

Data File : VF060177.D
Acq On : 29 Aug 2018 5:59
Operator : VA/AP
Sample : J4621-06
Misc : 6.65g/5mL/MSVOA_F/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
SP-2

Quant Time: Aug 29 07:26:39 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082918S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 29 03:22:03 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	-5.02
34) 1,4-Difluorobenzene	5.70	114	65	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.84	117	66	50.00	ug/l	-0.07
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.62

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.00	65	0	0.00	ug/l	
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	0.00	95	0	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	

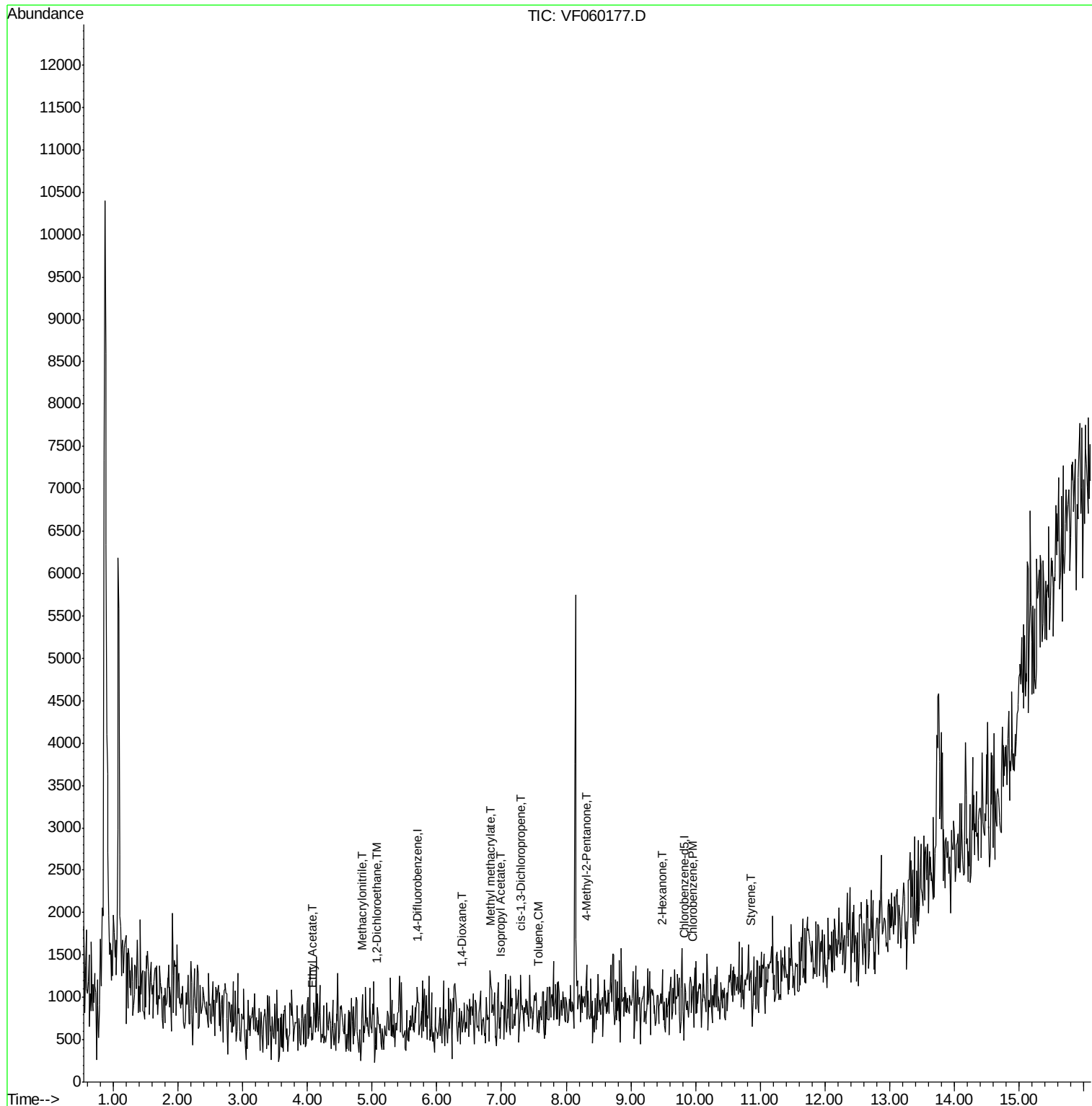
Target Compounds				Qvalue		
37) Ethyl Acetate	4.07	43	63	487.786	ug/l #	1
41) Methacrylonitrile	4.85	41	142	2264.581	ug/l #	29
42) 1,2-Dichloroethane	5.09	62	73	165.998	ug/l	81
43) Isopropyl Acetate	6.99	43	66	473.650	ug/l #	48
48) Methyl methacrylate	6.82	41	159	1508.397	ug/l #	68
49) 1,4-Dioxane	6.39	88	79	97607.974	ug/l #	19
51) 4-Methyl-2-Pentanone	8.32	43	75	616.100	ug/l #	36
52) Toluene	7.57	92	62	65.710	ug/l #	59
54) cis-1,3-Dichloropropene	7.31	75	71	151.698	ug/l #	21
59) 2-Hexanone	9.49	43	125	1462.895	ug/l #	36
65) Chlorobenzene	9.95	112	60	45.314	ug/l #	43
70) Styrene	10.87	104	72	65.904	ug/l #	28

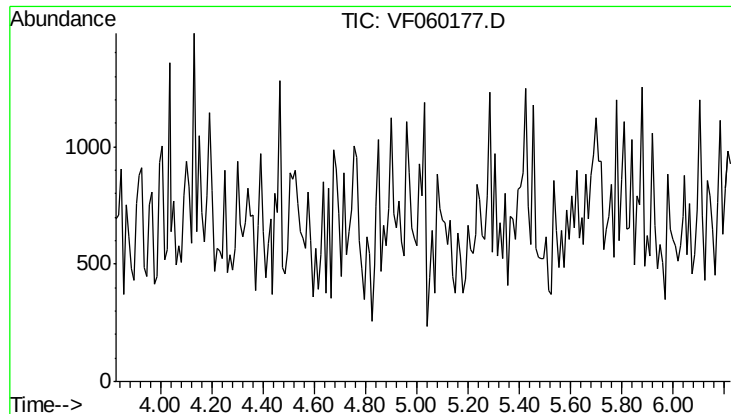
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 0.000 ug/l

