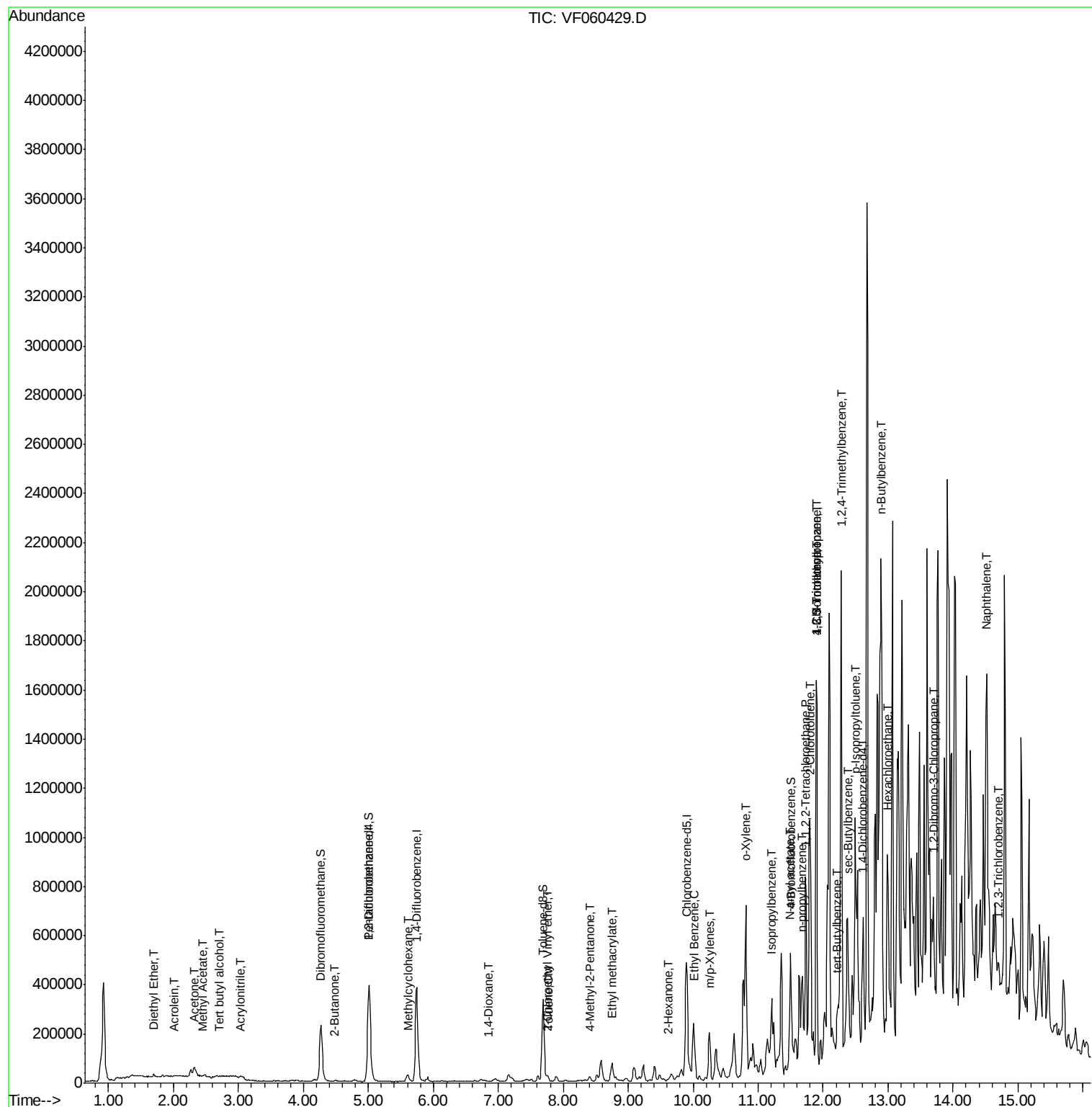
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) 1,2-Dibromo-3-Chloropropan	13.69	75	3266	8.220	ug/l #	13
95) Naphthalene	14.52	128	251056	41.466	ug/l #	76
96) 1,2,3-Trichlorobenzene	14.70	180	4693	1.478	ug/l #	1

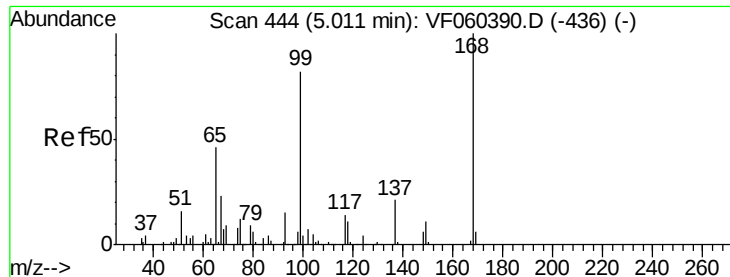
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 445

Delta R.T. 0.00 min

Lab File: VF060429.D

Acq: 3 Oct 2018 21:57

Instrument :

MSVOA_F

ClientSampleId :

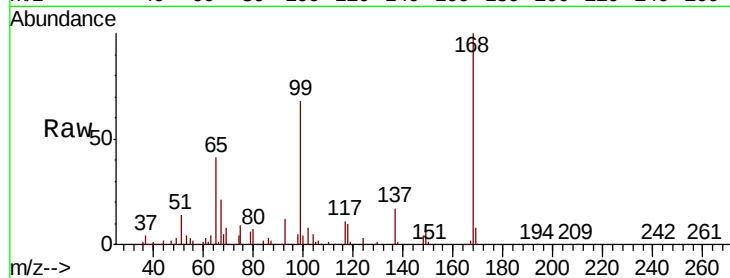
HR-06-100218-C

Tot Ion:168 Resp: 267755

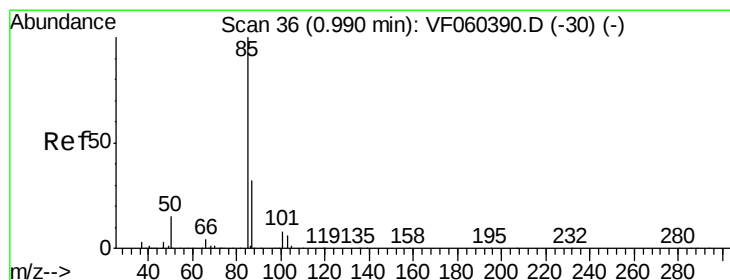
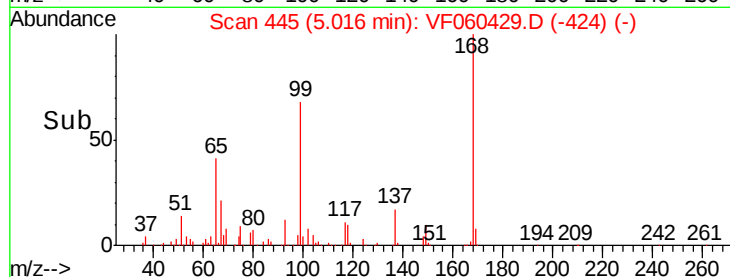
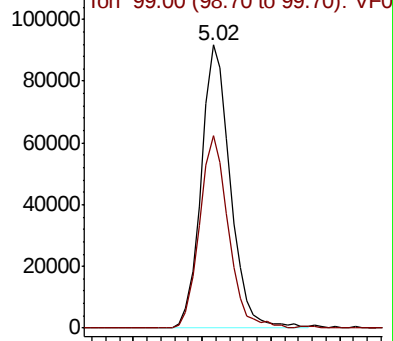
Ion Ratio Lower Upper

168 100

99 68.0 65.3 97.9



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.98 min Scan# 36

Delta R.T. -0.00 min

Lab File: VF060429.D

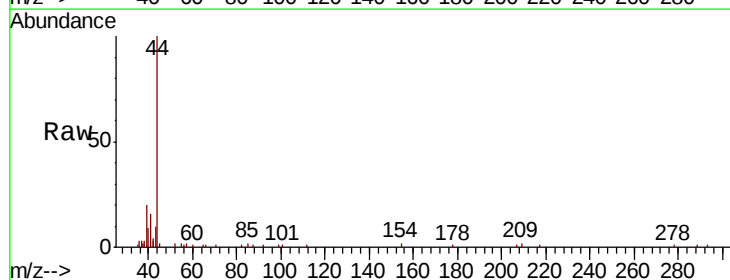
Acq: 3 Oct 2018 21:57

Tgt Ion: 85 Resp: 269

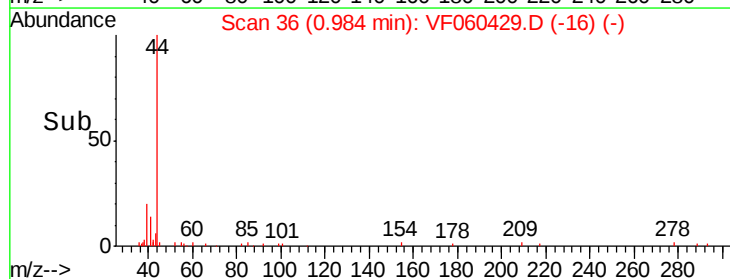
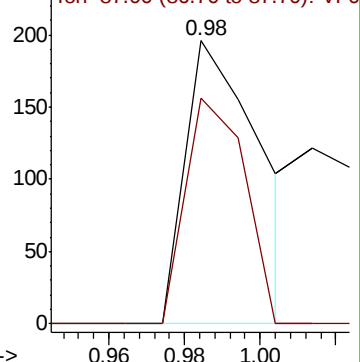
Ion Ratio Lower Upper

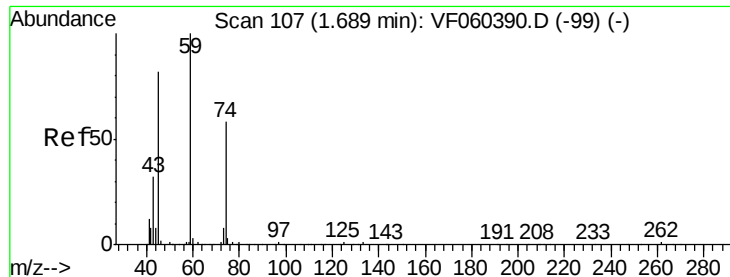
85 100

87 79.6 15.9 47.6#



Abundance Ion 85.00 (84.70 to 85.70): VF0





#8

Diethyl Ether

Concen: 2.340 ug/l

RT: 1.69 min Scan# 108

Delta R.T. 0.00 min

Lab File: VF060429.D

Acq: 3 Oct 2018 21:57

Instrument :

MSVOA_F

ClientSampleId :

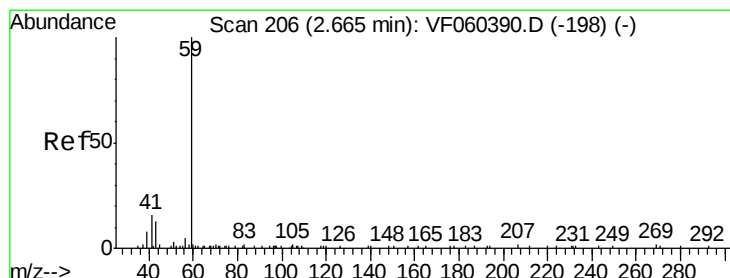
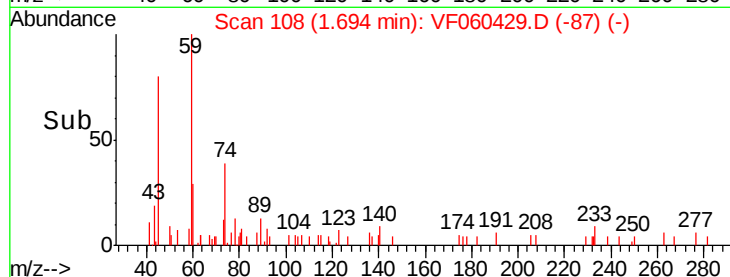
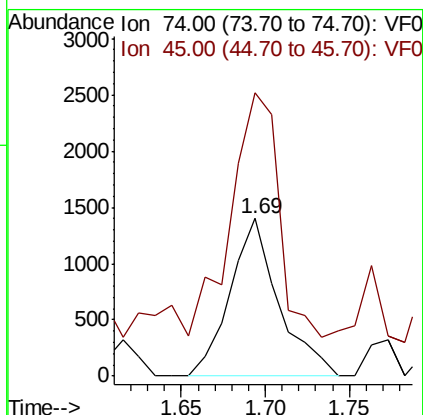
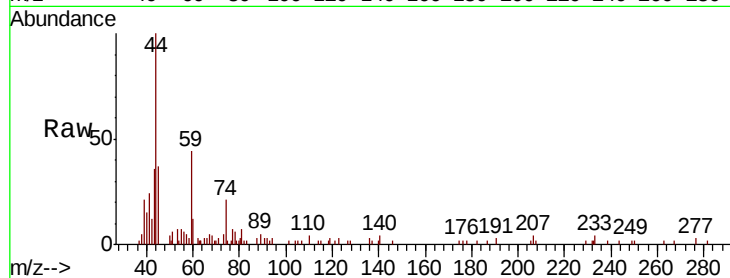
HR-06-100218-C

Tot Ion: 74 Resp: 2814

Ion Ratio Lower Upper

74 100

45 179.8 71.3 213.8



#11

Tert butyl alcohol

Concen: 7.312 ug/l

RT: 2.70 min Scan# 210

Delta R.T. 0.03 min

Lab File: VF060429.D

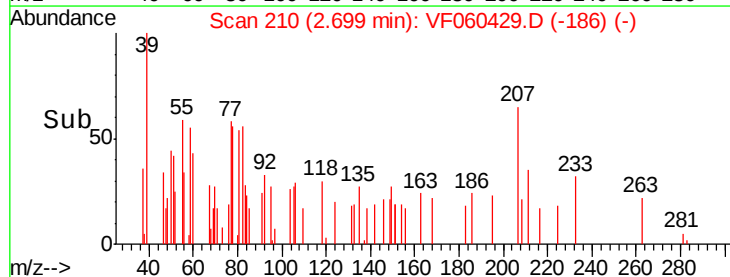
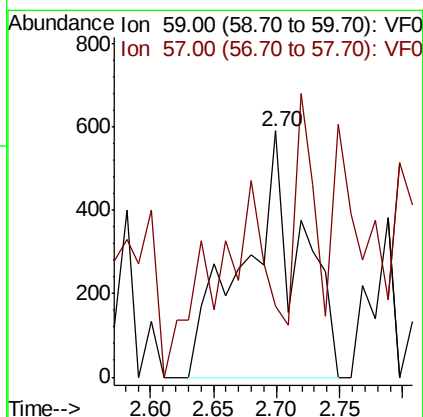
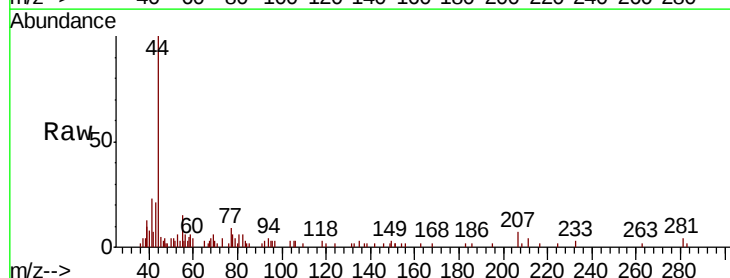
Acq: 3 Oct 2018 21:57

