

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100418\
 Data File : VF060447.D
 Acq On : 4 Oct 2018 20:28
 Operator : VA/AP
 Sample : J5218-03
 Misc : 4.53/5mL/MSVOA F/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Oct 05 01:12:43 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	96222	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	113518	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	15726	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	15802	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	124450	82.66	ug/l	0.02
Spiked Amount			Recovery	=	165.32%	
35) Dibromofluoromethane	4.27	113	141545	132.73	ug/l	0.00
Spiked Amount			Recovery	=	265.46%	
50) Toluene-d8	7.70	98	11504	4.38	ug/l	0.02
Spiked Amount			Recovery	=	8.76%	
62) 4-Bromofluorobenzene	11.50	95	43226	36.05	ug/l	0.02
Spiked Amount			Recovery	=	72.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	164	Below Cal	#	43
8) Diethyl Ether	1.70	74	1611	3.728	ug/l	60
11) Tert butyl alcohol	2.66	59	794	8.718	ug/l #	1
13) Acrolein	2.09	56	609	8.315	ug/l	85
15) Acrylonitrile	3.08	53	1008	6.459	ug/l #	59
16) Acetone	2.25	43	1587	Below Cal		95
18) Methyl Acetate	2.45	43	7676	12.222	ug/l #	87
20) Methylene Chloride	2.27	84	3519	Below Cal	#	75
25) 2-Butanone	4.48	43	2459	6.307	ug/l #	69
29) Tetrahydrofuran	4.25	42	928	1.767	ug/l #	61
37) Ethyl Acetate	4.25	43	1724	3.217	ug/l #	1
40) Benzene	4.80	78	3399	1.223	ug/l #	84
43) Isopropyl Acetate	7.09	43	1326	2.047	ug/l #	44
49) 1,4-Dioxane	6.85	88	101	25.195	ug/l #	23
51) 4-Methyl-2-Pentanone	8.40	43	4054	8.793	ug/l	99
52) Toluene	7.76	92	8073	4.278	ug/l	93
56) Ethyl methacrylate	8.75	69	4842	7.123	ug/l #	81
58) 2-Chloroethyl Vinyl ether	7.77	63	1386	19.962	ug/l	100
59) 2-Hexanone	9.62	43	3364	9.947	ug/l	74
66) 1,1,1,2-Tetrachloroethane	10.07	131	186	1.319	ug/l #	47
67) Ethyl Benzene	10.03	91	2691	4.381	ug/l	90
69) o-Xylene	10.81	106	1469	6.383	ug/l	80
70) Styrene	10.89	104	572	1.747	ug/l #	49
74) N-ethyl acetate	11.46	43	1268	4.441	ug/l #	60
75) 1,1,2,2-Tetrachloroethane	11.76	83	438	1.931	ug/l #	27
79) 2-Chlorotoluene	11.78	91	977	1.107	ug/l #	46
80) 1,3,5-Trimethylbenzene	11.91	105	1822	1.724	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	128	1.729	ug/l #	15
82) 4-Chlorotoluene	11.98	91	6020	6.668	ug/l #	43
83) tert-Butylbenzene	12.20	119	4017	3.853	ug/l	90
84) 1,2,4-Trimethylbenzene	12.28	105	2446	2.333	ug/l	67
85) sec-Butylbenzene	12.38	105	1598	1.110	ug/l #	58
86) p-Isopropyltoluene	12.53	119	1954	1.662	ug/l #	76
87) 1,3-Dichlorobenzene	12.64	146	620	1.185	ug/l	92

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

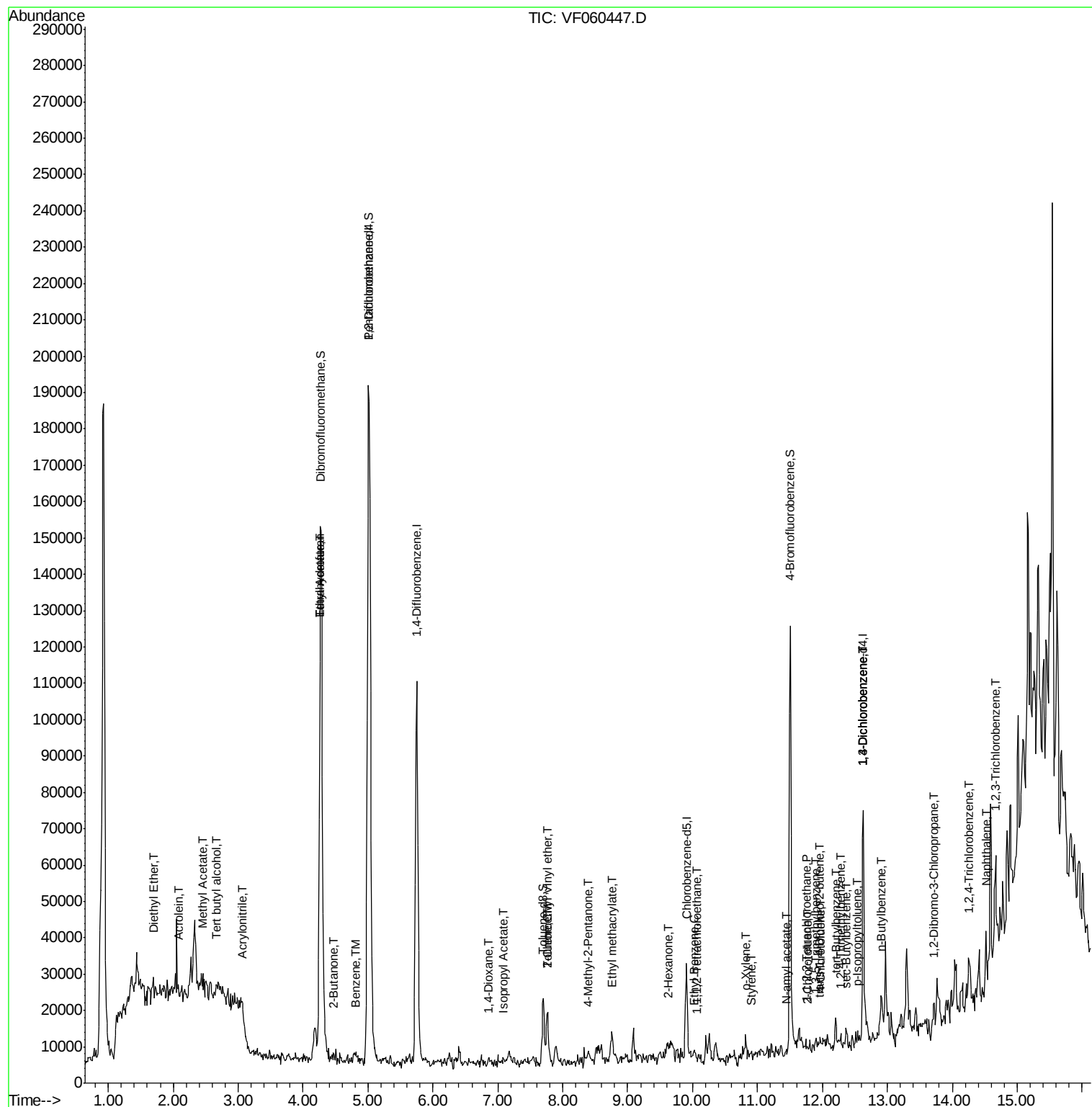
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) 1,4-Dichlorobenzene	12.64	146	620	1.201	ug/l	89
89) n-Butylbenzene	12.91	91	10318	8.293	ug/l	68
92) 1,2-Dibromo-3-Chloropropan	13.71	75	111	2.524	ug/l #	25
93) 1,2,4-Trichlorobenzene	14.26	180	877	2.340	ug/l #	55
95) Naphthalene	14.52	128	3323	4.959	ug/l #	94
96) 1,2,3-Trichlorobenzene	14.66	180	378	1.076	ug/l #	66

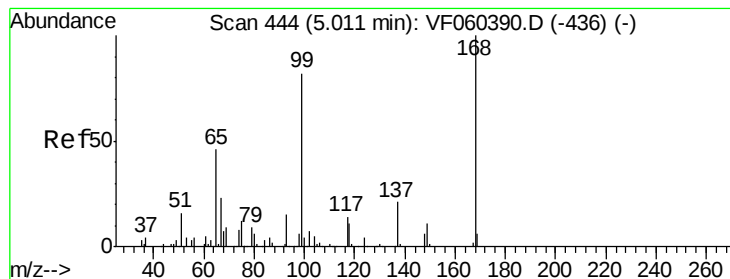
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 445

Delta R.T. 0.01 min

Lab File: VF060447.D

Acq: 4 Oct 2018 20:28

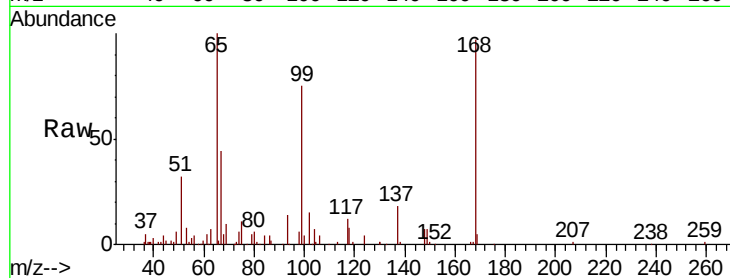
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 96222

Ion Ratio Lower Upper

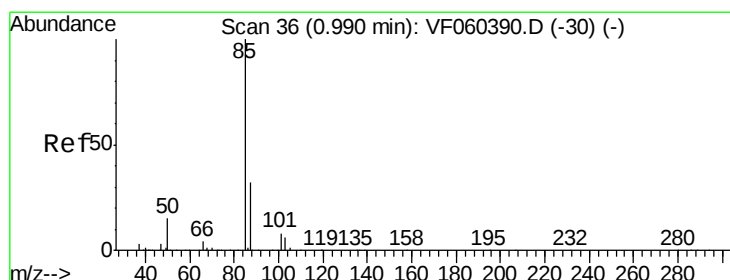
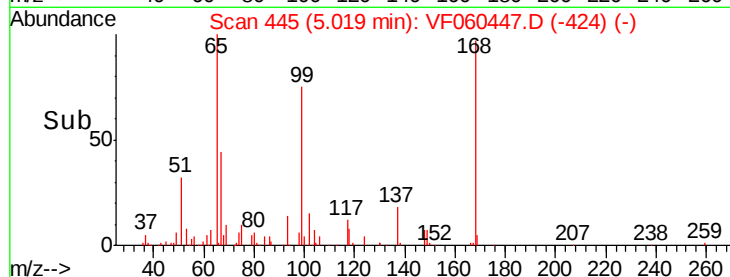
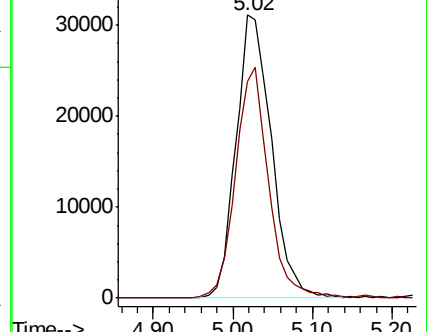
168 100

99 76.6 65.3 97.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.00 min Scan# 37

Delta R.T. 0.01 min

Lab File: VF060447.D

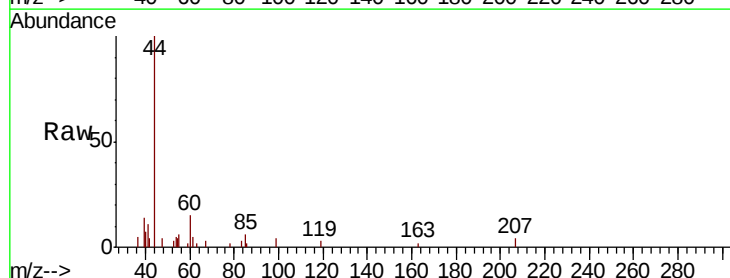
Acq: 4 Oct 2018 20:28

Tgt Ion: 85 Resp: 164

Ion Ratio Lower Upper

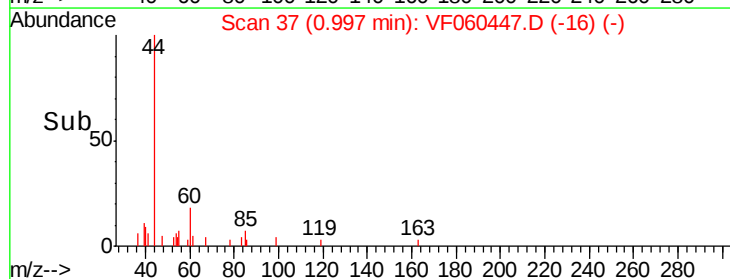
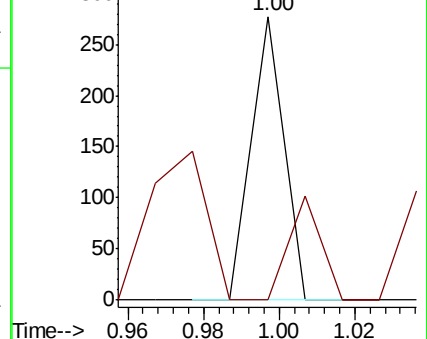
85 100

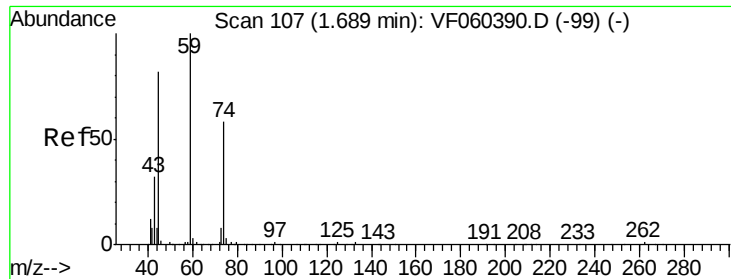
87 0.0 15.9 47.6#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

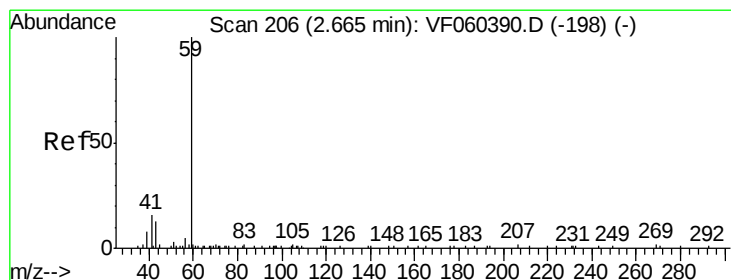
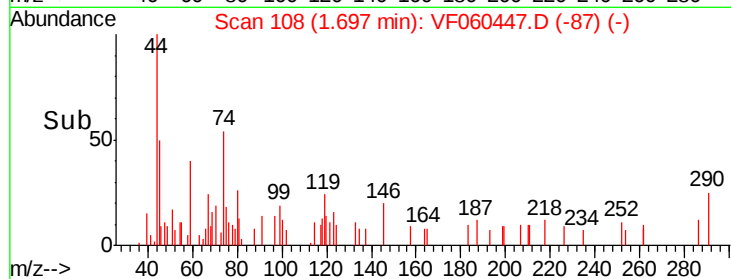
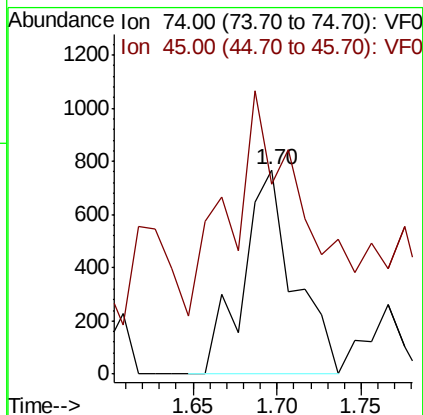
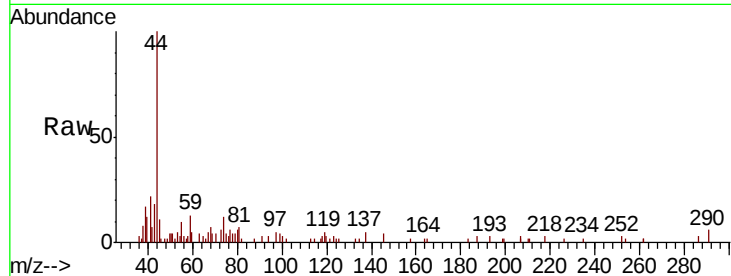




#8
Diethyl Ether
Concen: 3.728 ug/l
RT: 1.70 min Scan# 108
Delta R.T. 0.01 min
Lab File: VF060447.D
Acq: 4 Oct 2018 20:28

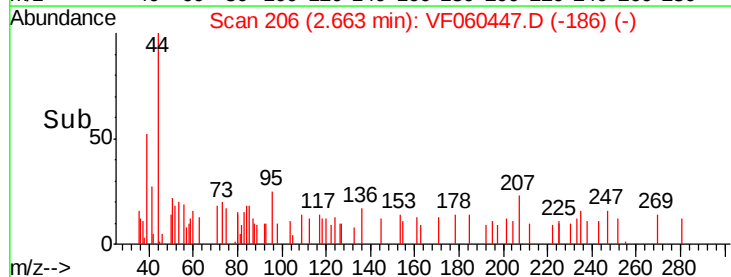
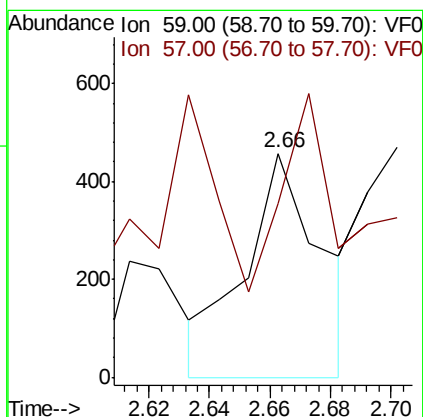
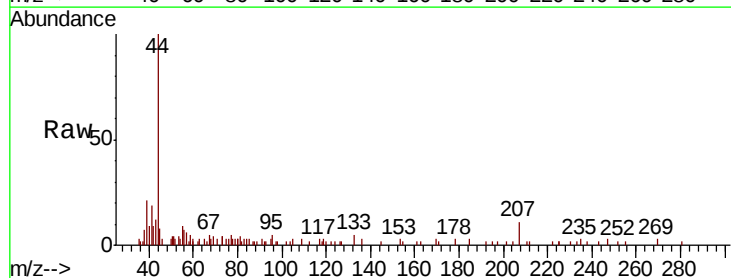
Instrument :
MSVOA_F
ClientSampled :