Expected RT: 5.02 min

Lab File: VF060177.D

Acq: 29 Aug 2018 5:59

Tgt Ion: 168

Sig Exp Ratio

168 100

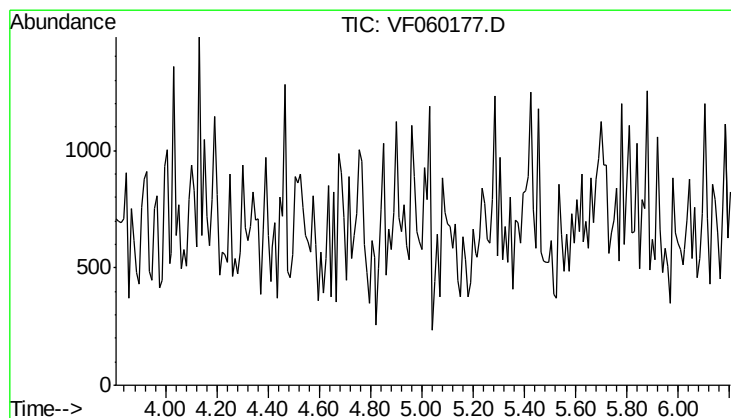
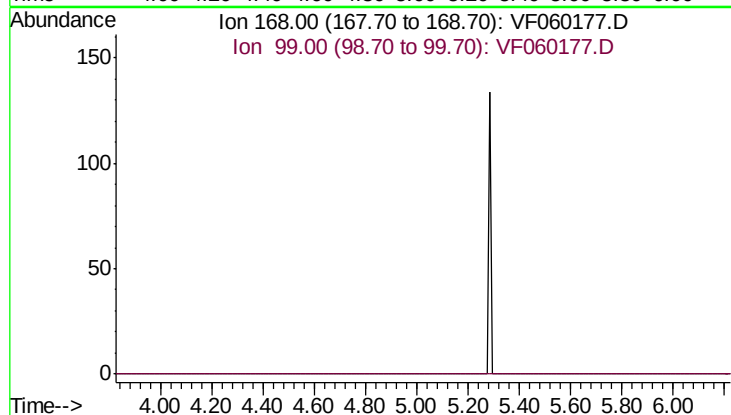
99 72.4

Instrument :

MSVOA_F

ClientSampleId :

SP-2



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 5.01 min

Lab File: VF060177.D

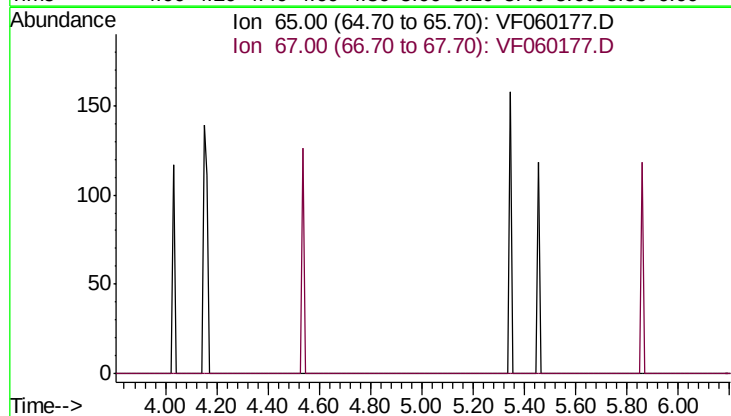
Acq: 29 Aug 2018 5:59

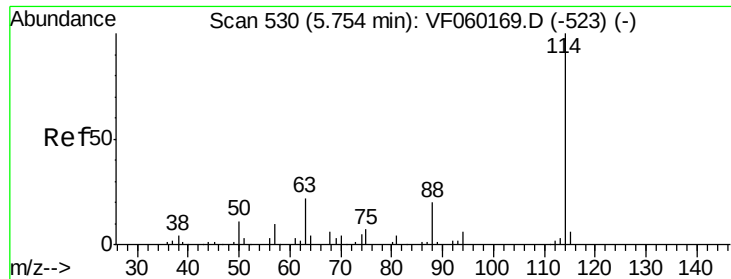
Tgt Ion: 65

Sig Exp Ratio

65 100

67 46.3





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.70 min Scan# 524

Delta R.T. -0.05 min

Lab File: VF060177.D

Acq: 29 Aug 2018 5:59

Instrument :

MSVOA_F

ClientSampleId :

SP-2

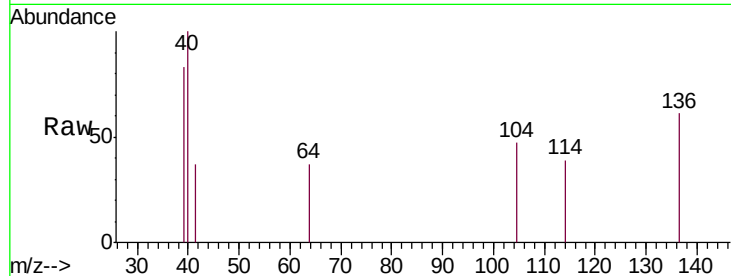
Tgt Ion:114 Resp: 65

Ion Ratio Lower Upper

114 100

63 0.0 0.0 45.8

88 0.0 0.0 40.2

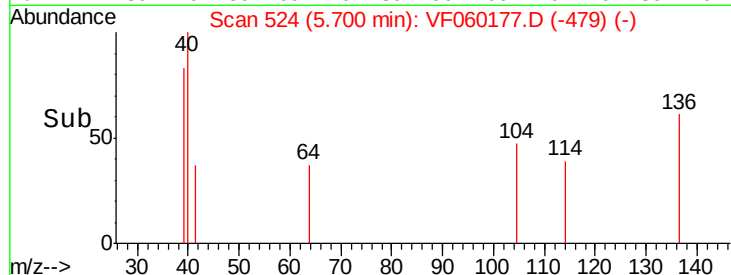


Abundance Ion 114.00 (113.70 to 114.70): V

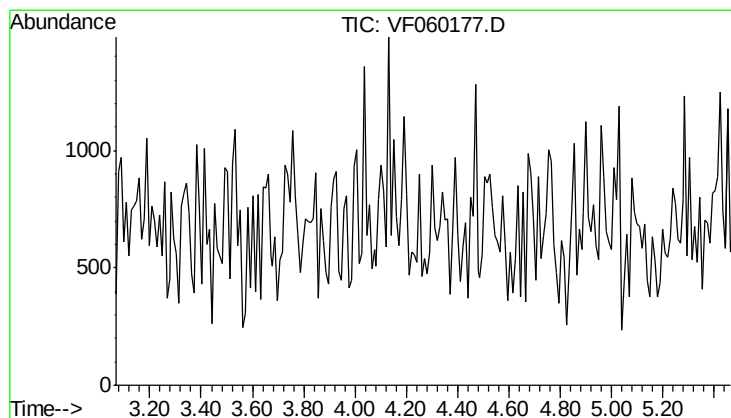
Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