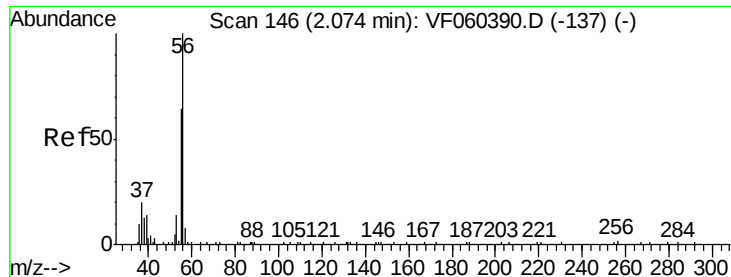
Tgt Ion: 59 Resp: 1853

Ion Ratio Lower Upper

59 100

57 28.6 6.5 9.7#

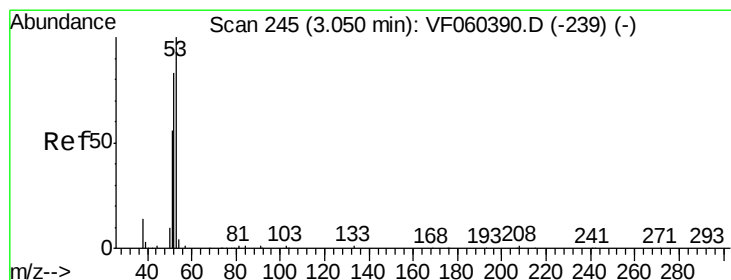
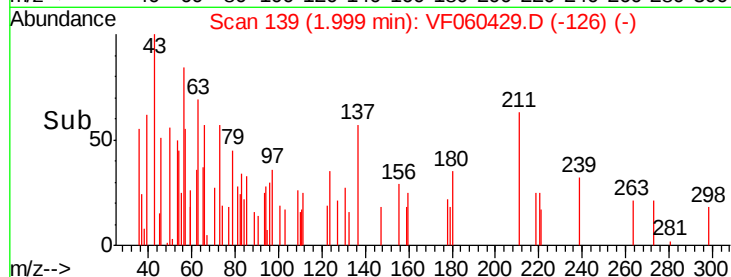
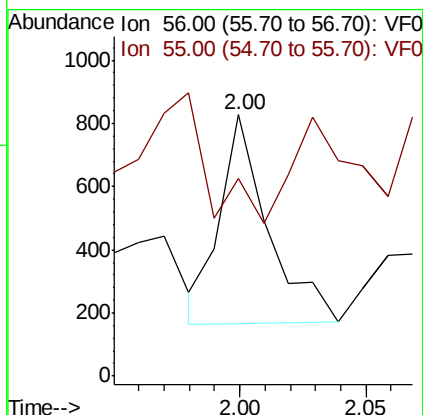
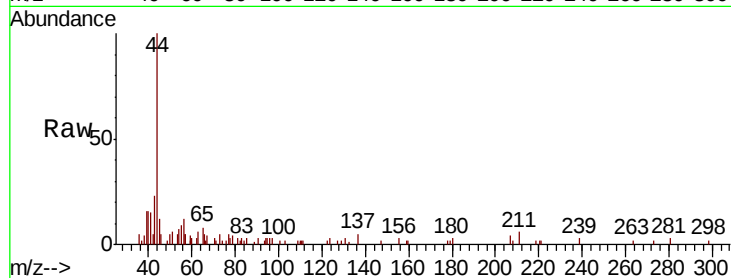




#13
Acrolein
Concen: 4.283 ug/l
RT: 2.00 min Scan# 139
Delta R.T. -0.07 min
Lab File: VF060429.D
Acq: 3 Oct 2018 21:57

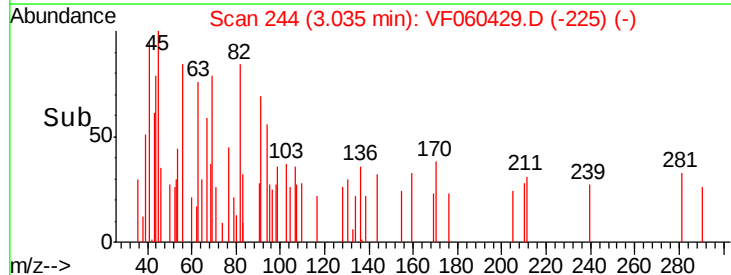
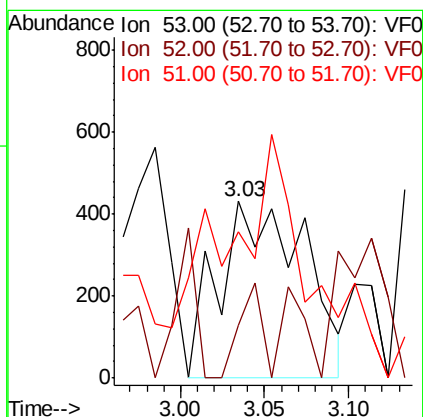
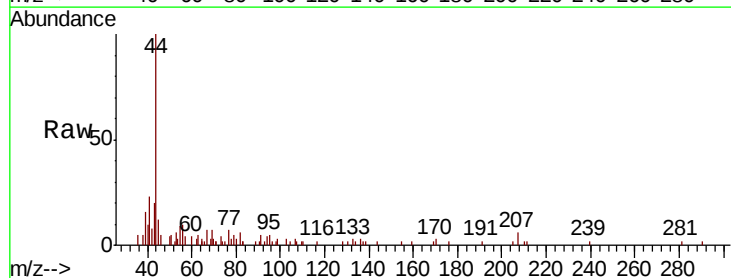
Instrument :
MSVOA_F
ClientSampleId :
HR-06-100218-C

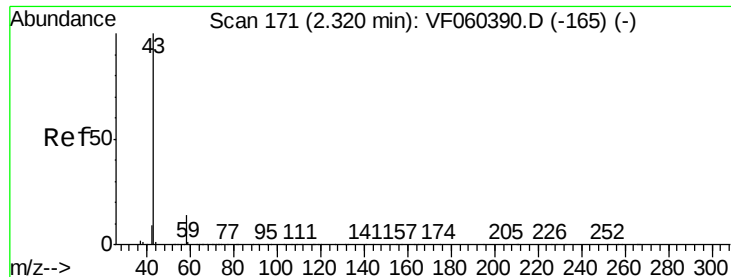
Tot Ion: 56 Resp: 873
Ion Ratio Lower Upper
56 100
55 75.8 53.9 80.9



#15
Acrylonitrile
Concen: 3.519 ug/l
RT: 3.03 min Scan# 244
Delta R.T. -0.02 min
Lab File: VF060429.D
Acq: 3 Oct 2018 21:57

Tgt Ion: 53 Resp: 1528
Ion Ratio Lower Upper
53 100
52 29.9 66.0 99.0#
51 82.8 45.6 68.4#





#16

Acetone

Concen: 15.413 ug/l

RT: 2.32 min Scan# 172

Delta R.T. 0.00 min

Lab File: VF060429.D

Acq: 3 Oct 2018 21:57

Instrument :

MSVOA_F

ClientSampleId :

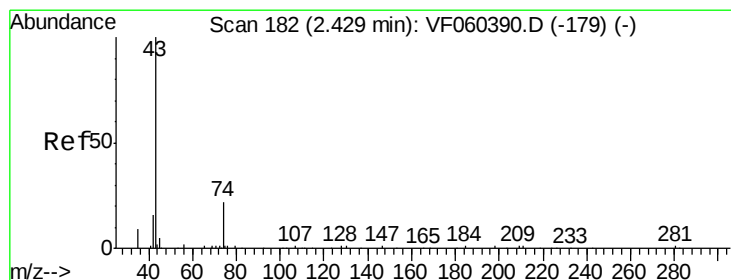
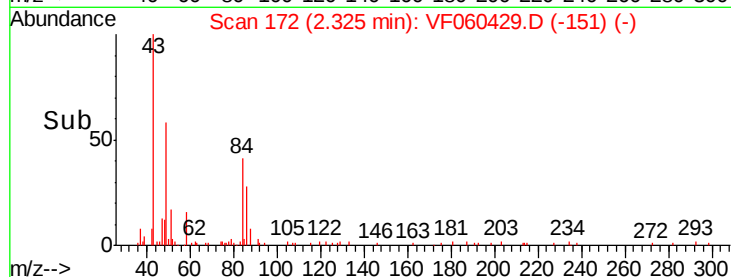
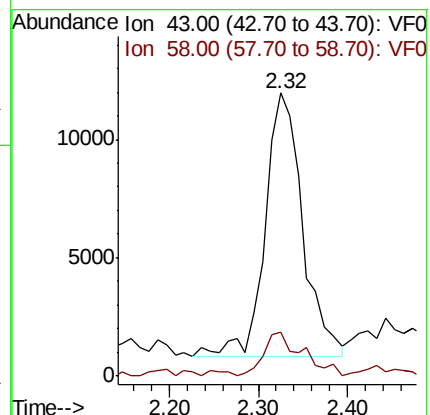
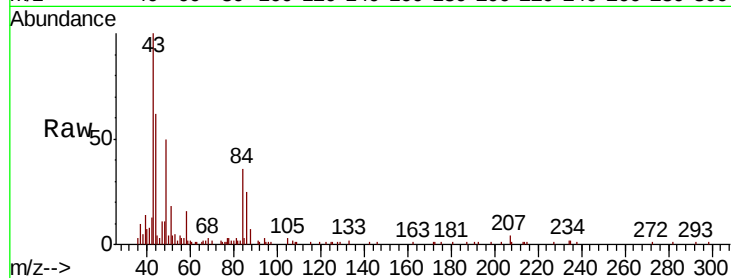
HR-06-100218-C

Tot Ion: 43 Resp: 32495

Ion Ratio Lower Upper

43 100

58 15.7 11.2 16.8



#18

Methyl Acetate

Concen: 2.365 ug/l

RT: 2.44 min Scan# 184

Delta R.T. 0.02 min

Lab File: VF060429.D

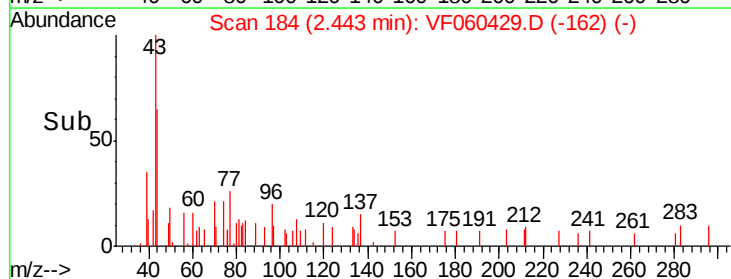
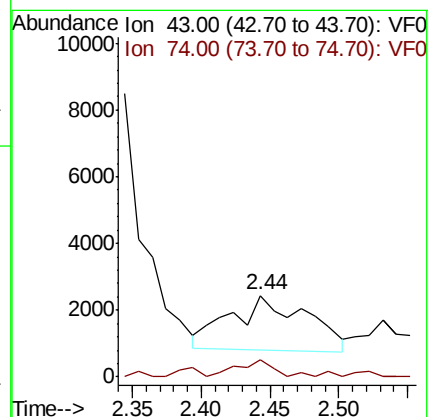
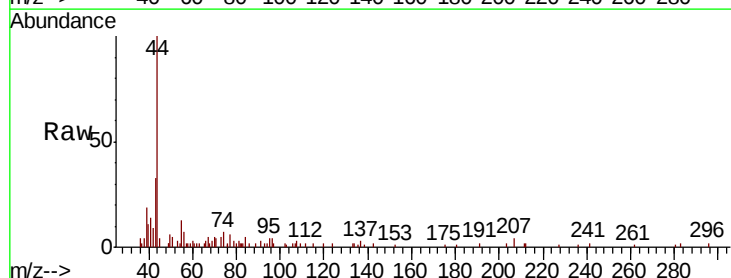
Acq: 3 Oct 2018 21:57

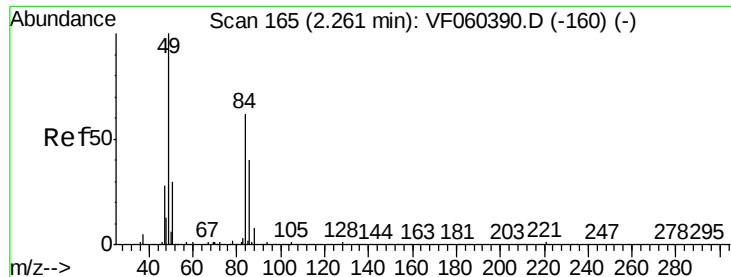
Tgt Ion: 43 Resp: 6391

Ion Ratio Lower Upper

43 100

74 20.9 15.8 23.8





#20

Methylene Chloride

Concen: Below Cal

RT: 2.27 min Scan# 166

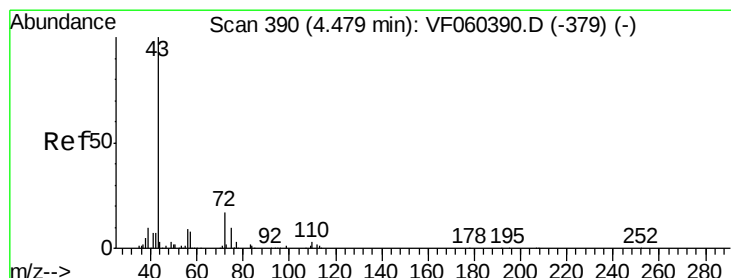
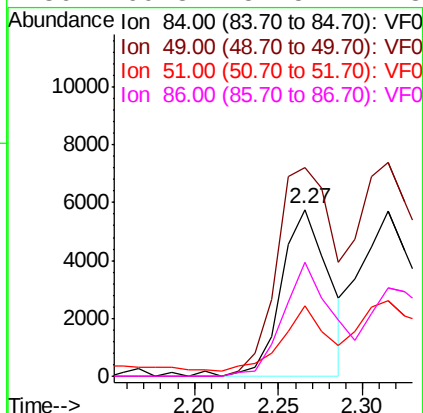
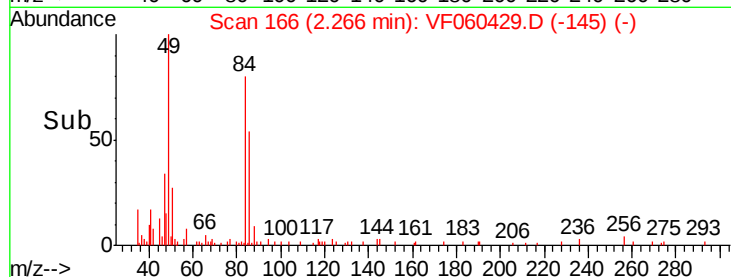
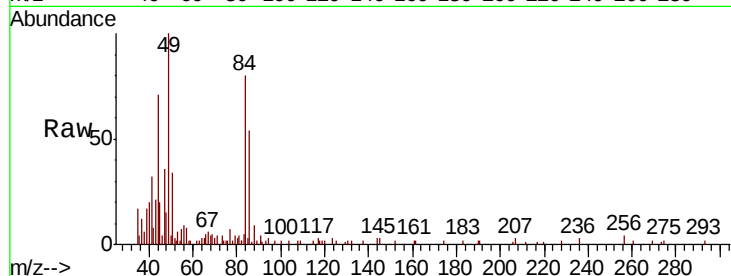
Delta R.T. 0.00 min

Lab File: VF060429.D

Acq: 3 Oct 2018 21:57

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HR-06-100218-C

Tot Ion:	84	Resp:	11340
Ion	Ratio	Lower	Upper
84	100		
49	125.0	130.2	195.2#
51	45.4	41.0	61.6
86	69.8	51.5	77.3



#25

2-Butanone

Concen: 5.428 ug/l

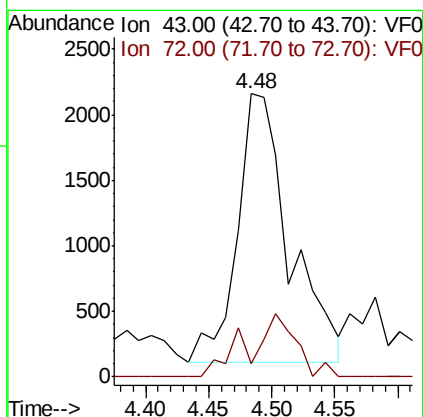
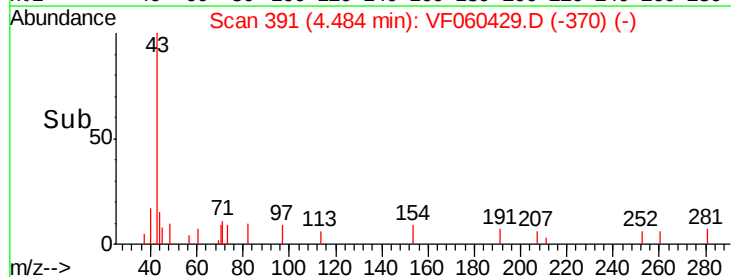
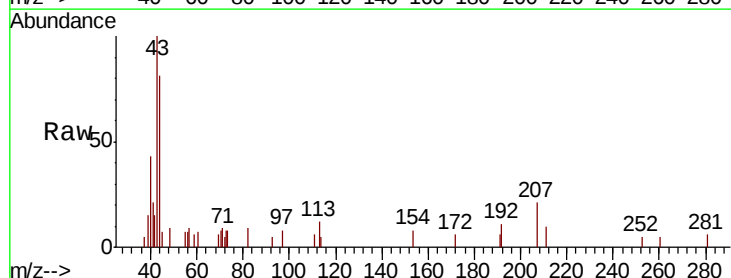
RT: 4.48 min Scan# 391

