

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF112718\
 Data File : VF060841.D
 Acq On : 27 Nov 2018 16:27
 Operator : VA/AP
 Sample : J6074-03RE
 Misc : 5.05g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 002-WC-NY6RE

Quant Time: Nov 28 03:09:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	0.00	168	0	0.00	ug/l	-4.91
34) 1,4-Difluorobenzene	5.64	114	66	50.00	ug/l	0.00
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-9.81
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.57

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	69	0.00	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	11.35	95	71	101.29	ug/l	-0.09
Spiked Amount	50.000		Recovery	=	202.58%	

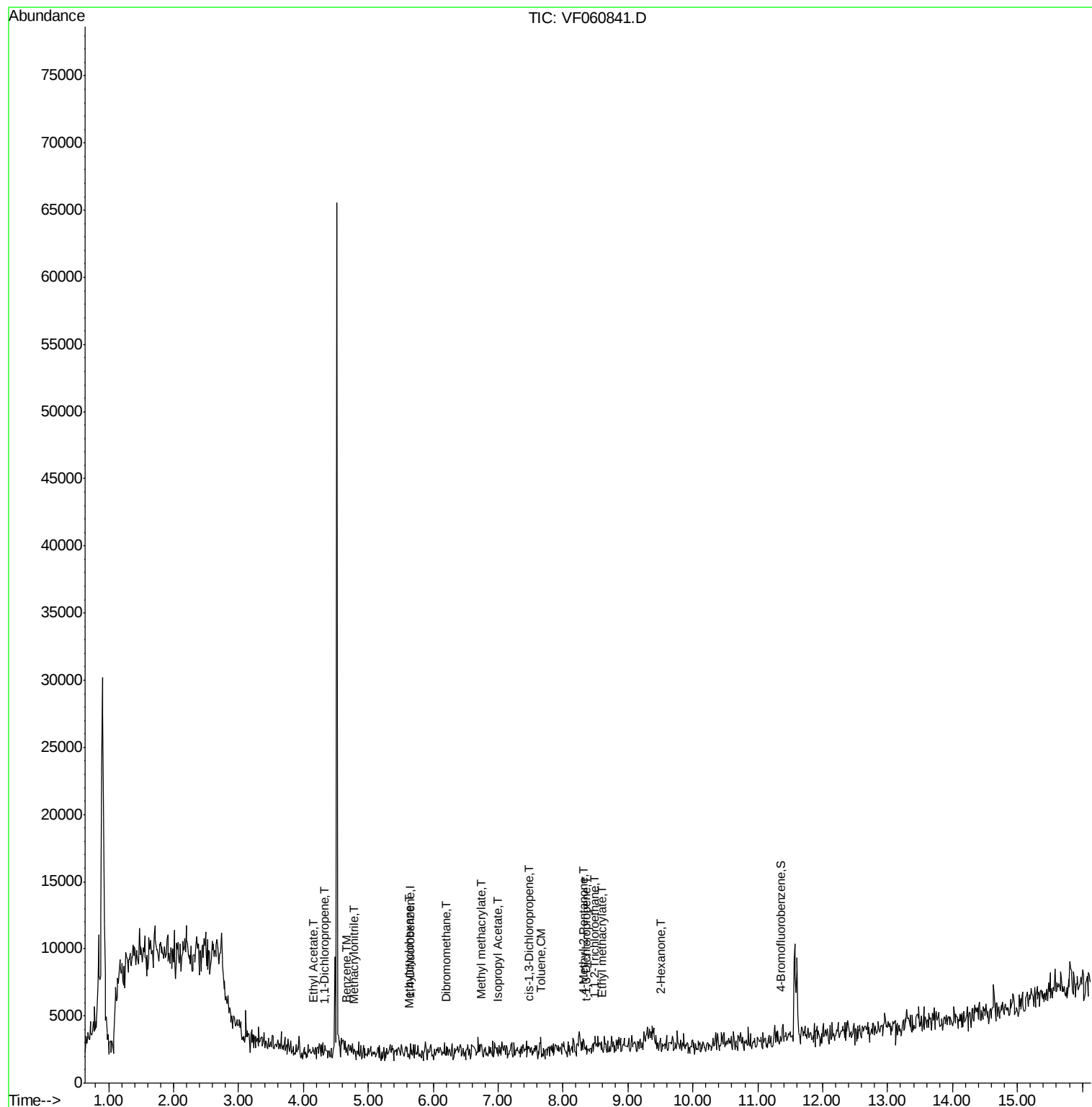
Target Compounds						Qvalue
36) 1,1-Dichloropropene	4.32	75	69	94.26	ug/l #	44
37) Ethyl Acetate	4.15	43	375	1260.56	ug/l #	14
39) Methylcyclohexane	5.63	83	81	105.58	ug/l #	13
40) Benzene	4.66	78	67	41.43	ug/l #	52
41) Methacrylonitrile	4.79	41	112	784.12	ug/l #	39
43) Isopropyl Acetate	6.98	43	98	279.48	ug/l #	49
46) Dibromomethane	6.20	93	63	221.11	ug/l #	6
48) Methyl methacrylate	6.73	41	553	2053.65	ug/l #	45
51) 4-Methyl-2-Pentanone	8.31	43	357	1301.36	ug/l #	38
52) Toluene	7.65	92	70	61.62	ug/l #	1
53) t-1,3-Dichloropropene	8.37	75	61	99.10	ug/l #	40
54) cis-1,3-Dichloropropene	7.48	75	71	93.17	ug/l #	26
55) 1,1,2-Trichloroethane	8.48	97	63	190.33	ug/l #	15
56) Ethyl methacrylate	8.59	69	65	176.77	ug/l #	17
59) 2-Hexanone	9.51	43	345	1792.59	ug/l #	27

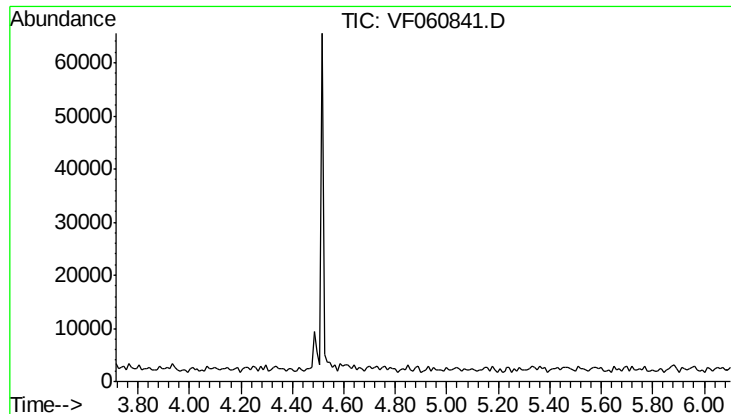
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 0.00 ug/l

Expected RT: 4.91 min

Lab File: VF060841.D

Acq: 27 Nov 2018 16:27

Instrument :

MSVOA_F

ClientSampleId :

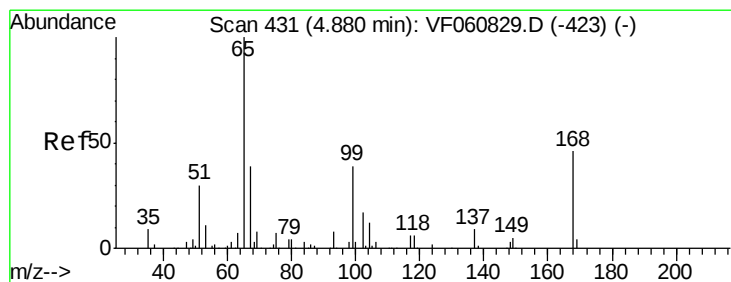
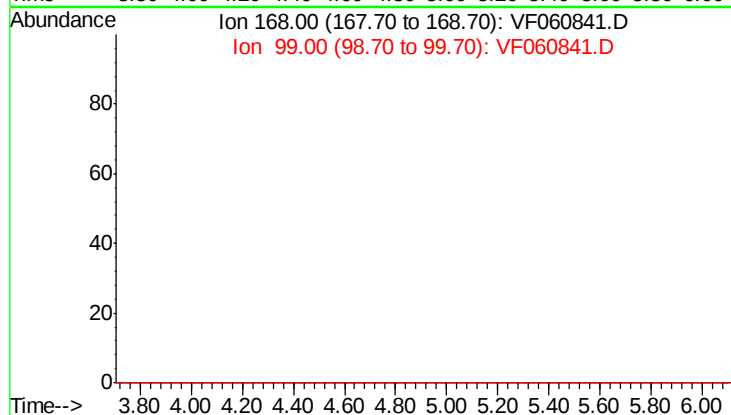
002-WC-NY6RE

