

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110618\
 Data File : VF060620.D
 Acq On : 6 Nov 2018 18:52
 Operator : VA/AP
 Sample : J5819-01
 Misc : 4.57µ/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Nov 07 11:47:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

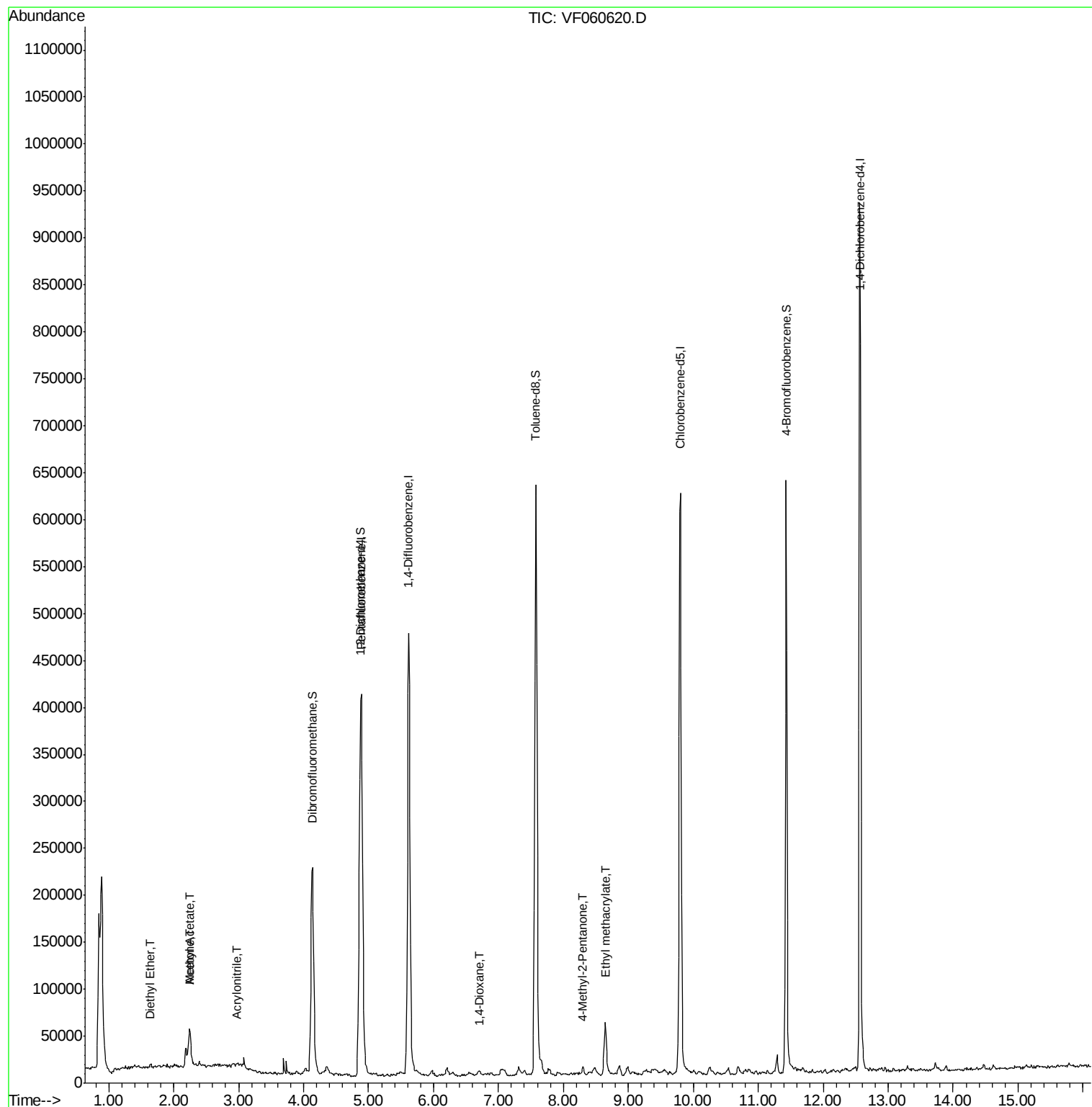
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	310180	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.62	114	554396	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.80	117	484162	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.56	152	244357	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.87	65	165679	52.87	ug/l	0.02
Spiked Amount 50.000			Recovery	=	105.74%	
35) Dibromofluoromethane	4.13	113	216513	50.55	ug/l	0.02
Spiked Amount 50.000			Recovery	=	101.10%	
50) Toluene-d8	7.57	98	564189	44.47	ug/l	0.01
Spiked Amount 50.000			Recovery	=	88.94%	
62) 4-Bromofluorobenzene	11.43	95	243417	43.86	ug/l	0.01
Spiked Amount 50.000			Recovery	=	87.72%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	211	Below Cal	#	41
6) Chloroethane	1.42	64	79	Below Cal	#	1
8) Diethyl Ether	1.63	74	1126	1.298 ug/l	#	1
11) Tert butyl alcohol	2.57	59	439	Below Cal	#	1
13) Acrolein	2.11	56	518	Below Cal		95
15) Acrylonitrile	2.97	53	714	1.912 ug/l	#	50
16) Acetone	2.24	43	47411	64.200 ug/l		94
18) Methyl Acetate	2.24	43	47411	41.414 ug/l	#	66
20) Methylene Chloride	2.24	84	8818	Below Cal		93
25) 2-Butanone	4.37	43	17658	Below Cal	#	91
29) Tetrahydrofuran	4.11	42	1027	Below Cal	#	62
49) 1,4-Dioxane	6.69	88	159	6.525 ug/l	#	1
51) 4-Methyl-2-Pentanone	8.30	43	6119	2.455 ug/l	#	51
56) Ethyl methacrylate	8.65	69	28264	7.821 ug/l	#	68
58) 2-Chloroethyl Vinyl ether	7.66	63	477	Below Cal		100
59) 2-Hexanone	9.52	43	2753	Below Cal		89
74) N-amyl acetate	11.37	43	578	Below Cal	#	42
89) n-Butylbenzene	12.86	91	994	Below Cal	#	65