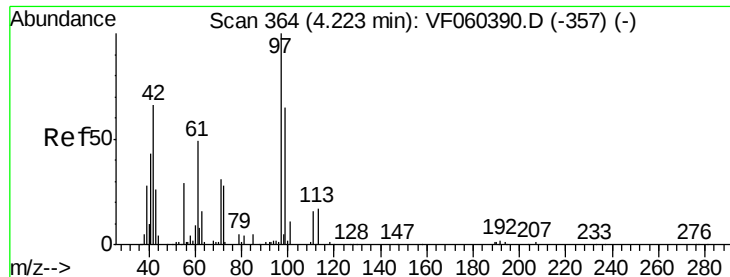
Delta R.T. 0.00 min

Lab File: VF060429.D

Acq: 3 Oct 2018 21:57

Tgt Ion:	43	Resp:	5889
Ion	Ratio	Lower	Upper
43	100		
72	4.7	14.1	21.1#





#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.25 min Scan# 367

Delta R.T. 0.02 min

Lab File: VF060429.D

Acq: 3 Oct 2018 21:57

Instrument :

MSVOA_F

ClientSampleId :

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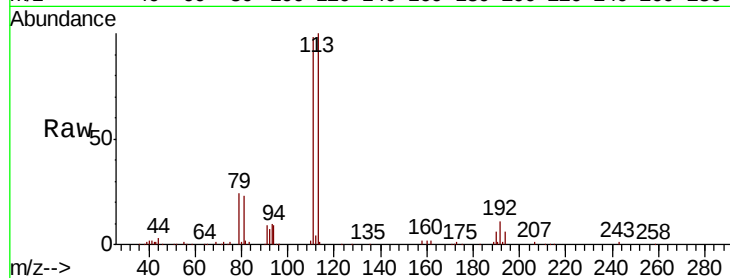
Tot Ion: 42 Resp: 1344

Ion Ratio Lower Upper

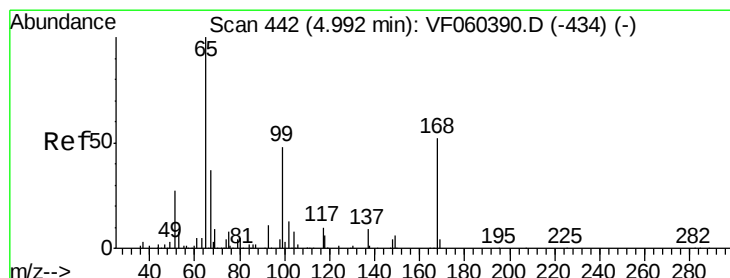
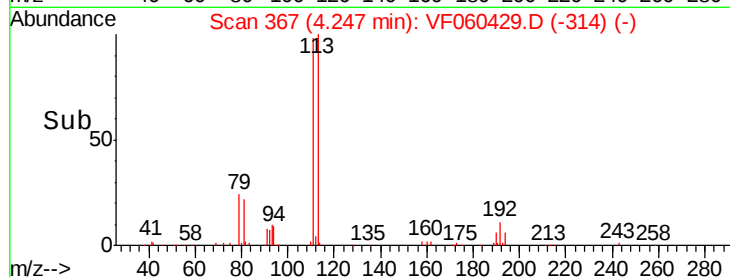
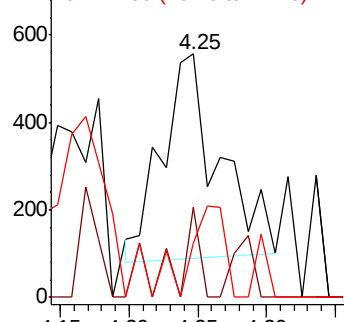
42 100

72 13.9 33.6 50.4#

71 23.7 32.7 49.1#



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



#33

1,2-Dichloroethane-d4

Concen: 45.222 ug/l

RT: 5.00 min Scan# 443

Delta R.T. 0.00 min

Lab File: VF060429.D

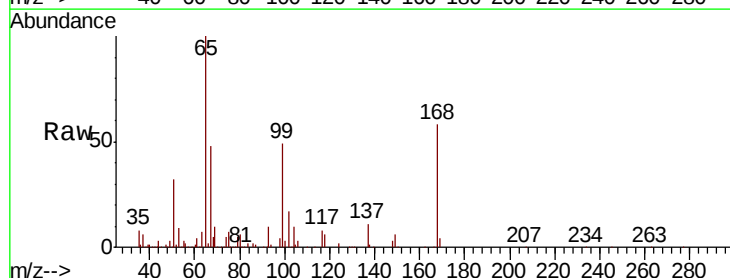
Acq: 3 Oct 2018 21:57

Tgt Ion: 65 Resp: 189468

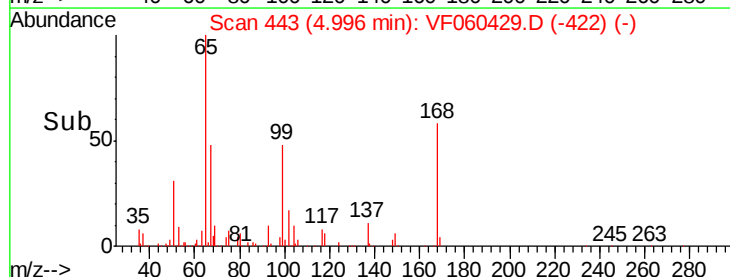
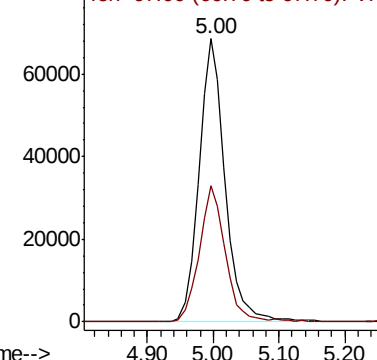
Ion Ratio Lower Upper

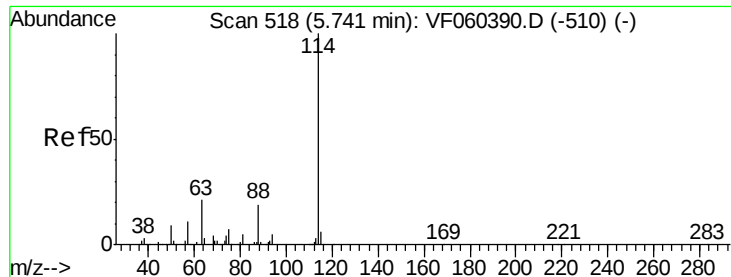
65 100

67 48.1 0.0 89.4



Abundance Ion 65.00 (64.70 to 65.70): VF0
Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 519

Delta R.T. 0.00 min

Lab File: VF060429.D

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MSVOA_F

ClientSampleId :

HR-06-100218-C

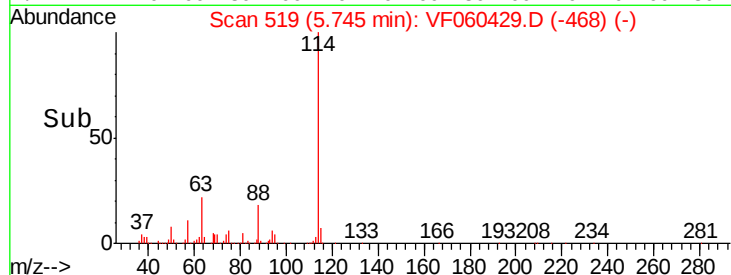
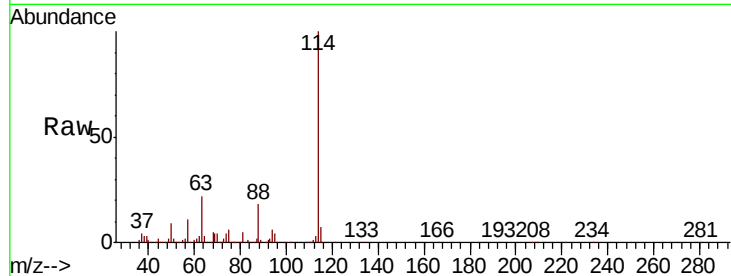
Tot Ion:114 Resp: 435125

Ion Ratio Lower Upper

114 100

63 22.1 0.0 42.2

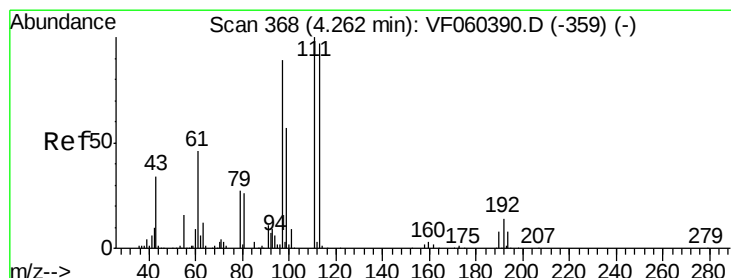
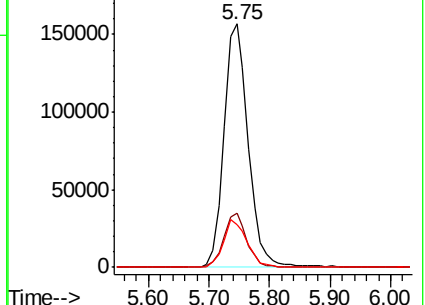
88 17.7 0.0 38.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 54.479 ug/l

RT: 4.27 min Scan# 369

Delta R.T. 0.00 min

Lab File: VF060429.D

Acq: 3 Oct 2018 21:57

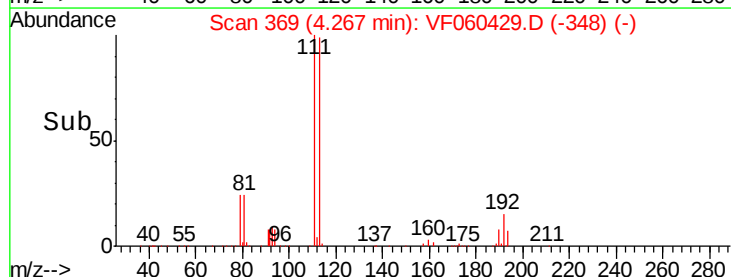
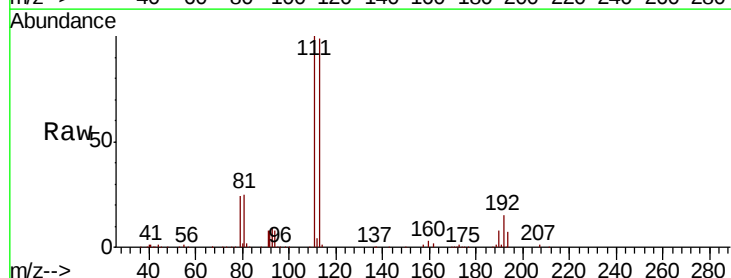
Tgt Ion:113 Resp: 222696

Ion Ratio Lower Upper

113 100

111 100.6 82.3 123.5

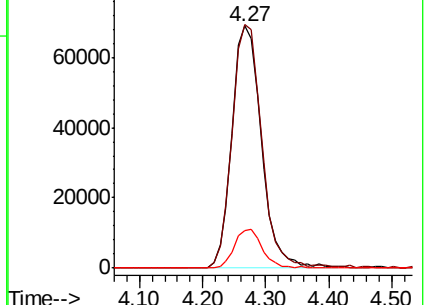
192 15.6 11.8 17.6

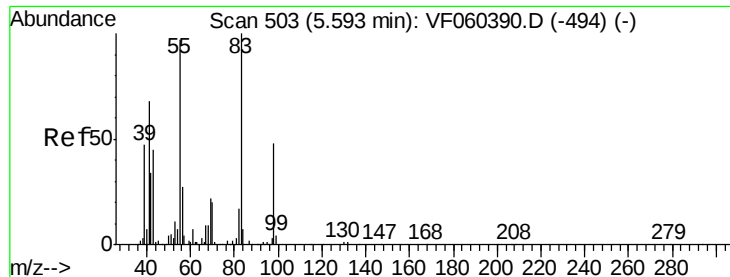


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#39

Methylcyclohexane

Concen: 3.173 ug/l

RT: 5.61 min Scan# 505

Delta R.T. 0.01 min

Lab File: VF060429.D

Acq: 3 Oct 2018 21:57

Instrument :

MSVOA_F

ClientSampleId :

HR-06-100218-C

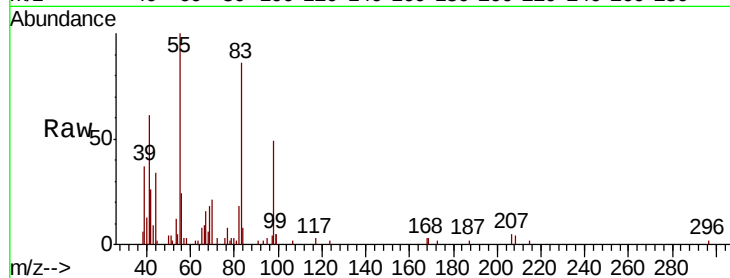
Tot Ion: 83 Resp: 16687

Ion Ratio Lower Upper

83 100

55 116.6 77.5 116.3#

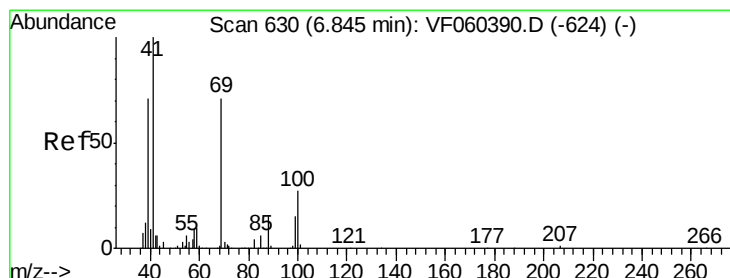
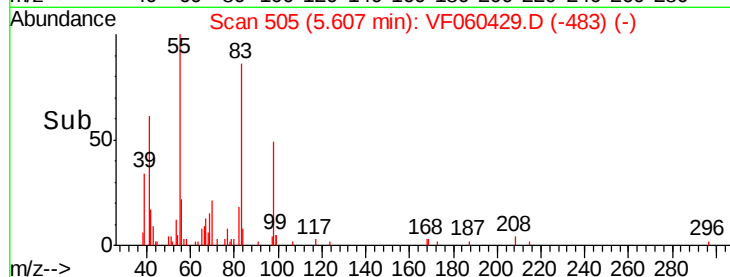
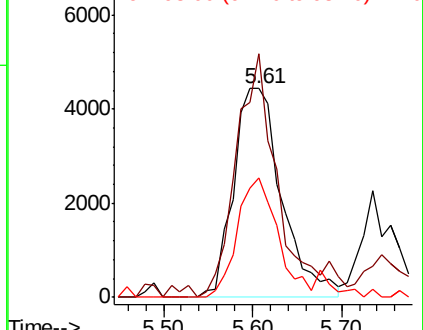
98 57.4 38.7 58.1