Time-->



Time-->



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 4.27 min

Lab File: VF060177.D

Acq: 29 Aug 2018 5:59

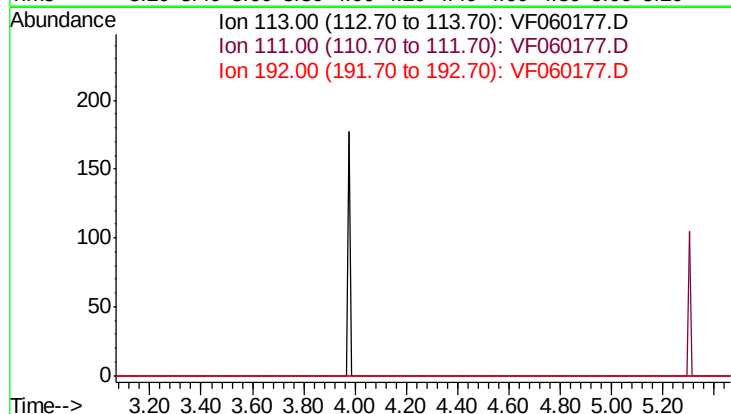
Tgt Ion: 113

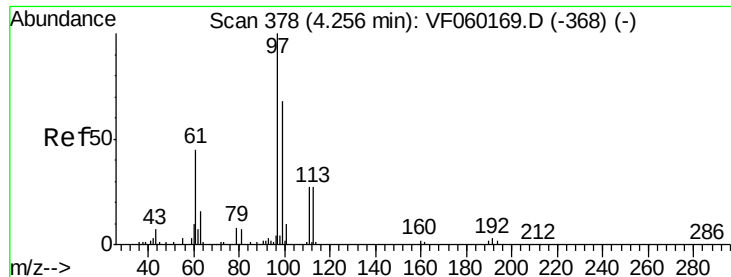
Sig Exp Ratio

113 100

111 94.4

192 15.6

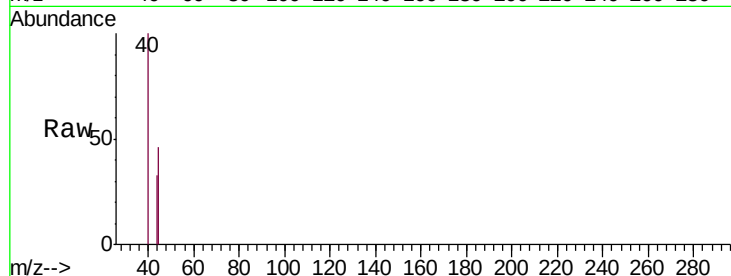




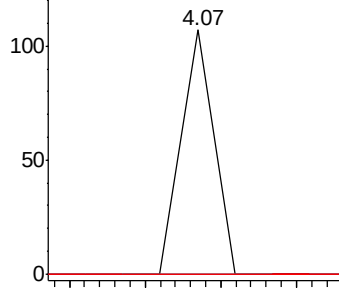
#37
 Ethyl Acetate
 Concen: 487.786 ug/l
 RT: 4.07 min Scan# 359
 Delta R.T. -0.18 min
 Lab File: VF060177.D
 Acq: 29 Aug 2018 5:59

Instrument :
 MSVOA_F
 ClientSampled :
 SP-2

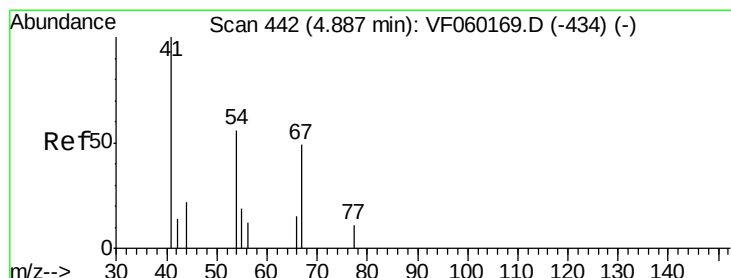
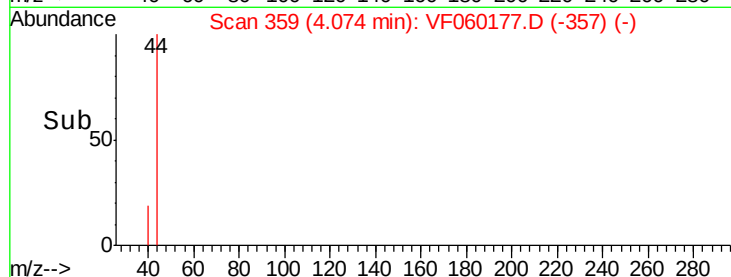
Tgt Ion: 43 Resp: 63
 Ion Ratio Lower Upper
 43 100
 61 0.0 517.6 776.4#
 70 0.0 15.4 23.2#



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

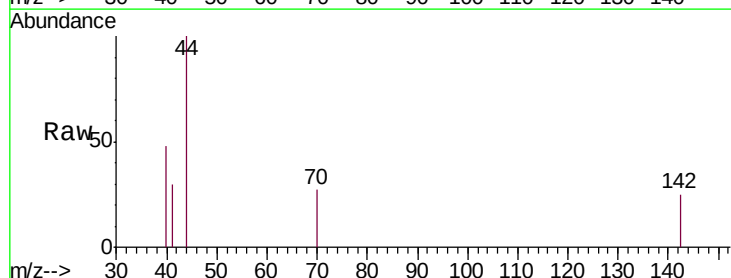


Time-->

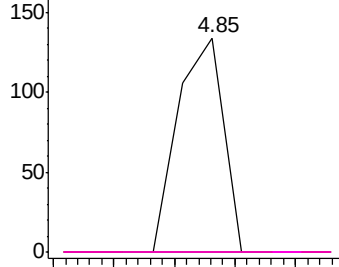


#41
 Methacrylonitrile
 Concen: 2264.581 ug/l
 RT: 4.85 min Scan# 438
 Delta R.T. -0.03 min
 Lab File: VF060177.D
 Acq: 29 Aug 2018 5:59

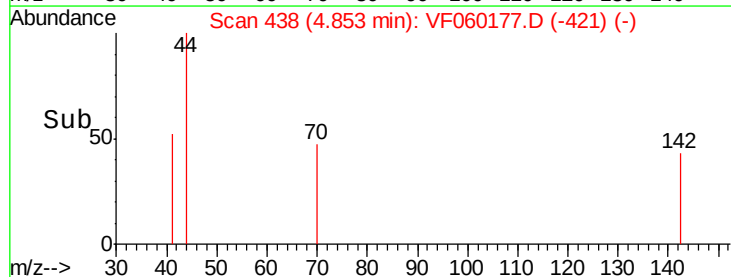
Tgt Ion: 41 Resp: 142
 Ion Ratio Lower Upper
 41 100
 39 0.0 45.0 67.6#
 67 0.0 39.5 59.3#
 52 0.0 28.5 42.7#

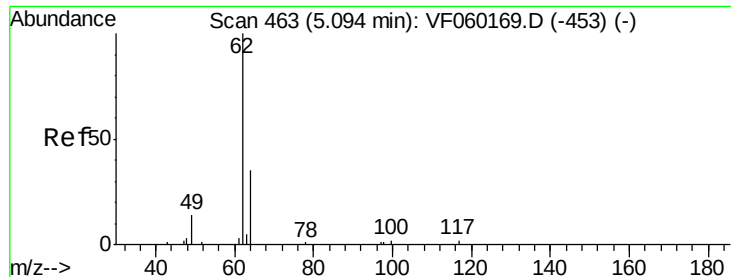


Abundance Ion 41.00 (40.70 to 41.70): VF0
 Ion 39.00 (38.70 to 39.70): VF0
 Ion 67.00 (66.70 to 67.70): VF0
 Ion 52.00 (51.70 to 52.70): VF0



Time-->





#42

1,2-Dichloroethane

Concen: 165.998 ug/l

RT: 5.09 min Scan# 462

Delta R.T. -0.00 min

Lab File: VF060177.D

Acq: 29 Aug 2018 5:59

Instrument :

MSVOA_F

ClientSampled :