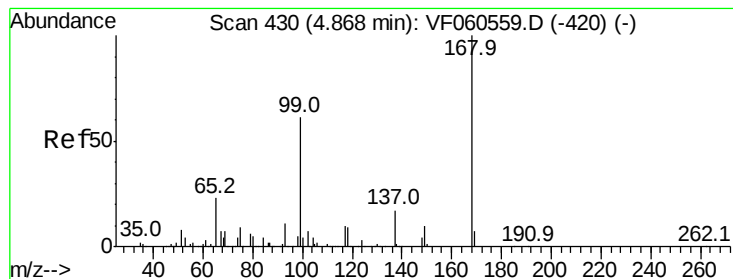
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Nov 03 05:29:31 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.02 min

Lab File: VF060620.D

Acq: 6 Nov 2018 18:52

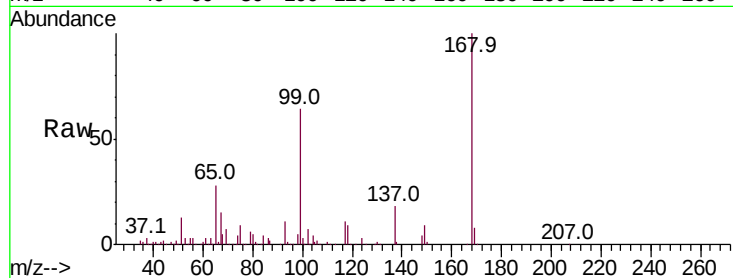
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 310180

Ion Ratio Lower Upper

168 100

99 64.2 48.6 72.8



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

120000

100000

80000

60000

40000

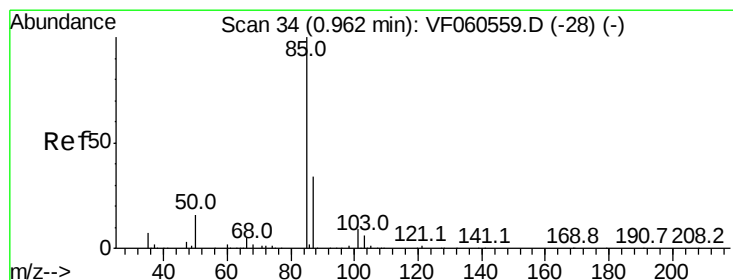
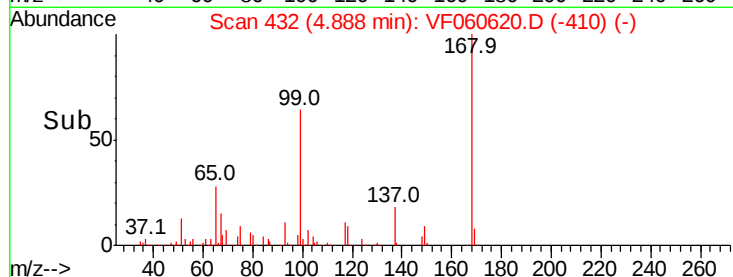
20000

0

4.89

4.80 4.90 5.00

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.97 min Scan# 35

Delta R.T. 0.01 min

Lab File: VF060620.D

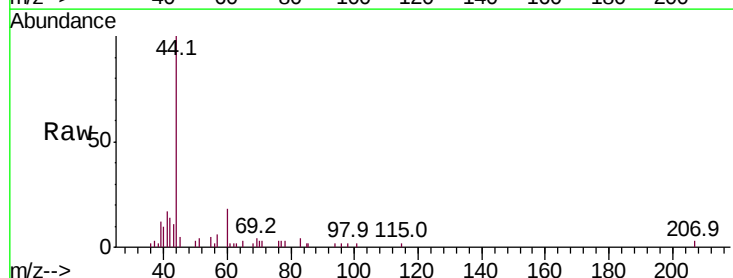
Acq: 6 Nov 2018 18:52

Tgt Ion: 85 Resp: 211

Ion Ratio Lower Upper

85 100

87 0.0 16.9 50.7#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

250

200

150

100

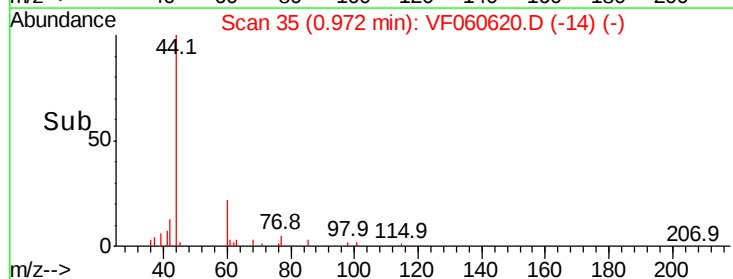
50

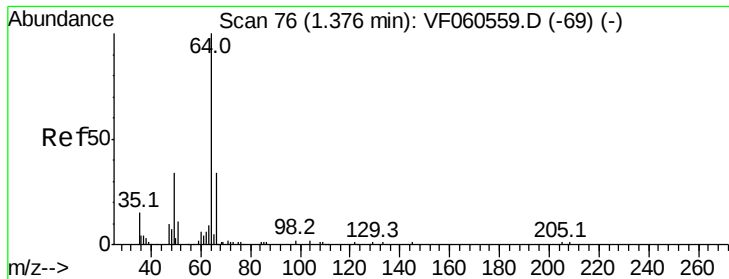
0

0.97

0.96 0.98 1.00

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.42 min Scan# 80

Delta R.T. 0.04 min

Lab File: VF060620.D

Acq: 6 Nov 2018 18:52

Instrument :