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



#49

1,4-Dioxane

Concen: 12.625 ug/l

RT: 6.86 min Scan# 632

Delta R.T. 0.01 min

Lab File: VF060429.D

Acq: 3 Oct 2018 21:57

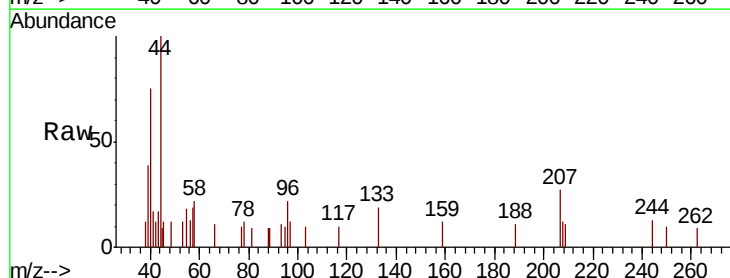
Tgt Ion: 88 Resp: 194

Ion Ratio Lower Upper

88 100

43 97.1 38.3 57.5#

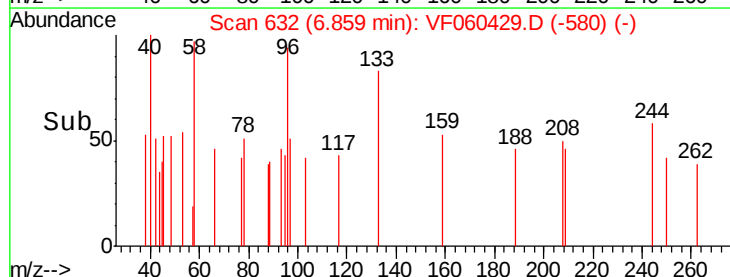
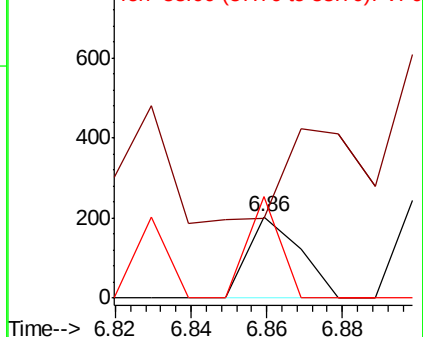
58 124.0 47.4 71.2#

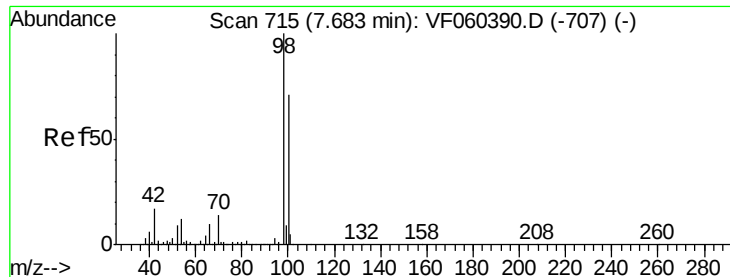


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#50

Toluene-d8

Concen: 26.972 ug/l

RT: 7.69 min Scan# 716

Delta R.T. 0.00 min

Lab File: VF060429.D

Acq: 3 Oct 2018 21:57

Instrument :

MSVOA_F

ClientSampleId :

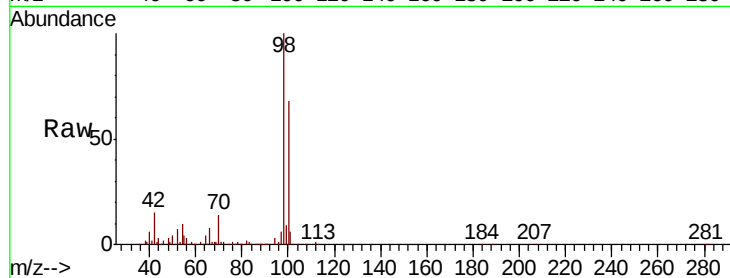
HR-06-100218-C

Tot Ion: 98 Resp: 271530

Ion Ratio Lower Upper

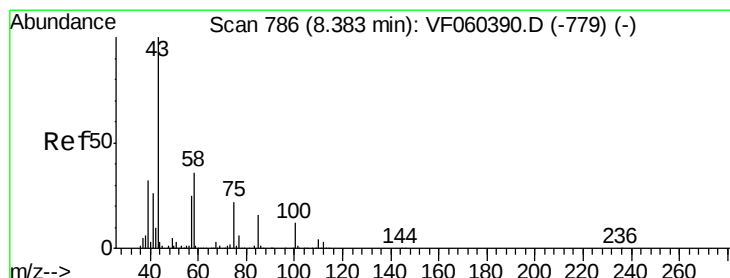
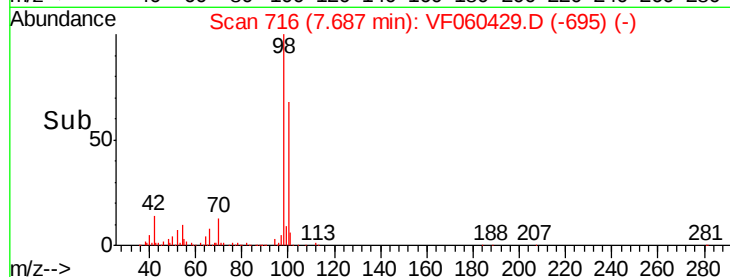
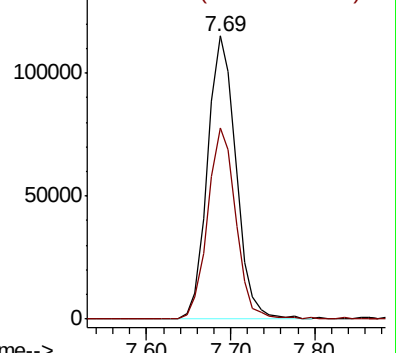
98 100

100 67.7 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: 7.267 ug/l

RT: 8.41 min Scan# 789

Delta R.T. 0.02 min

Lab File: VF060429.D

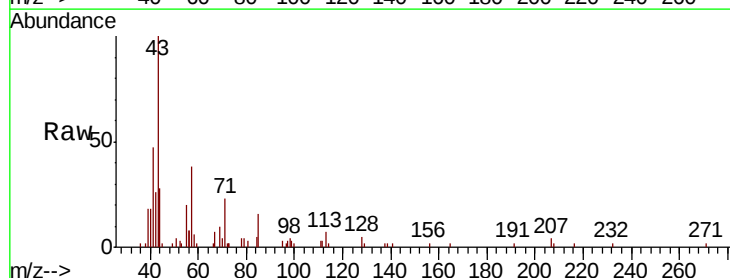
Acq: 3 Oct 2018 21:57

Tgt Ion: 43 Resp: 12843

Ion Ratio Lower Upper

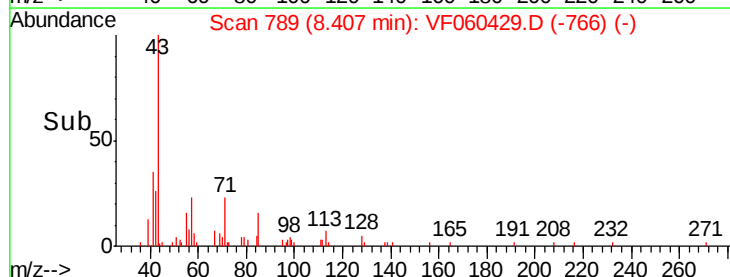
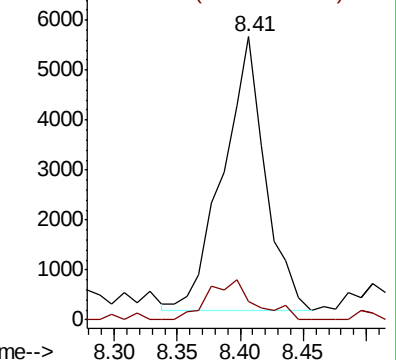
43 100

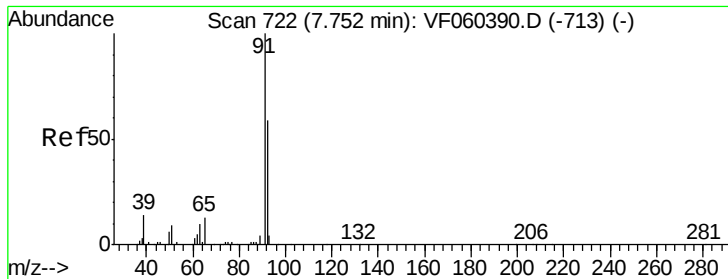
58 6.5 28.5 42.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#52

Toluene

Concen: 1.454 ug/l

RT: 7.77 min Scan# 724

Delta R.T. 0.01 min

Lab File: VF060429.D

Acq: 3 Oct 2018 21:57

Instrument :

MSVOA_F

ClientSampleId :

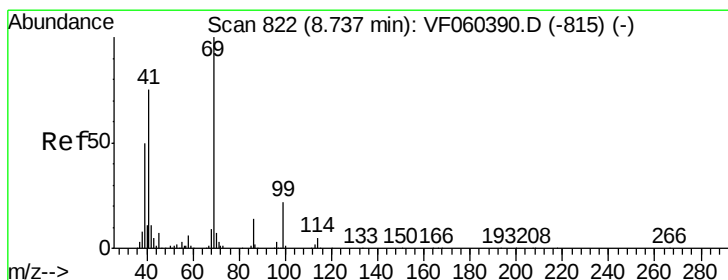
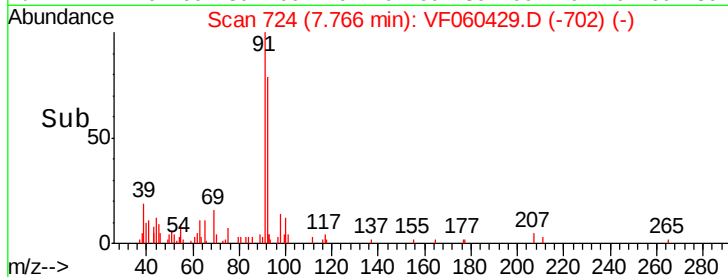
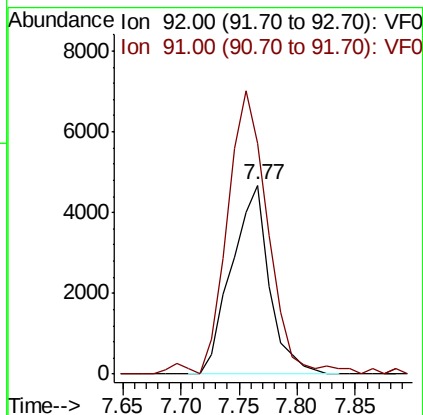
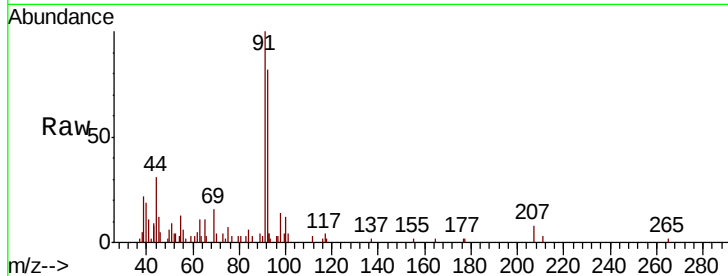
HR-06-100218-C

Tot Ion: 92 Resp: 10518

Ion Ratio Lower Upper

92 100

91 122.3 135.4 203.0#



#56

Ethyl methacrylate

Concen: 15.682 ug/l

RT: 8.75 min Scan# 824

Delta R.T. 0.01 min

Lab File: VF060429.D

Acq: 3 Oct 2018 21:57

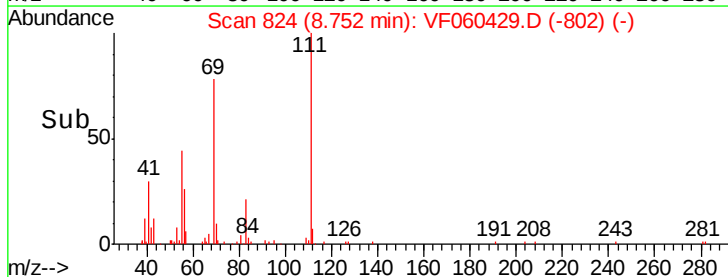
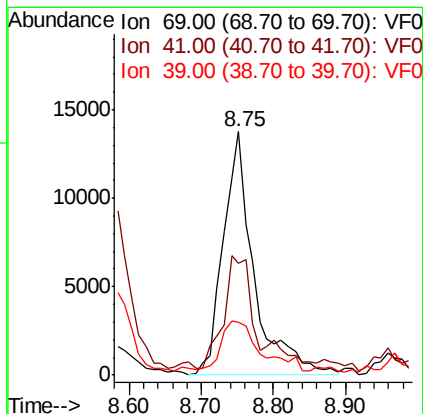
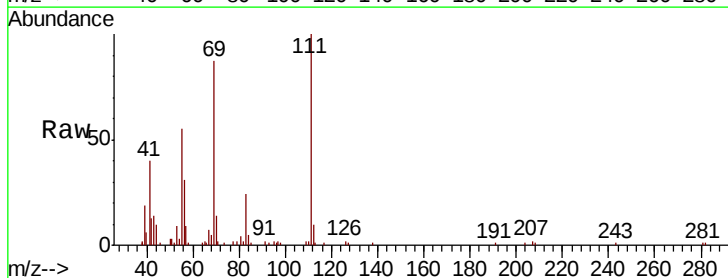
Tgt Ion: 69 Resp: 40859

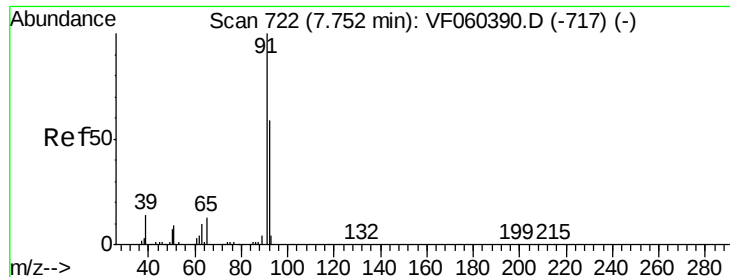
Ion Ratio Lower Upper

69 100

41 46.0 60.2 90.4#

39 21.5 40.2 60.2#





#58

2-Chloroethyl Vinyl ether

Concen: 6.350 ug/l

RT: 7.75 min Scan# 722

Delta R.T. -0.01 min

Lab File: VF060429.D

Acq: 3 Oct 2018 21:57

Instrument :

MSVOA_F

ClientSampleId :

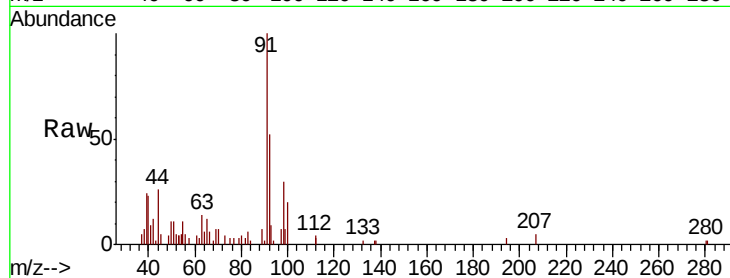
HR-06-100218-C

Tot Ion: 63 Resp: 1690

Ion Ratio Lower Upper

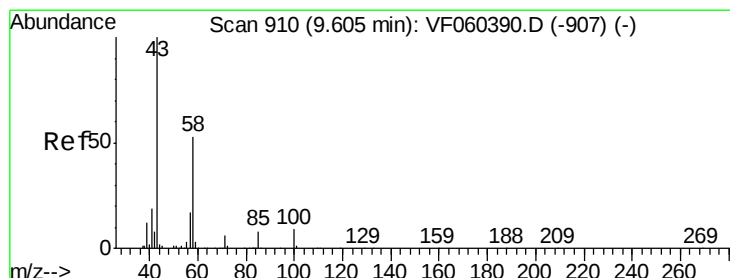
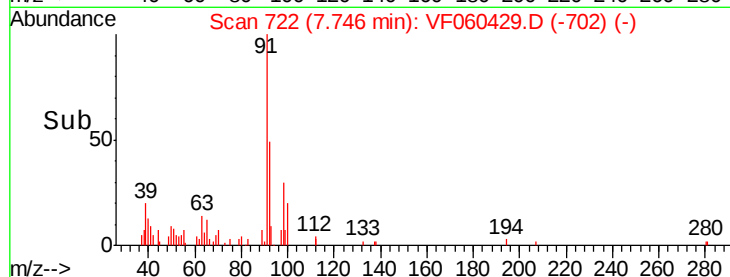
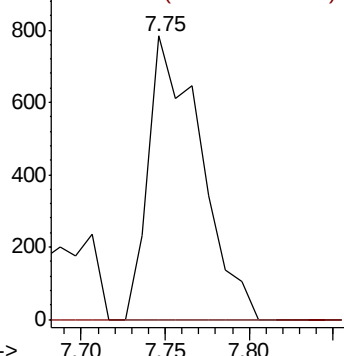
63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V