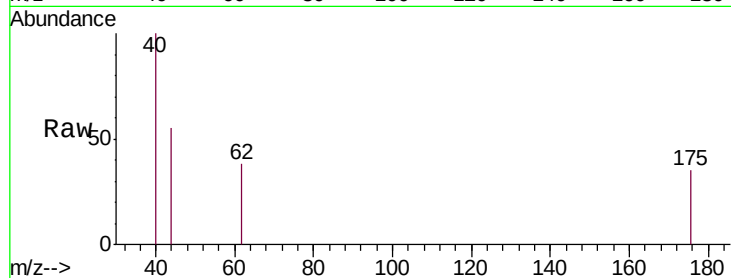
SP-2

Tgt Ion: 62 Resp: 73

Ion Ratio Lower Upper

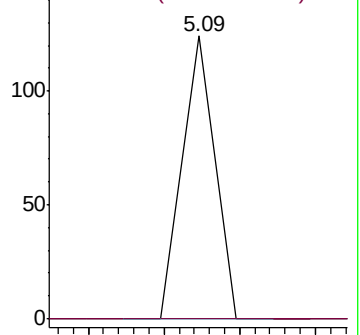
62 100

98 0.0 0.0 13.2

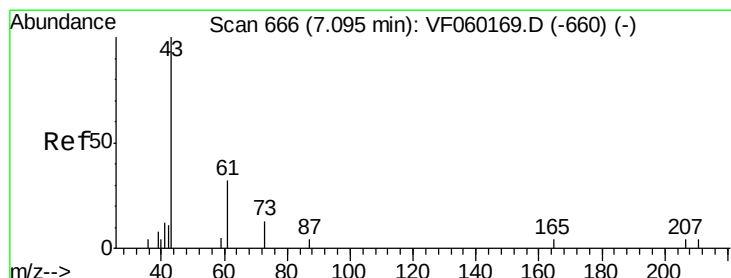
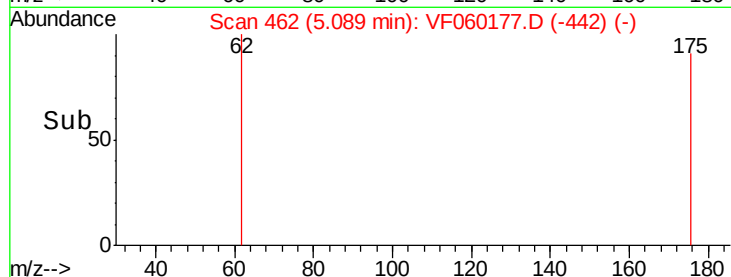


Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



Time-->



#43

Isopropyl Acetate

Concen: 473.650 ug/l

RT: 6.99 min Scan# 655

Delta R.T. -0.10 min

Lab File: VF060177.D

Acq: 29 Aug 2018 5:59

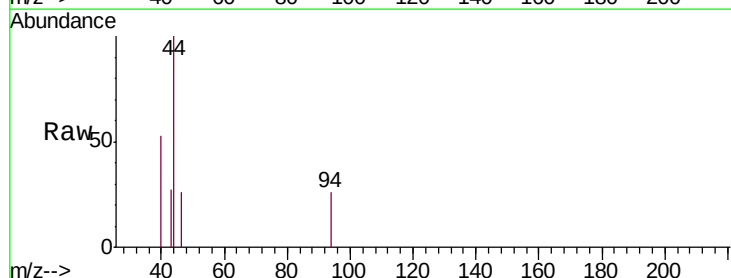
Tgt Ion: 43 Resp: 66

Ion Ratio Lower Upper

43 100

61 0.0 25.3 37.9#

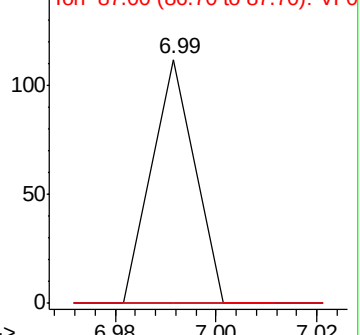
87 0.0 3.0 4.6#



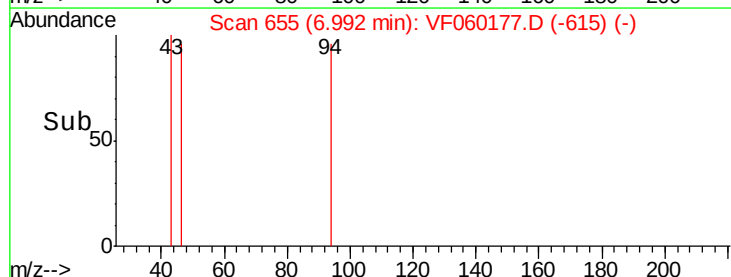
Abundance Ion 43.00 (42.70 to 43.70): VF0

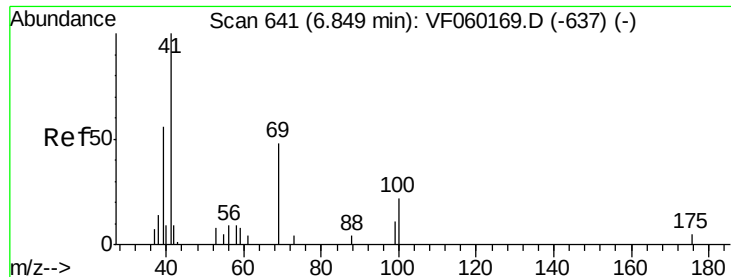
Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



Time-->

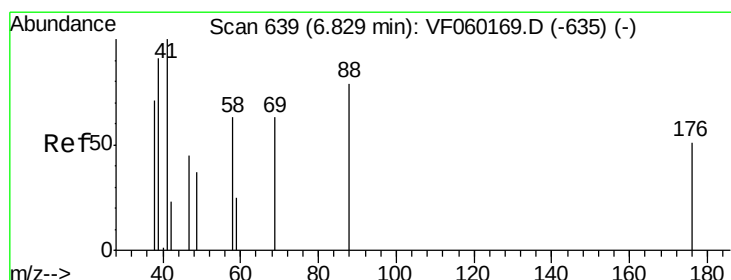
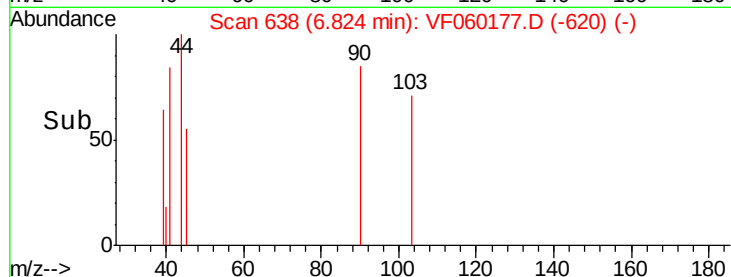
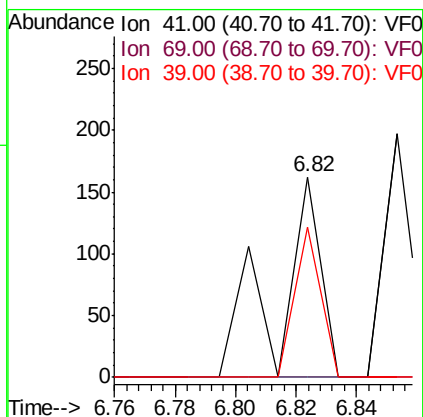
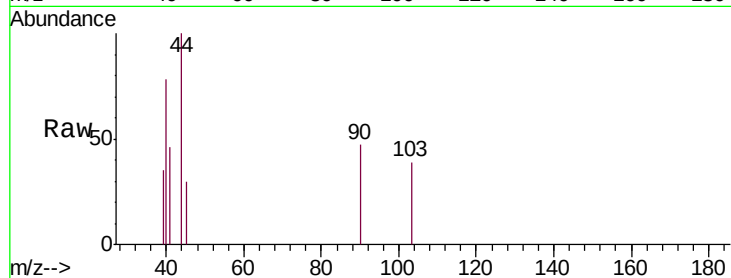