MSVOA_F

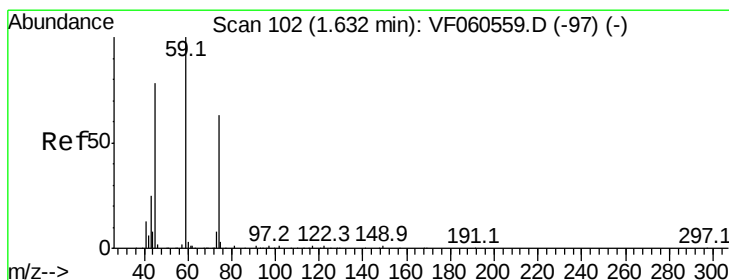
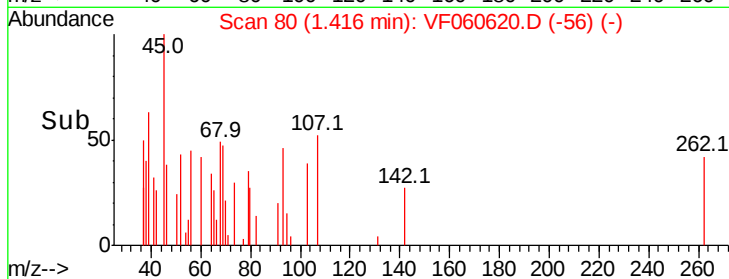
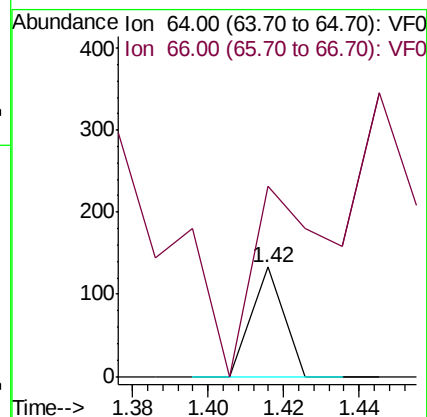
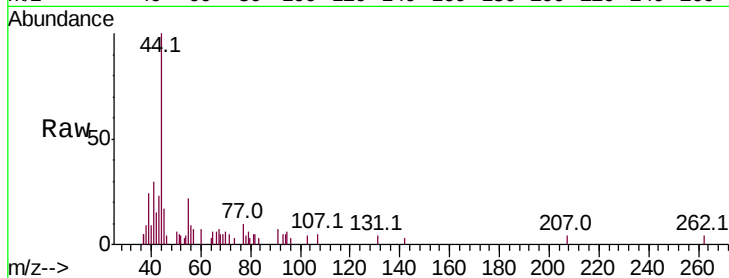
ClientSampled :

Tot Ion: 64 Resp: 79

Ion Ratio Lower Upper

64 100

66 174.4 27.8 41.8#



#8

Diethyl Ether

Concen: 1.298 ug/l

RT: 1.63 min Scan# 102

Delta R.T. 0.00 min

Lab File: VF060620.D

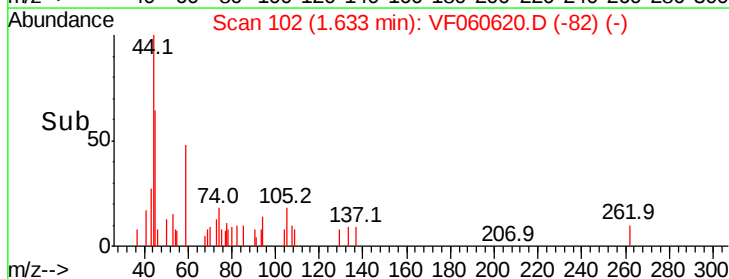
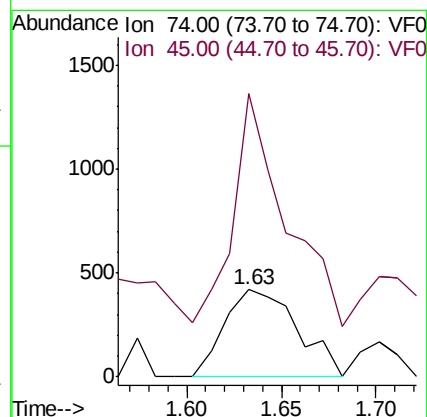
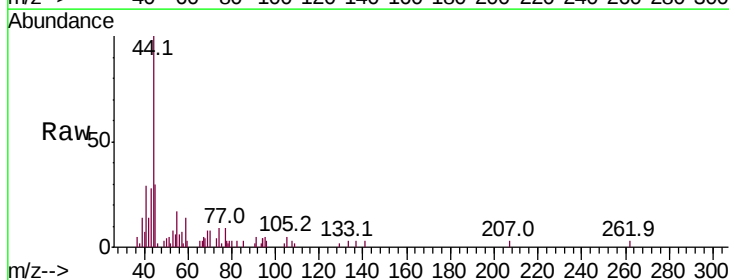
Acq: 6 Nov 2018 18:52