#59

2-Hexanone

Concen: 1.821 ug/l

RT: 9.61 min Scan# 911

Delta R.T. 0.00 min

Lab File: VF060429.D

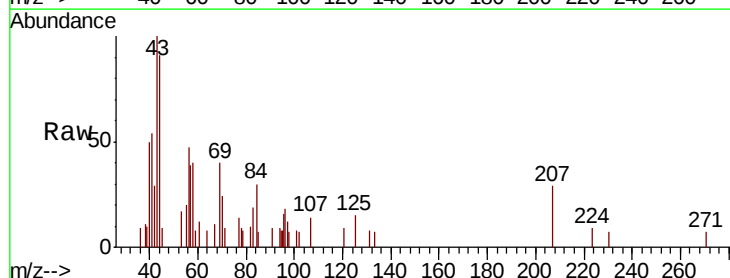
Acq: 3 Oct 2018 21:57

Tgt Ion: 43 Resp: 2361

Ion Ratio Lower Upper

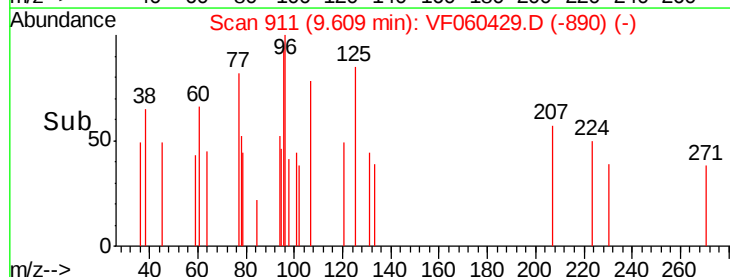
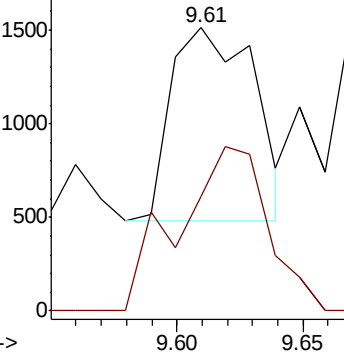
43 100

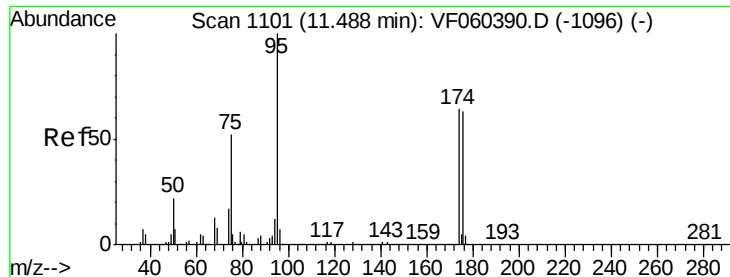
58 40.3 25.6 76.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 37.314 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VF060429.D

Acq: 3 Oct 2018 21:57

Instrument :

MSVOA_F

ClientSampleId :

HR-06-100218-C

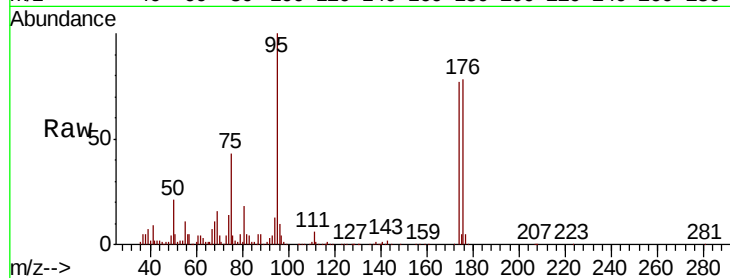
Tot Ion: 95 Resp: 171521

Ion Ratio Lower Upper

95 100

174 77.2 0.0 129.0

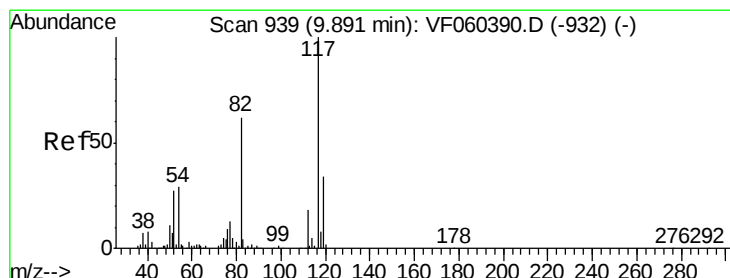
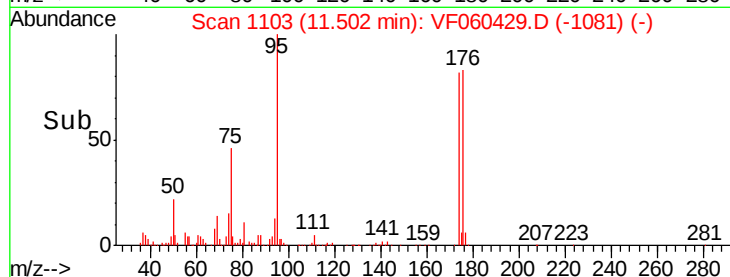
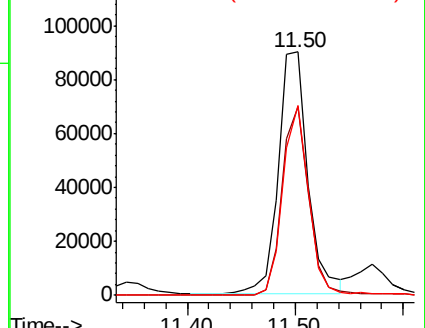
176 77.8 0.0 125.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.90 min Scan# 941

Delta R.T. 0.01 min

Lab File: VF060429.D

Acq: 3 Oct 2018 21:57

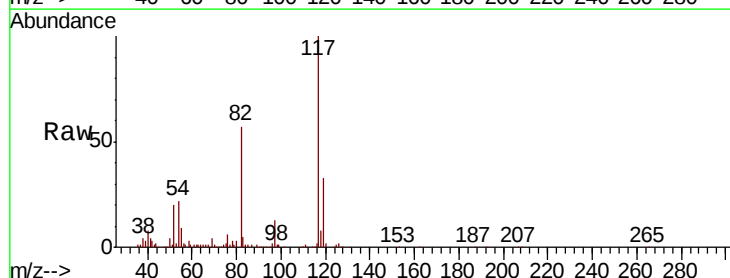
Tgt Ion: 117 Resp: 285017

Ion Ratio Lower Upper

117 100

82 57.3 49.5 74.3

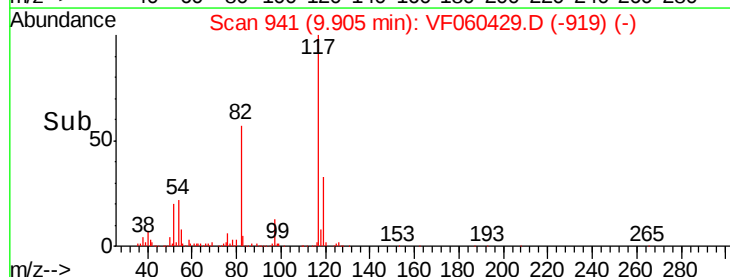
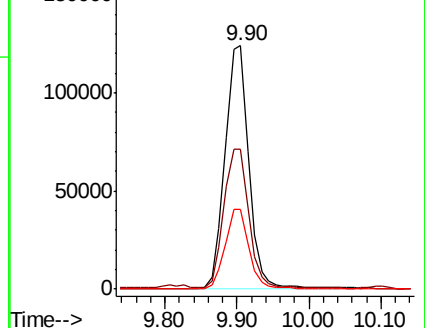
119 33.0 27.0 40.6

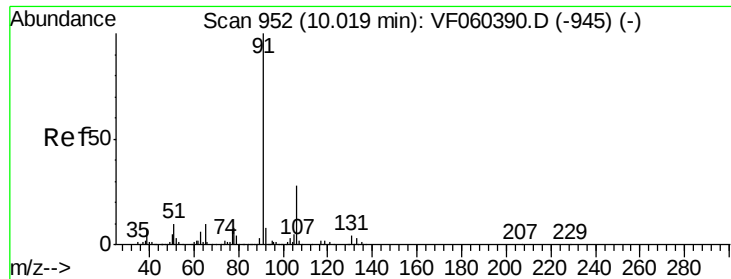


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 6.729 ug/l

RT: 10.02 min Scan# 953

Delta R.T. 0.00 min

Lab File: VF060429.D

Acq: 3 Oct 2018 21:57

Instrument :

MSVOA_F

ClientSampleId :

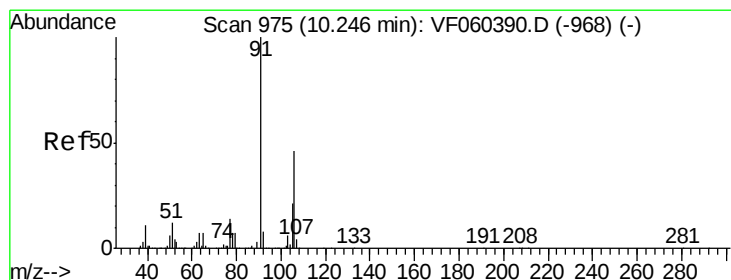
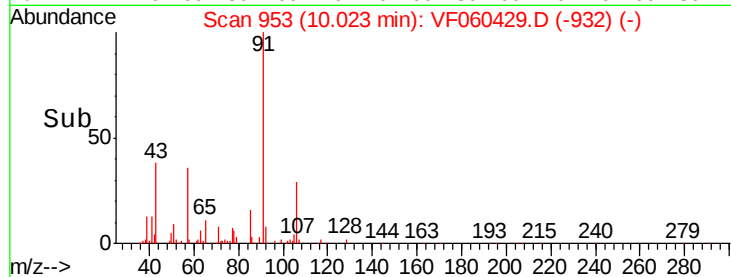
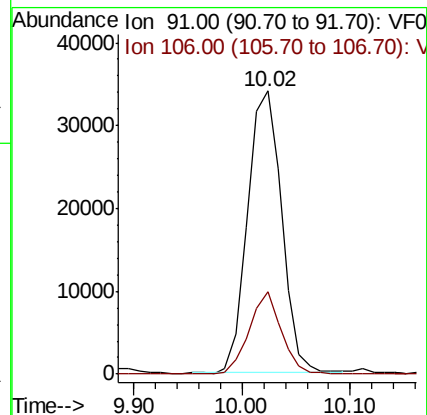
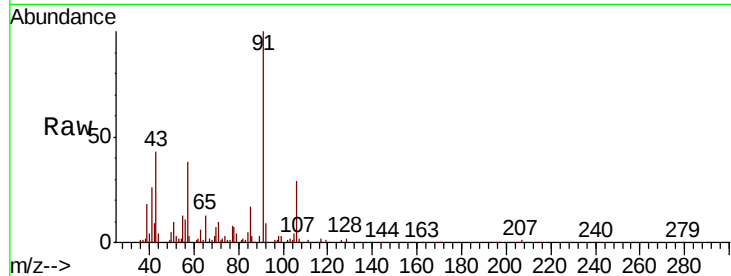
HR-06-100218-C

Tot Ion: 91 Resp: 74904

Ion Ratio Lower Upper

91 100

106 29.0 22.5 33.7



#68

m/p-Xylenes

Concen: 16.201 ug/l

RT: 10.25 min Scan# 976

Delta R.T. 0.00 min

Lab File: VF060429.D

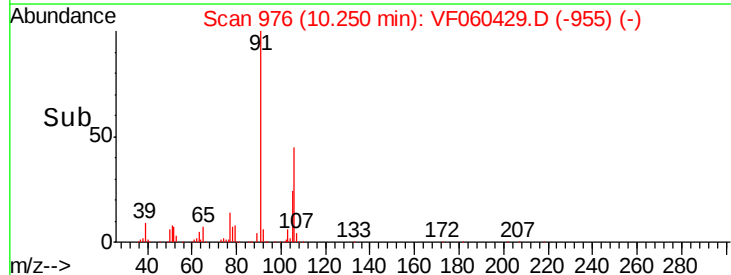
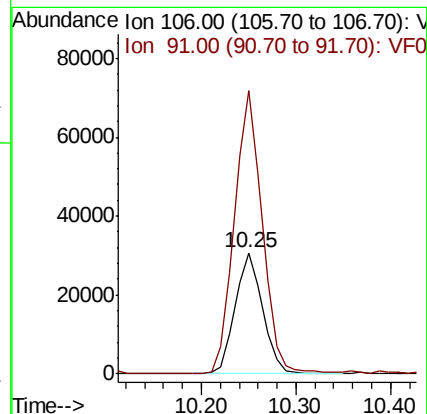
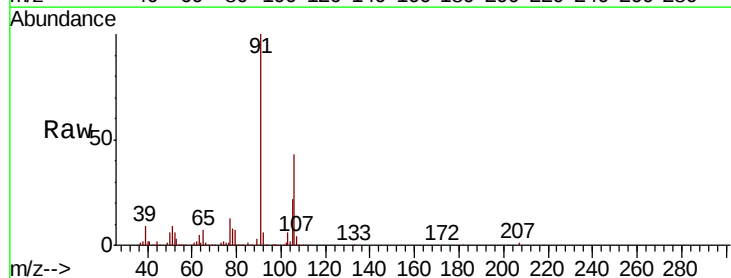
Acq: 3 Oct 2018 21:57

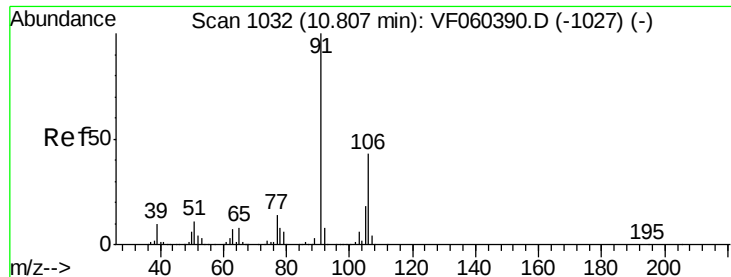
Tgt Ion: 106 Resp: 62001

Ion Ratio Lower Upper

106 100

91 233.7 175.0 262.6

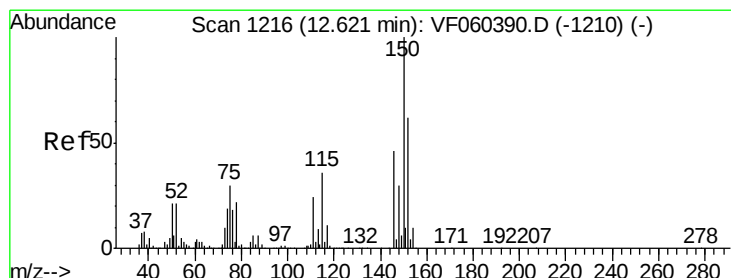
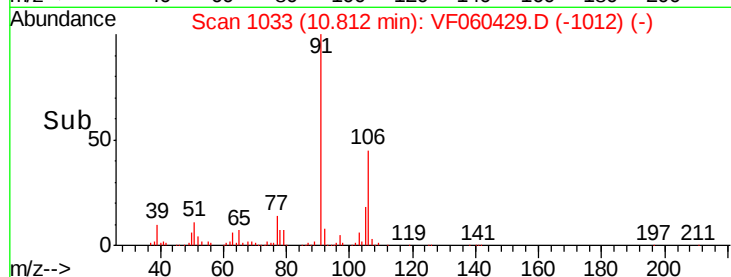
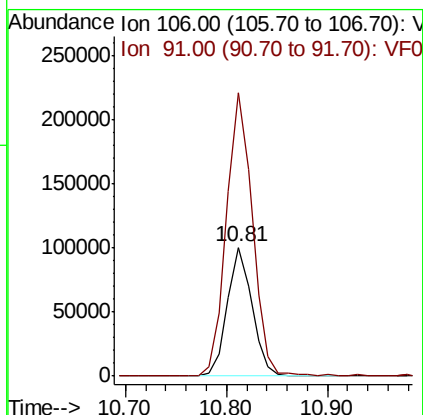
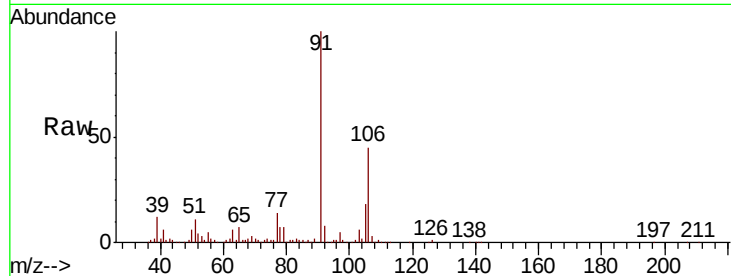