#48
Methyl methacrylate
Concen: 1508.397 ug/l
RT: 6.82 min Scan# 638
Delta R.T. -0.02 min
Lab File: VF060177.D
Acq: 29 Aug 2018 5:59

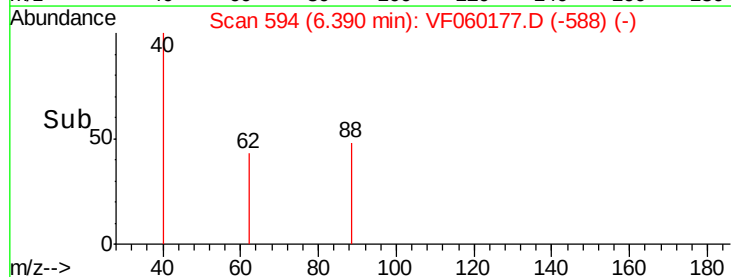
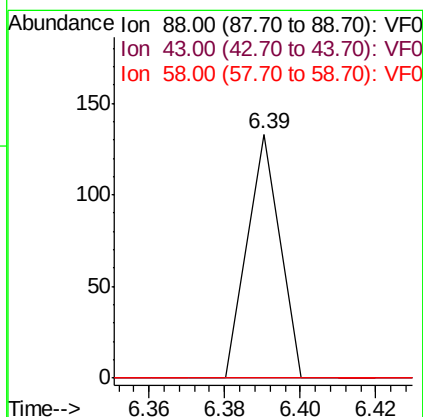
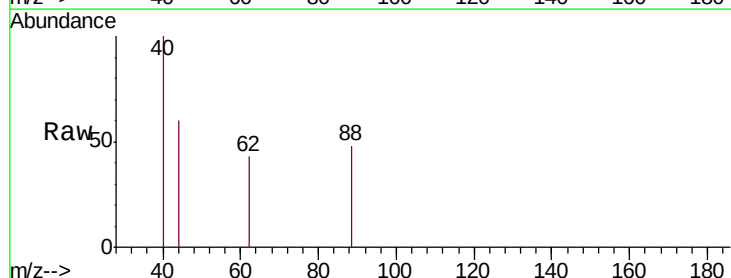
Instrument :
MSVOA_F
ClientSampled :
SP-2

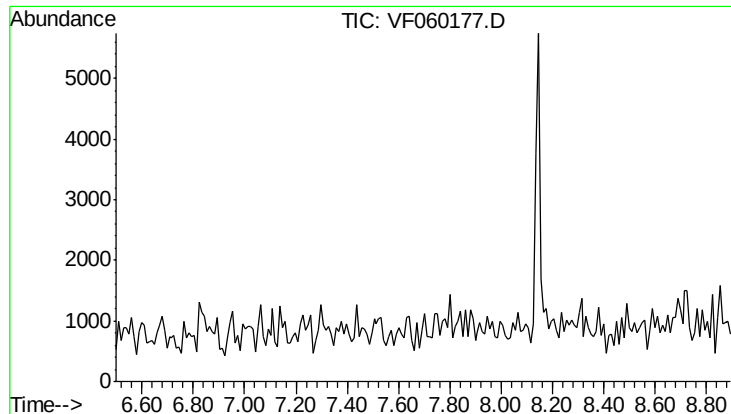
Tgt Ion: 41 Resp: 159
Ion Ratio Lower Upper
41 100
69 0.0 38.2 57.2#
39 75.3 56.2 84.2



#49
1,4-Dioxane
Concen: 97607.974 ug/l
RT: 6.39 min Scan# 594
Delta R.T. -0.44 min
Lab File: VF060177.D
Acq: 29 Aug 2018 5:59

Tgt Ion: 88 Resp: 79
Ion Ratio Lower Upper
88 100
43 0.0 24.5 36.7#
58 0.0 63.8 95.8#

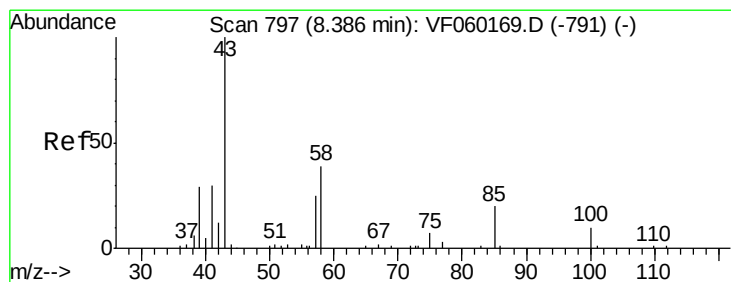
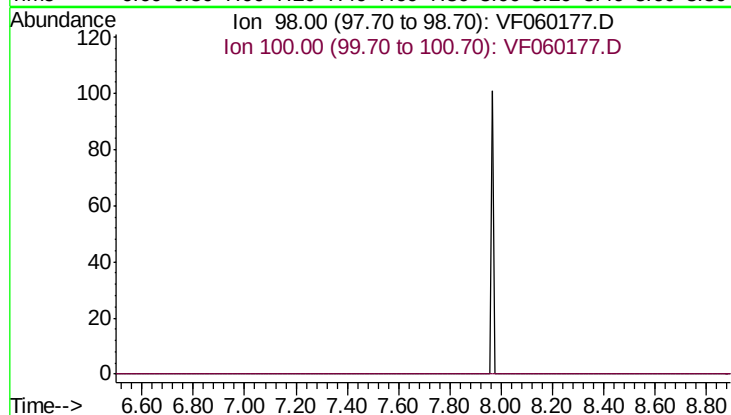




#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 7.70 min
Lab File: VF060177.D
Acq: 29 Aug 2018 5:59

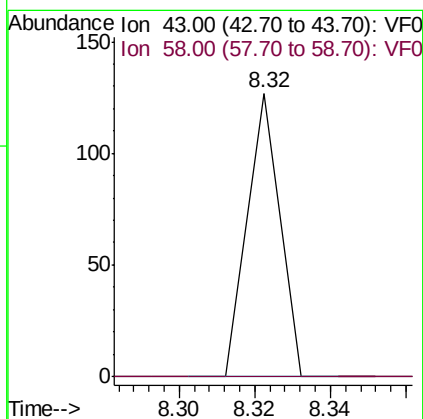
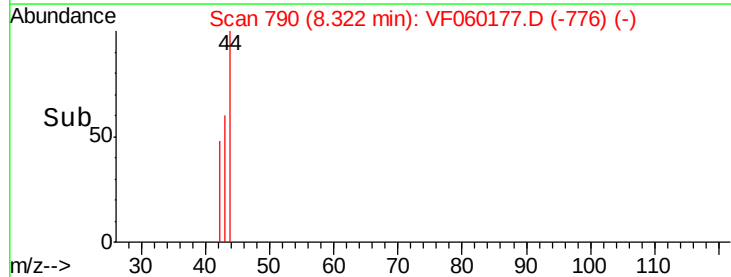
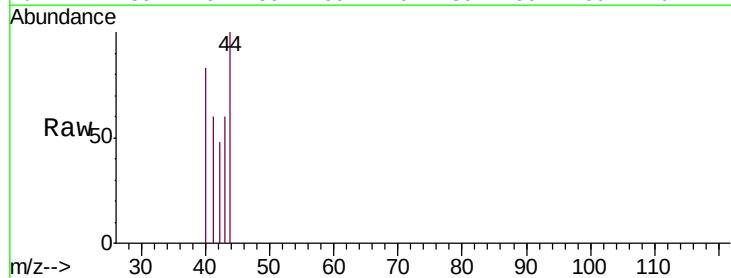
Instrument :
MSVOA_F
ClientSampleId :
SP-2