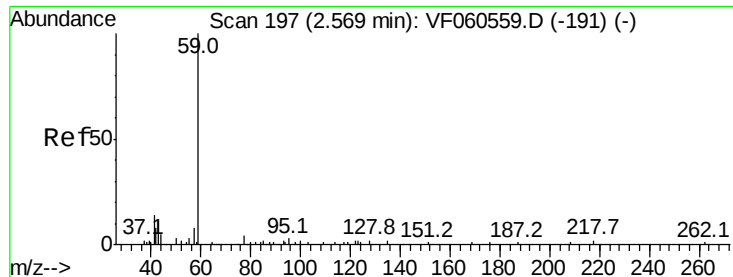
Tgt Ion: 74 Resp: 1126

Ion Ratio Lower Upper

74 100

45 325.1 63.8 191.5#

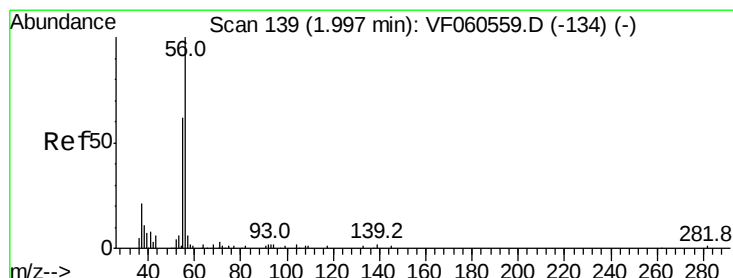
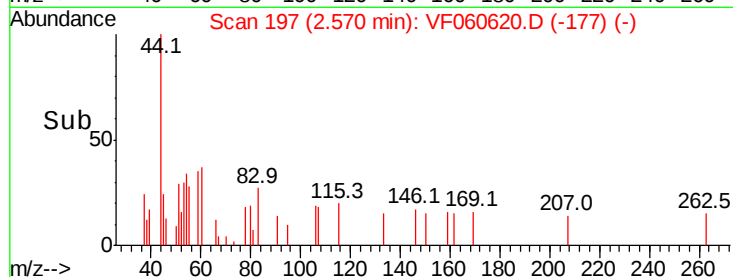
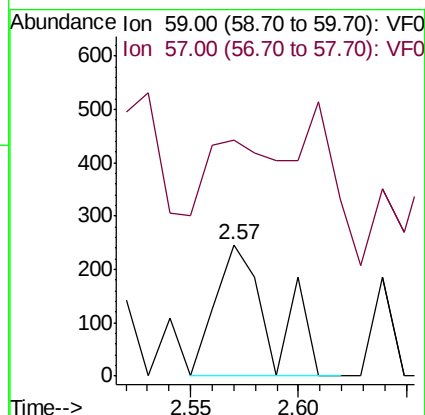
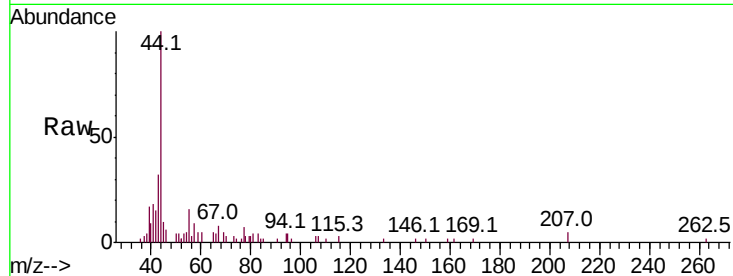




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.57 min Scan# 197
Delta R.T. 0.00 min
Lab File: VF060620.D
Acq: 6 Nov 2018 18:52

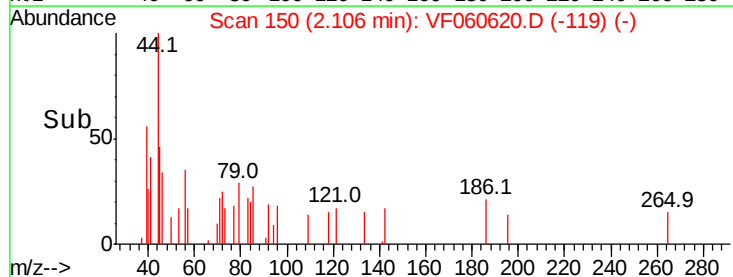
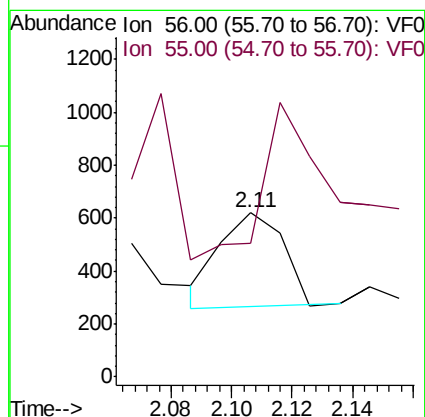
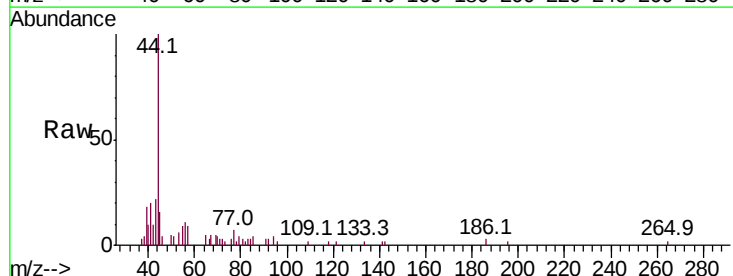
Instrument :
MSVOA_F
ClientSampled :

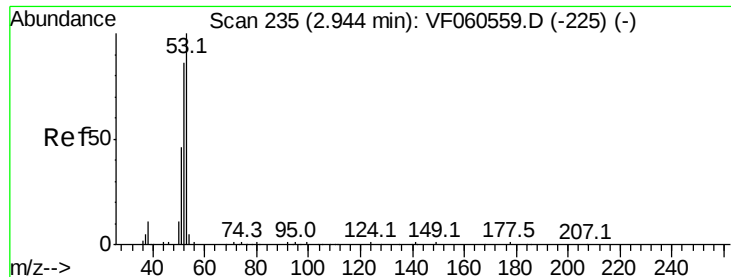
Tot Ion: 59 Resp: 439
Ion Ratio Lower Upper
59 100
57 180.1 19.0 28.4#