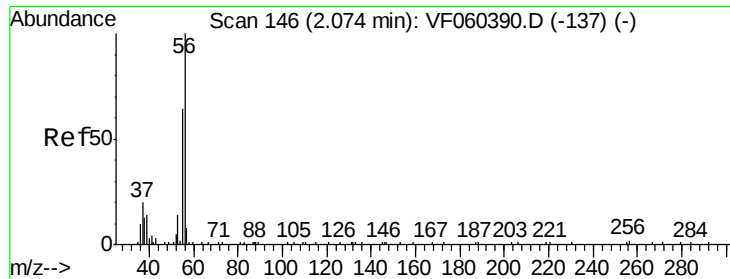
Tot Ion: 74 Resp: 1611
Ion Ratio Lower Upper
74 100
45 93.1 71.3 213.8



#11
Tert butyl alcohol
Concen: 8.718 ug/l
RT: 2.66 min Scan# 206
Delta R.T. -0.00 min
Lab File: VF060447.D
Acq: 4 Oct 2018 20:28

Tgt Ion: 59 Resp: 794
Ion Ratio Lower Upper
59 100
57 77.7 6.5 9.7#

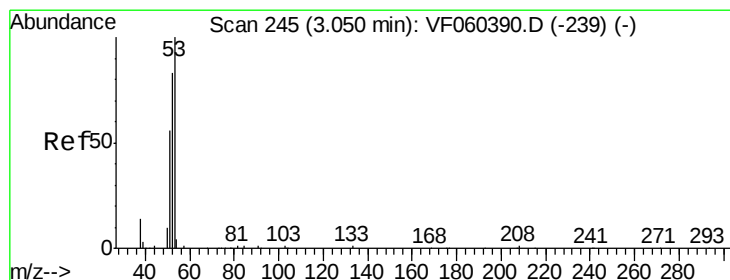
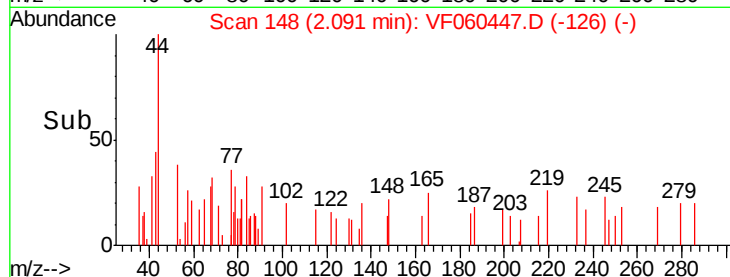
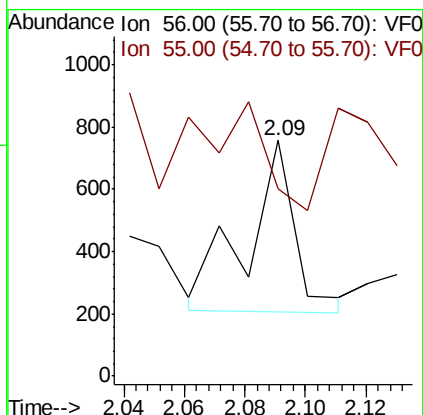
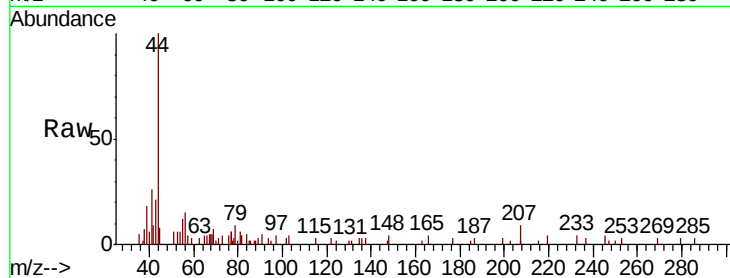




#13
Acrolein
Concen: 8.315 ug/l
RT: 2.09 min Scan# 148
Delta R.T. 0.02 min
Lab File: VF060447.D
Acq: 4 Oct 2018 20:28

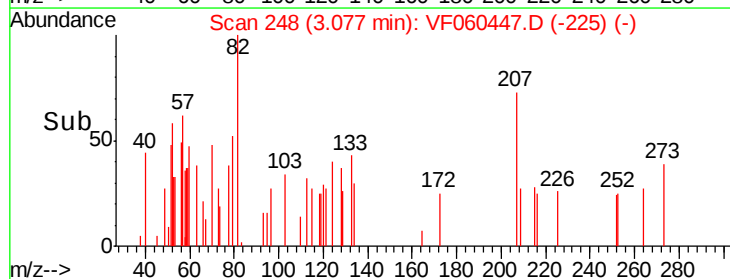
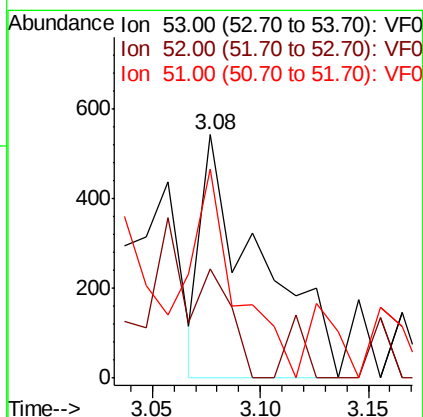
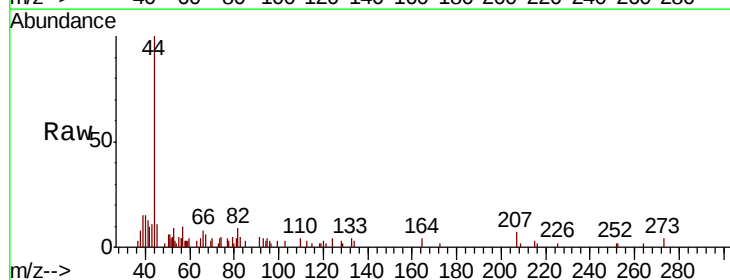
Instrument :
MSVOA_F
ClientSampled :

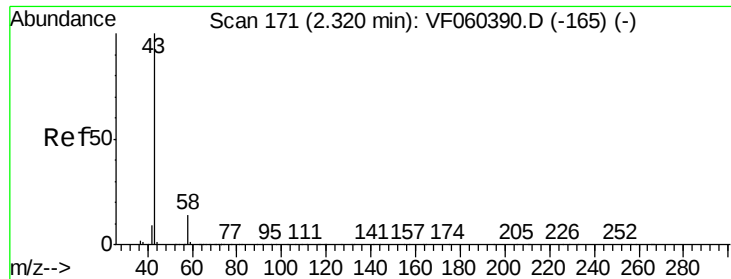
Tot Ion: 56 Resp: 609
Ion Ratio Lower Upper
56 100
55 79.8 53.9 80.9



#15
Acrylonitrile
Concen: 6.459 ug/l
RT: 3.08 min Scan# 248
Delta R.T. 0.03 min
Lab File: VF060447.D
Acq: 4 Oct 2018 20:28

Tgt Ion: 53 Resp: 1008
Ion Ratio Lower Upper
53 100
52 44.9 66.0 99.0#
51 86.0 45.6 68.4#

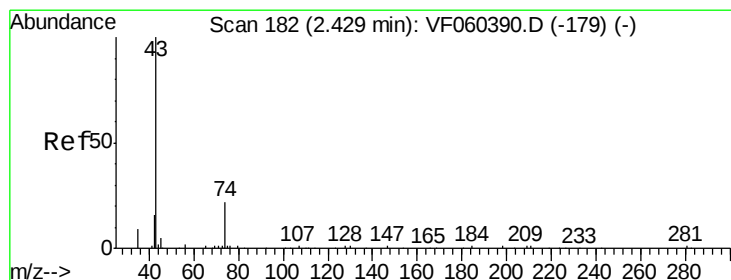
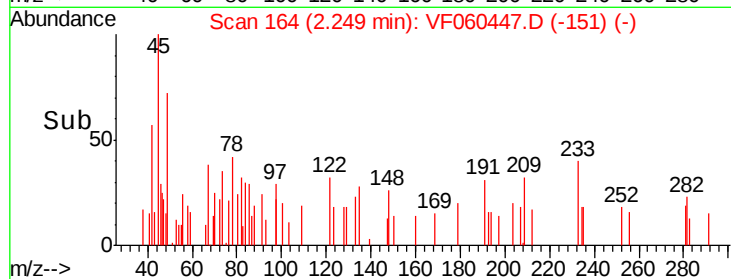
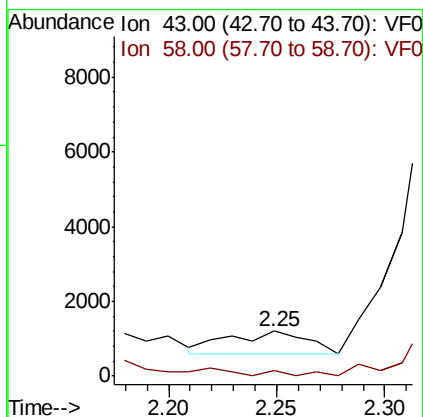
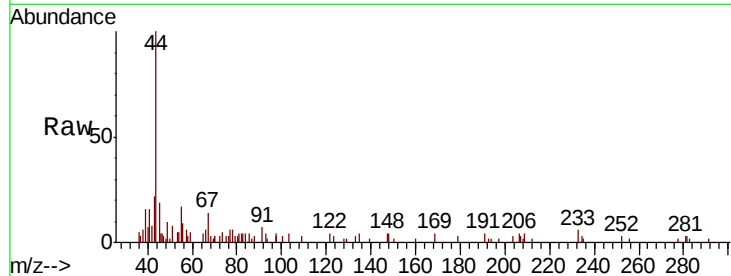




#16
Acetone
Concen: Below Cal
RT: 2.25 min Scan# 164
Delta R.T. -0.07 min
Lab File: VF060447.D
Acq: 4 Oct 2018 20:28

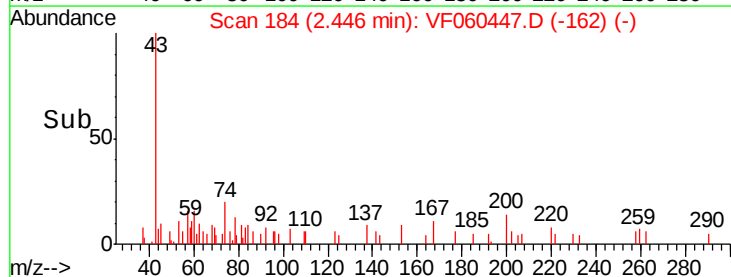
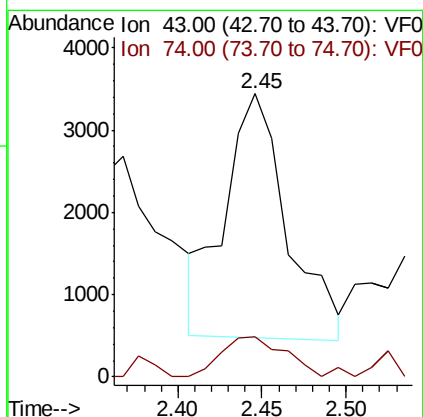
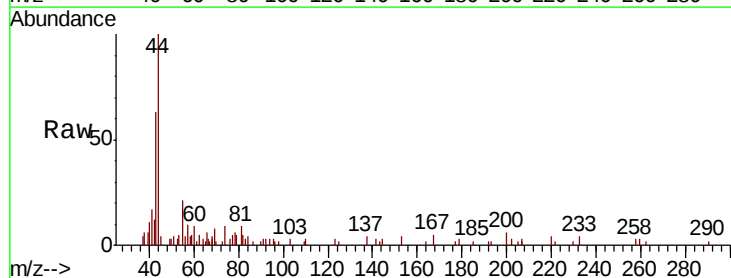
Instrument :
MSVOA_F
ClientSampleId :

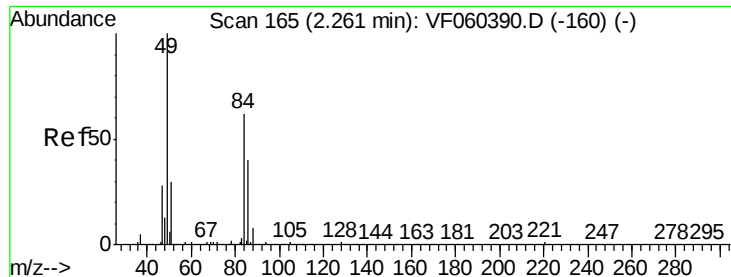
Tot Ion: 43 Resp: 1587
Ion Ratio Lower Upper
43 100
58 11.9 11.2 16.8



#18
Methyl Acetate
Concen: 12.222 ug/l
RT: 2.45 min Scan# 184
Delta R.T. 0.02 min
Lab File: VF060447.D
Acq: 4 Oct 2018 20:28

Tgt Ion: 43 Resp: 7676
Ion Ratio Lower Upper
43 100
74 14.0 15.8 23.8#

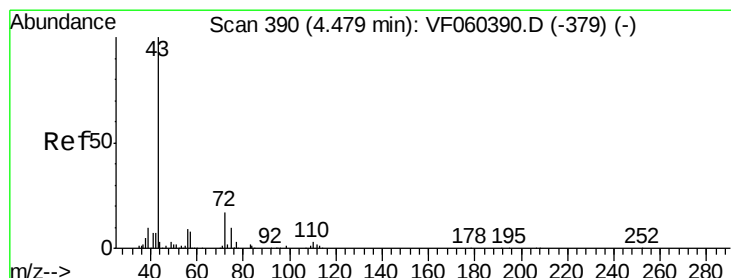
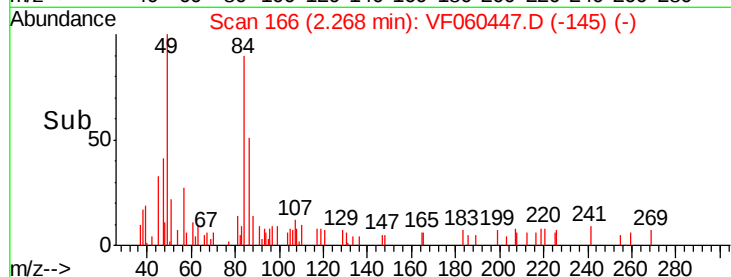
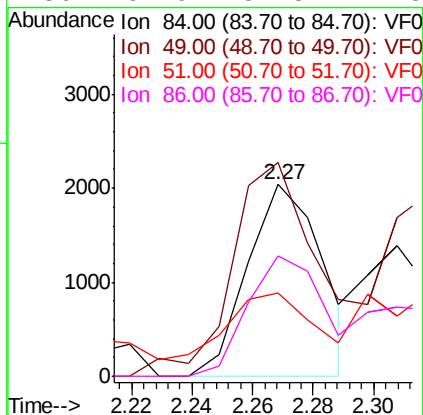
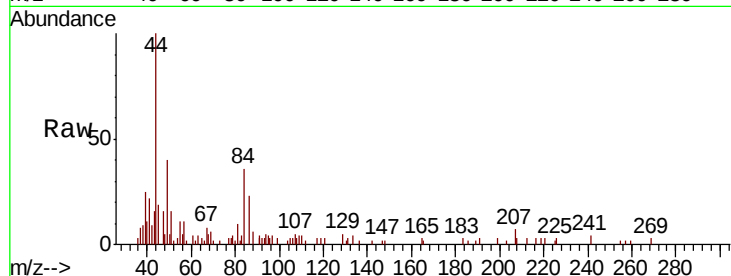




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.27 min Scan# 166
Delta R.T. 0.01 min
Lab File: VF060447.D
Acq: 4 Oct 2018 20:28

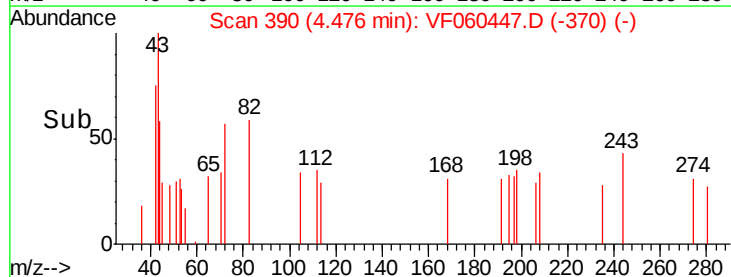
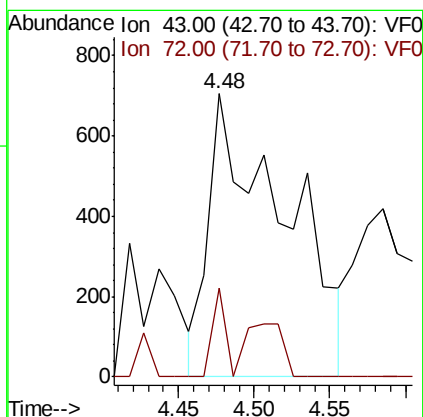
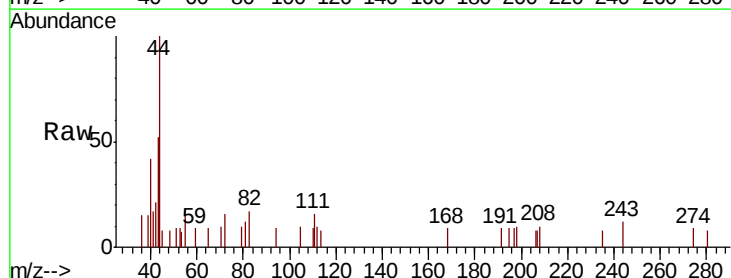
Instrument :
MSVOA_F
ClientSampleId :