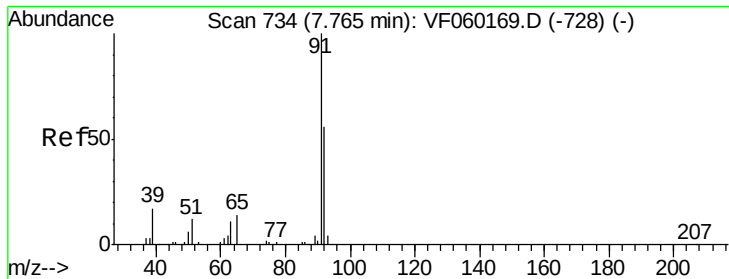
Tgt Ion: 98
Sig Exp Ratio
98 100
100 68.1



#51
4-Methyl-2-Pentanone
Concen: 616.100 ug/l
RT: 8.32 min Scan# 790
Delta R.T. -0.06 min
Lab File: VF060177.D
Acq: 29 Aug 2018 5:59

Tgt Ion: 43 Resp: 75
Ion Ratio Lower Upper
43 100
58 0.0 31.0 46.6#





#52

Toluene

Concen: 65.710 ug/l

RT: 7.57 min Scan# 714

Delta R.T. -0.19 min

Lab File: VF060177.D

Acq: 29 Aug 2018 5:59

Instrument :

MSVOA_F

ClientSampled :

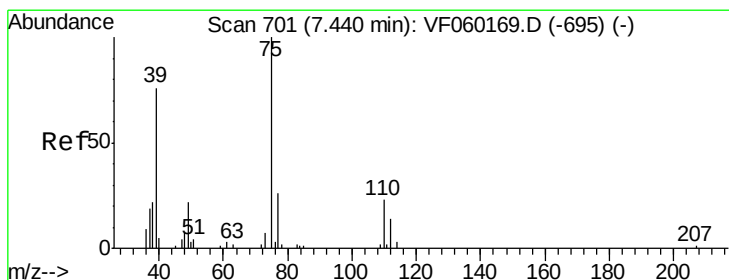
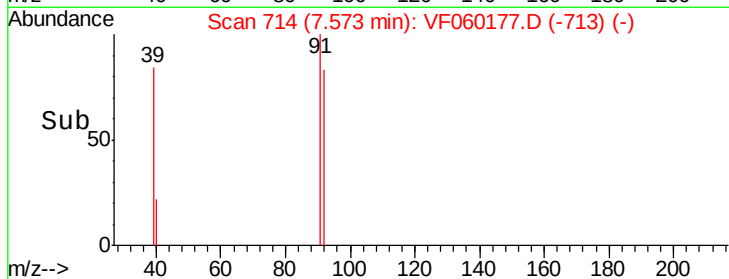
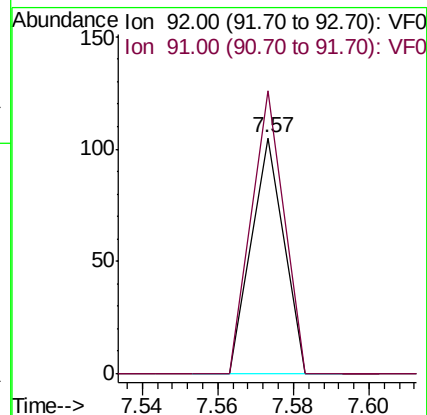
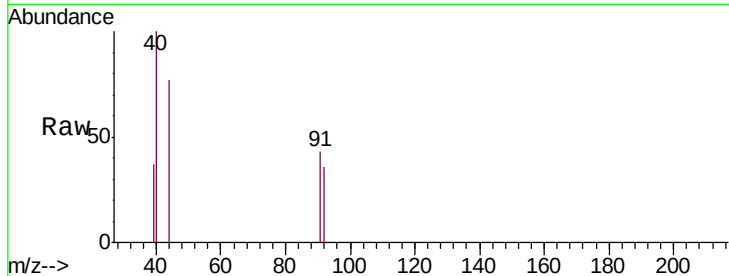
SP-2

Tgt Ion: 92 Resp: 62

Ion Ratio Lower Upper

92 100

91 120.0 141.9 212.9#



#54

cis-1,3-Dichloropropene

Concen: 151.698 ug/l

RT: 7.31 min Scan# 687

Delta R.T. -0.13 min

Lab File: VF060177.D

Acq: 29 Aug 2018 5:59

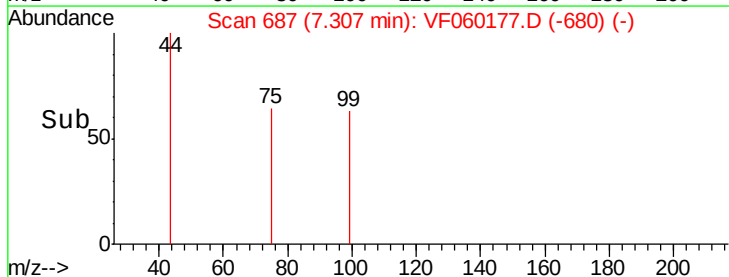
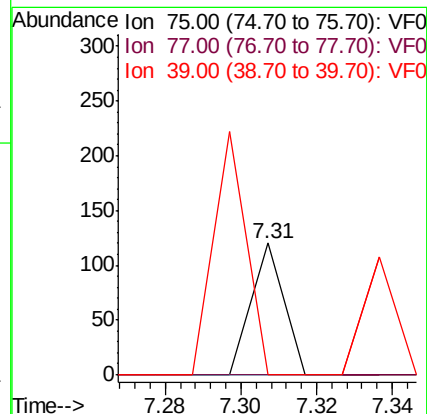
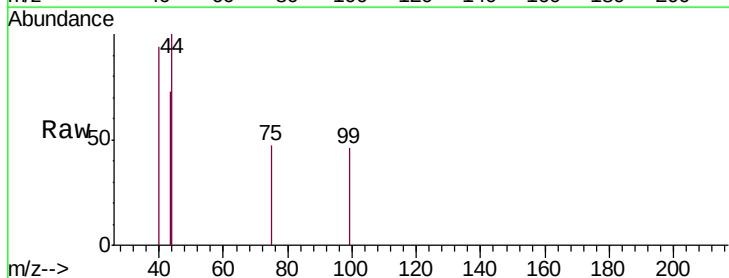
Tgt Ion: 75 Resp: 71