#13
Acrolein
Concen: Below Cal
RT: 2.11 min Scan# 150
Delta R.T. 0.11 min
Lab File: VF060620.D
Acq: 6 Nov 2018 18:52

Tgt Ion: 56 Resp: 518
Ion Ratio Lower Upper
56 100
55 81.1 61.8 92.6





#15

Acrylonitrile

Concen: 1.912 ug/l

RT: 2.97 min Scan# 238

Delta R.T. 0.03 min

Lab File: VF060620.D

Acq: 6 Nov 2018 18:52

Instrument :

MSVOA_F

ClientSampleId :

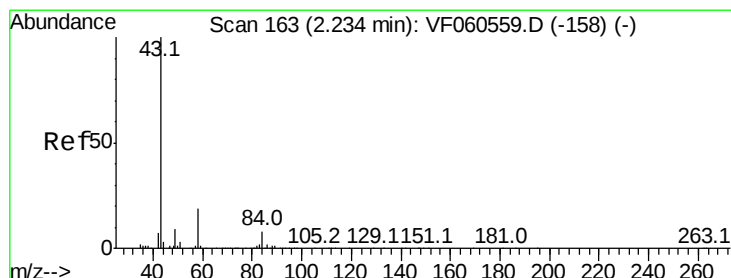
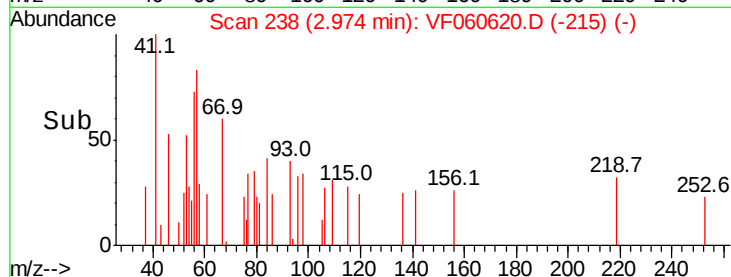
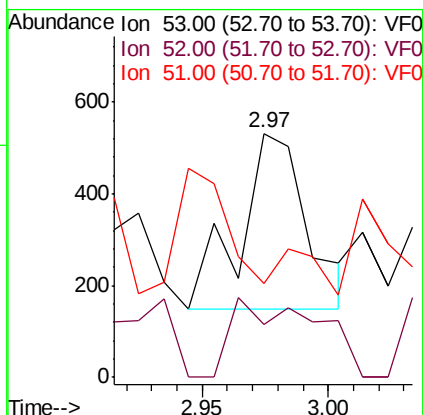
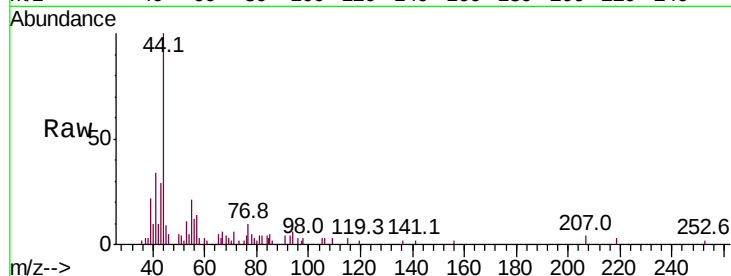
Tot Ion: 53 Resp: 714

Ion Ratio Lower Upper

53 100

52 21.5 68.5 102.7#

51 38.6 38.2 57.2



#16

Acetone

Concen: 64.200 ug/l

RT: 2.24 min Scan# 164

Delta R.T. 0.01 min

Lab File: VF060620.D

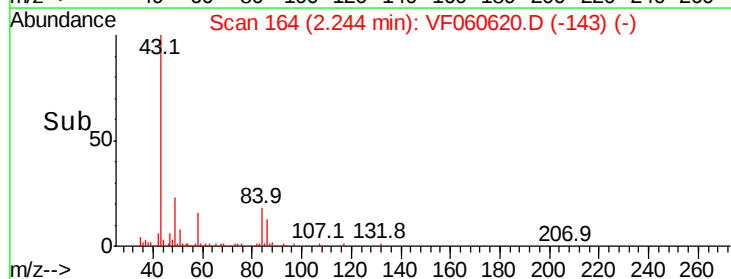
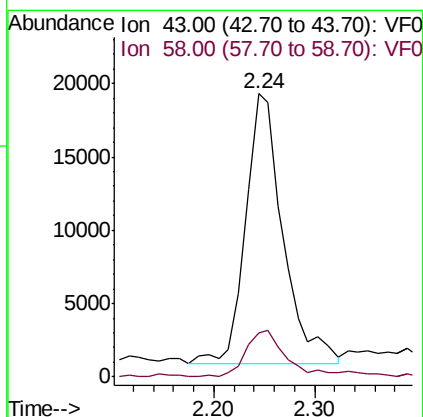
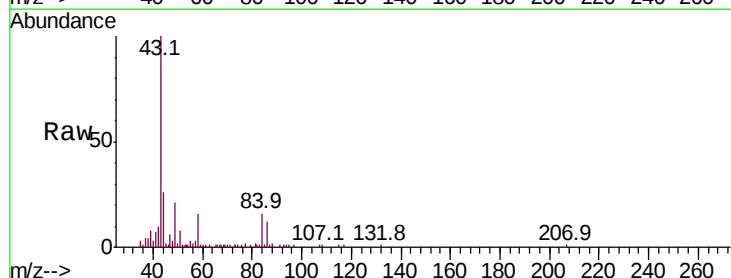
Acq: 6 Nov 2018 18:52