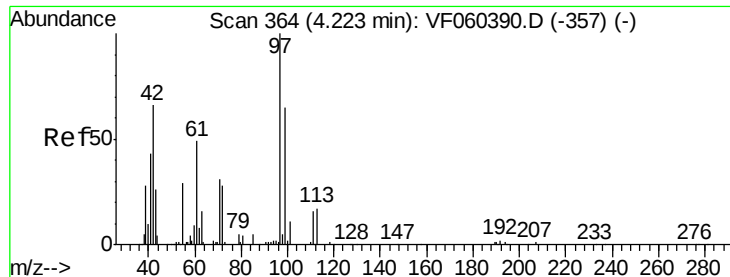
Tot Ion: 84 Resp: 3519
Ion Ratio Lower Upper
84 100
49 111.4 130.2 195.2#
51 43.6 41.0 61.6
86 62.9 51.5 77.3



#25
2-Butanone
Concen: 6.307 ug/l
RT: 4.48 min Scan# 390
Delta R.T. -0.00 min
Lab File: VF060447.D
Acq: 4 Oct 2018 20:28

Tgt Ion: 43 Resp: 2459
Ion Ratio Lower Upper
43 100
72 31.3 14.1 21.1#





#29

Tetrahydrofuran

Concen: 1.767 ug/l

RT: 4.25 min Scan# 367

Delta R.T. 0.03 min

Lab File: VF060447.D

Acq: 4 Oct 2018 20:28

Instrument :
MSVOA_F
ClientSampled :

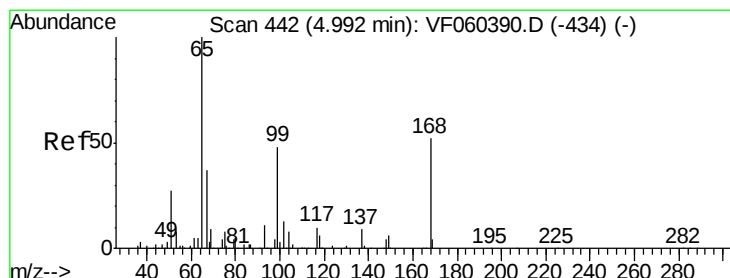
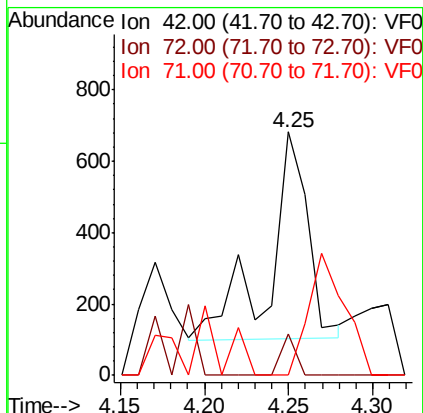
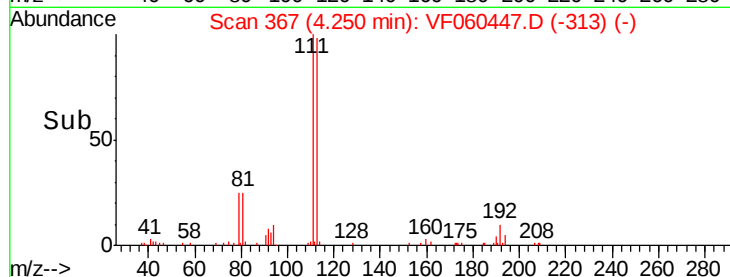
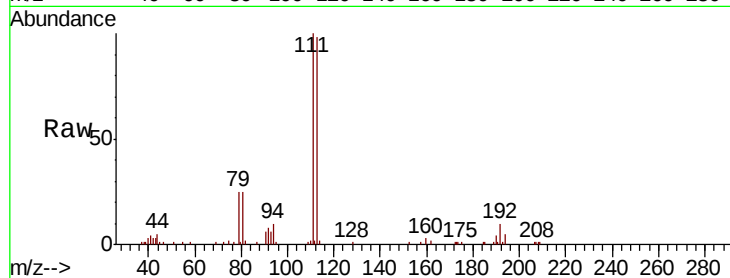
Tot Ion: 42 Resp: 928

Ion Ratio Lower Upper

42 100

72 7.4 33.6 50.4#

71 54.6 32.7 49.1#



#33

1,2-Dichloroethane-d4

Concen: 82.655 ug/l

RT: 5.01 min Scan# 444

Delta R.T. 0.02 min

Lab File: VF060447.D

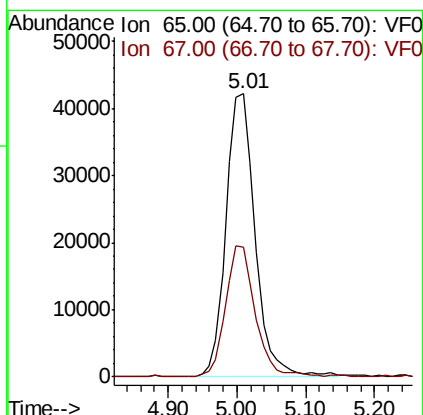
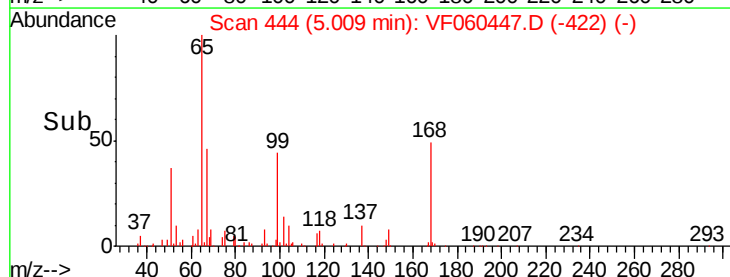
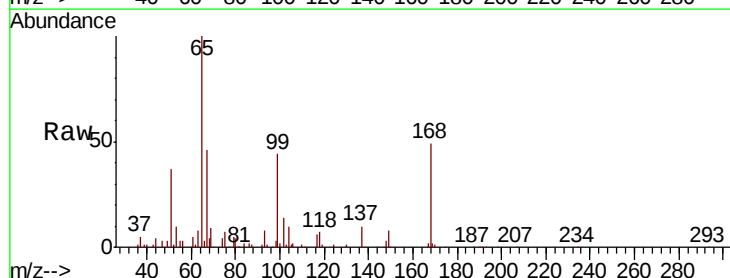
Acq: 4 Oct 2018 20:28

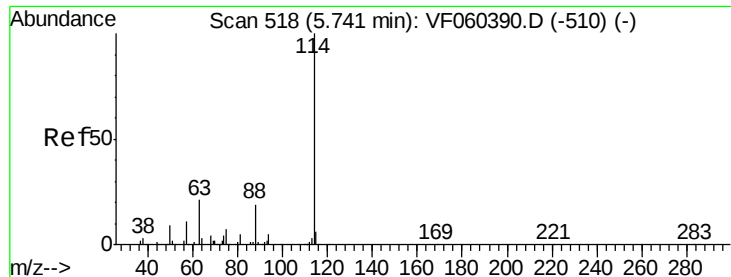
Tgt Ion: 65 Resp: 124450

Ion Ratio Lower Upper

65 100

67 45.6 0.0 89.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 519

Delta R.T. 0.01 min

Lab File: VF060447.D

Acq: 4 Oct 2018 20:28

Instrument :
MSVOA_F
ClientSampled :

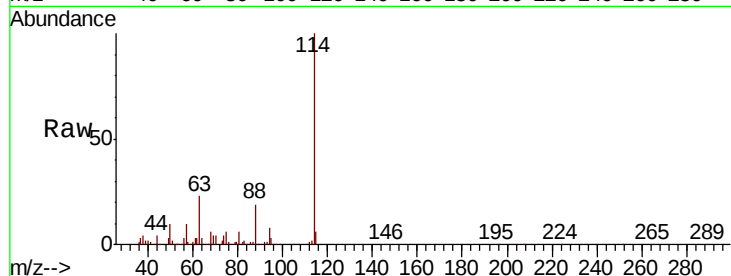
Tot Ion:114 Resp: 113518

Ion Ratio Lower Upper

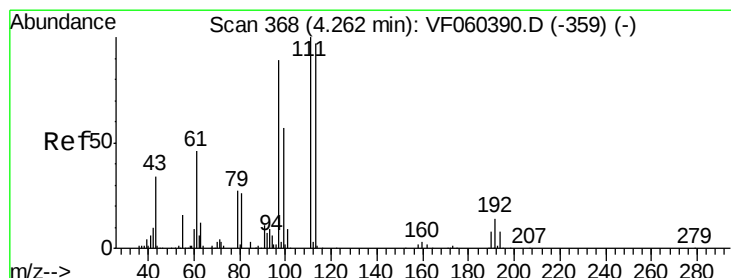
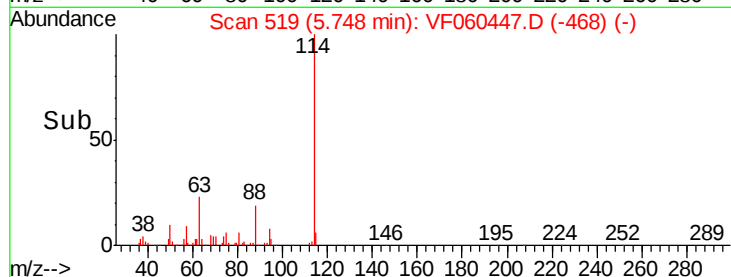
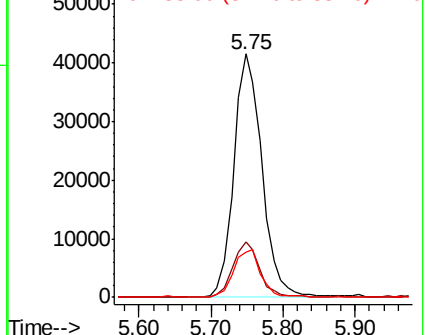
114 100

63 22.6 0.0 42.2

88 18.8 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: 132.728 ug/l

RT: 4.27 min Scan# 369

Delta R.T. 0.01 min

Lab File: VF060447.D

Acq: 4 Oct 2018 20:28

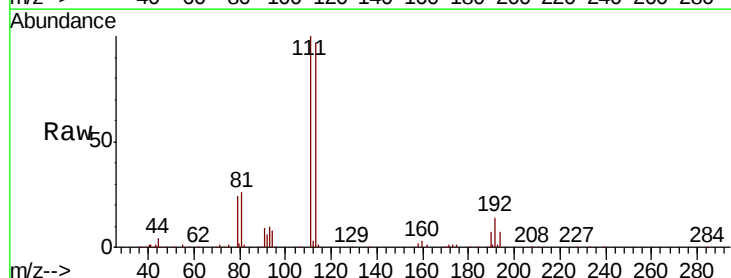
Tgt Ion:113 Resp: 141545

Ion Ratio Lower Upper

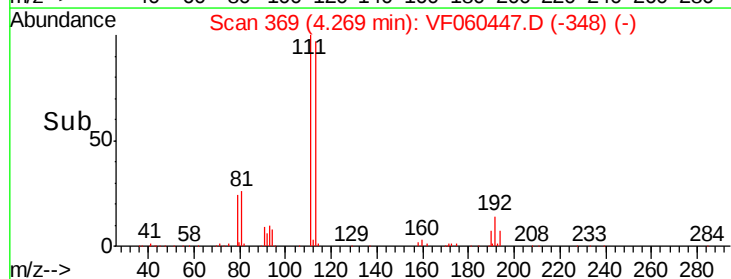
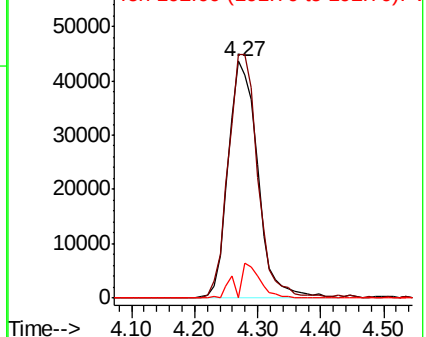
113 100

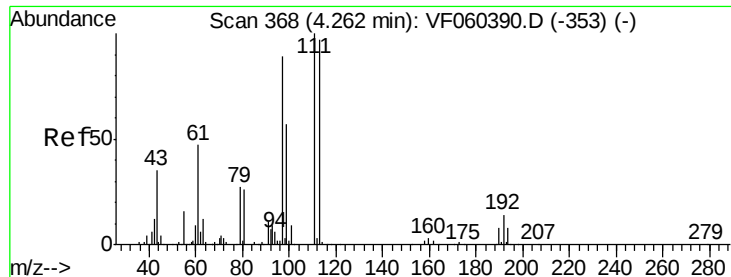
111 102.7 82.3 123.5

192 0.0 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

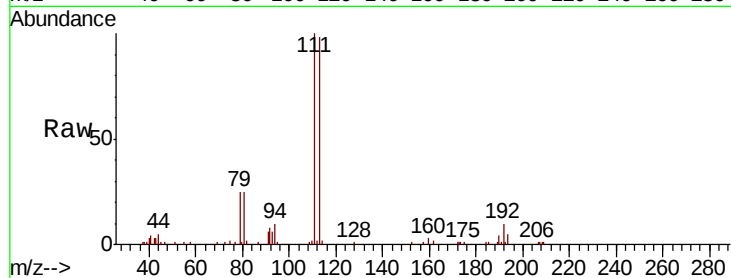




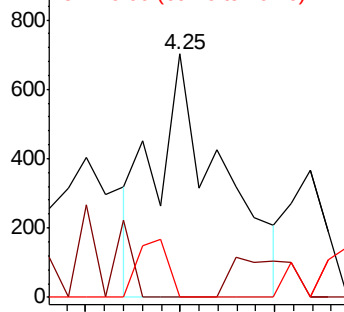
#37
Ethyl Acetate
Concen: 3.217 ug/l
RT: 4.25 min Scan# 367
Delta R.T. -0.01 min
Lab File: VF060447.D
Acq: 4 Oct 2018 20:28

Instrument :
MSVOA_F
ClientSampled :

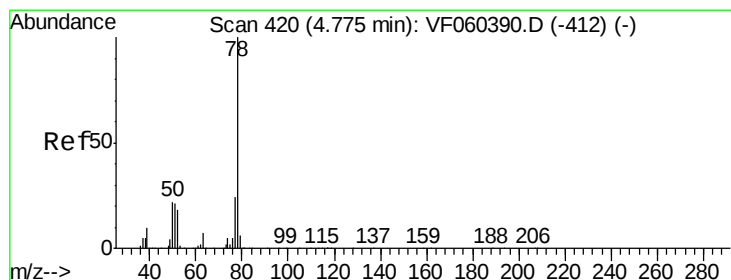
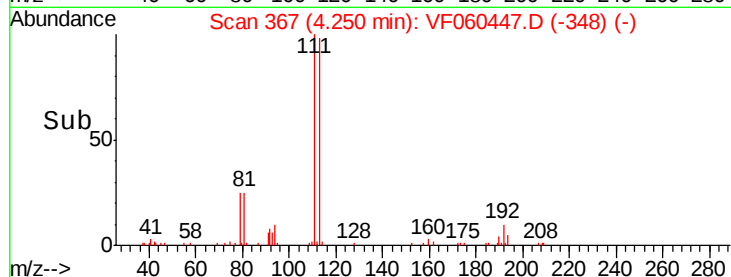
Tot Ion: 43 Resp: 1724
Ion Ratio Lower Upper
43 100
61 0.0 105.1 157.7#
70 0.0 8.0 12.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

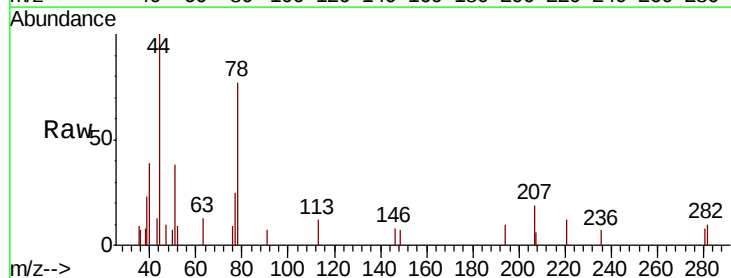


Time-->

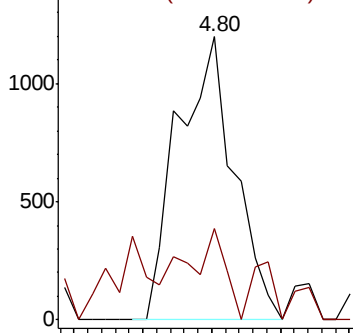


#40
Benzene
Concen: 1.223 ug/l
RT: 4.80 min Scan# 423
Delta R.T. 0.03 min
Lab File: VF060447.D
Acq: 4 Oct 2018 20:28

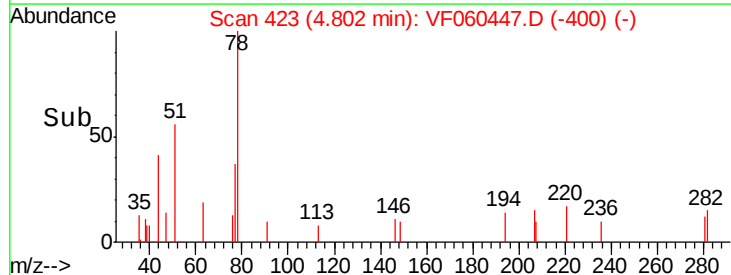
Tgt Ion: 78 Resp: 3399
Ion Ratio Lower Upper
78 100
77 32.1 19.2 28.8#