Tgt Ion: 168

Sig Exp Ratio

168 100

99 65.8



#33

1,2-Dichloroethane-d4

Concen: 0.00 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.02 min

Lab File: VF060841.D

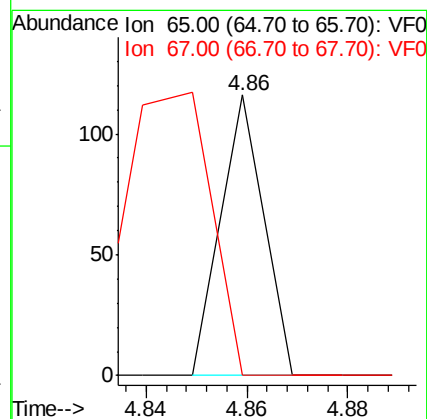
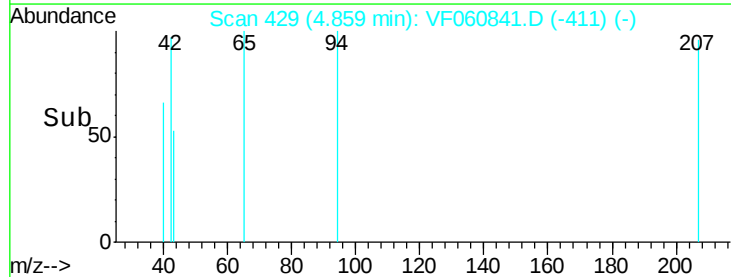
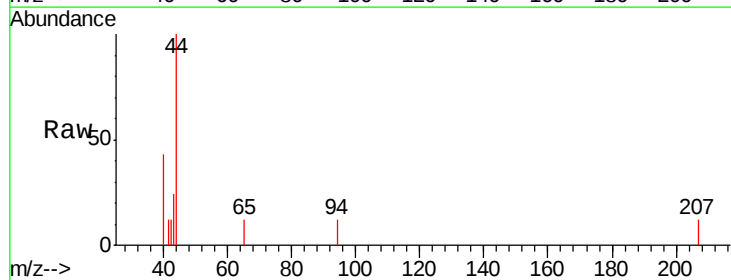
Acq: 27 Nov 2018 16:27

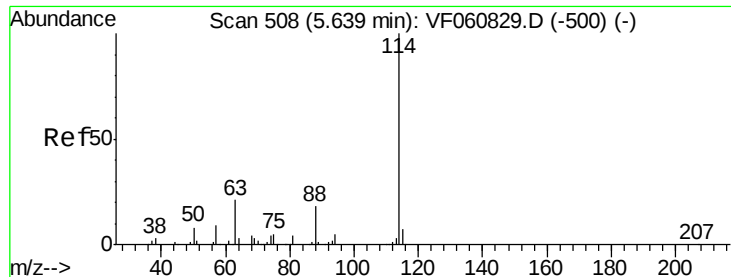
Tgt Ion: 65 Resp: 69

Ion Ratio Lower Upper

65 100

67 0.0 0.0 96.4





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 508

Delta R.T. -0.00 min

Lab File: VF060841.D

Acq: 27 Nov 2018 16:27

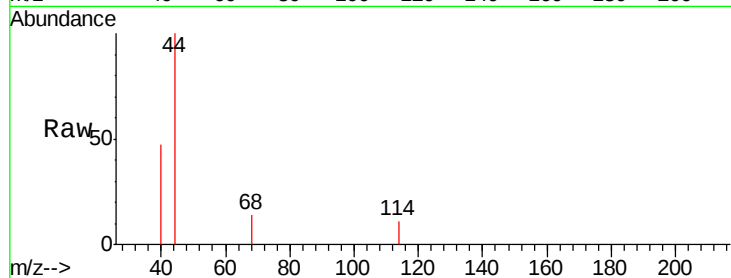
Instrument :

MSVOA_F

ClientSampleId :

002-WC-NY6RE

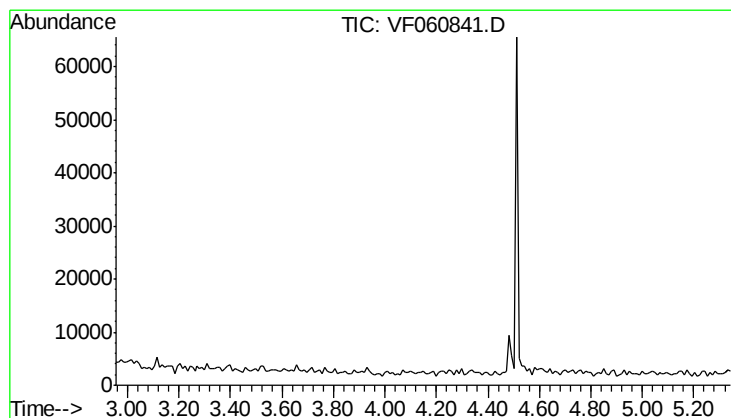
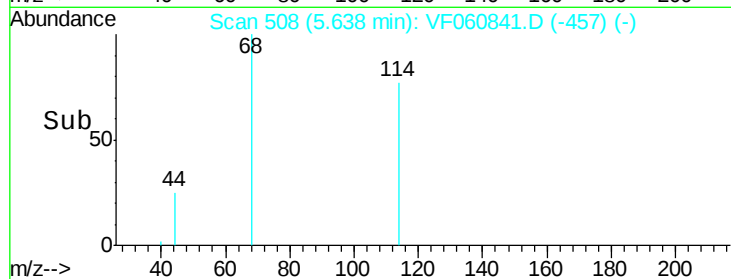
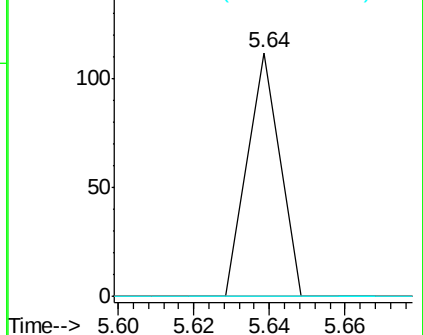
Tgt Ion:	114	Resp:	66
Ion	Ratio	Lower	Upper
114	100		
63	0.0	0.0	41.6
88	0.0	0.0	36.6



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

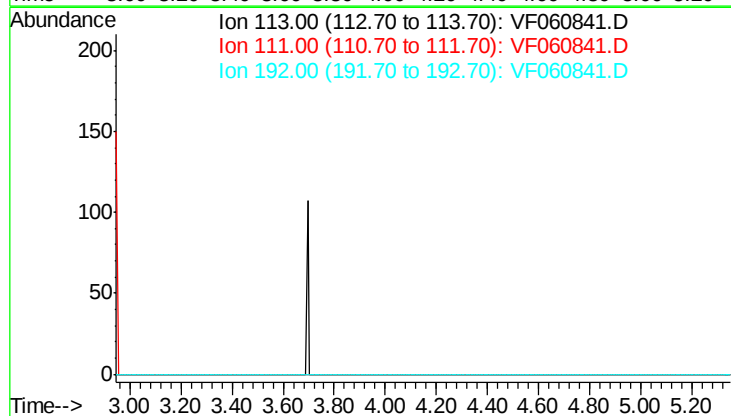
Concen: 0.00 ug/l

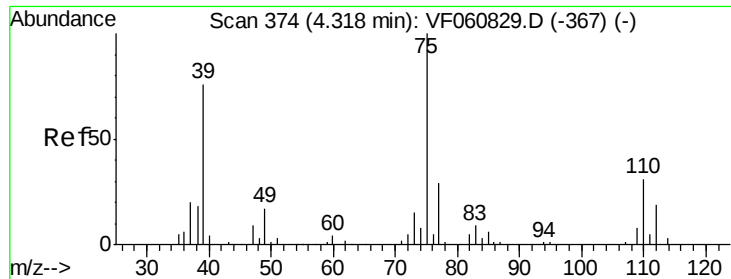
Expected RT: 4.15 min

Lab File: VF060841.D

Acq: 27 Nov 2018 16:27

Tgt Ion:	113
Sig	Exp Ratio
113	100
111	103.8
192	15.4





#36

1,1-Dichloropropene

Concen: 94.26 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.00 min

Lab File: VF060841.D

Acq: 27 Nov 2018 16:27

Instrument :