#69
o-Xylene
Concen: 41.304 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VF060429.D
Acq: 3 Oct 2018 21:57

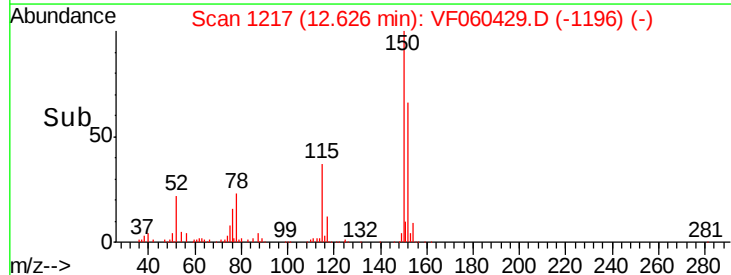
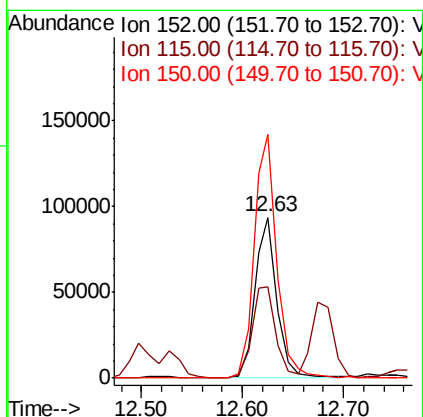
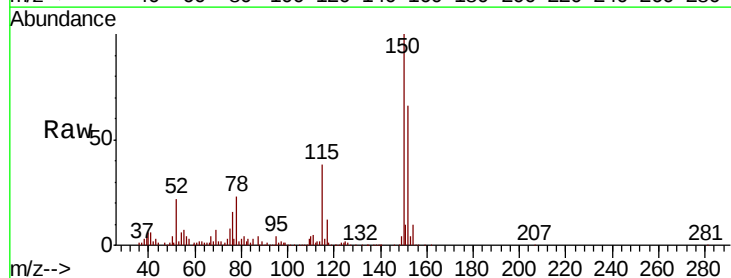
Instrument :
MSVOA_F
ClientSampleId :
HR-06-100218-C

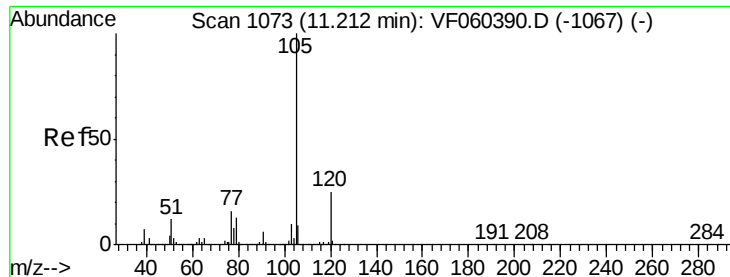
Tot Ion:106 Resp: 172293
Ion Ratio Lower Upper
106 100
91 219.9 115.1 345.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1217
Delta R.T. 0.00 min
Lab File: VF060429.D
Acq: 3 Oct 2018 21:57

Tgt Ion:152 Resp: 142768
Ion Ratio Lower Upper
152 100
115 57.0 28.6 85.8
150 151.6 0.0 324.6





#73

Isopropylbenzene

Concen: 7.346 ug/l

RT: 11.22 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VF060429.D

Acq: 3 Oct 2018 21:57

Instrument :

MSVOA_F

ClientSampleId :

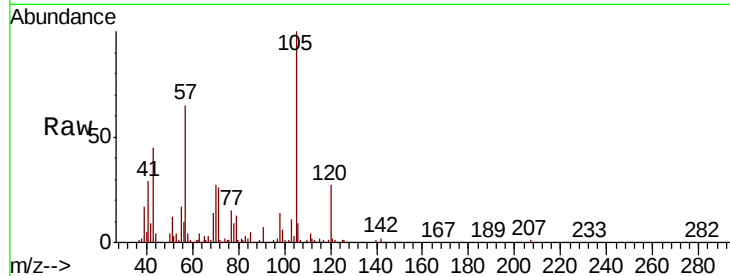
HR-06-100218-C

Tot Ion:105 Resp: 82583

Ion Ratio Lower Upper

105 100

120 26.8 12.3 36.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

50000

40000

30000

20000

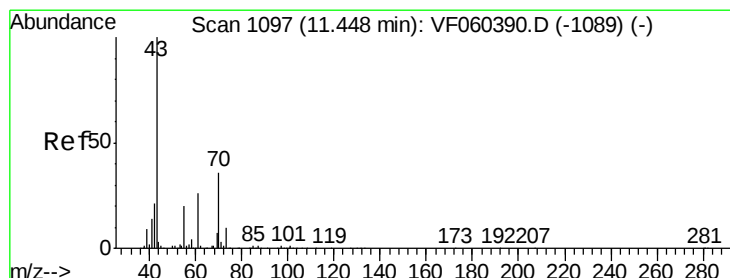
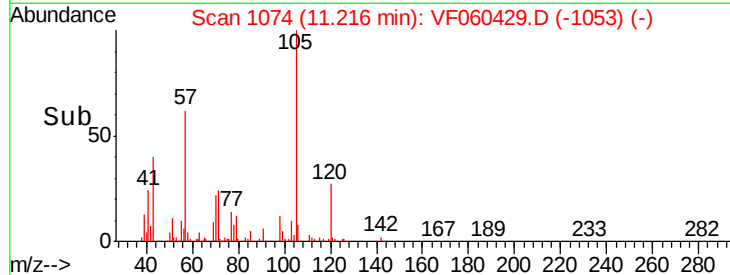
10000

0

11.00

11.20

Time-->



#74

N-ethyl acetate

Concen: 3.075 ug/l

RT: 11.48 min Scan# 1101

Delta R.T. 0.03 min

Lab File: VF060429.D

Acq: 3 Oct 2018 21:57

Tgt Ion: 43 Resp: 7932

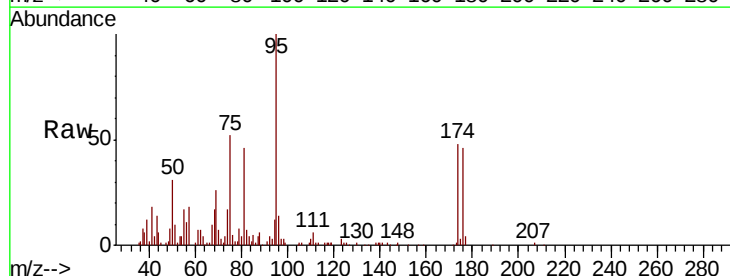
Ion Ratio Lower Upper

43 100

70 51.5 29.1 43.7#

55 118.5 16.3 24.5#

61 50.9 21.0 31.4#



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

60000

50000

40000

30000

20000

10000

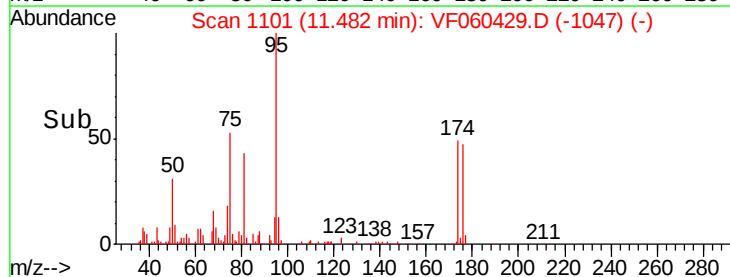
0

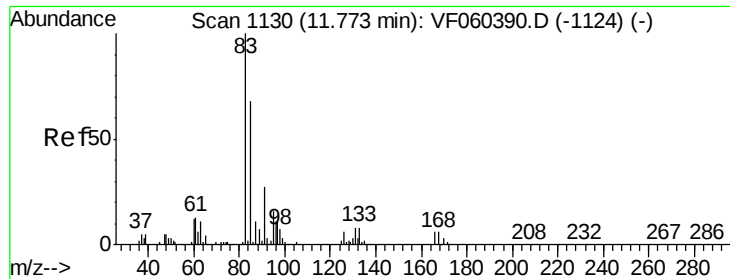
11.40

11.45

11.50

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 10.260 ug/l

RT: 11.75 min Scan# 1128

Delta R.T. -0.03 min

Lab File: VF060429.D

Acq: 3 Oct 2018 21:57

Instrument :

MSVOA_F

ClientSampleId :

HR-06-100218-C

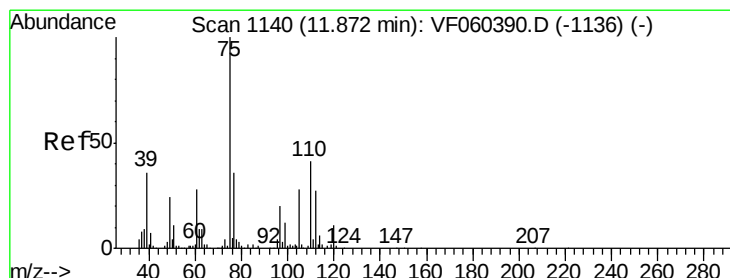
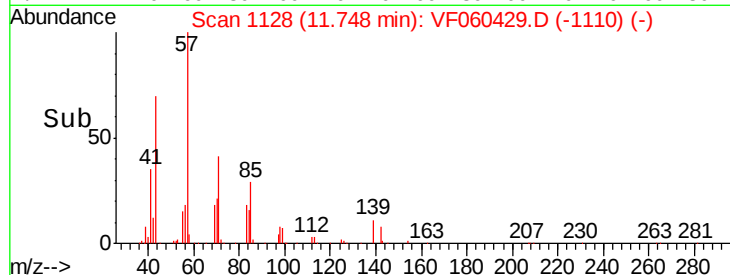
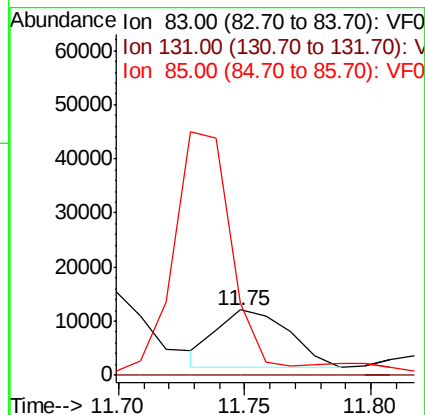
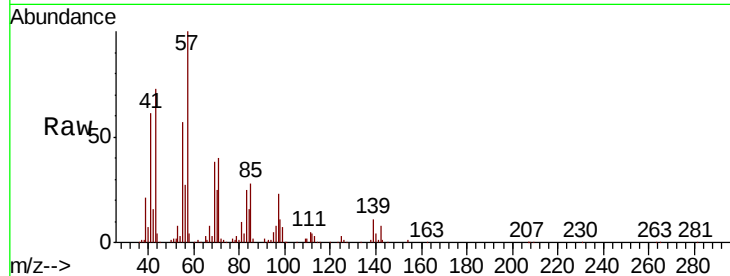
Tot Ion: 83 Resp: 21028

Ion Ratio Lower Upper

83 100

131 0.0 4.0 12.0#

85 110.1 34.0 102.0#



#76

1,2,3-Trichloropropane

Concen: 5.940 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. 0.02 min

Lab File: VF060429.D

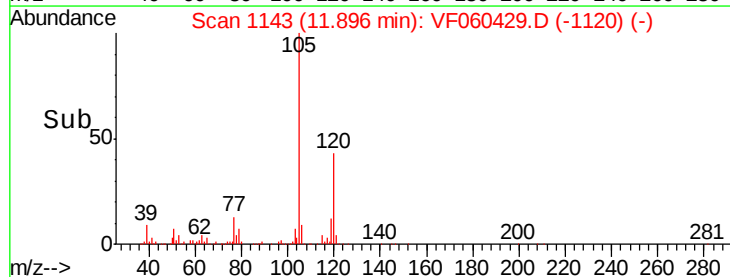
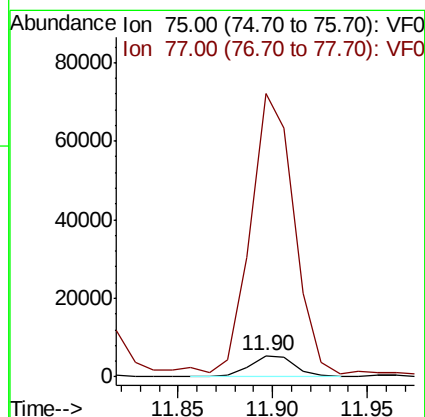
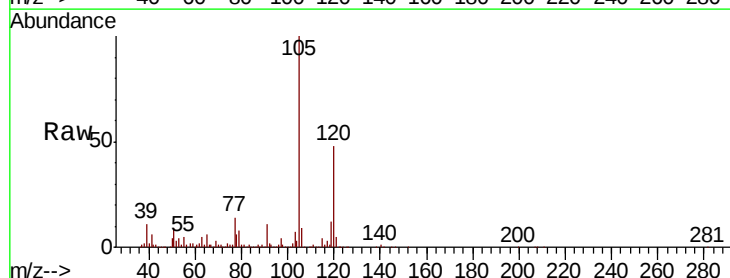
Acq: 3 Oct 2018 21:57

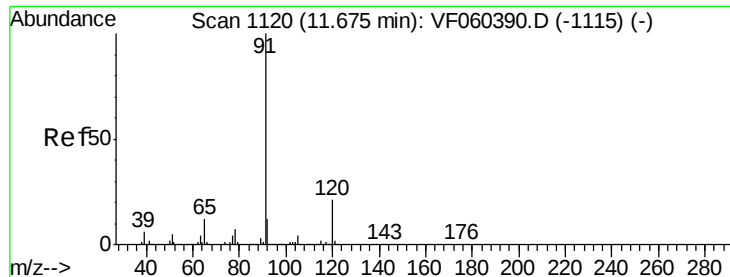
Tgt Ion: 75 Resp: 8962

Ion Ratio Lower Upper

75 100

77 1330.1 18.1 54.4#





#78

n-propylbenzene

Concen: 16.454 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF060429.D

Acq: 3 Oct 2018 21:57

Instrument :

MSVOA_F

ClientSampleId :