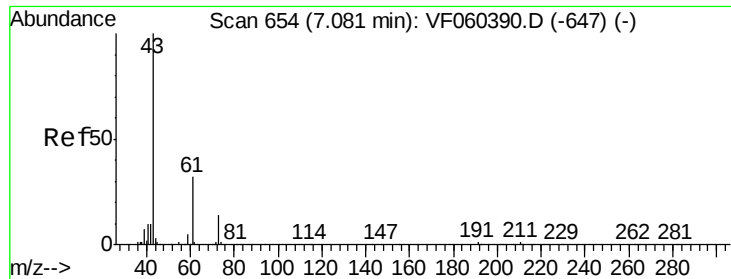


Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0



Time-->





#43

Isopropyl Acetate

Concen: 2.047 ug/l

RT: 7.09 min Scan# 655

Delta R.T. 0.01 min

Lab File: VF060447.D

Acq: 4 Oct 2018 20:28

Instrument :

MSVOA_F

ClientSampleId :

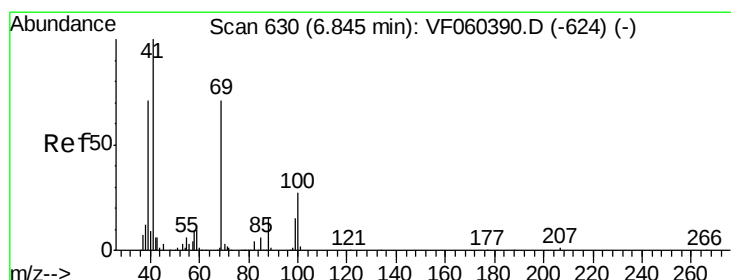
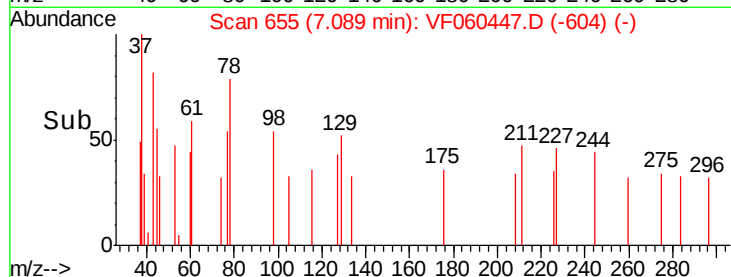
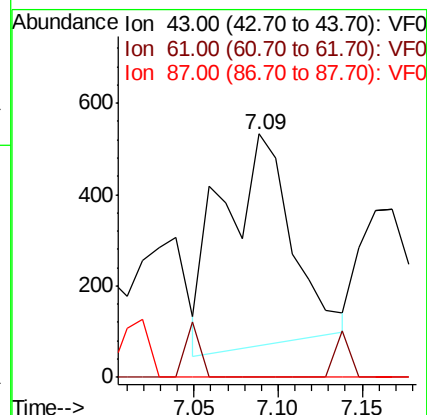
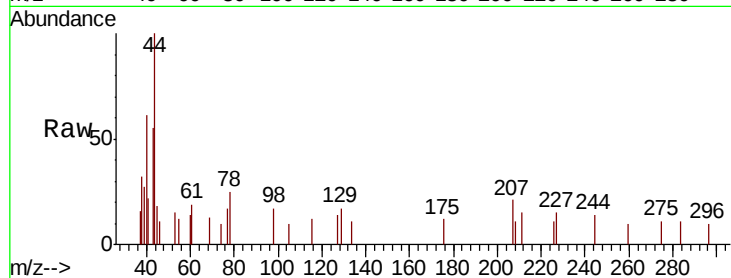
Tot Ion: 43 Resp: 1326

Ion Ratio Lower Upper

43 100

61 0.0 25.4 38.2#

87 0.0 0.3 0.5#



#49

1,4-Dioxane

Concen: 25.195 ug/l

RT: 6.85 min Scan# 631

Delta R.T. 0.01 min

Lab File: VF060447.D

Acq: 4 Oct 2018 20:28

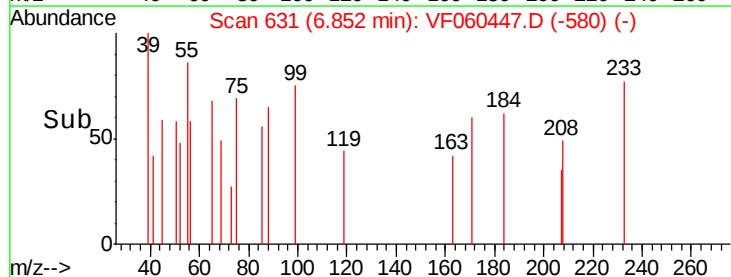
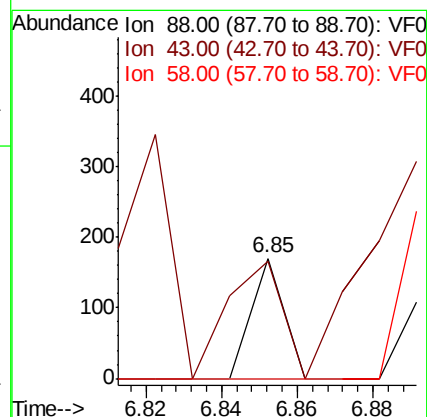
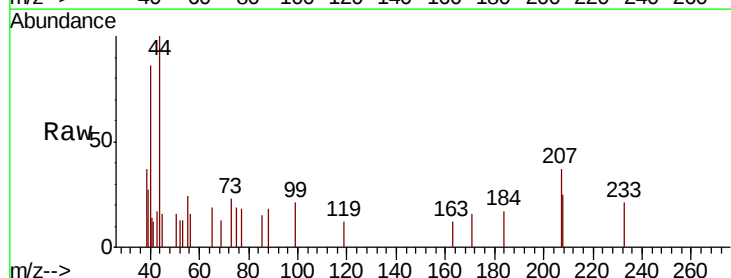
Tgt Ion: 88 Resp: 101

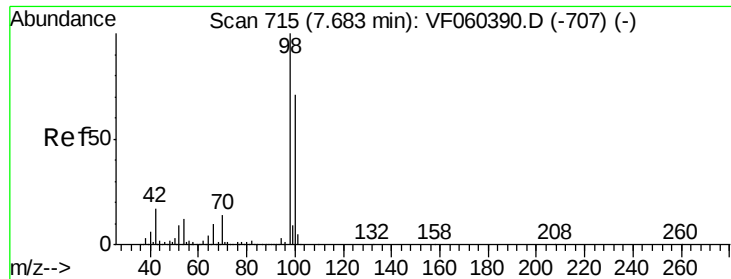
Ion Ratio Lower Upper

88 100

43 97.6 38.3 57.5#

58 0.0 47.4 71.2#

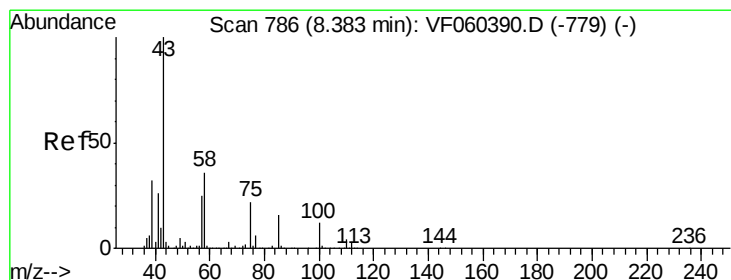
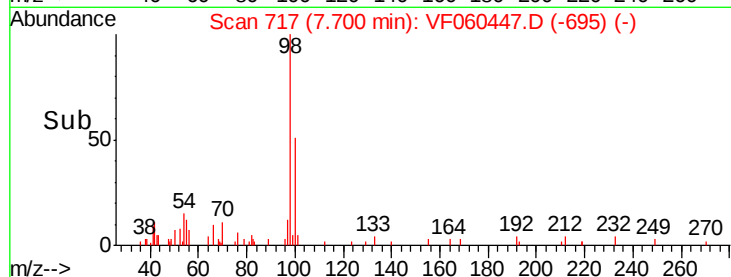
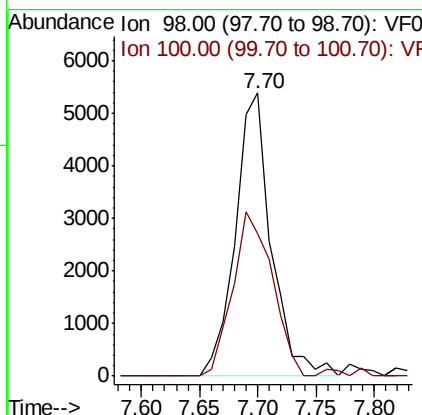
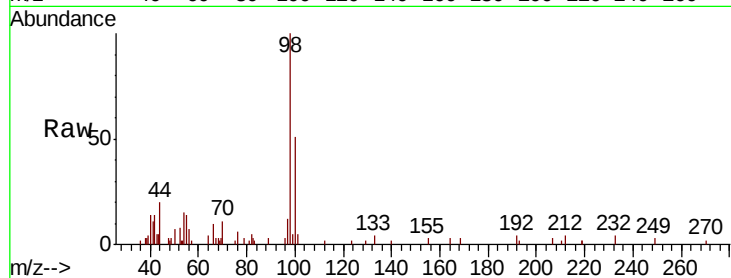




#50
Toluene-d8
Concen: 4.380 ug/l
RT: 7.70 min Scan# 717
Delta R.T. 0.02 min
Lab File: VF060447.D
Acq: 4 Oct 2018 20:28

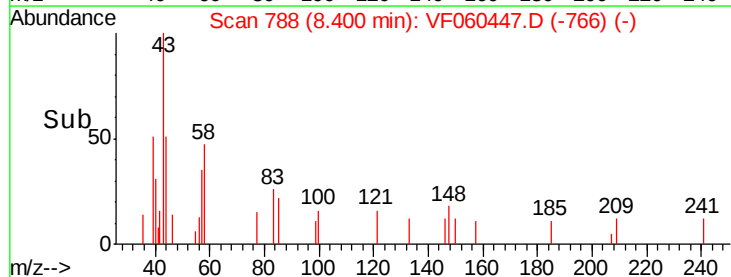
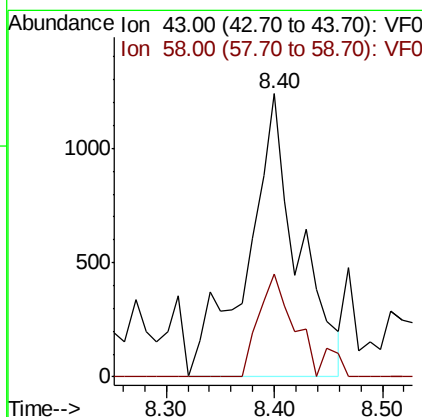
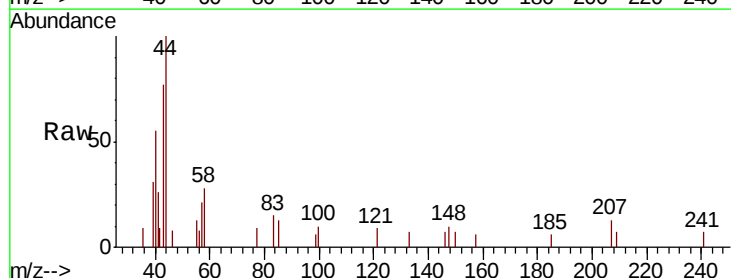
Instrument :
MSVOA_F
ClientSampled :

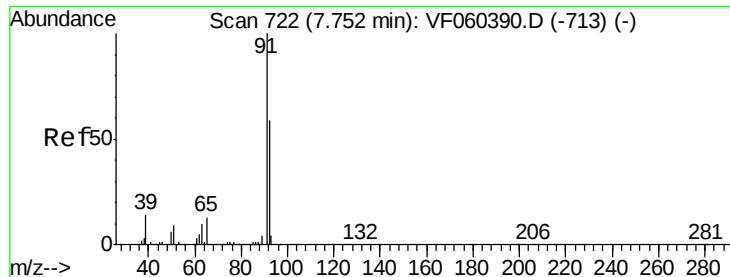
Tot Ion: 98 Resp: 11504
Ion Ratio Lower Upper
98 100
100 50.6 56.5 84.7#



#51
4-Methyl-2-Pentanone
Concen: 8.793 ug/l
RT: 8.40 min Scan# 788
Delta R.T. 0.02 min
Lab File: VF060447.D
Acq: 4 Oct 2018 20:28

Tgt Ion: 43 Resp: 4054
Ion Ratio Lower Upper
43 100
58 36.4 28.5 42.7





#52

Toluene

Concen: 4.278 ug/l

RT: 7.76 min Scan# 723

Delta R.T. 0.01 min

Lab File: VF060447.D

Acq: 4 Oct 2018 20:28

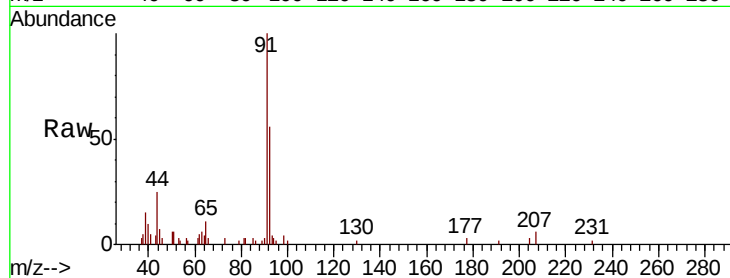
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 92 Resp: 8073

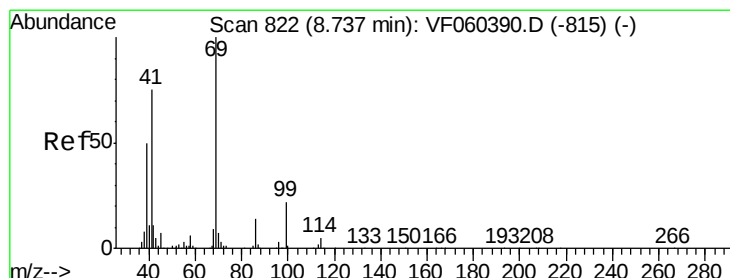
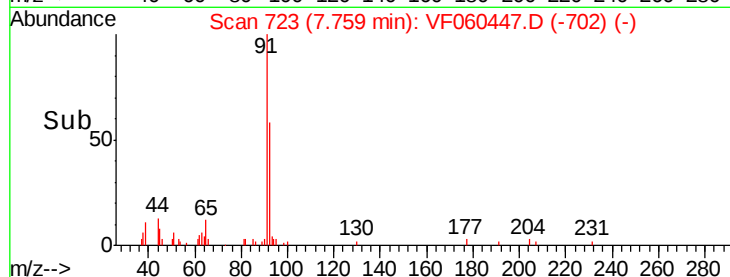
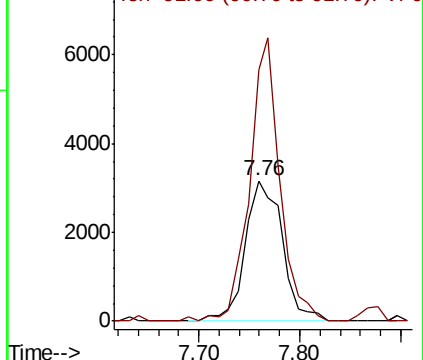
Ion Ratio Lower Upper

92 100

91 179.1 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VF0
Ion 91.00 (90.70 to 91.70): VF0



#56

Ethyl methacrylate

Concen: 7.123 ug/l

RT: 8.75 min Scan# 824

Delta R.T. 0.02 min

Lab File: VF060447.D

Acq: 4 Oct 2018 20:28

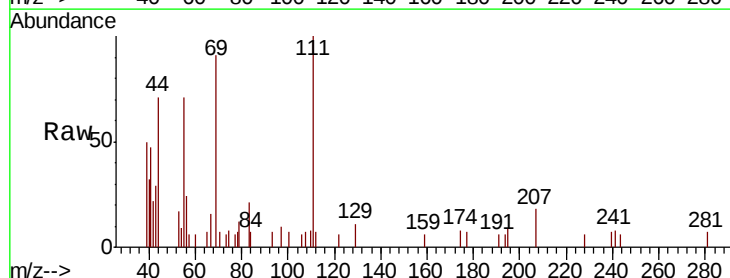
Tgt Ion: 69 Resp: 4842

Ion Ratio Lower Upper

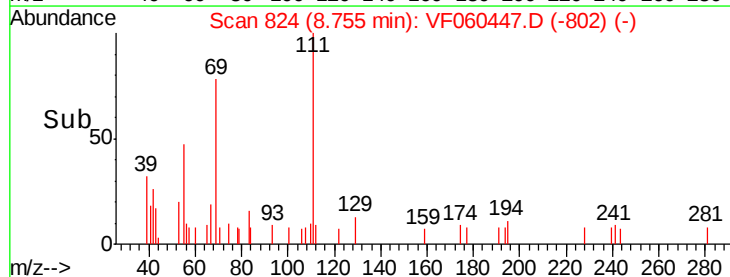
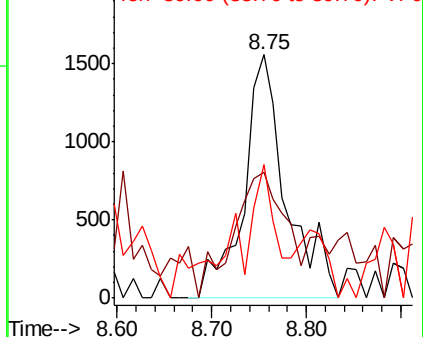
69 100

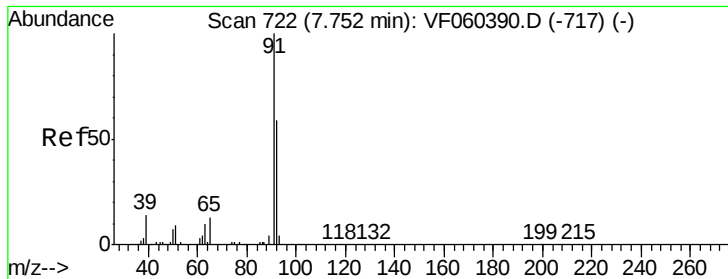
41 51.5 60.2 90.4#

39 54.9 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: 19.962 ug/l

RT: 7.77 min Scan# 724

Delta R.T. 0.02 min

Lab File: VF060447.D

Acq: 4 Oct 2018 20:28

Instrument :