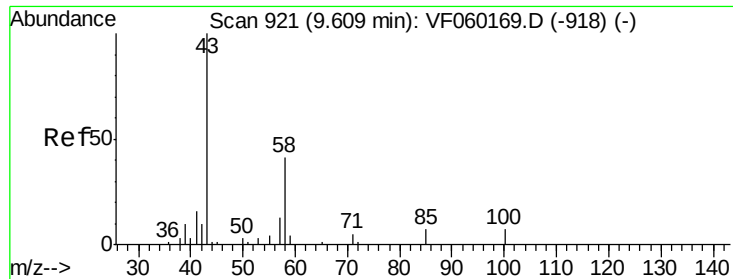
Ion Ratio Lower Upper

75 100

77 0.0 20.7 31.1#

39 0.0 60.9 91.3#

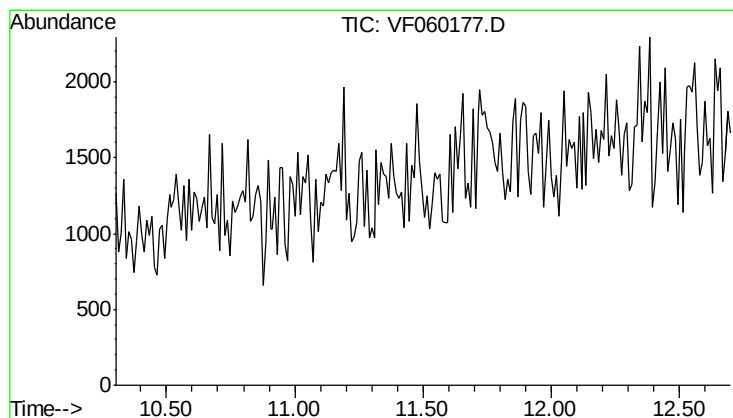
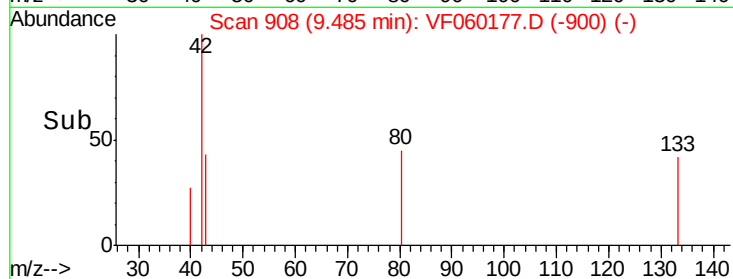
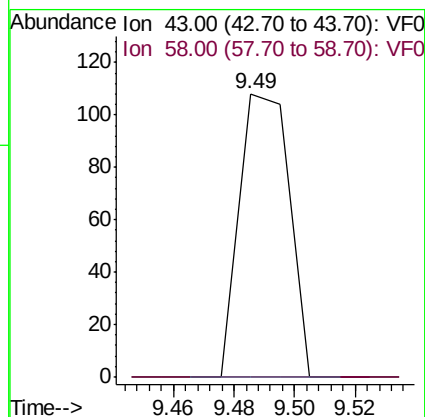
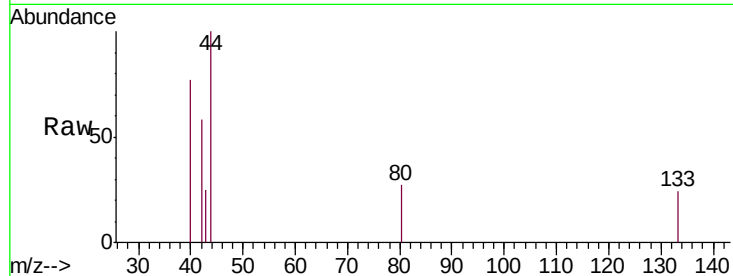




#59
2-Hexanone
Concen: 1462.895 ug/l
RT: 9.49 min Scan# 908
Delta R.T. -0.12 min
Lab File: VF060177.D
Acq: 29 Aug 2018 5:59

Instrument :
MSVOA_F
ClientSampleId :
SP-2

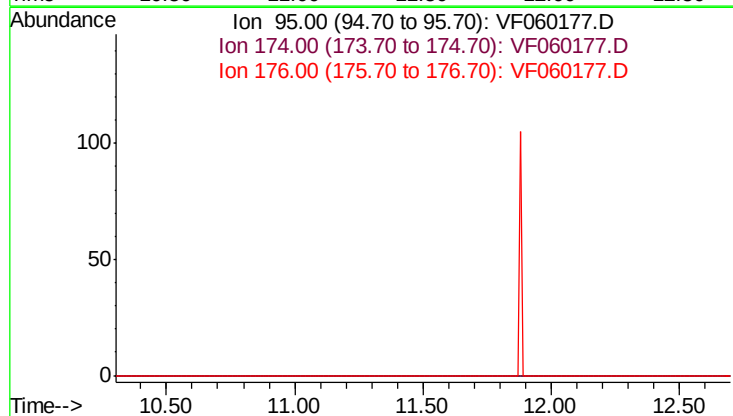
Tgt Ion: 43 Resp: 125
Ion Ratio Lower Upper
43 100
58 0.0 19.4 58.4#

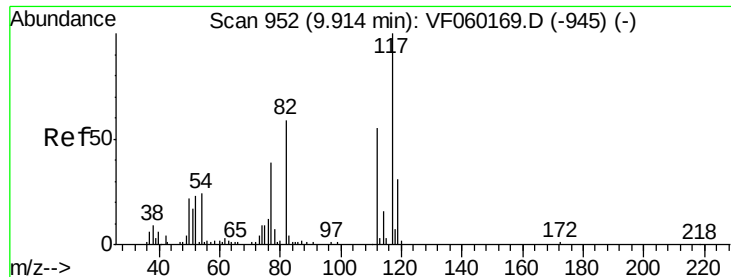


#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 11.50 min

Lab File: VF060177.D
Acq: 29 Aug 2018 5:59

Tgt Ion: 95
Sig Exp Ratio
95 100
174 82.6
176 78.3

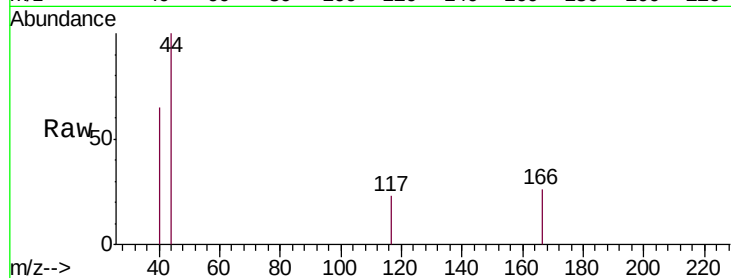




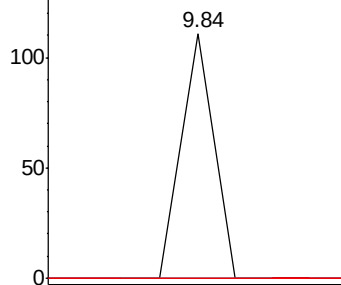
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.84 min Scan# 944
Delta R.T. -0.07 min
Lab File: VF060177.D
Acq: 29 Aug 2018 5:59