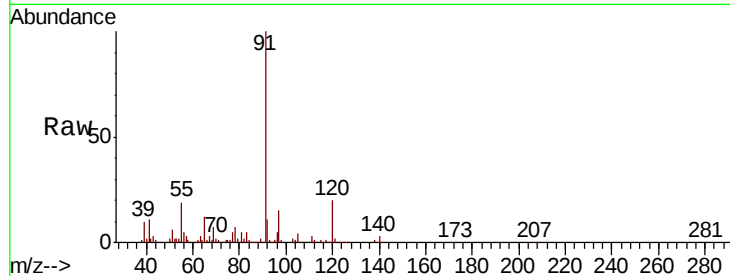
HR-06-100218-C

Tot Ion: 91 Resp: 224225

Ion Ratio Lower Upper

91 100

120 20.1 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

150000

110000

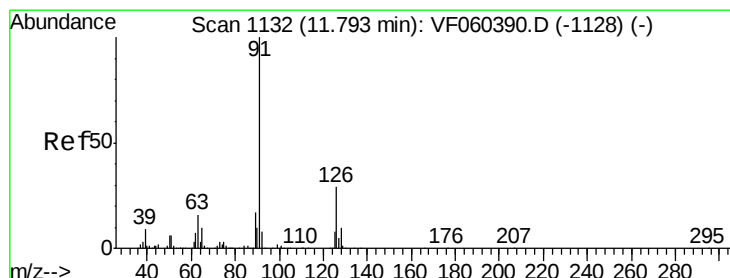
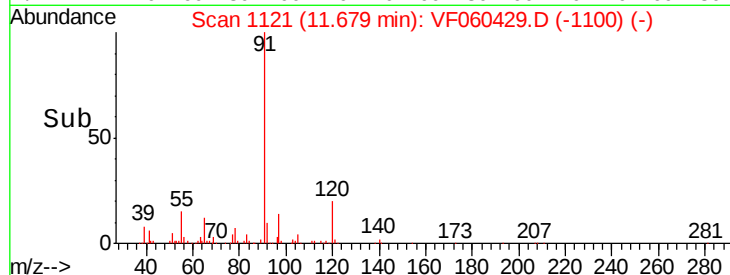
50000

0

11.60

11.70

Time-->



#79

2-Chlorotoluene

Concen: 11.776 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VF060429.D

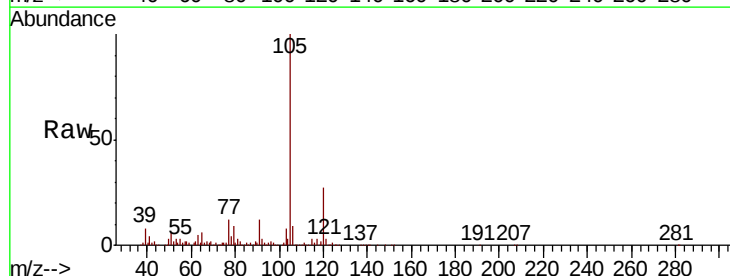
Acq: 3 Oct 2018 21:57

Tgt Ion: 91 Resp: 93871

Ion Ratio Lower Upper

91 100

126 0.7 14.4 43.4#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

60000

50000

40000

30000

20000

10000

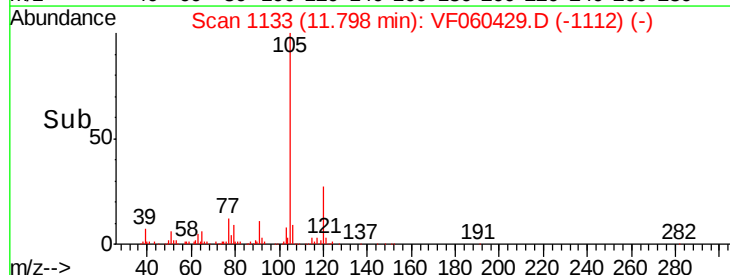
0

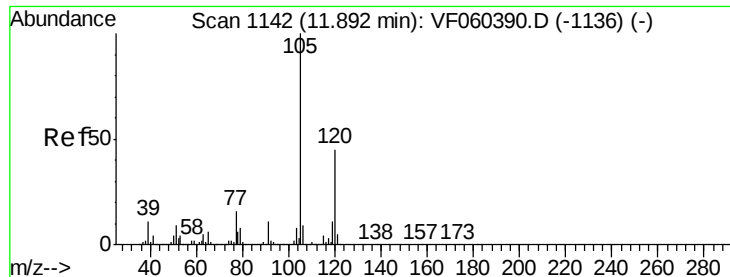
11.70

11.80

11.90

Time-->





#80

1,3,5-Trimethylbenzene

Concen: 87.224 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF060429.D

Acq: 3 Oct 2018 21:57

Instrument :

MSVOA_F

ClientSampleId :

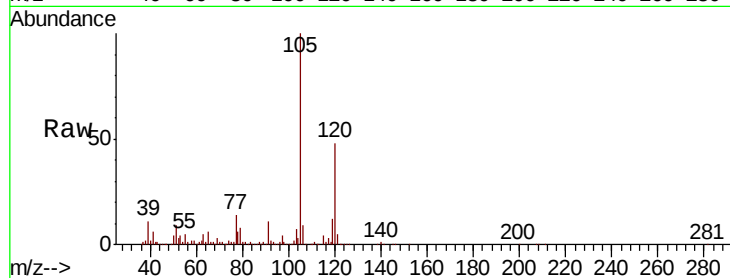
HR-06-100218-C

Tot Ion:105 Resp: 833045

Ion Ratio Lower Upper

105 100

120 47.6 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

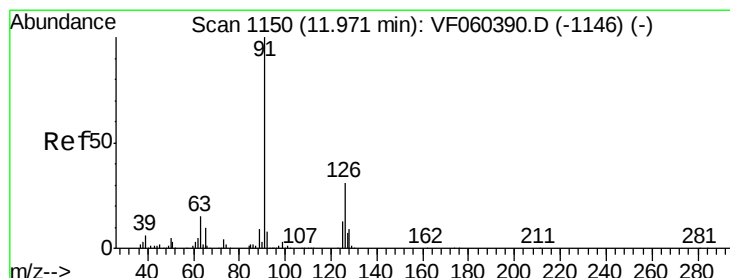
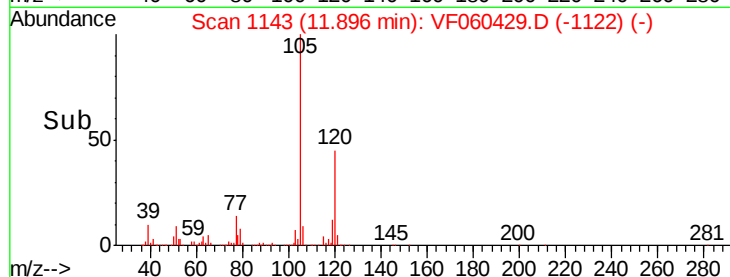
400000

200000

0

11.80 11.90 12.00 12.10

Time-->



#82

4-Chlorotoluene

Concen: 10.951 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. -0.07 min

Lab File: VF060429.D

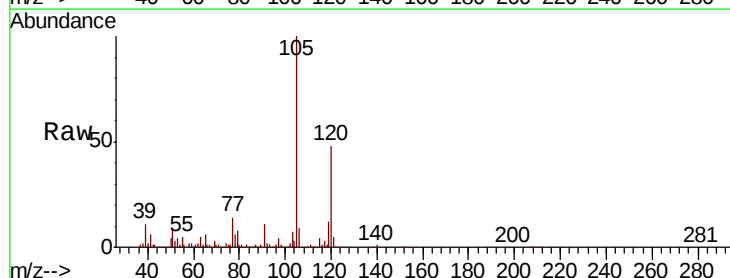
Acq: 3 Oct 2018 21:57

Tgt Ion: 91 Resp: 89317

Ion Ratio Lower Upper

91 100

126 0.3 15.7 47.0#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

60000

50000

40000

30000

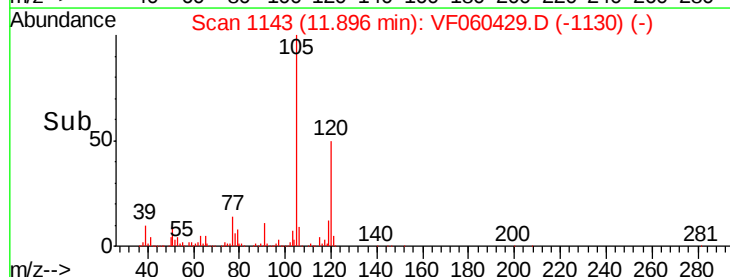
20000

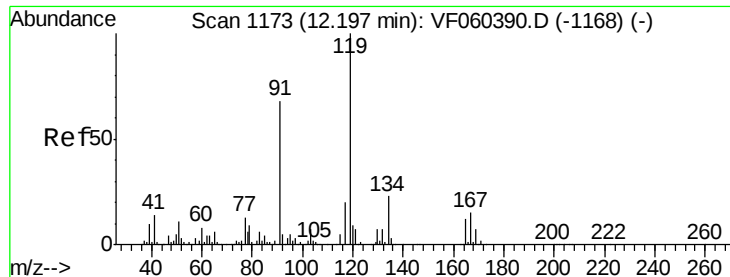
10000

0

11.85 11.90 11.95 12.00

Time-->

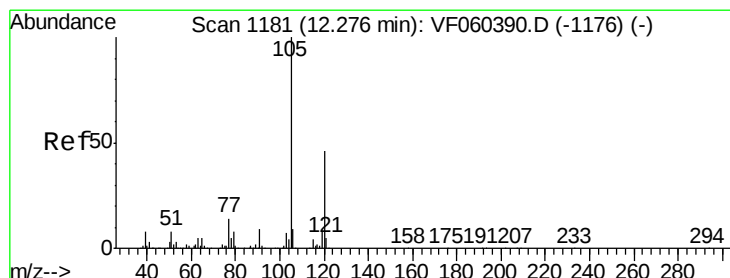
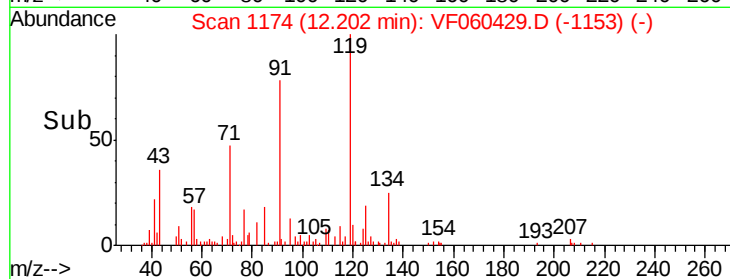
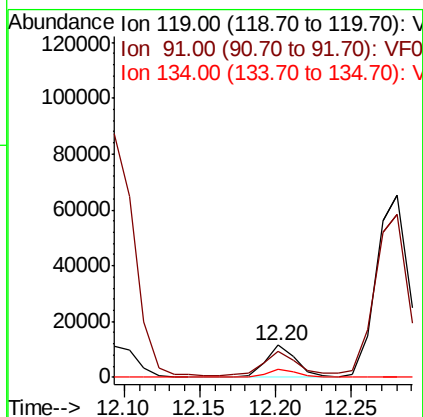
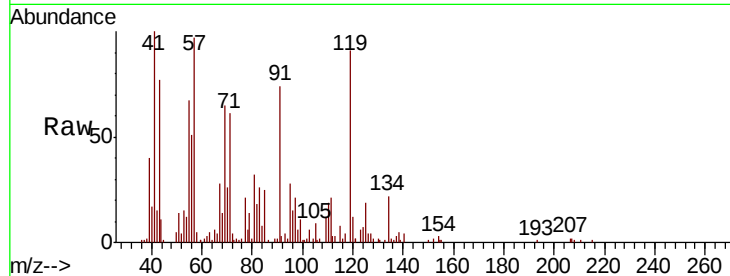




#83
tert-Butylbenzene
Concen: 1.751 ug/l
RT: 12.20 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VF060429.D
Acq: 3 Oct 2018 21:57

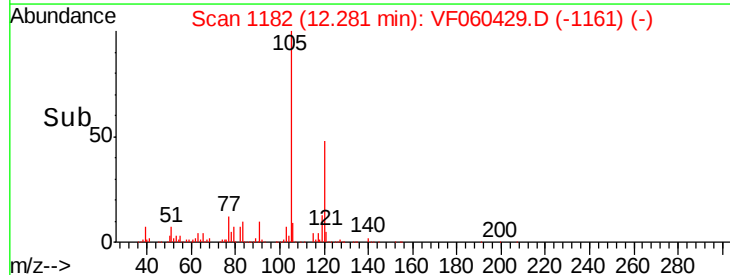
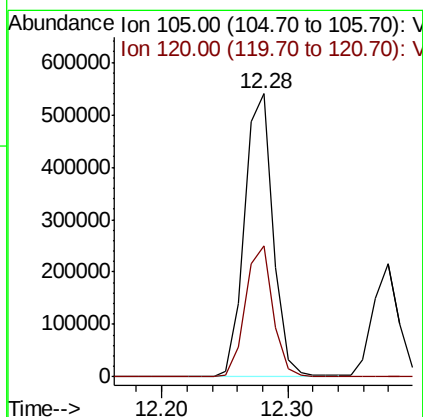
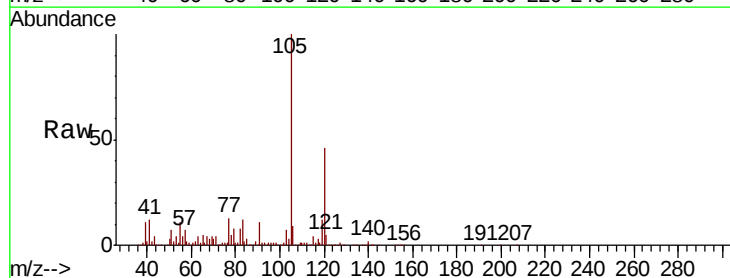
Instrument :
MSVOA_F
ClientSampleId :
HR-06-100218-C

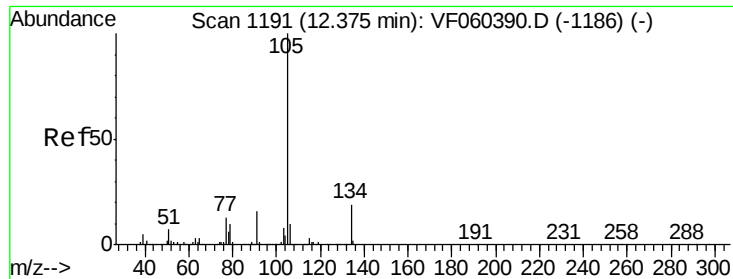
Tot Ion:119 Resp: 16496
Ion Ratio Lower Upper
119 100
91 81.0 34.0 102.0
134 23.8 11.7 35.0



#84
1,2,4-Trimethylbenzene
Concen: 89.079 ug/l
RT: 12.28 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VF060429.D
Acq: 3 Oct 2018 21:57

Tgt Ion:105 Resp: 843723
Ion Ratio Lower Upper
105 100
120 46.4 23.1 69.2

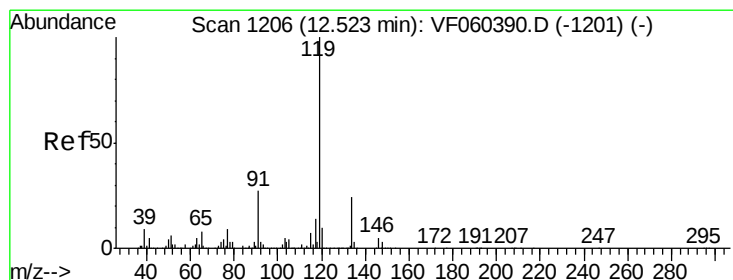
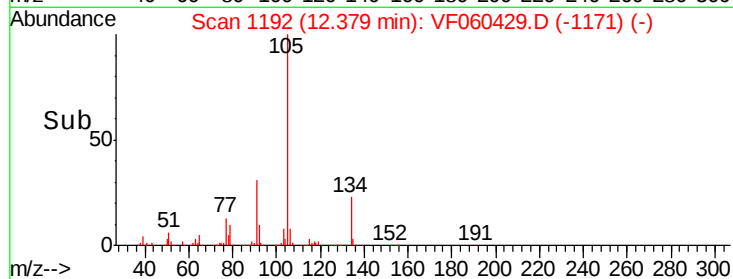
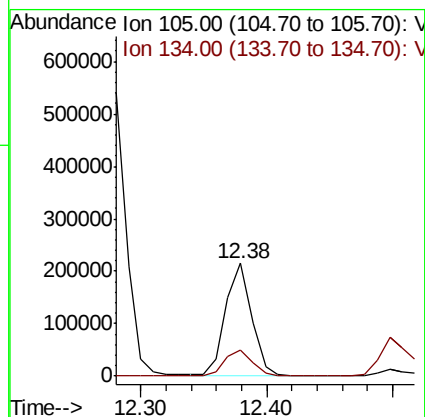
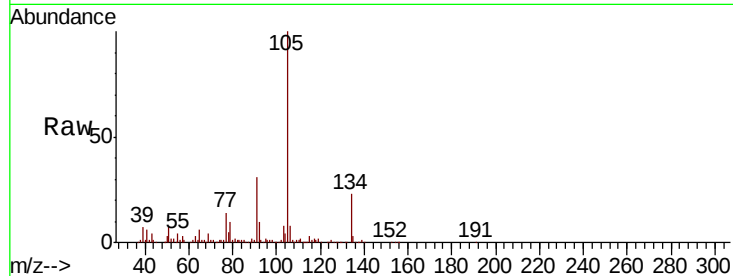