MSVOA_F

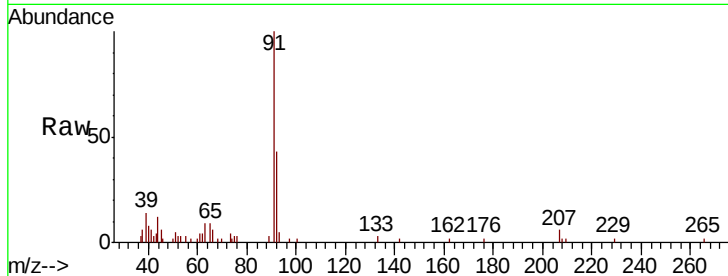
ClientSampleId :

Tot Ion: 63 Resp: 1386

Ion Ratio Lower Upper

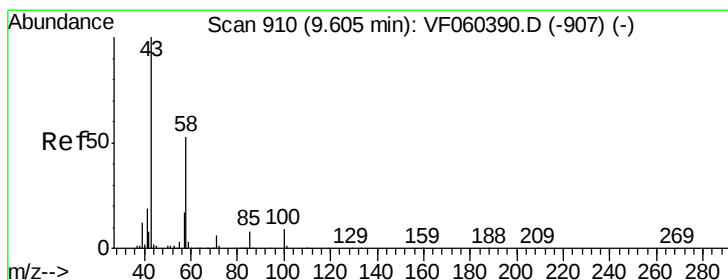
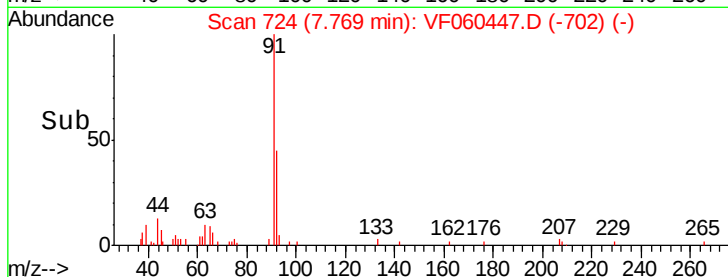
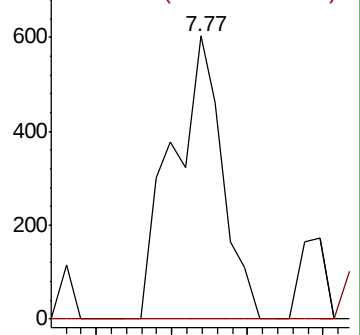
63 100

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): VF0



#59

2-Hexanone

Concen: 9.947 ug/l

RT: 9.62 min Scan# 912

Delta R.T. 0.02 min

Lab File: VF060447.D

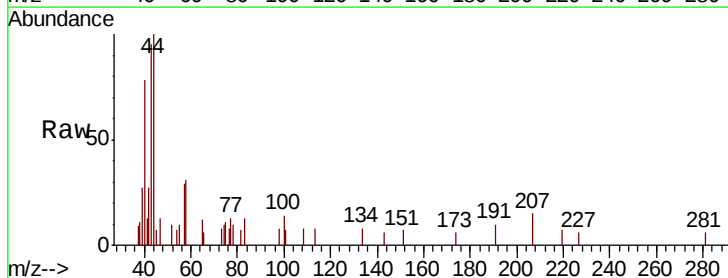
Acq: 4 Oct 2018 20:28

Tgt Ion: 43 Resp: 3364

Ion Ratio Lower Upper

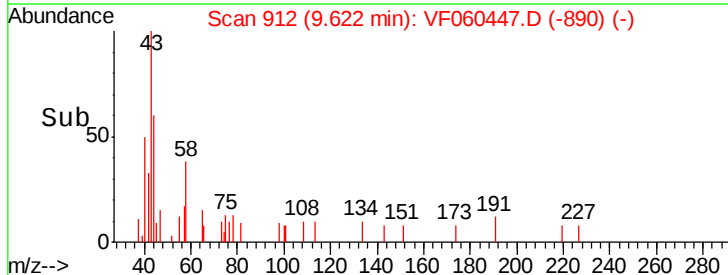
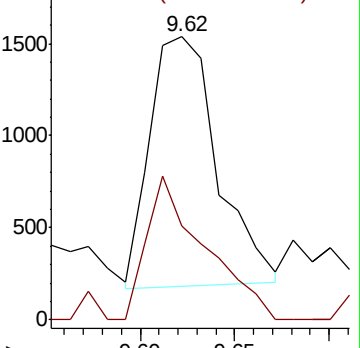
43 100

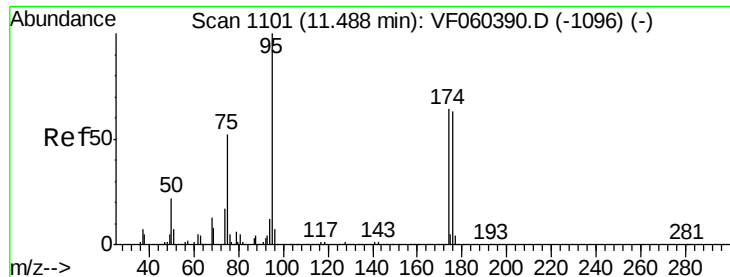
58 33.0 25.6 76.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 36.046 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. 0.02 min

Lab File: VF060447.D

Acq: 4 Oct 2018 20:28

Instrument :

MSVOA_F

ClientSampleId :

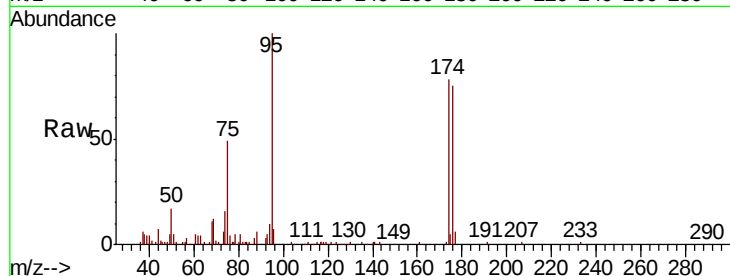
Tot Ion: 95 Resp: 43226

Ion Ratio Lower Upper

95 100

174 77.9 0.0 129.0

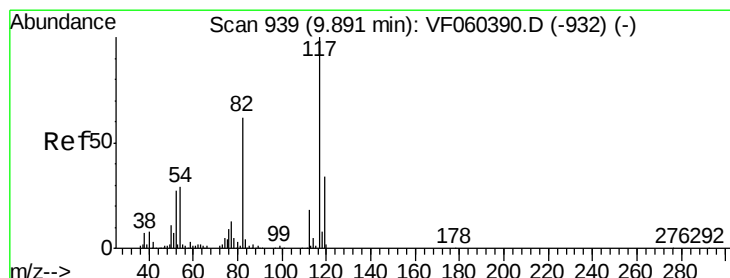
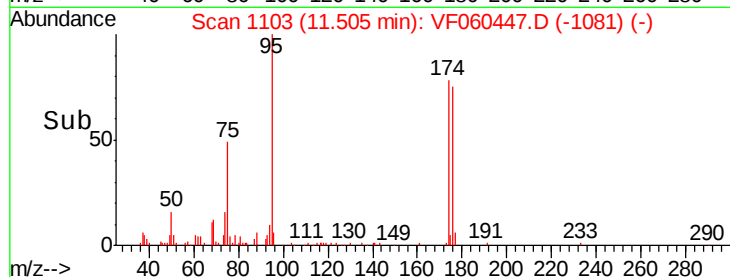
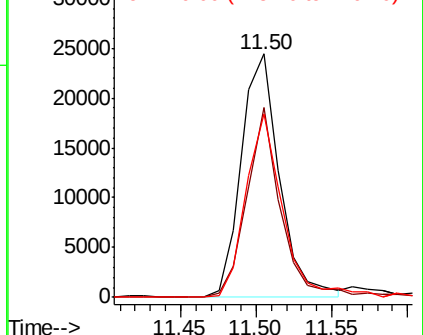
176 75.5 0.0 125.6



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: 9.91 min Scan# 941

Delta R.T. 0.02 min

Lab File: VF060447.D

Acq: 4 Oct 2018 20:28

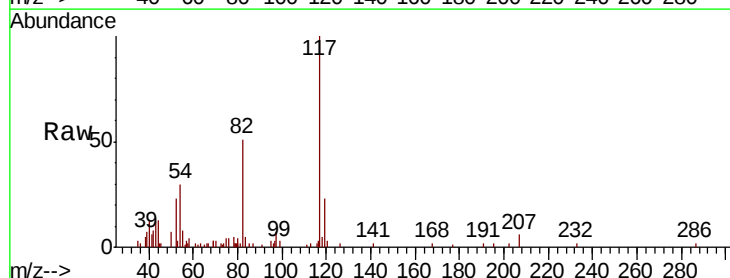
Tgt Ion: 117 Resp: 15726

Ion Ratio Lower Upper

117 100

82 51.3 49.5 74.3

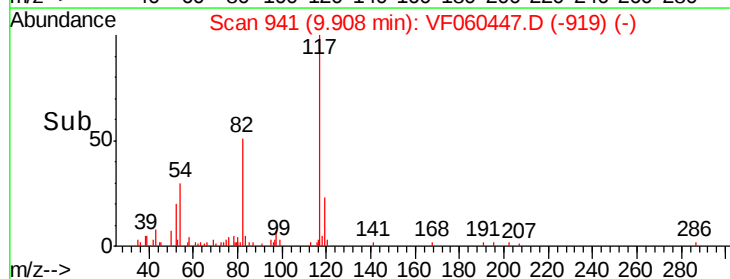
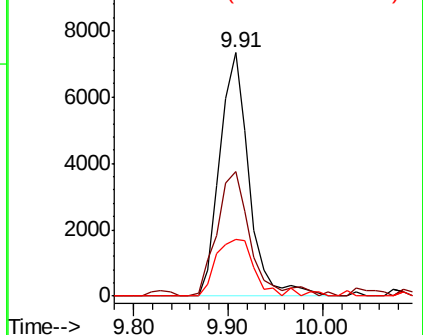
119 23.4 27.0 40.6#

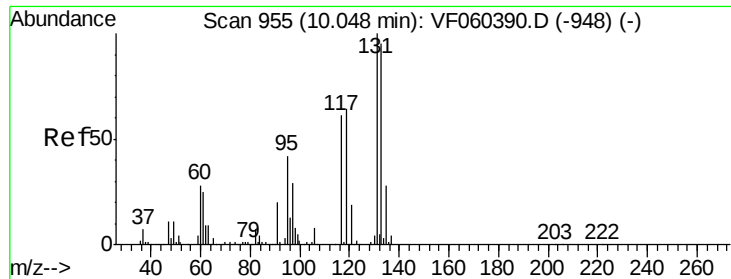


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#66

1,1,1,2-Tetrachloroethane

Concen: 1.319 ug/l

RT: 10.07 min Scan# 957

Delta R.T. 0.02 min

Lab File: VF060447.D

Acq: 4 Oct 2018 20:28

Instrument :

MSVOA_F

ClientSampled :

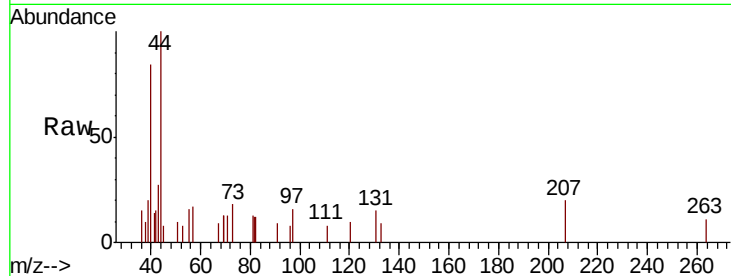
Tot Ion:131 Resp: 186

Ion Ratio Lower Upper

131 100

133 61.7 47.3 141.8

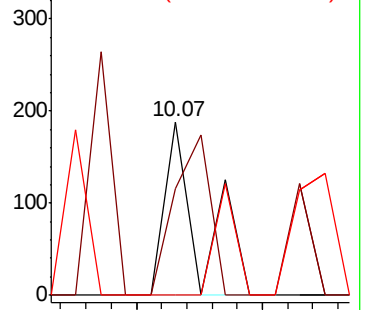
119 0.0 32.3 96.9#



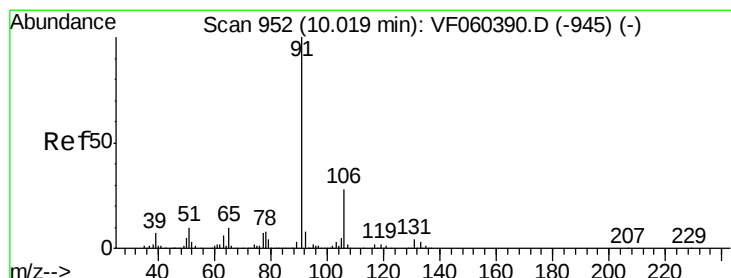
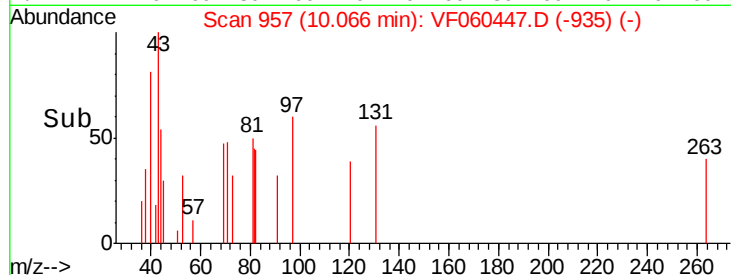
Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->



#67

Ethyl Benzene

Concen: 4.381 ug/l

RT: 10.03 min Scan# 953

Delta R.T. 0.01 min

Lab File: VF060447.D

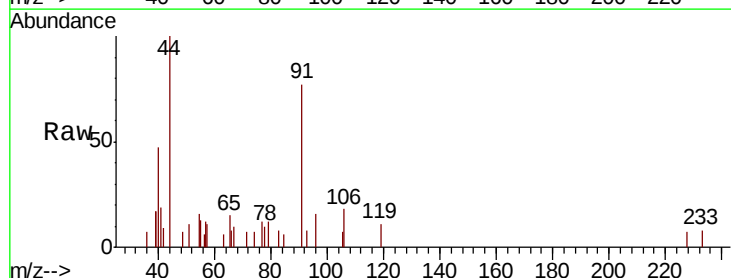
Acq: 4 Oct 2018 20:28

Tgt Ion: 91 Resp: 2691

Ion Ratio Lower Upper

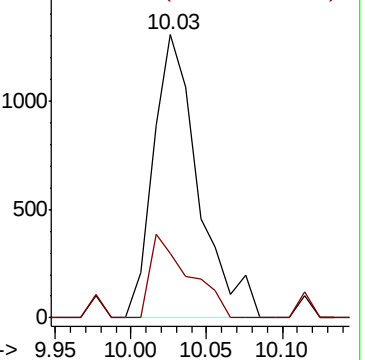
91 100

106 23.0 22.5 33.7

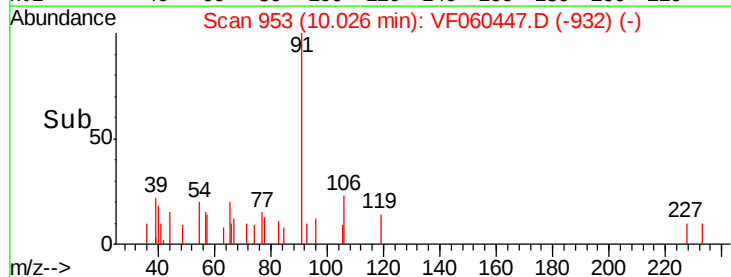


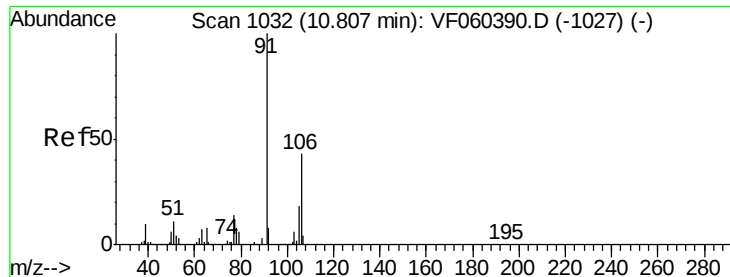
Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



Time-->

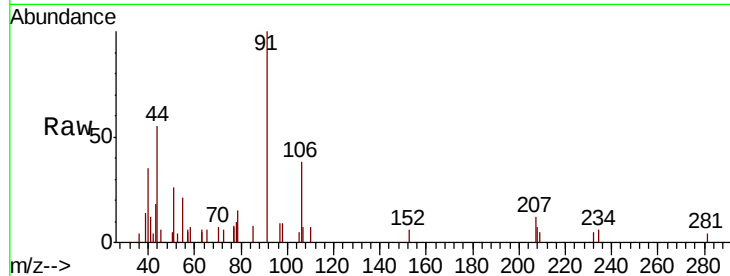




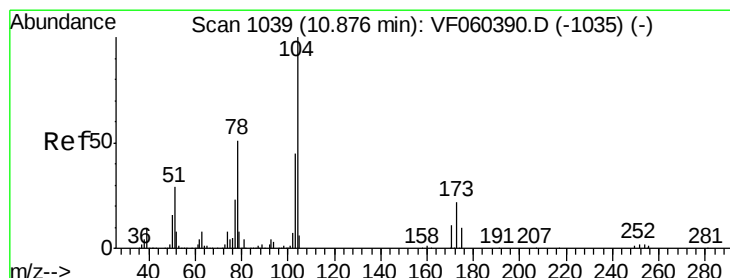
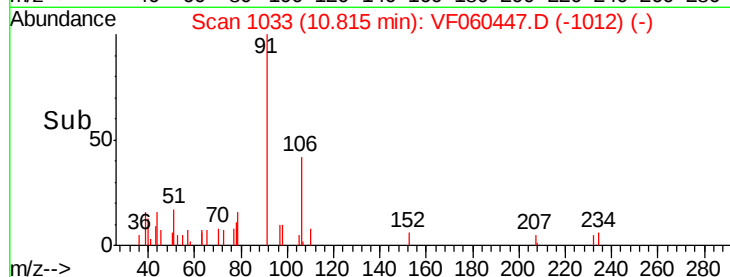
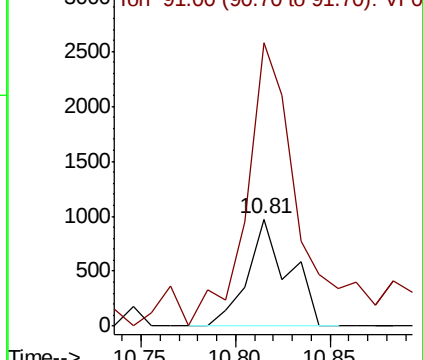
#69
o-Xylene
Concen: 6.383 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VF060447.D
Acq: 4 Oct 2018 20:28