Instrument :
MSVOA_F
ClientSampleId :
SP-2

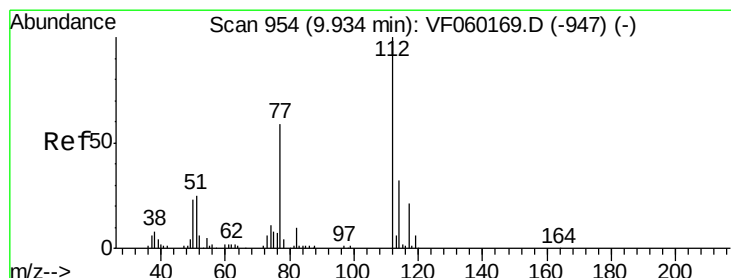
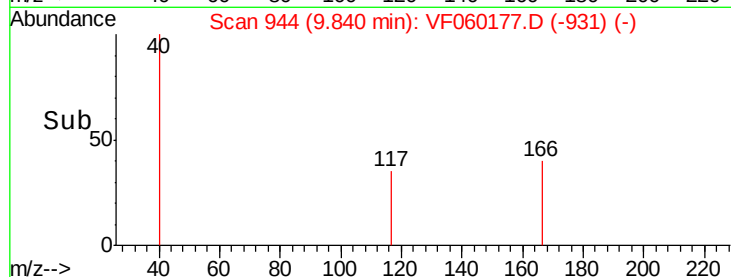
Tgt Ion	Ratio	Lower	Upper
117	100		
82	0.0	47.2	70.8#
119	0.0	25.0	37.4#



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

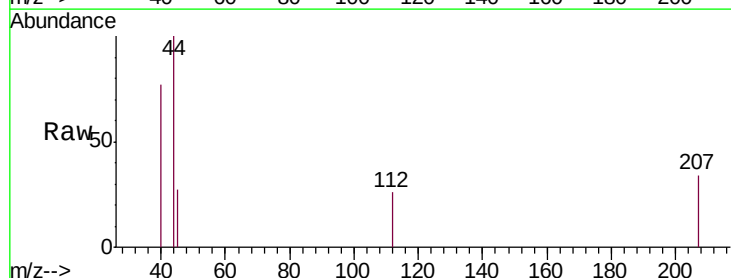


Time-->

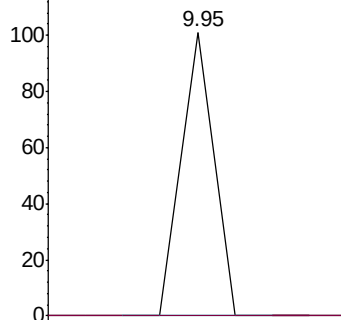


#65
Chlorobenzene
Concen: 45.314 ug/l
RT: 9.95 min Scan# 955
Delta R.T. 0.01 min
Lab File: VF060177.D
Acq: 29 Aug 2018 5:59

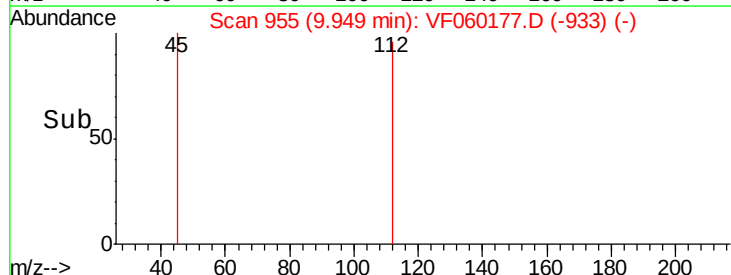
Tgt Ion	Ratio	Lower	Upper
112	100		
114	0.0	25.4	38.0#

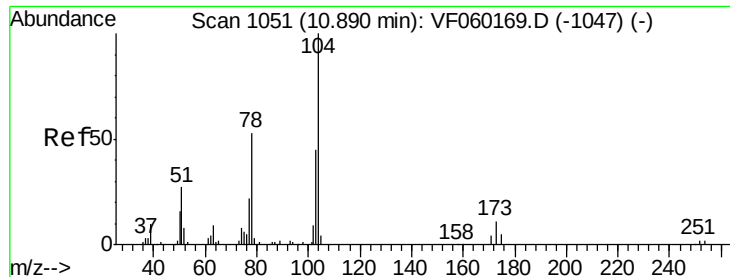


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V



Time-->





#70

Styrene

Concen: 65.904 ug/l

RT: 10.87 min Scan# 1048

Delta R.T. -0.02 min

Lab File: VF060177.D

Acq: 29 Aug 2018 5:59

Instrument :

MSVOA_F

ClientSampleId :

SP-2

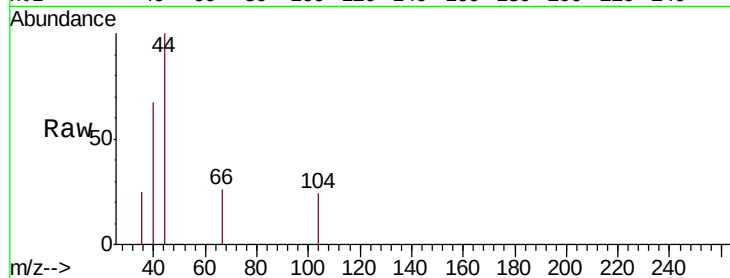
Tgt Ion:104 Resp: 72

Ion Ratio Lower Upper

104 100

78 0.0 42.6 64.0#

103 0.0 36.8 55.2#



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

150

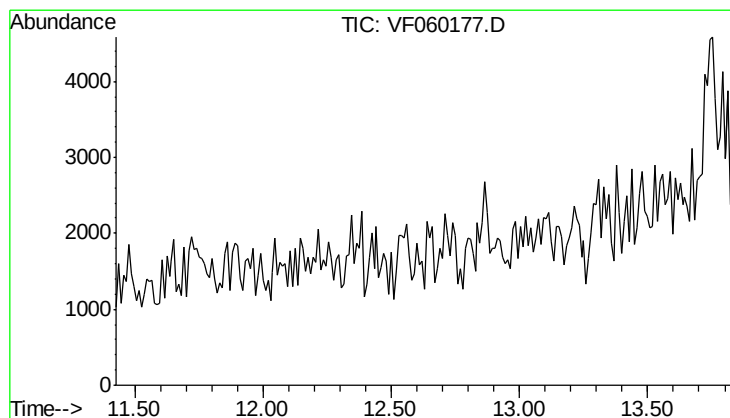
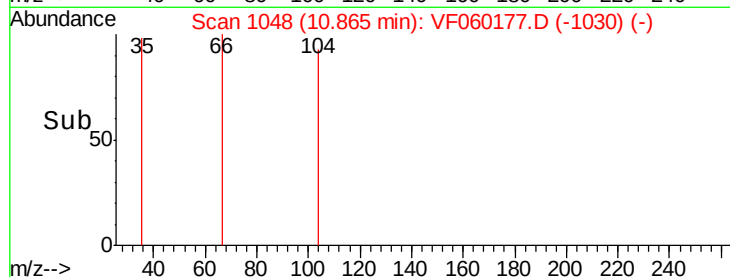
100

50

0

10.84 10.86 10.88

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 0.000 ug/l

Expected RT: 12.62 min

Lab File: VF060177.D

Acq: 29 Aug 2018 5:59

Tgt Ion: 152

Sig Exp Ratio

152 100

115 66.4

150 162.8