MSVOA_F

ClientSampleId :

002-WC-NY6RE

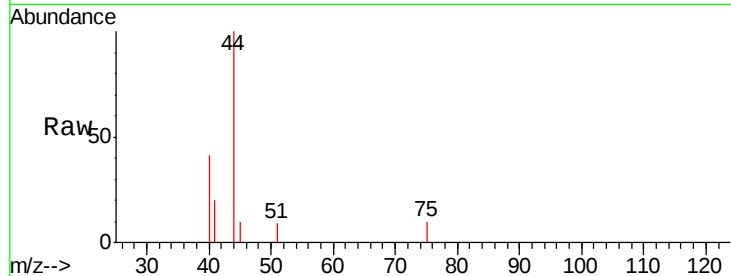
Tgt Ion: 75 Resp: 69

Ion Ratio Lower Upper

75 100

110 0.0 15.6 46.8#

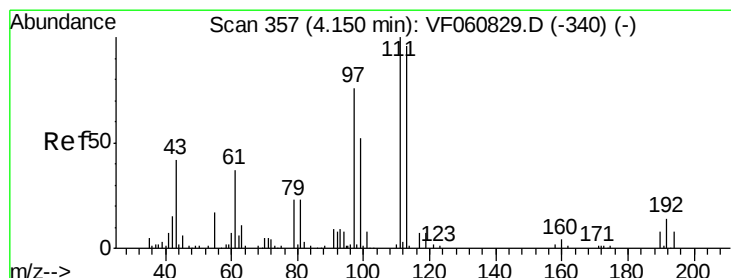
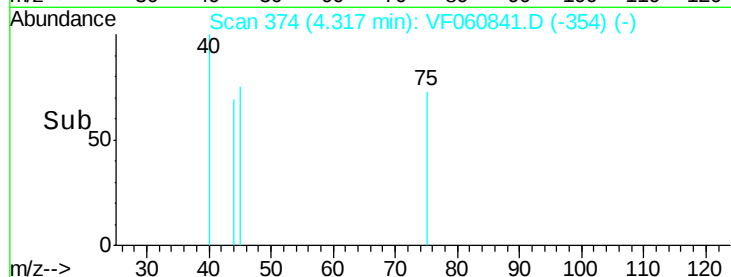
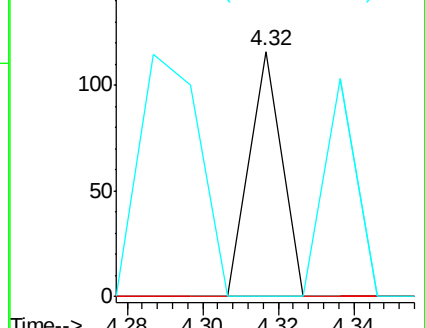
77 0.0 23.4 35.0#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#37

Ethyl Acetate

Concen: 1260.56 ug/l

RT: 4.15 min Scan# 357

Delta R.T. -0.00 min

Lab File: VF060841.D

Acq: 27 Nov 2018 16:27

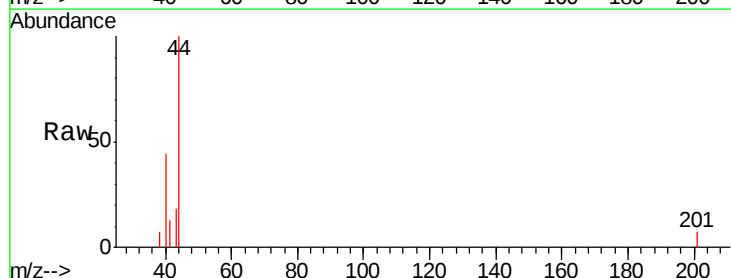
Tgt Ion: 43 Resp: 375

Ion Ratio Lower Upper

43 100

61 0.0 68.6 103.0#

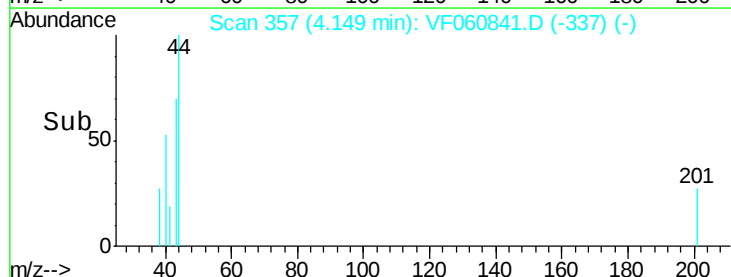
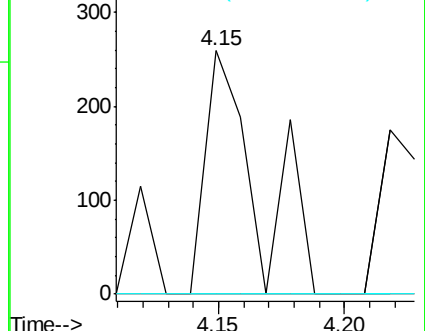
70 0.0 9.0 13.4#

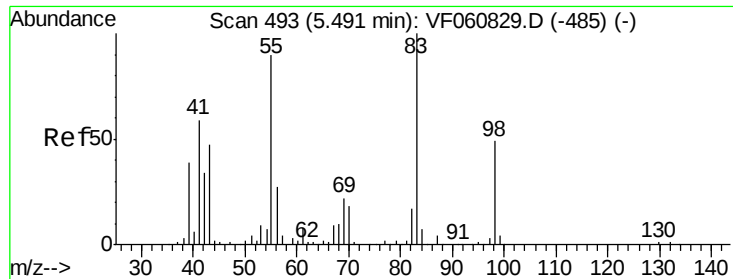


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

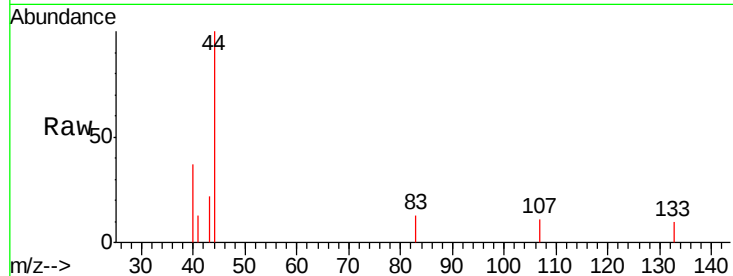




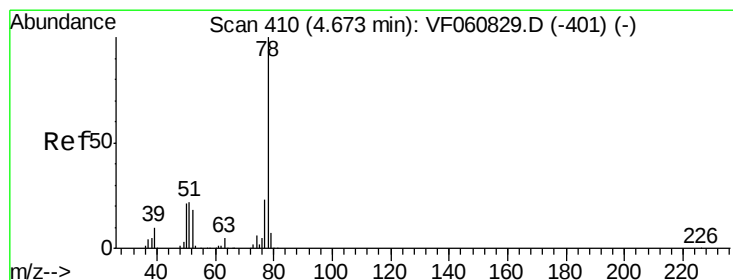
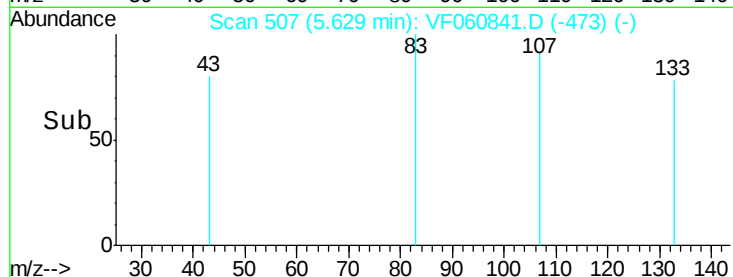
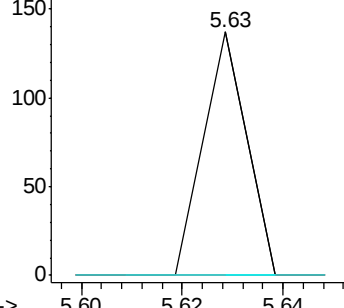
#39
Methylcyclohexane
Concen: 105.58 ug/l
RT: 5.63 min Scan# 507
Delta R.T. 0.14 min
Lab File: VF060841.D
Acq: 27 Nov 2018 16:27