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:106 Resp: 1469
Ion Ratio Lower Upper
106 100
91 263.6 115.1 345.2

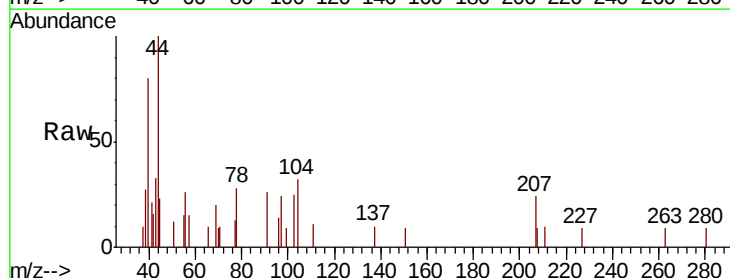


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

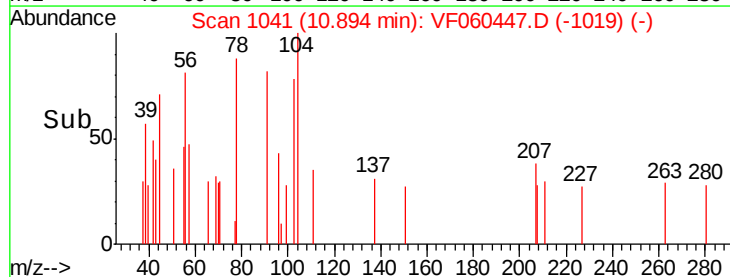
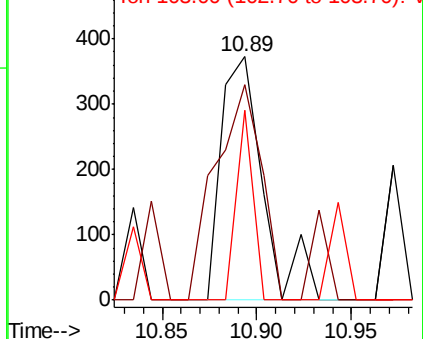


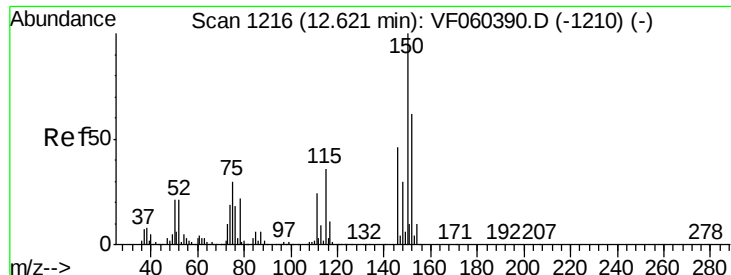
#70
Styrene
Concen: 1.747 ug/l
RT: 10.89 min Scan# 1041
Delta R.T. 0.02 min
Lab File: VF060447.D
Acq: 4 Oct 2018 20:28

Tgt Ion:104 Resp: 572
Ion Ratio Lower Upper
104 100
78 88.5 41.0 61.4#
103 77.7 36.4 54.6#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V



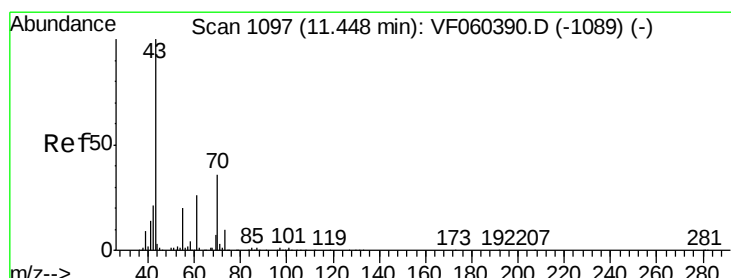
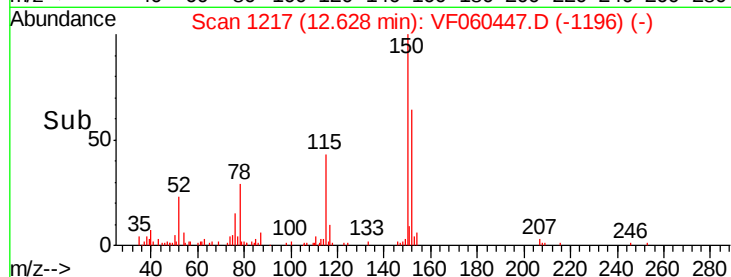
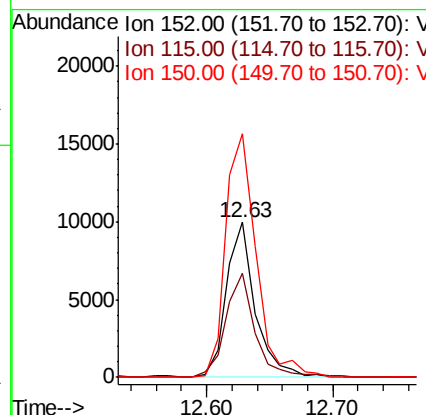
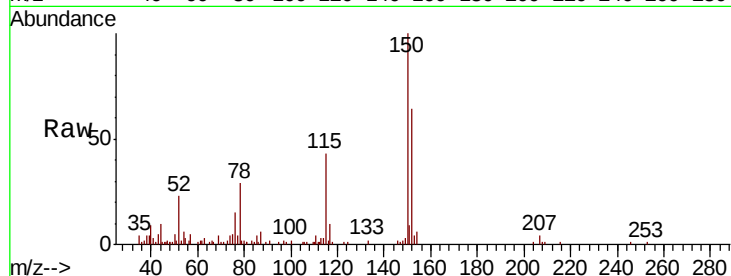


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1217
Delta R.T. 0.01 min
Lab File: VF060447.D
Acq: 4 Oct 2018 20:28

Instrument :
MSVOA_F
ClientSampleId :

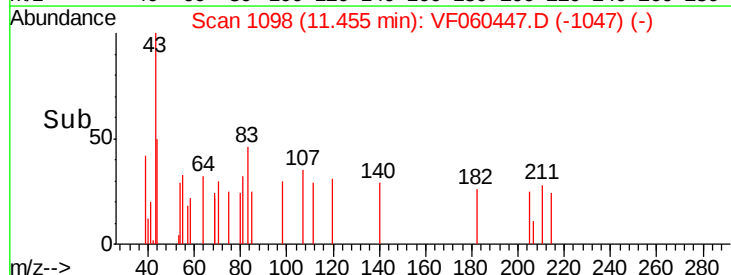
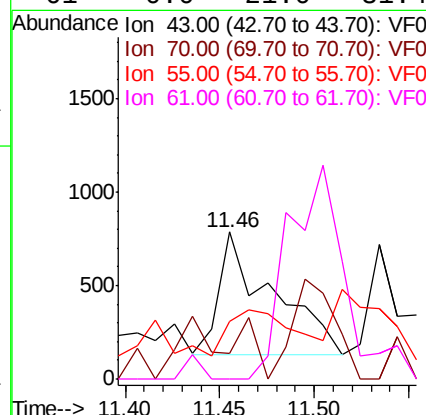
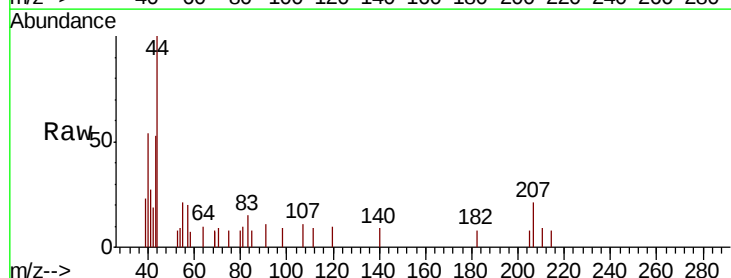
Tot Ion	Ratio	Lower	Upper
152	100		
115	66.9	28.6	85.8
150	156.8	0.0	324.6

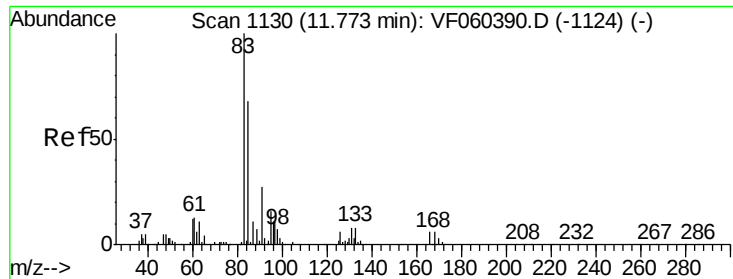


#74

N-ethyl acetate
Concen: 4.441 ug/l
RT: 11.46 min Scan# 1098
Delta R.T. 0.01 min
Lab File: VF060447.D
Acq: 4 Oct 2018 20:28

Tgt Ion	Ratio	Lower	Upper
43	100		
70	17.8	29.1	43.7#
55	39.5	16.3	24.5#
61	0.0	21.0	31.4#





#75

1,1,2,2-Tetrachloroethane

Concen: 1.931 ug/l

RT: 11.76 min Scan# 1129

Delta R.T. -0.01 min

Lab File: VF060447.D

Acq: 4 Oct 2018 20:28

Instrument :

MSVOA_F

ClientSampled :

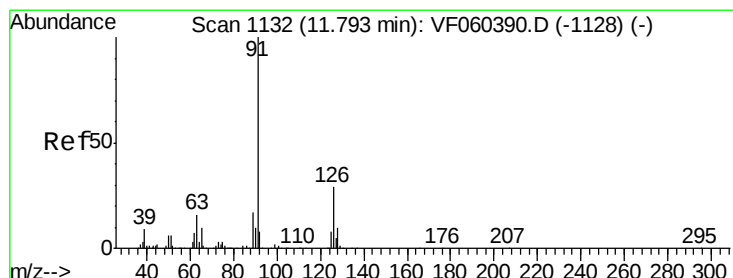
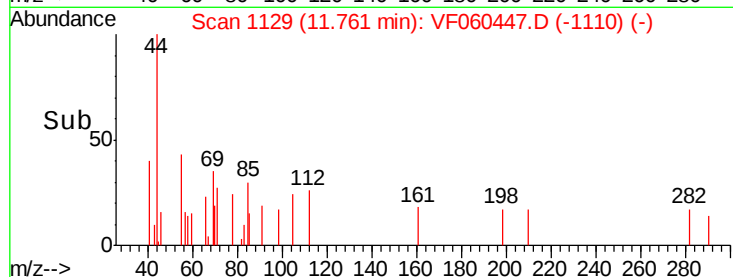
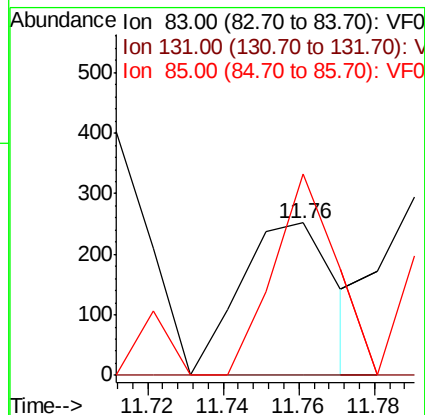
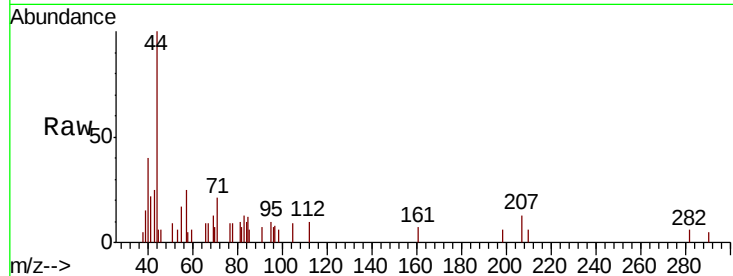
Tot Ion: 83 Resp: 438

Ion Ratio Lower Upper

83 100

131 0.0 4.0 12.0#

85 131.7 34.0 102.0#



#79

2-Chlorotoluene

Concen: 1.107 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF060447.D

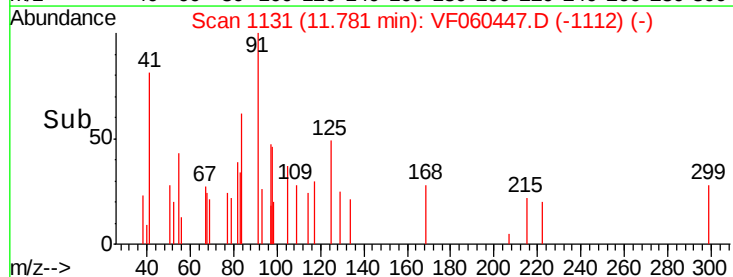
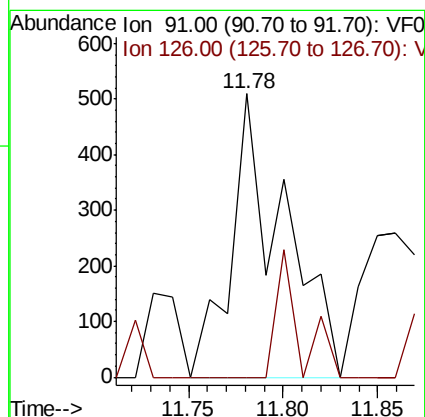
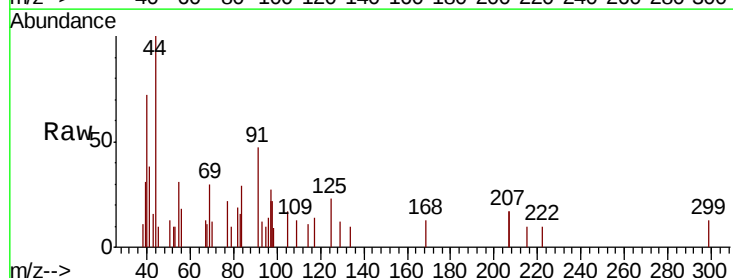
Acq: 4 Oct 2018 20:28

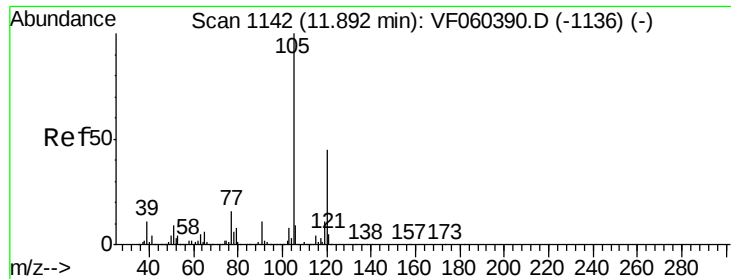
Tgt Ion: 91 Resp: 977

Ion Ratio Lower Upper

91 100

126 0.0 14.4 43.4#





#80

1,3,5-Trimethylbenzene

Concen: 1.724 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. 0.02 min

Lab File: VF060447.D

Acq: 4 Oct 2018 20:28

Instrument :

MSVOA_F

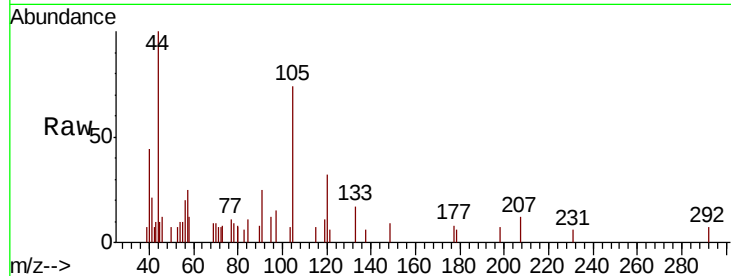
ClientSampleId :

Tot Ion:105 Resp: 1822

Ion Ratio Lower Upper

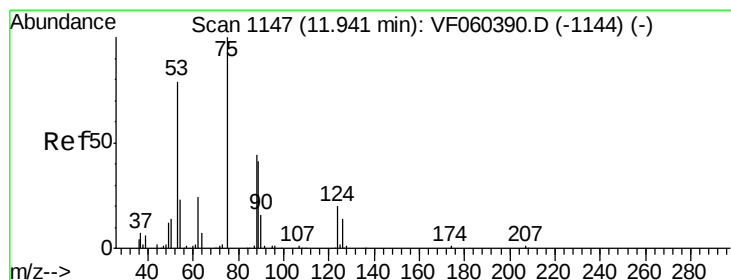
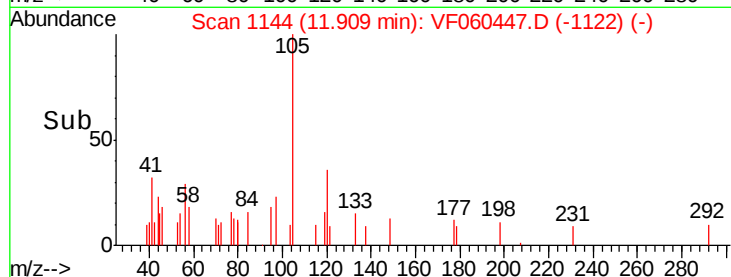
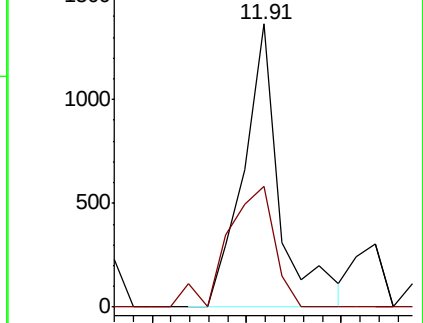
105 100