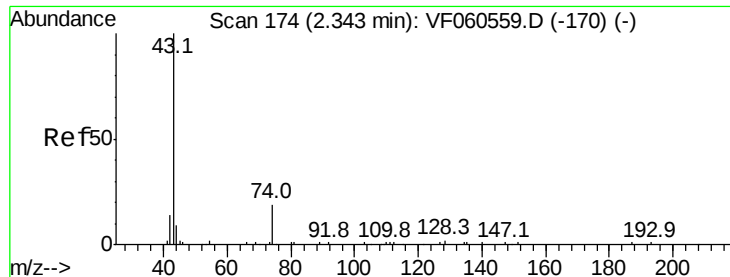
Tgt Ion: 43 Resp: 47411

Ion Ratio Lower Upper

43 100

58 15.6 14.6 22.0

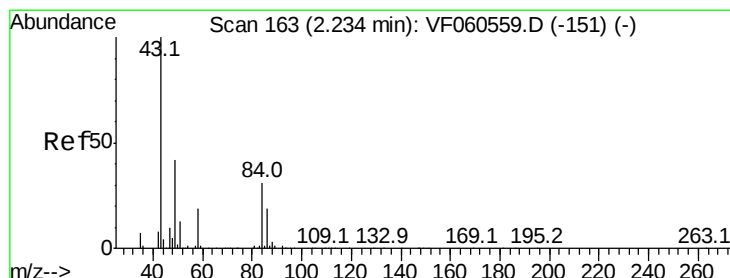
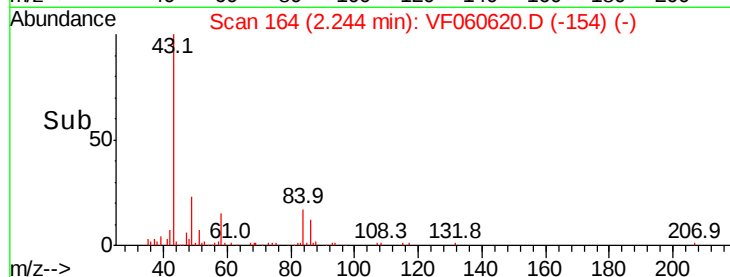
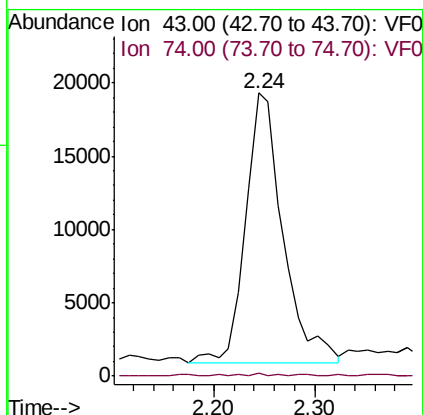
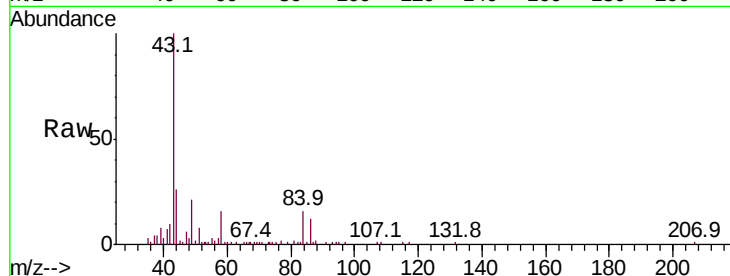




#18
Methyl Acetate
Concen: 41.414 ug/l
RT: 2.24 min Scan# 164
Delta R.T. -0.10 min
Lab File: VF060620.D
Acq: 6 Nov 2018 18:52

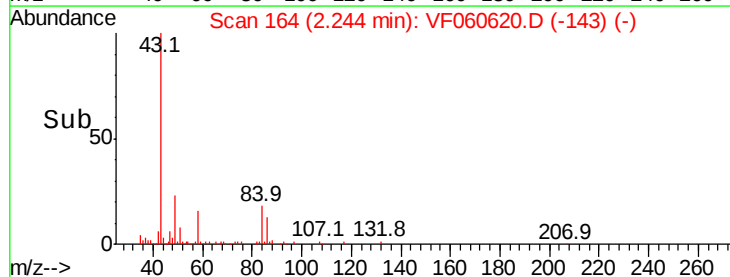
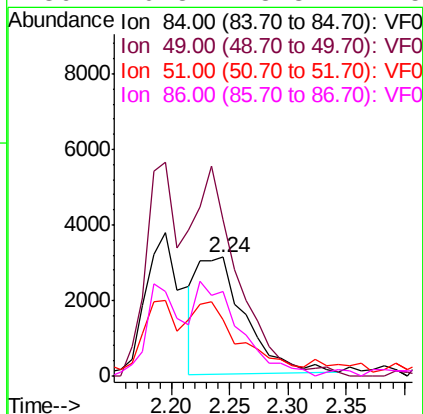
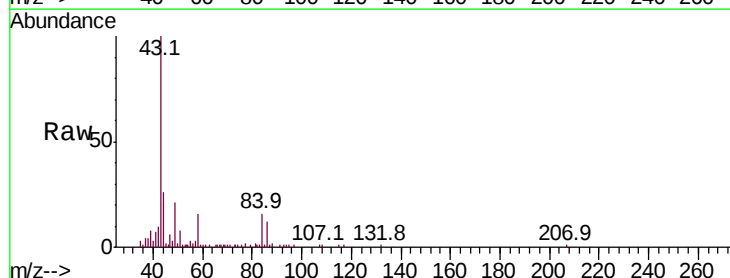
Instrument :
MSVOA_F
ClientSampleId :