Instrument :
MSVOA_F
ClientSampleId :
002-WC-NY6RE

Tgt Ion: 83 Resp: 81
Ion Ratio Lower Upper
83 100
55 0.0 72.1 108.1#
98 0.0 39.1 58.7#

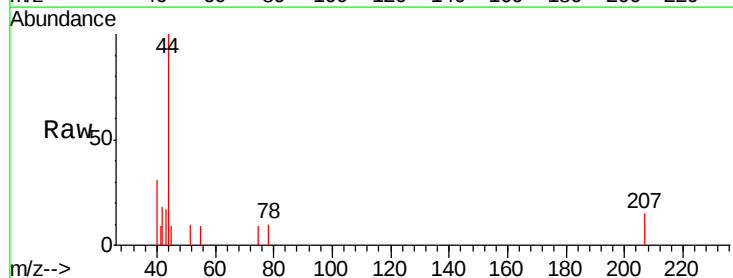


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

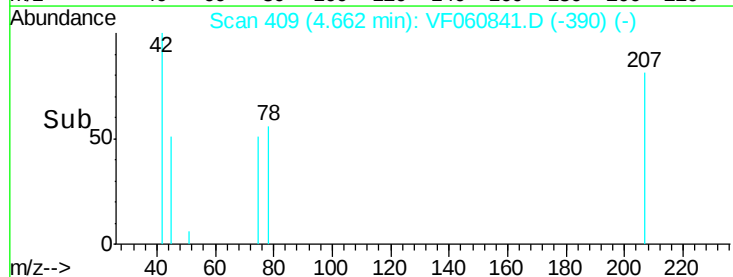
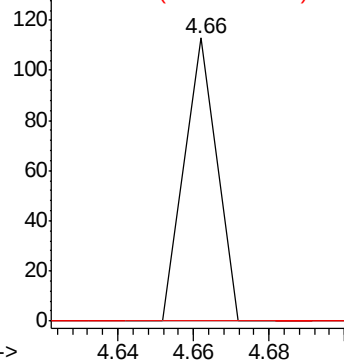


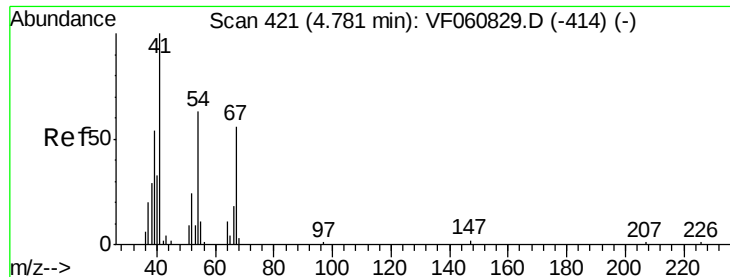
#40
Benzene
Concen: 41.43 ug/l
RT: 4.66 min Scan# 409
Delta R.T. -0.01 min
Lab File: VF060841.D
Acq: 27 Nov 2018 16:27

Tgt Ion: 78 Resp: 67
Ion Ratio Lower Upper
78 100
77 0.0 18.7 28.1#



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





#41

Methacrylonitrile

Concen: 784.12 ug/l

RT: 4.79 min Scan# 422

Delta R.T. 0.01 min

Lab File: VF060841.D

Acq: 27 Nov 2018 16:27

Instrument :

MSVOA_F

ClientSampleId :

002-WC-NY6RE

Tgt Ion: 41 Resp: 112

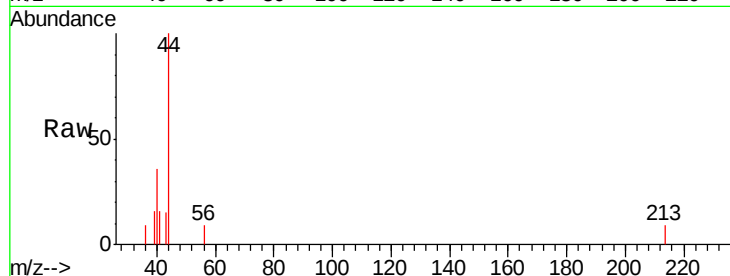
Ion Ratio Lower Upper

41 100

39 100.0 53.0 79.6#

67 0.0 43.8 65.6#

52 0.0 37.8 56.8#



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

300

200

100

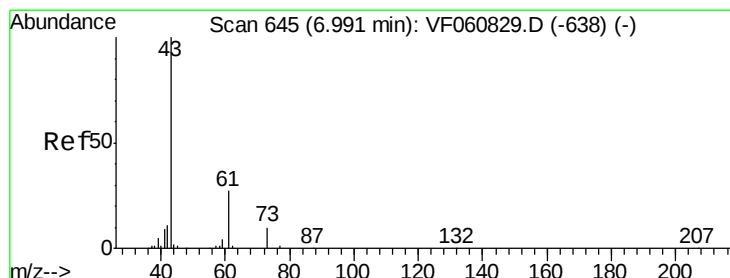
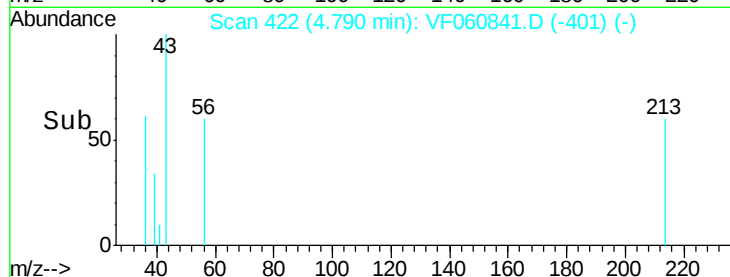
0

4.78

4.80

4.82

Time-->



#43

Isopropyl Acetate

Concen: 279.48 ug/l

RT: 6.98 min Scan# 644

Delta R.T. -0.01 min

Lab File: VF060841.D

Acq: 27 Nov 2018 16:27

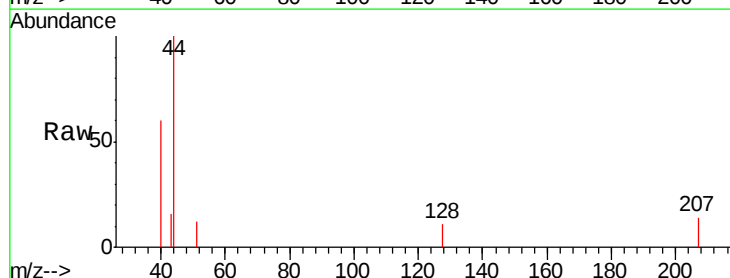
Tgt Ion: 43 Resp: 98

Ion Ratio Lower Upper

43 100

61 0.0 21.4 32.0#

87 0.0 0.2 0.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

200

150

100

50

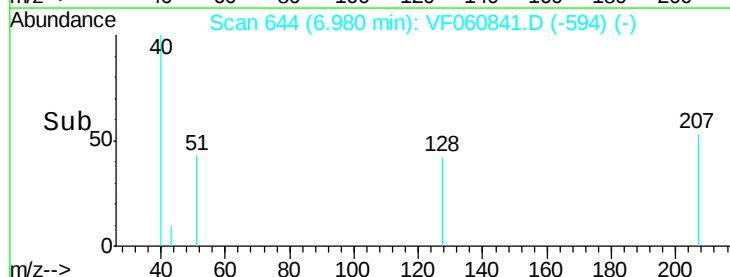
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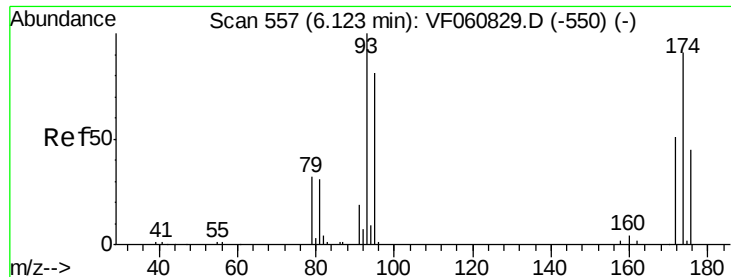
6.97