#85
 sec-Butylbenzene
 Concen: 23.859 ug/l
 RT: 12.38 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VF060429.D
 Acq: 3 Oct 2018 21:57

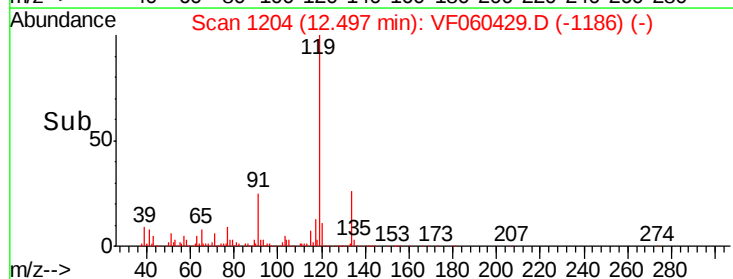
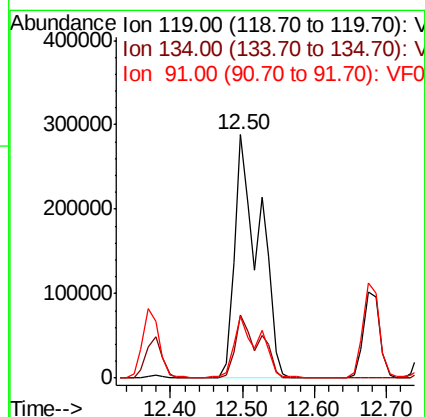
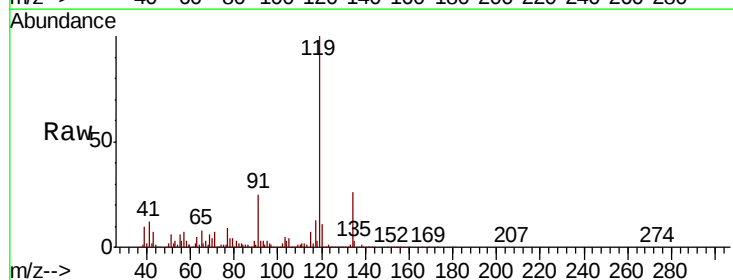
Instrument :
 MSVOA_F
 ClientSampleId :
 HR-06-100218-C

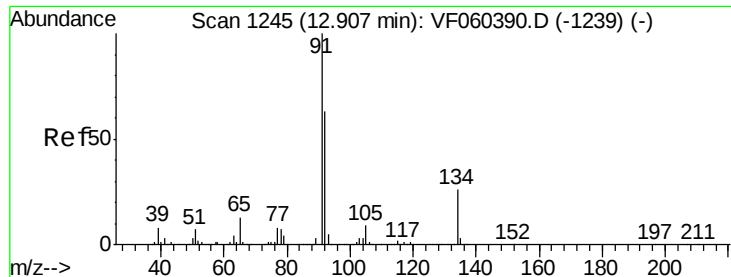
Tot Ion:105 Resp: 310222
 Ion Ratio Lower Upper
 105 100
 134 22.8 9.4 28.3



#86
 p-Isopropyltoluene
 Concen: 65.550 ug/l
 RT: 12.50 min Scan# 1204
 Delta R.T. -0.03 min
 Lab File: VF060429.D
 Acq: 3 Oct 2018 21:57

Tgt Ion:119 Resp: 696321
 Ion Ratio Lower Upper
 119 100
 134 25.9 12.3 36.8
 91 25.3 13.5 40.4





#89

n-Butylbenzene

Concen: 34.097 ug/l

RT: 12.90 min Scan# 1245

Delta R.T. -0.01 min

Lab File: VF060429.D

Acq: 3 Oct 2018 21:57

Instrument :

MSVOA_F

ClientSampleId :

HR-06-100218-C

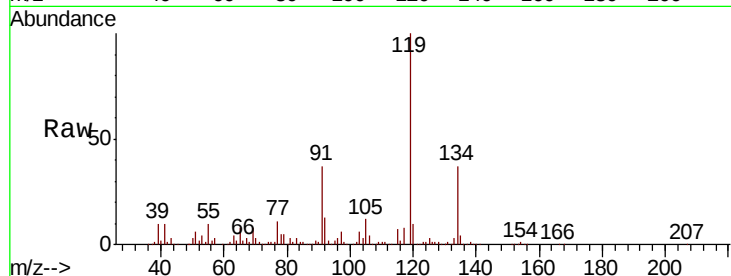
Tot Ion: 91 Resp: 383281

Ion Ratio Lower Upper

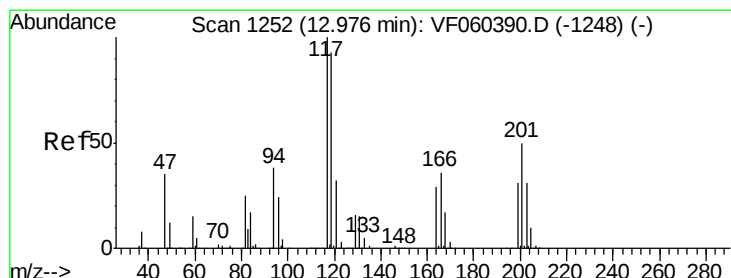
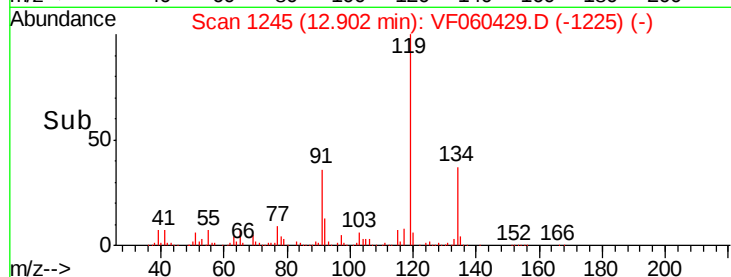
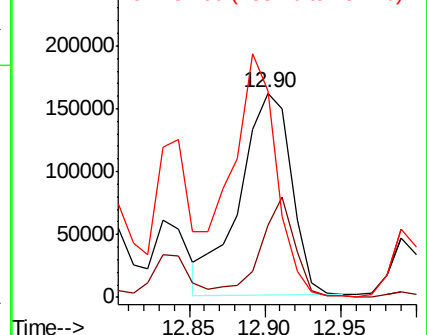
91 100

92 35.6 31.3 93.9

134 101.3 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: 11.575 ug/l

RT: 12.99 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VF060429.D

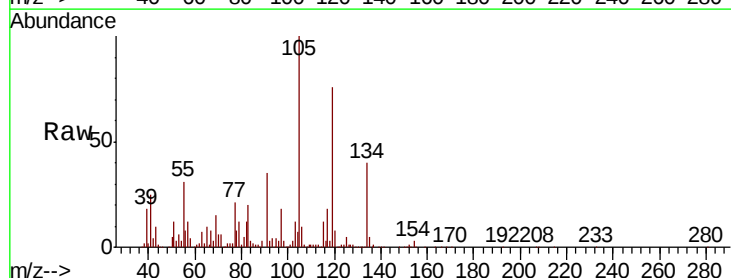
Acq: 3 Oct 2018 21:57

Tgt Ion: 117 Resp: 31780

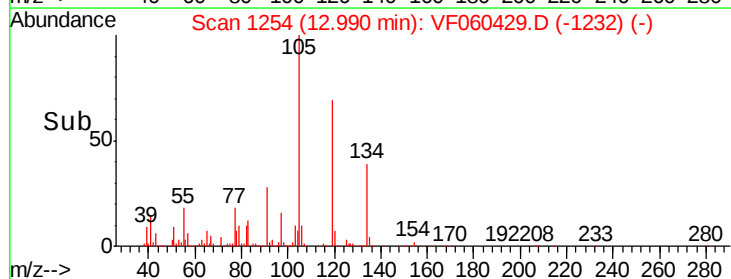
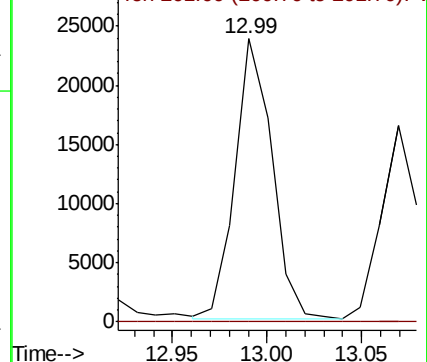
Ion Ratio Lower Upper

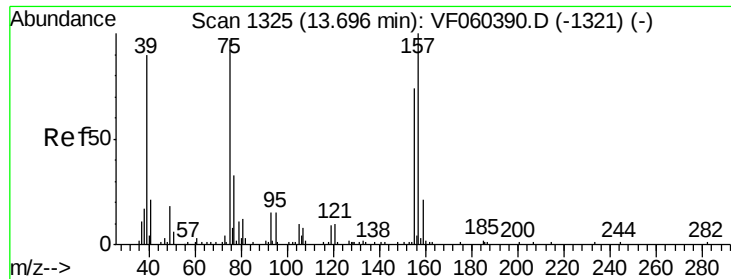
117 100

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

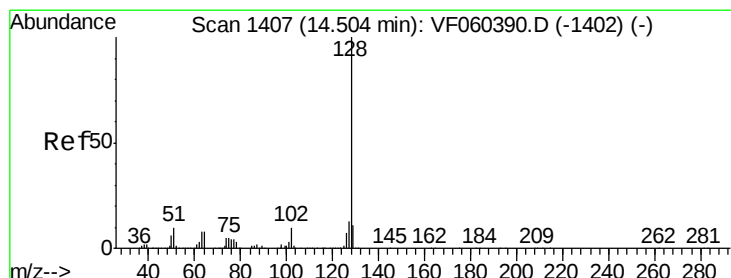
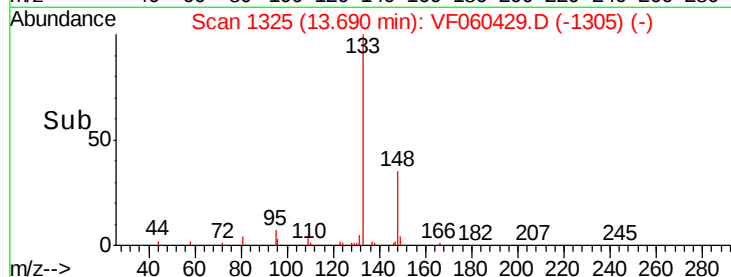
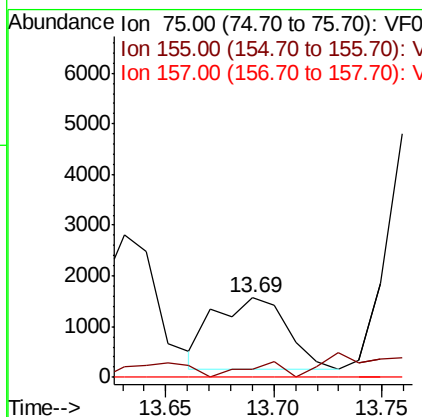
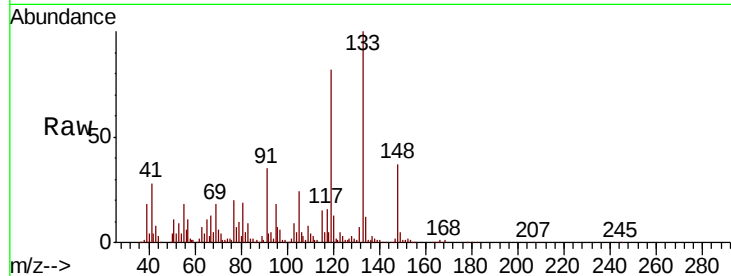




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 8.220 ug/l
 RT: 13.69 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: VF060429.D
 Acq: 3 Oct 2018 21:57

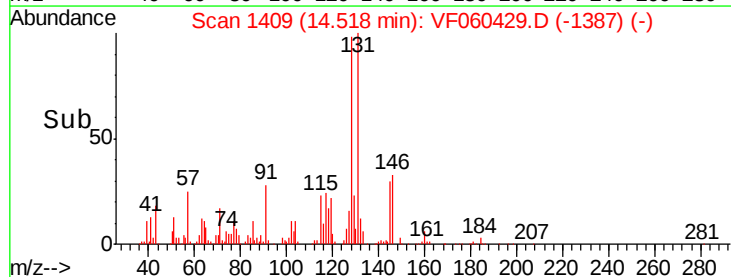
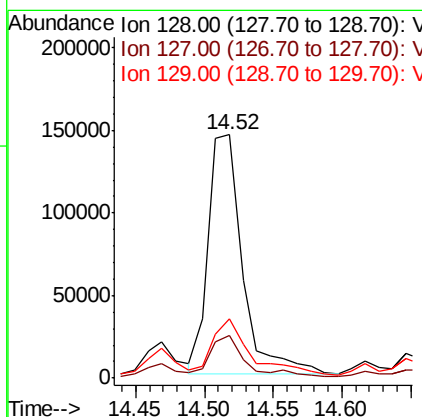
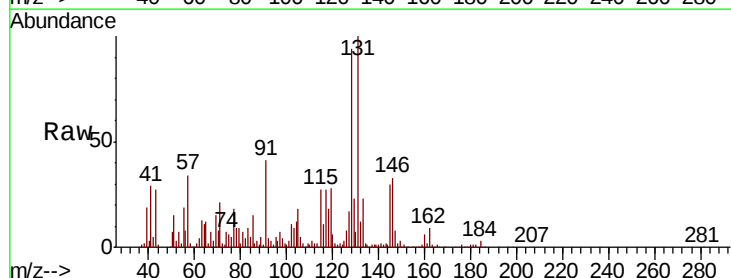
Instrument :
 MSVOA_F
 ClientSampleId :
 HR-06-100218-C

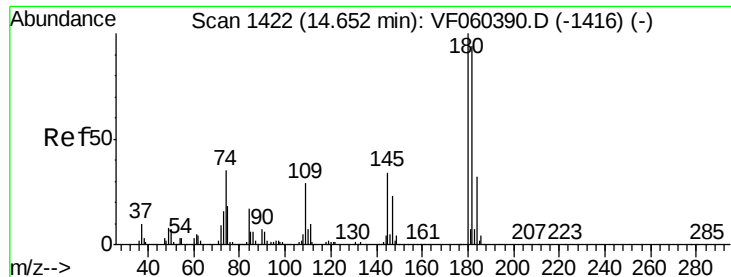
Tot Ion: 75 Resp: 3266
 Ion Ratio Lower Upper
 75 100
 155 18.3 37.9 113.6#
 157 0.0 51.3 154.0#



#95
 Naphthalene
 Concen: 41.466 ug/l
 RT: 14.52 min Scan# 1409
 Delta R.T. 0.01 min
 Lab File: VF060429.D
 Acq: 3 Oct 2018 21:57

Tgt Ion: 128 Resp: 251056
 Ion Ratio Lower Upper
 128 100
 127 17.7 10.0 15.0#
 129 24.6 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.478 ug/l
 RT: 14.70 min Scan# 1427
 Delta R.T. 0.04 min
 Lab File: VF060429.D
 Acq: 3 Oct 2018 21:57

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	49.0	46.8	140.3
145	603.0	16.9	50.6#