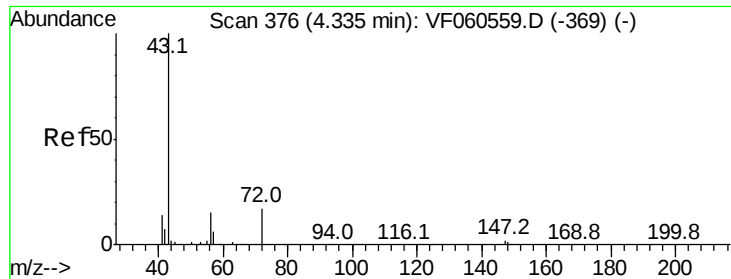
Tot Ion: 43 Resp: 47411
Ion Ratio Lower Upper
43 100
74 1.0 12.1 18.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.24 min Scan# 164
Delta R.T. 0.01 min
Lab File: VF060620.D
Acq: 6 Nov 2018 18:52

Tgt Ion: 84 Resp: 8818
Ion Ratio Lower Upper
84 100
49 131.5 109.9 164.9
51 47.1 35.8 53.8
86 70.8 48.3 72.5





#25

2-Butanone

Concen: Below Cal

RT: 4.37 min Scan# 379

Delta R.T. 0.03 min

Lab File: VF060620.D

Acq: 6 Nov 2018 18:52

Instrument :

MSVOA_F

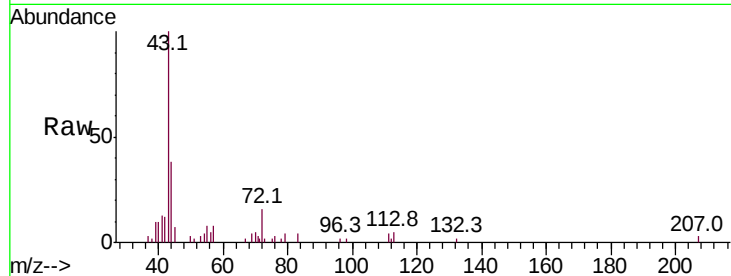
ClientSampleId :

Tot Ion: 43 Resp: 17658

Ion Ratio Lower Upper

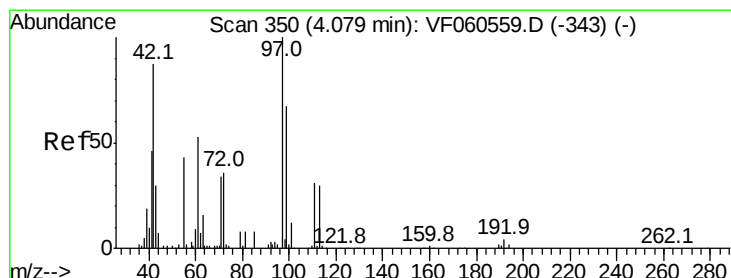
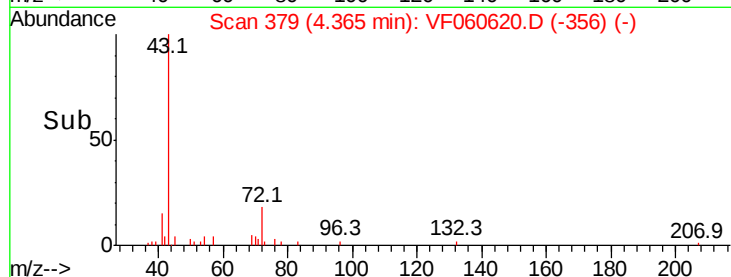
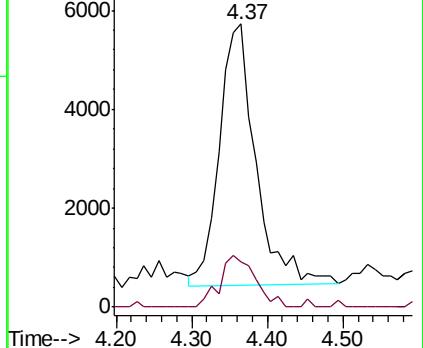
43 100

72 15.9 16.2 24.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.11 min Scan# 353

Delta R.T. 0.03 min

Lab File: VF060620.D

Acq: 6 Nov 2018 18:52

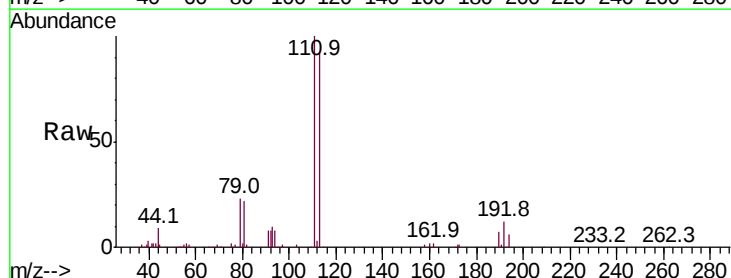
Tgt Ion: 42 Resp: 1027

Ion Ratio Lower Upper

42 100

72 28.8 31.4 47.0#

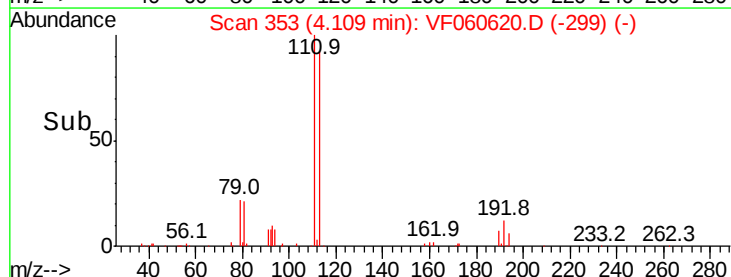
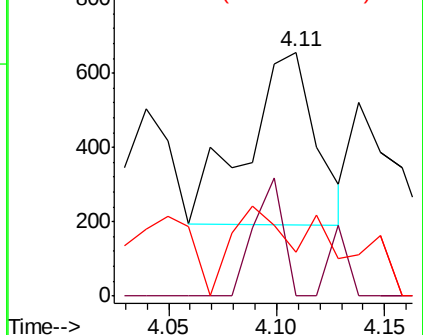
71 75.9 31.8 47.6#