6.98

6.99

Time-->

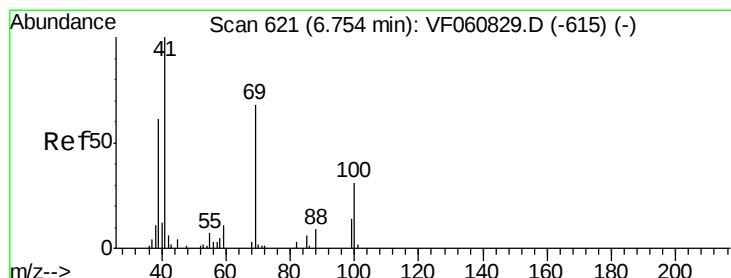
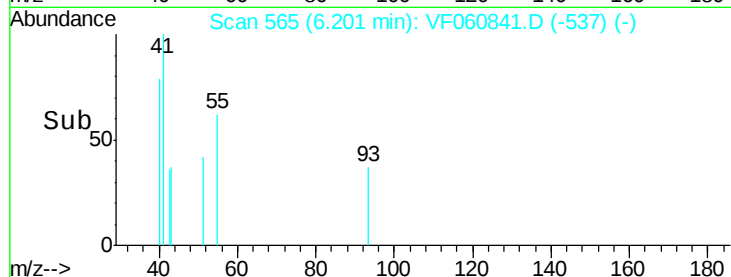
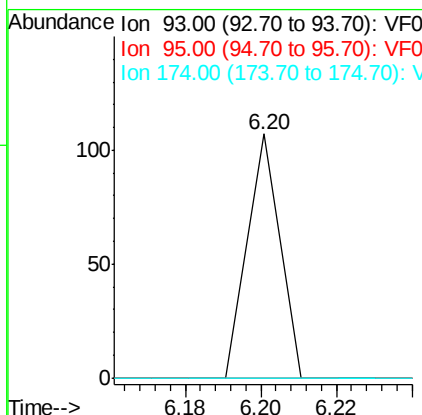
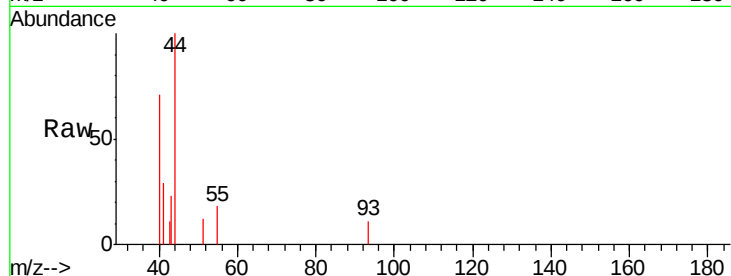




#46
 Dibromomethane
 Concen: 221.11 ug/l
 RT: 6.20 min Scan# 565
 Delta R.T. 0.08 min
 Lab File: VF060841.D
 Acq: 27 Nov 2018 16:27

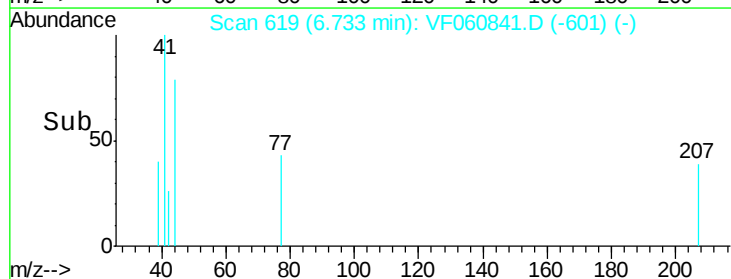
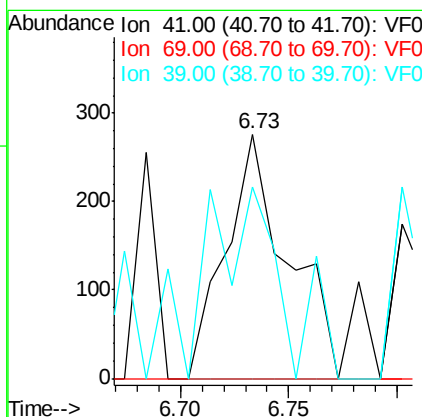
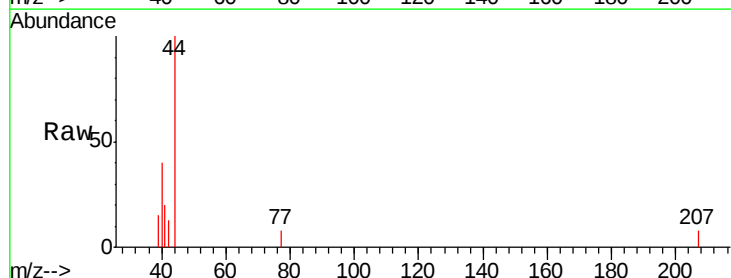
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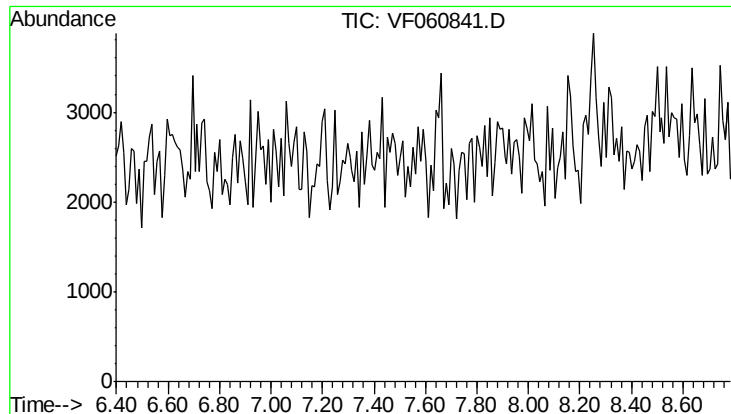
Tgt Ion: 93 Resp: 63
 Ion Ratio Lower Upper
 93 100
 95 0.0 64.7 97.1#
 174 0.0 73.0 109.6#



#48
 Methyl methacrylate
 Concen: 2053.65 ug/l
 RT: 6.73 min Scan# 619
 Delta R.T. -0.02 min
 Lab File: VF060841.D
 Acq: 27 Nov 2018 16:27

Tgt Ion: 41 Resp: 553
 Ion Ratio Lower Upper
 41 100
 69 0.0 53.9 80.9#
 39 78.6 49.0 73.6#





#50

Toluene-d8

Concen: 0.00 ug/l

Expected RT: 7.59 min

Lab File: VF060841.D

Acq: 27 Nov 2018 16:27

Tgt Ion: 98

Sig Exp Ratio

98 100

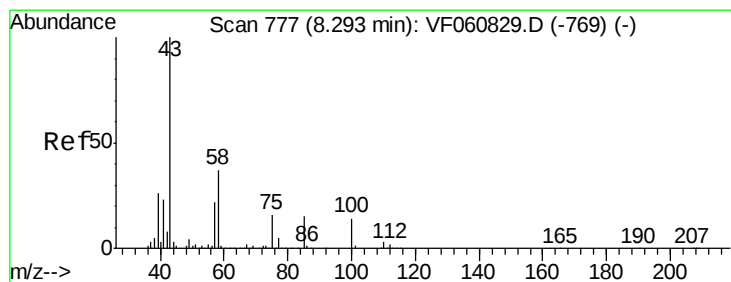
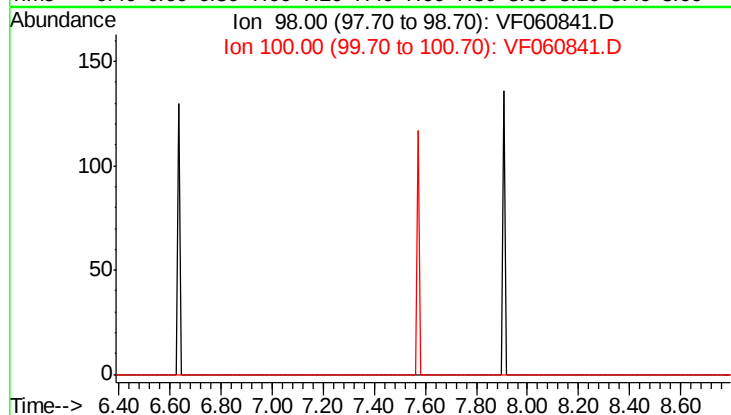
100 74.1

Instrument :

MSVOA_F

ClientSampleId :