120 42.8 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 1.729 ug/l

RT: 11.95 min Scan# 1148

Delta R.T. 0.01 min

Lab File: VF060447.D

Acq: 4 Oct 2018 20:28

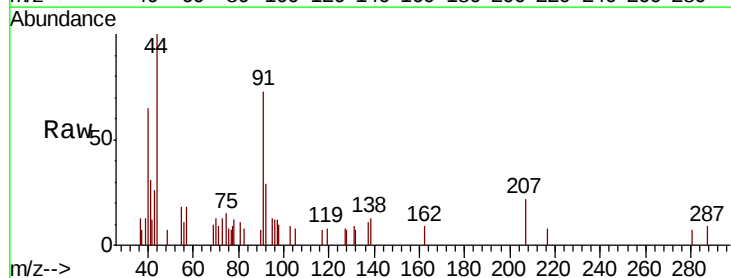
Tgt Ion: 75 Resp: 128

Ion Ratio Lower Upper

75 100

53 0.0 67.8 101.8#

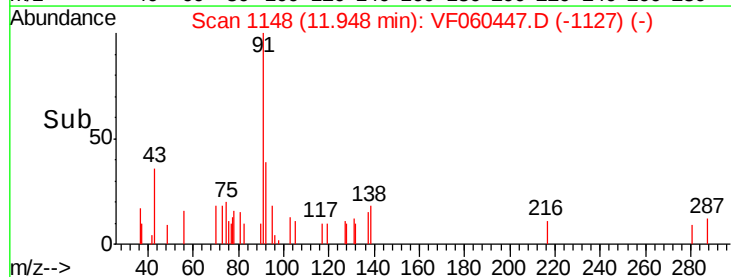
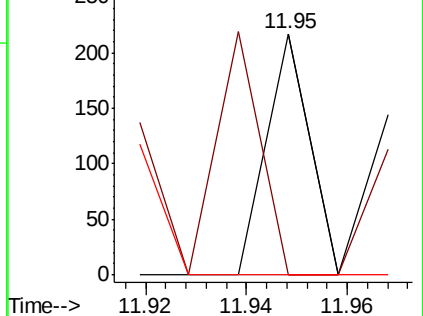
89 0.0 36.7 55.1#

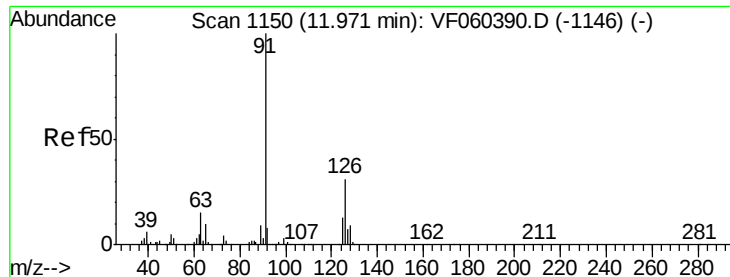


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0

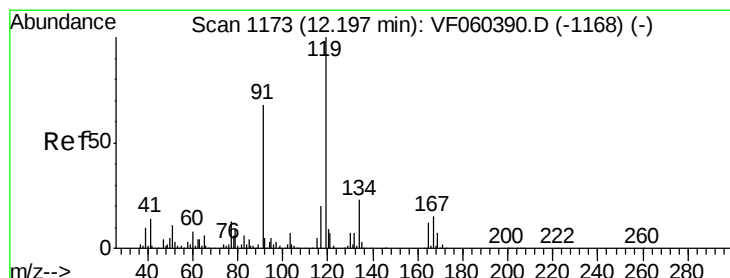
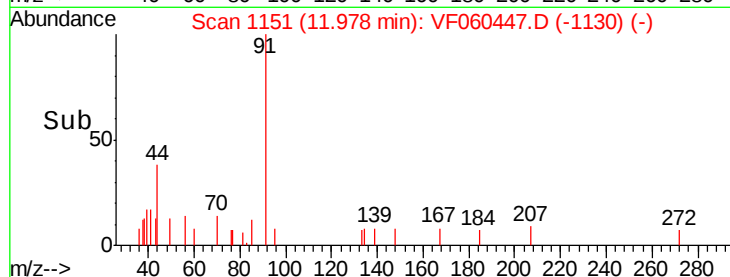
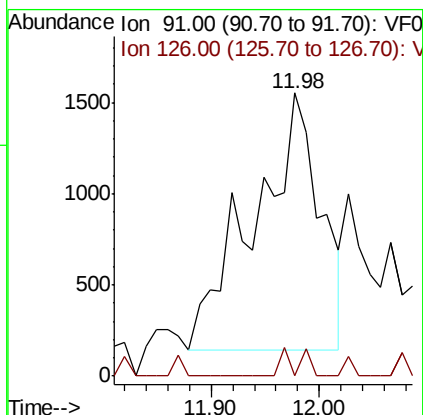
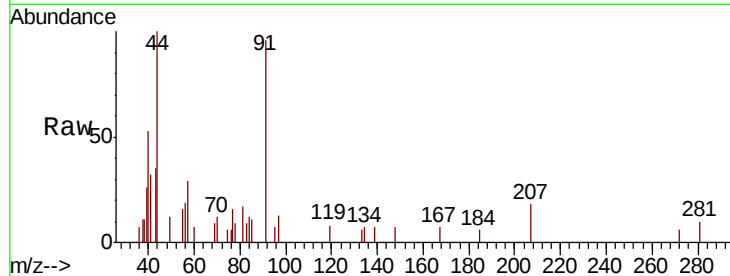




#82
4-Chlorotoluene
Concen: 6.668 ug/l
RT: 11.98 min Scan# 1151
Delta R.T. 0.01 min
Lab File: VF060447.D
Acq: 4 Oct 2018 20:28

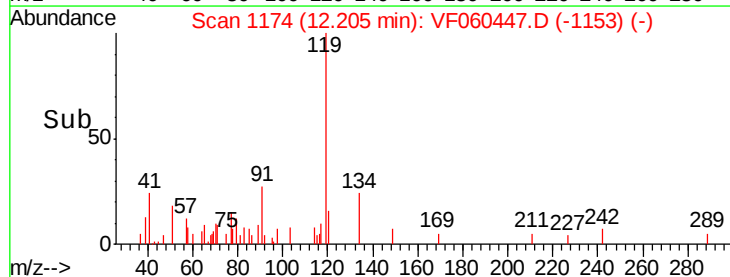
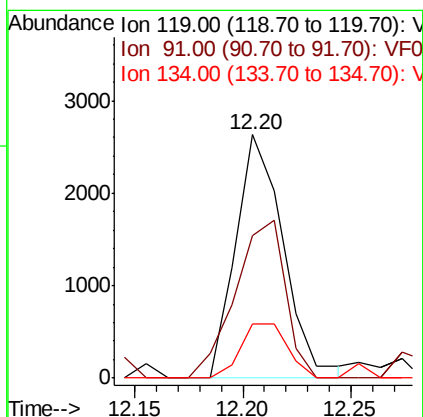
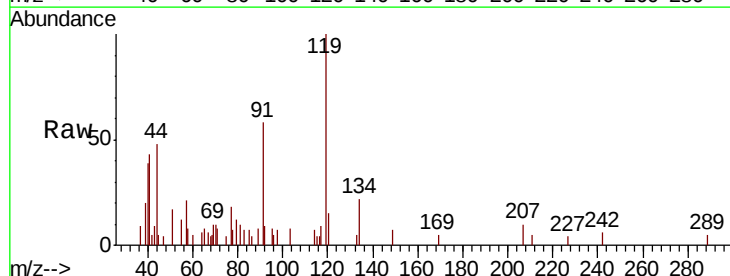
Instrument :
MSVOA_F
ClientSampleId :

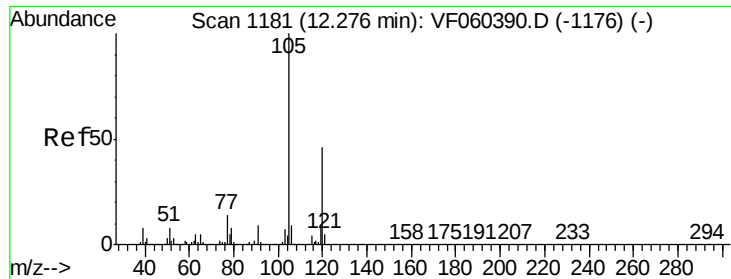
Tot Ion: 91 Resp: 6020
Ion Ratio Lower Upper
91 100
126 0.0 15.7 47.0#



#83
tert-Butylbenzene
Concen: 3.853 ug/l
RT: 12.20 min Scan# 1174
Delta R.T. 0.01 min
Lab File: VF060447.D
Acq: 4 Oct 2018 20:28

Tgt Ion: 119 Resp: 4017
Ion Ratio Lower Upper
119 100
91 58.3 34.0 102.0
134 22.1 11.7 35.0

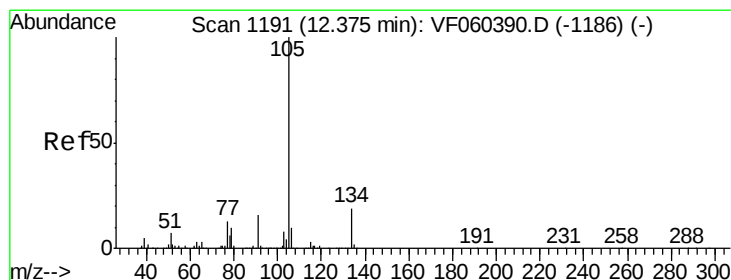
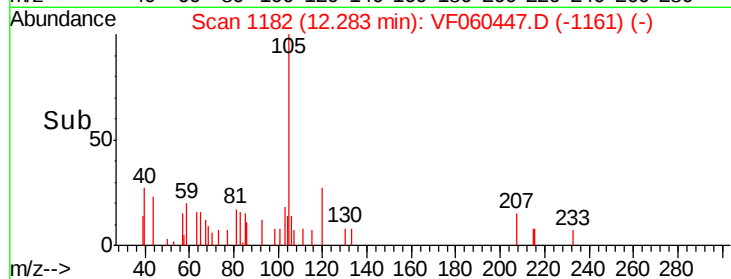
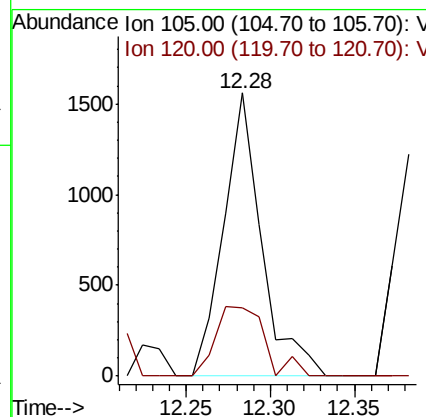
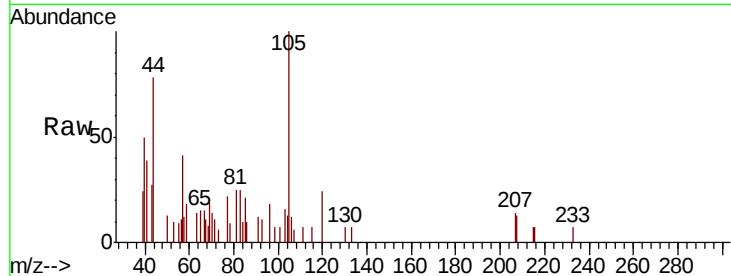




#84
 1,2,4-Trimethylbenzene
 Concen: 2.333 ug/l
 RT: 12.28 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VF060447.D
 Acq: 4 Oct 2018 20:28

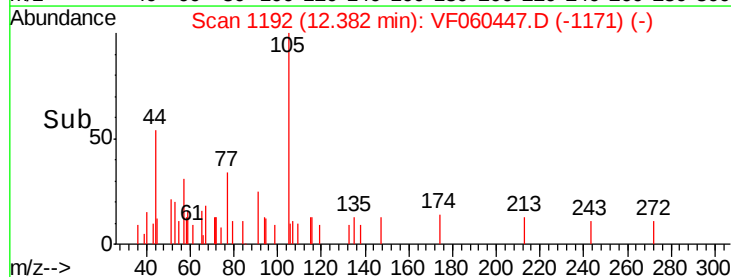
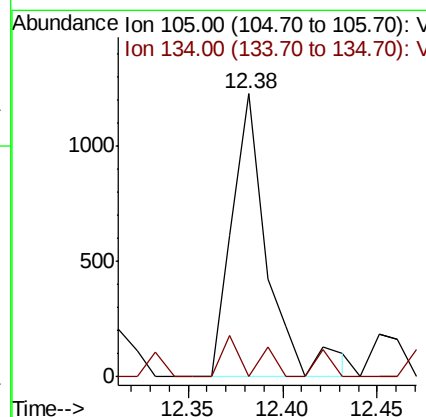
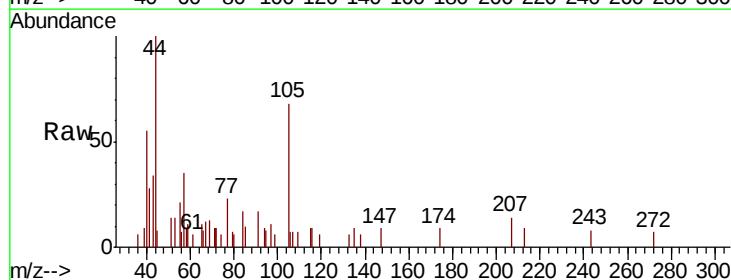
Instrument :
 MSVOA_F
 ClientSampleId :

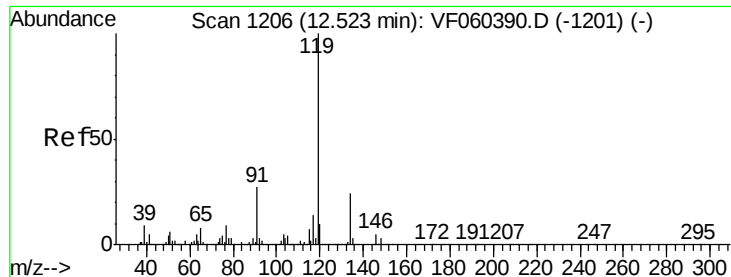
Tot Ion:105 Resp: 2446
 Ion Ratio Lower Upper
 105 100
 120 24.3 23.1 69.2



#85
 sec-Butylbenzene
 Concen: 1.110 ug/l
 RT: 12.38 min Scan# 1192
 Delta R.T. 0.01 min
 Lab File: VF060447.D
 Acq: 4 Oct 2018 20:28

Tgt Ion:105 Resp: 1598
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.4 28.3#

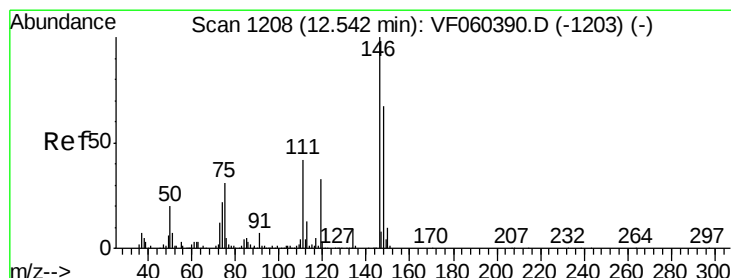
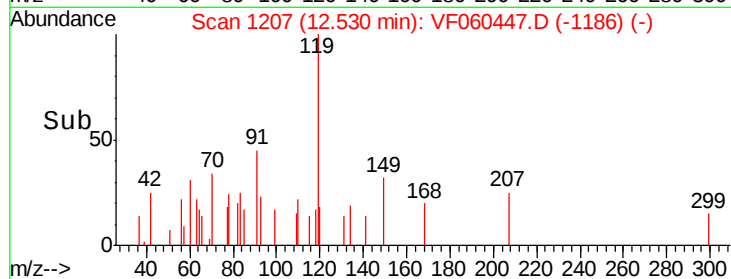
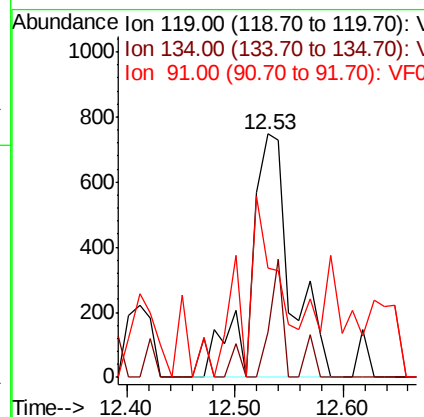
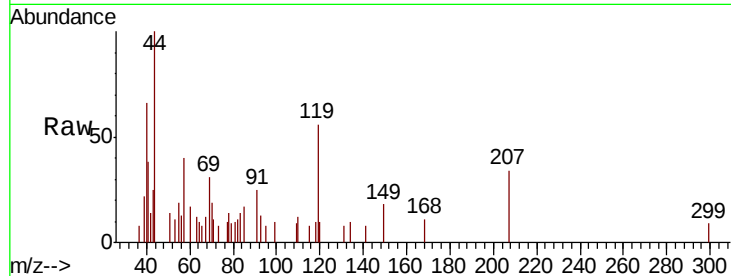




#86
 p-Isopropyltoluene
 Concen: 1.662 ug/l
 RT: 12.53 min Scan# 1207
 Delta R.T. 0.01 min
 Lab File: VF060447.D
 Acq: 4 Oct 2018 20:28