002-WC-NY6RE



#51

4-Methyl-2-Pentanone

Concen: 1301.36 ug/l

RT: 8.31 min Scan# 779

Delta R.T. 0.02 min

Lab File: VF060841.D

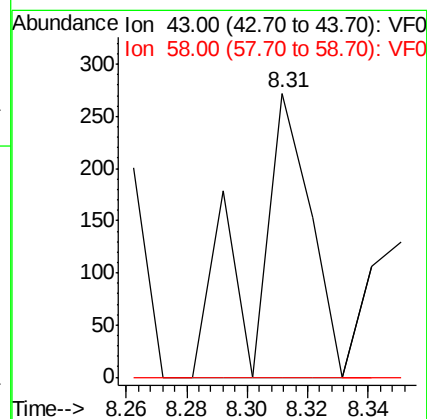
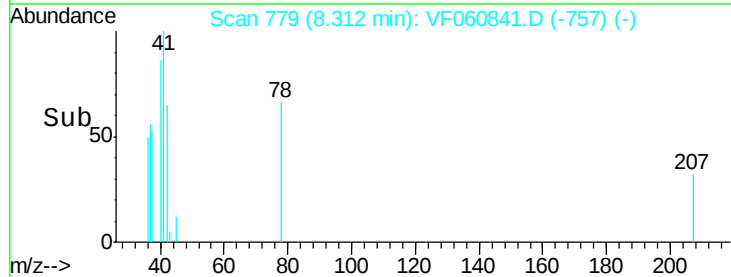
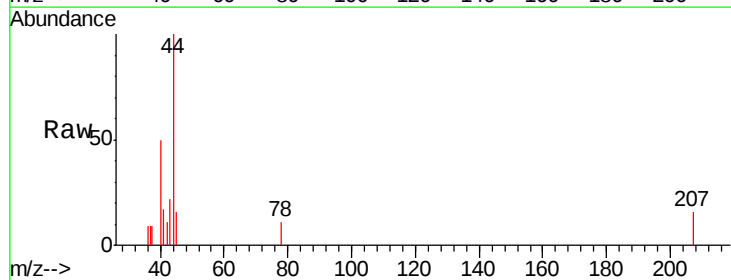
Acq: 27 Nov 2018 16:27

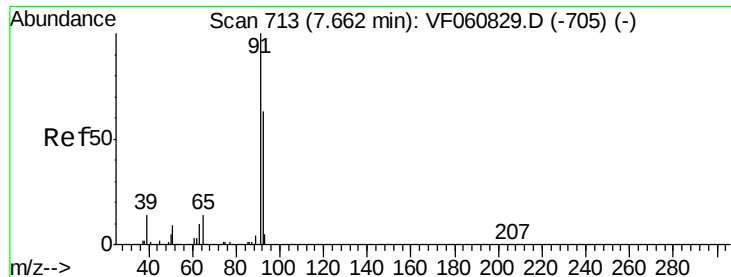
Tgt Ion: 43 Resp: 357

Ion Ratio Lower Upper

43 100

58 0.0 29.7 44.5#





#52

Toluene

Concen: 61.62 ug/l

RT: 7.65 min Scan# 712

Delta R.T. -0.01 min

Lab File: VF060841.D

Acq: 27 Nov 2018 16:27

Instrument :

MSVOA_F

ClientSampleId :

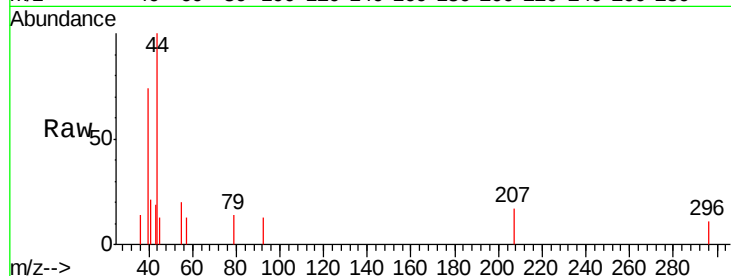
002-WC-NY6RE

Tgt Ion: 92 Resp: 70

Ion Ratio Lower Upper

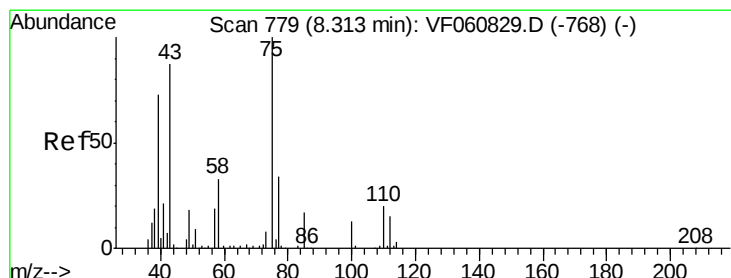
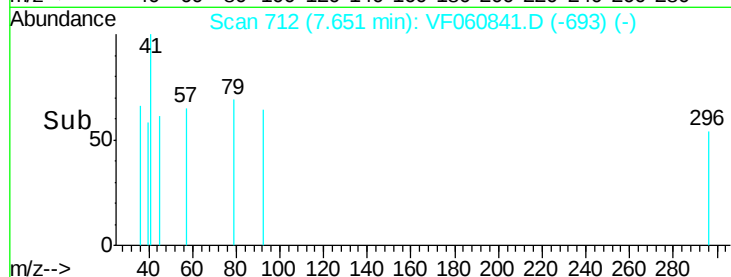
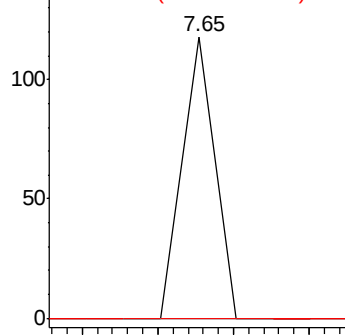
92 100

91 0.0 126.2 189.2#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#53

t-1,3-Dichloropropene

Concen: 99.10 ug/l

RT: 8.37 min Scan# 785

Delta R.T. 0.06 min

Lab File: VF060841.D

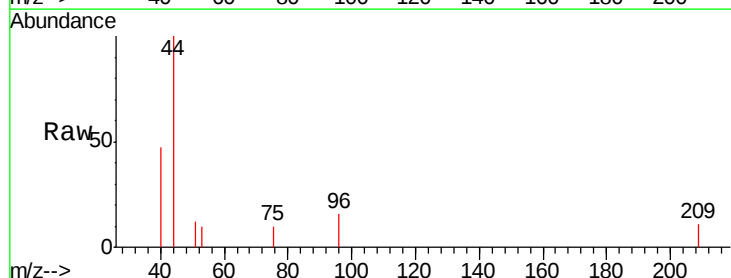
Acq: 27 Nov 2018 16:27

Tgt Ion: 75 Resp: 61

Ion Ratio Lower Upper

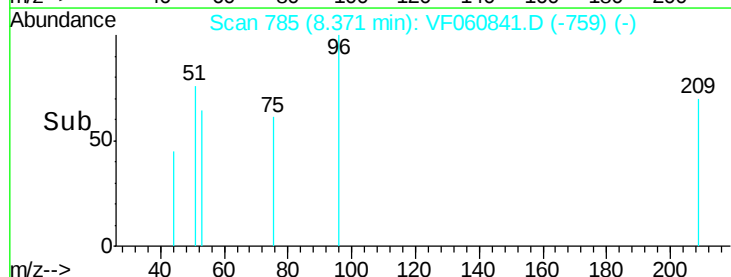
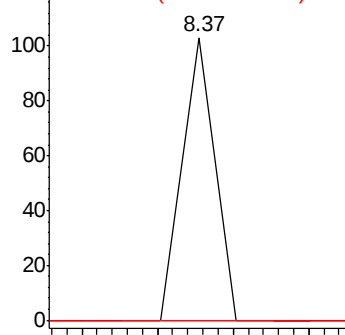
75 100

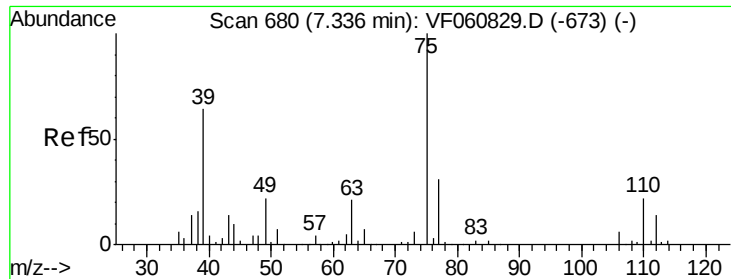
77 0.0 27.4 41.2#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#54

cis-1,3-Dichloropropene

Concen: 93.17 ug/l

RT: 7.48 min Scan# 695

Delta R.T. 0.15 min

Lab File: VF060841.D

Acq: 27 Nov 2018 16:27

Instrument :

MSVOA_F

ClientSampleId :

002-WC-NY6RE

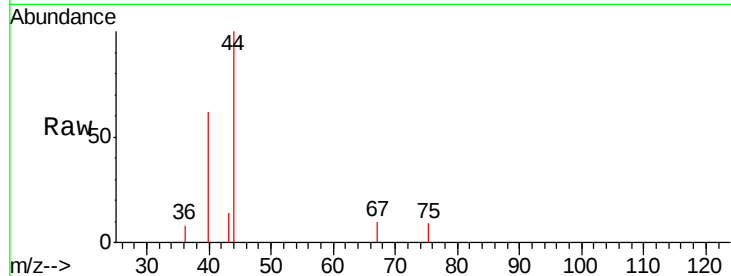
Tgt Ion: 75 Resp: 71

Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.6#

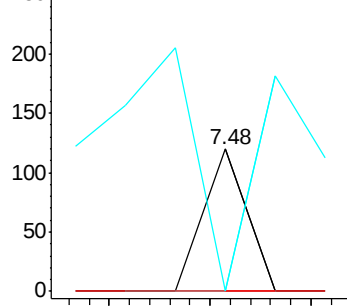
39 0.0 51.1 76.7#



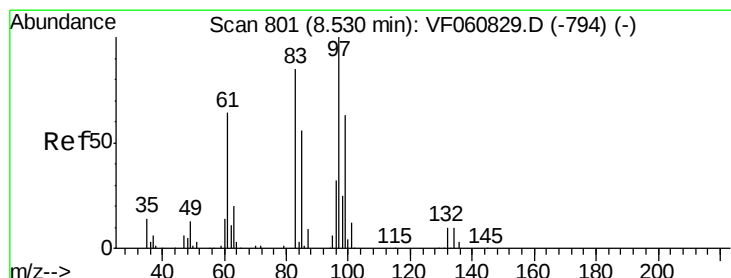
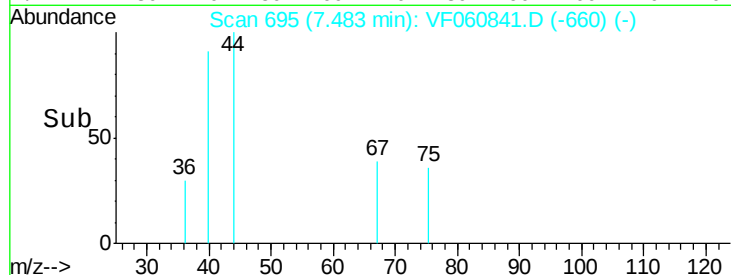
Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



Time-->



#55

1,1,2-Trichloroethane

Concen: 190.33 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.05 min

Lab File: VF060841.D

Acq: 27 Nov 2018 16:27

Tgt Ion: 97 Resp: 63

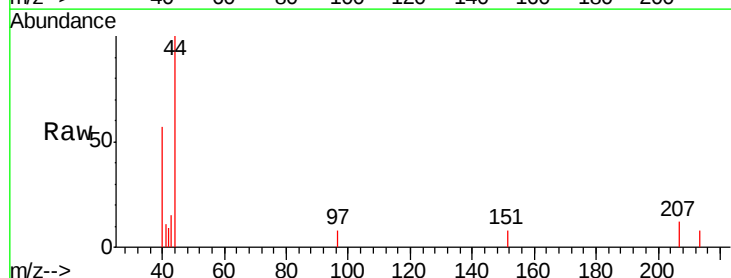
Ion Ratio Lower Upper

97 100

83 0.0 67.8 101.6#

85 0.0 45.0 67.6#

99 0.0 50.5 75.7#

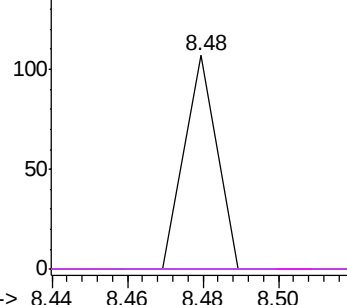


Abundance Ion 97.00 (96.70 to 97.70): VF0

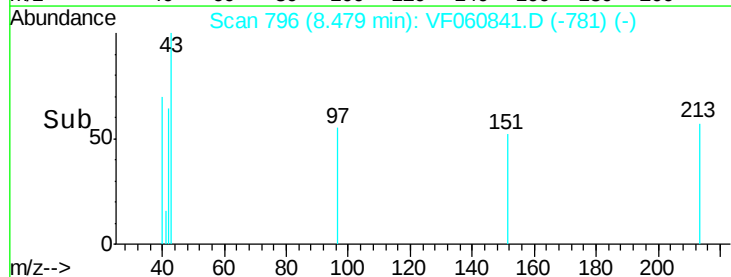
Ion 82.95 (82.65 to 83.65): VF0

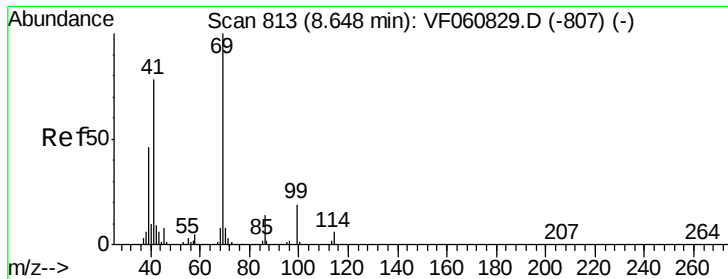
Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



Time-->





#56

Ethyl methacrylate

Concen: 176.77 ug/l

RT: 8.59 min Scan# 807

Delta R.T. -0.06 min

Lab File: VF060841.D

Acq: 27 Nov 2018 16:27

Instrument :

MSVOA_F

ClientSampleId :

002-WC-NY6RE

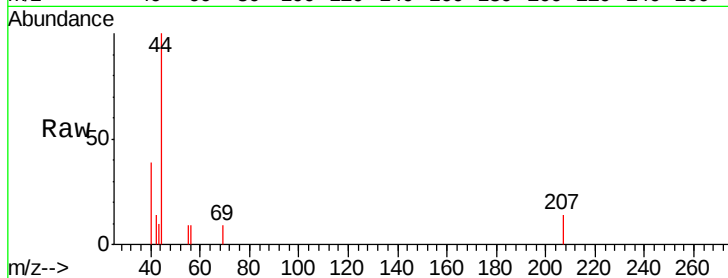
Tgt Ion: 69 Resp: 65

Ion Ratio Lower Upper

69 100

41 0.0 62.6 94.0#

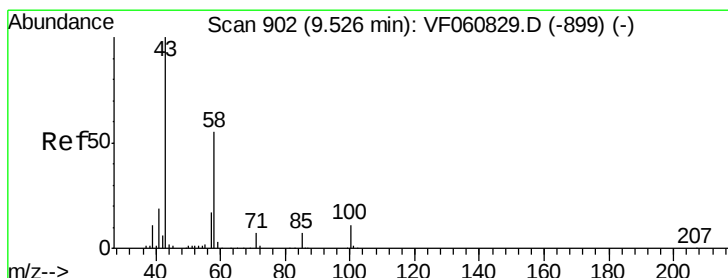
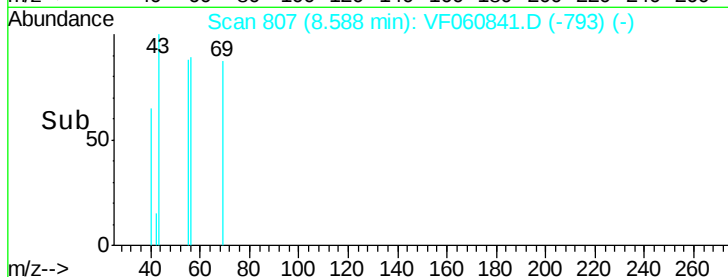
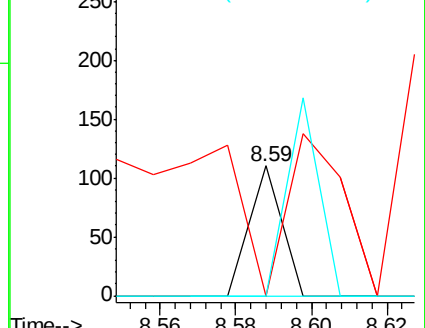
39 0.0 37.8 56.6#