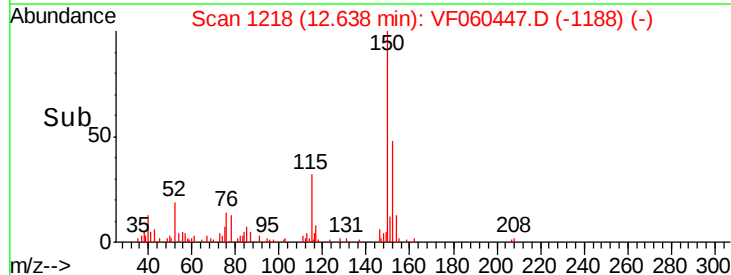
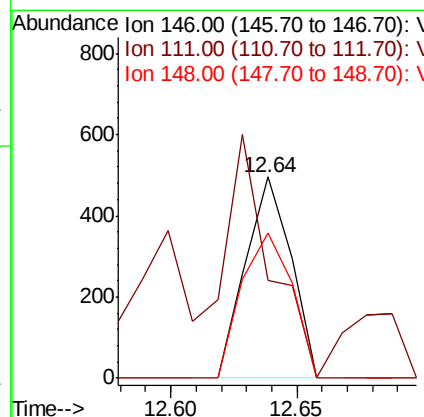
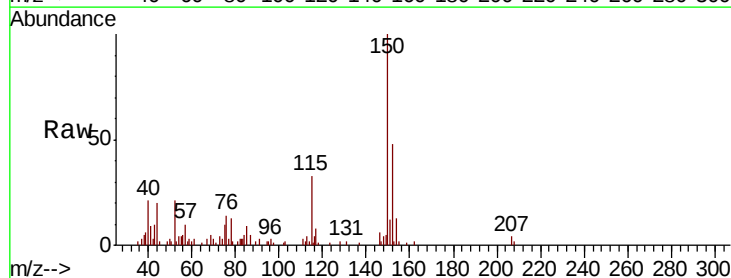
Instrument :
 MSVOA_F
 ClientSampled :

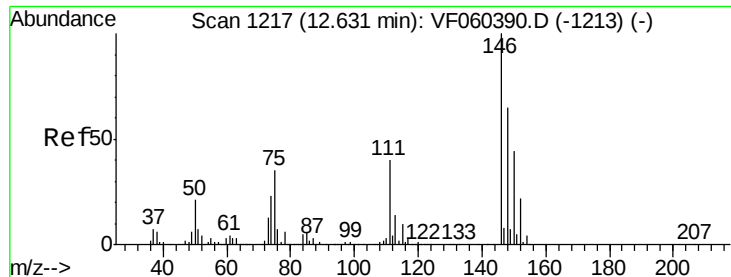
Tot Ion	Ratio	Lower	Upper
119	100		
134	18.6	12.3	36.8
91	44.9	13.5	40.4



#87
 1,3-Dichlorobenzene
 Concen: 1.185 ug/l
 RT: 12.64 min Scan# 1218
 Delta R.T. 0.10 min
 Lab File: VF060447.D
 Acq: 4 Oct 2018 20:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.7	20.9	62.7
148	72.1	33.6	100.8

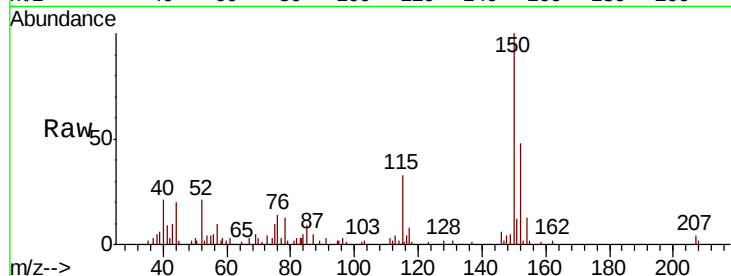




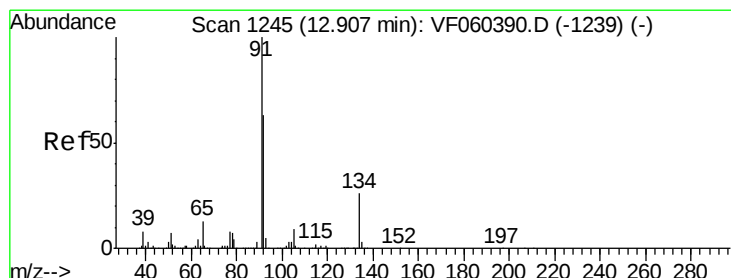
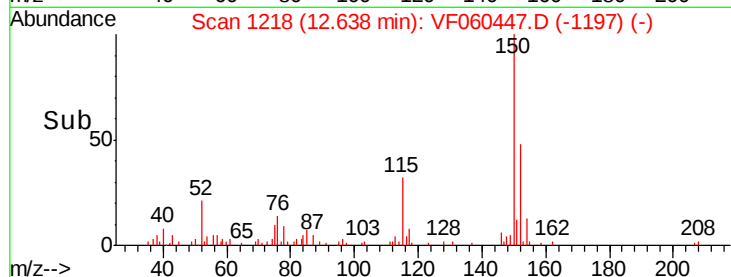
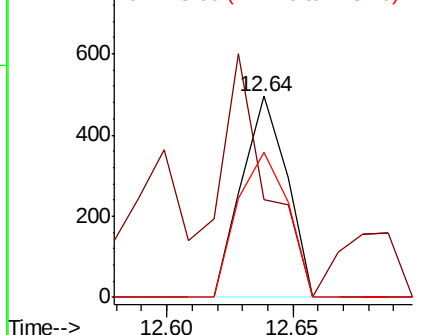
#88
 1,4-Dichlorobenzene
 Concen: 1.201 ug/l
 RT: 12.64 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VF060447.D
 Acq: 4 Oct 2018 20:28

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:146 Resp: 620
 Ion Ratio Lower Upper
 146 100
 111 48.7 20.2 60.6
 148 72.1 32.6 97.8

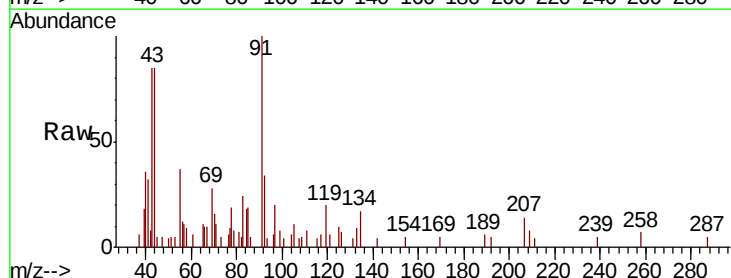


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

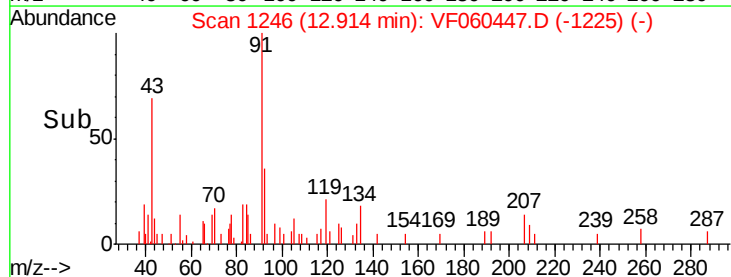
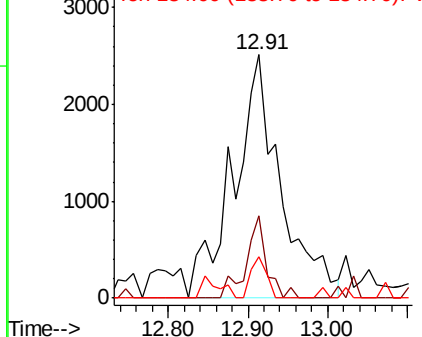


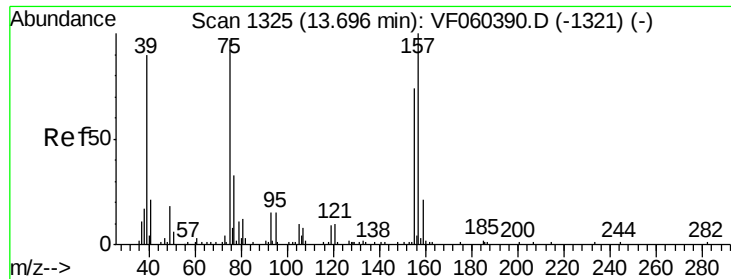
#89
 n-Butylbenzene
 Concen: 8.293 ug/l
 RT: 12.91 min Scan# 1246
 Delta R.T. 0.01 min
 Lab File: VF060447.D
 Acq: 4 Oct 2018 20:28

Tgt Ion: 91 Resp: 10318
 Ion Ratio Lower Upper
 91 100
 92 33.6 31.3 93.9
 134 17.2 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





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.524 ug/l

RT: 13.71 min Scan# 1327

Delta R.T. 0.02 min

Lab File: VF060447.D

Acq: 4 Oct 2018 20:28

Instrument :

MSVOA_F

ClientSampleId :

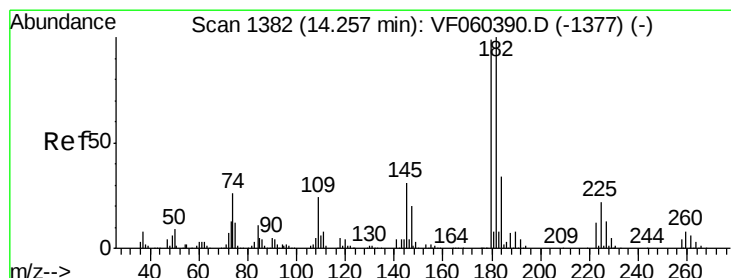
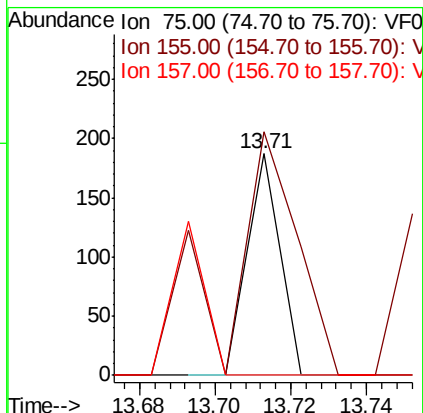
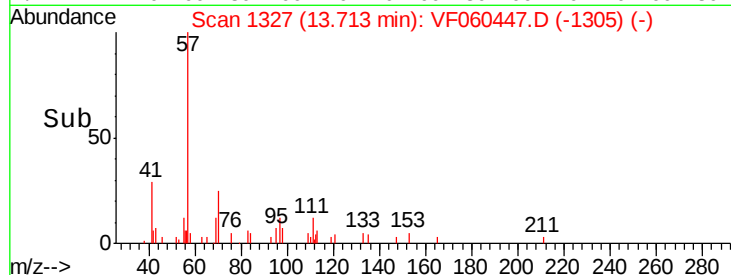
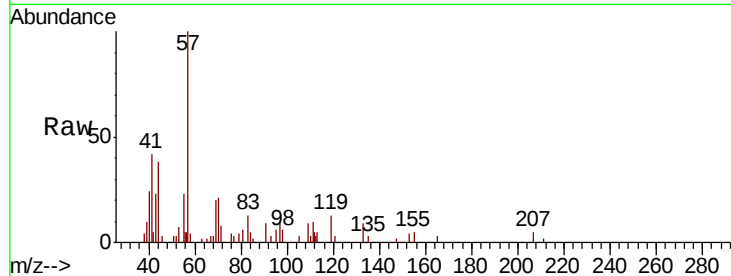
Tot Ion: 75 Resp: 111

Ion Ratio Lower Upper

75 100

155 110.2 37.9 113.6

157 0.0 51.3 154.0#



#93

1,2,4-Trichlorobenzene

Concen: 2.340 ug/l

RT: 14.26 min Scan# 1383

Delta R.T. 0.01 min

Lab File: VF060447.D

Acq: 4 Oct 2018 20:28

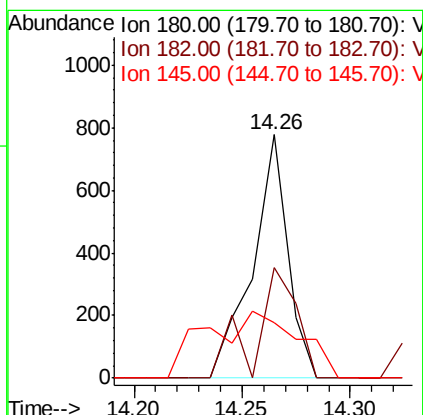
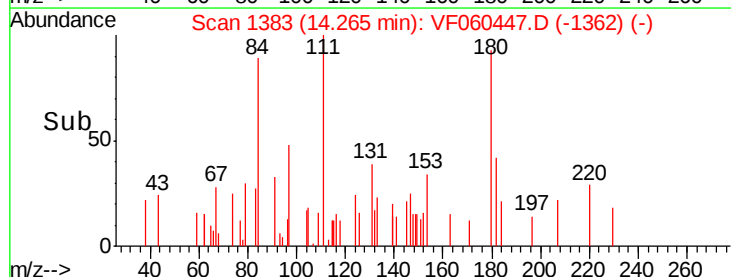
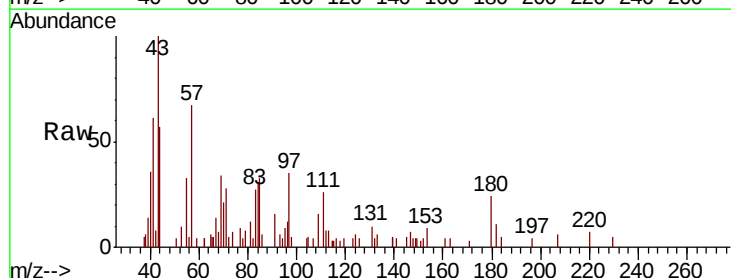
Tgt Ion:180 Resp: 877

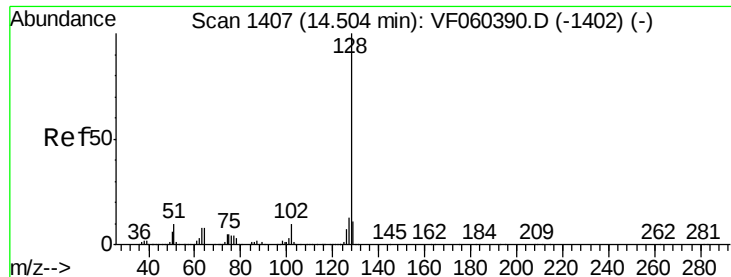
Ion Ratio Lower Upper

180 100

182 45.6 50.3 150.9#

145 22.8 15.5 46.5

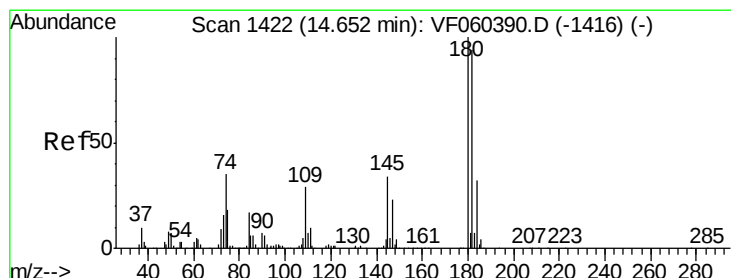
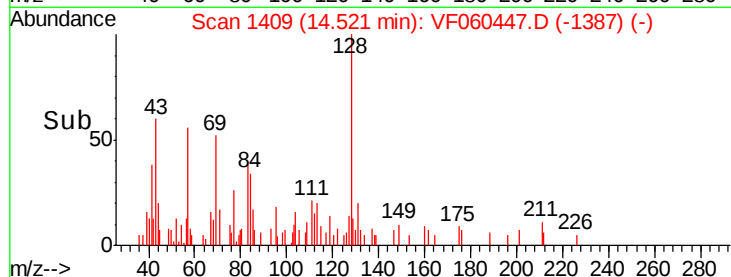
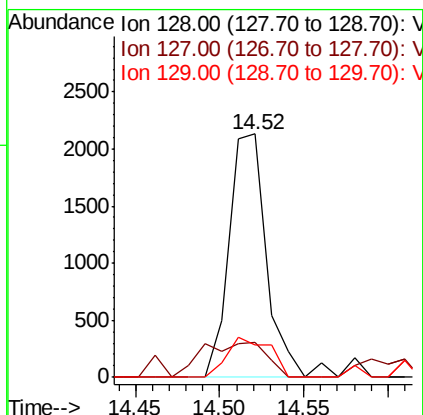
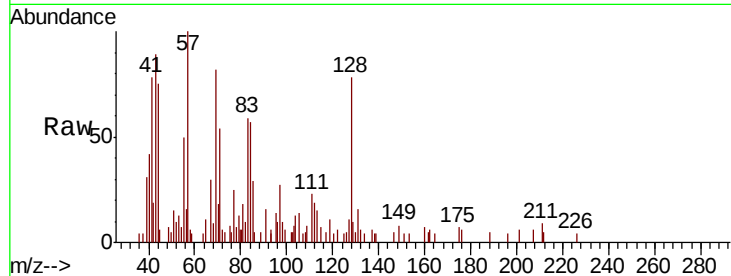




#95
Naphthalene
Concen: 4.959 ug/l
RT: 14.52 min Scan# 1409
Delta R.T. 0.02 min
Lab File: VF060447.D
Acq: 4 Oct 2018 20:28

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:128 Resp: 3323
Ion Ratio Lower Upper
128 100
127 14.3 10.0 15.0
129 13.4 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 1.076 ug/l
RT: 14.66 min Scan# 1423
Delta R.T. 0.01 min
Lab File: VF060447.D
Acq: 4 Oct 2018 20:28

Tgt Ion:180 Resp: 378
Ion Ratio Lower Upper
180 100
182 78.8 46.8 140.3
145 83.5 16.9 50.6#