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



#59

2-Hexanone

Concen: 1792.59 ug/l

RT: 9.51 min Scan# 900

Delta R.T. -0.02 min

Lab File: VF060841.D

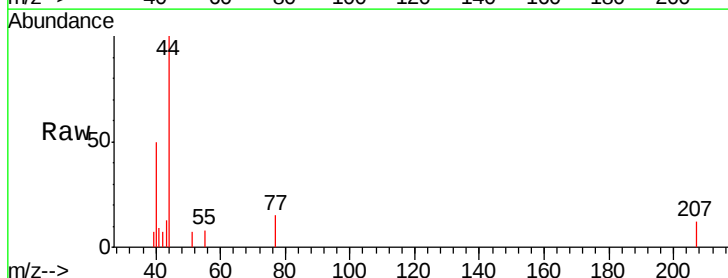
Acq: 27 Nov 2018 16:27

Tgt Ion: 43 Resp: 345

Ion Ratio Lower Upper

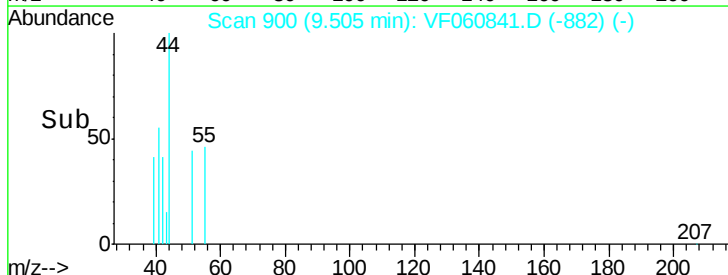
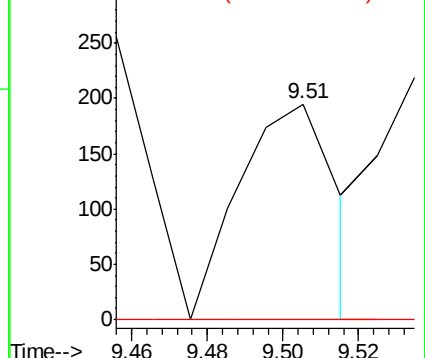
43 100

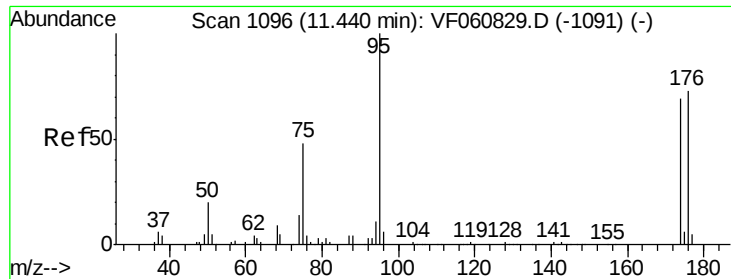
58 0.0 25.6 76.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 101.29 ug/l

RT: 11.35 min Scan# 1087

Delta R.T. -0.09 min

Lab File: VF060841.D

Acq: 27 Nov 2018 16:27

Instrument :

MSVOA_F

ClientSampleId :

002-WC-NY6RE

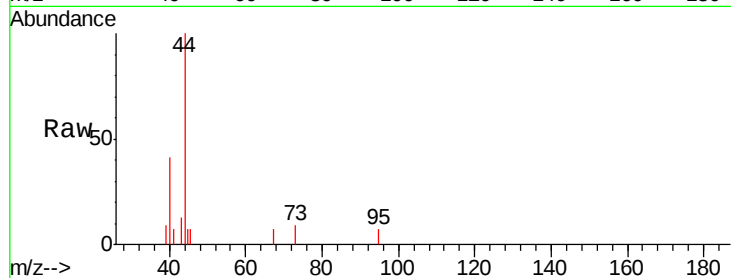
Tgt Ion: 95 Resp: 71

Ion Ratio Lower Upper

95 100

174 0.0 0.0 138.2

176 0.0 0.0 146.2



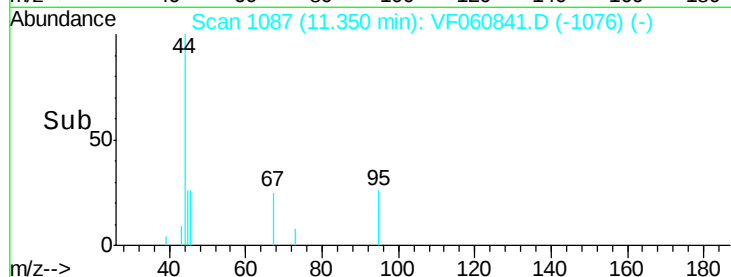
Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

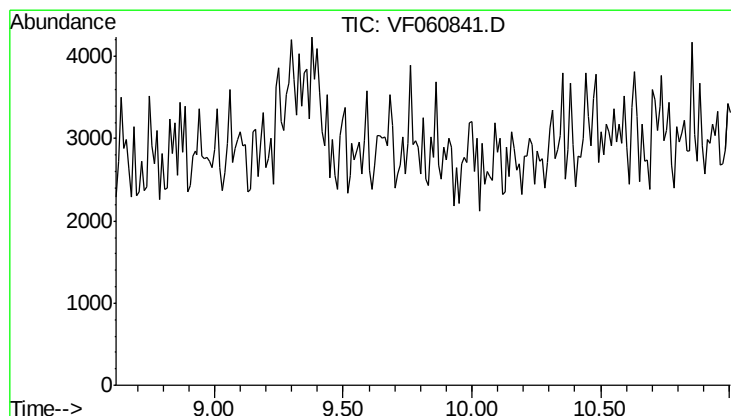
Ion 176.00 (175.70 to 176.70): V

11.35

11.32 11.34 11.36 11.38



Time-->



#63

Chlorobenzene-d5

Concen: 0.00 ug/l

Expected RT: 9.81 min

Lab File: VF060841.D

Acq: 27 Nov 2018 16:27

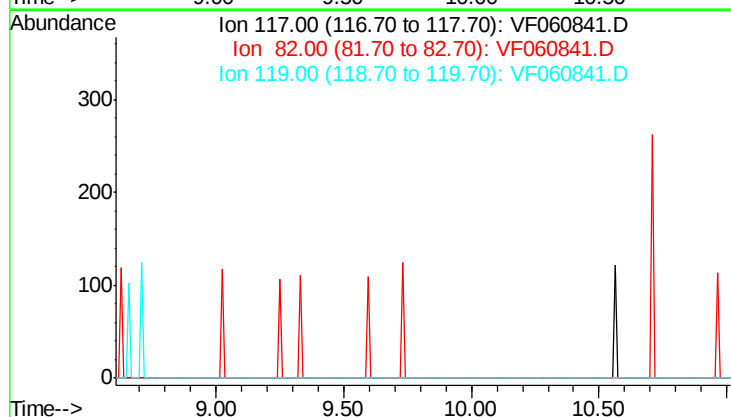
Tgt Ion: 117

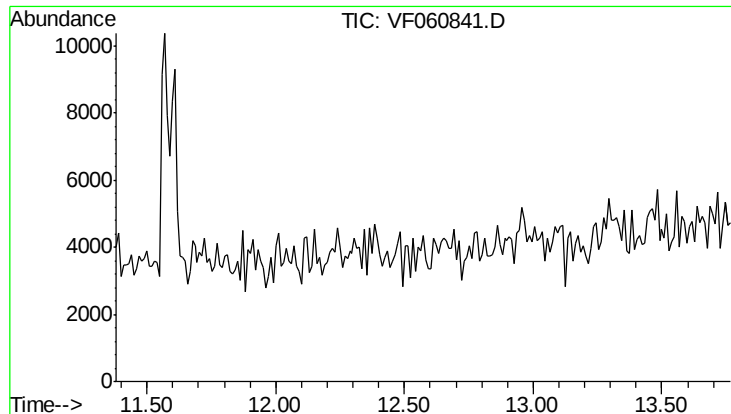
Sig Exp Ratio

117 100

82 58.2

119 33.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 0.00 ug/l
 Expected RT: 12.57 min
 Lab File: VF060841.D
 Acq: 27 Nov 2018 16:27

Instrument :
 MSVOA_F
 ClientSampleId :
 002-WC-NY6RE

Tgt Ion	Exp Ratio
152	100
115	60.3
150	163.8