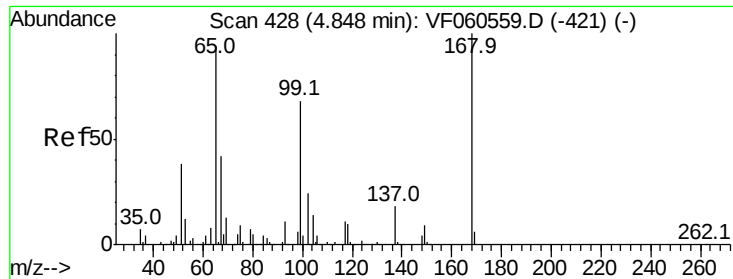


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

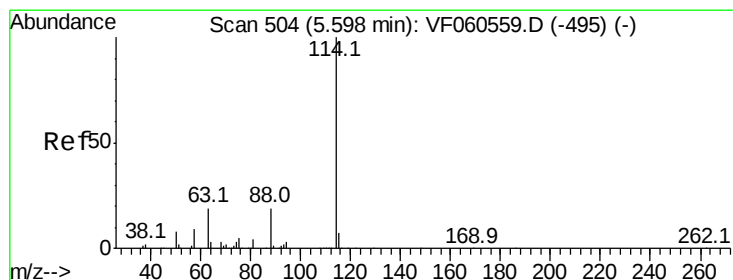
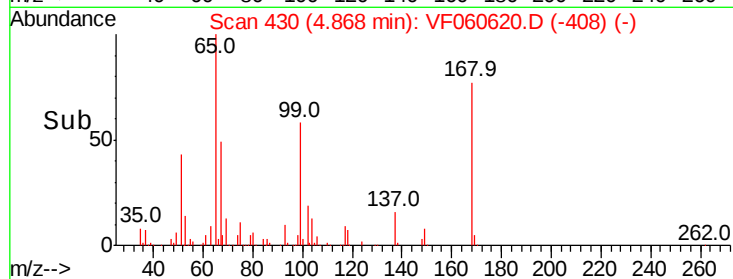
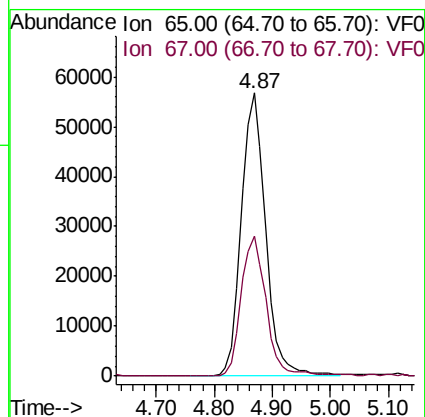
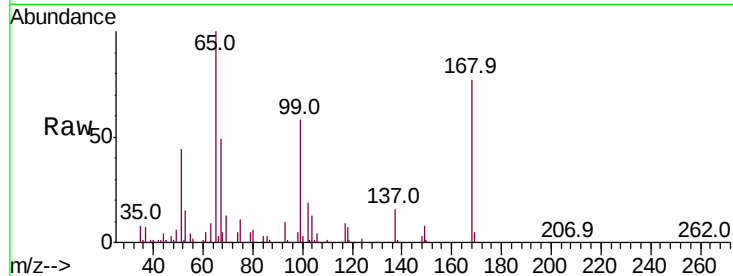




#33
 1,2-Dichloroethane-d4
 Concen: 52.866 ug/l
 RT: 4.87 min Scan# 430
 Delta R.T. 0.02 min
 Lab File: VF060620.D
 Acq: 6 Nov 2018 18:52

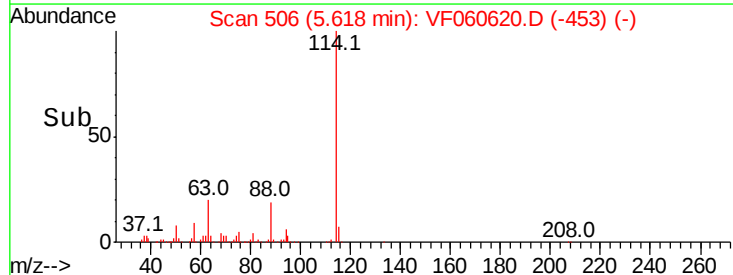
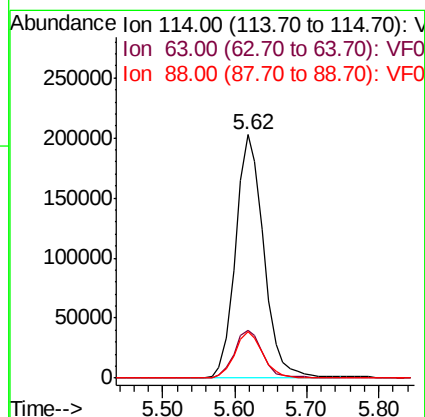
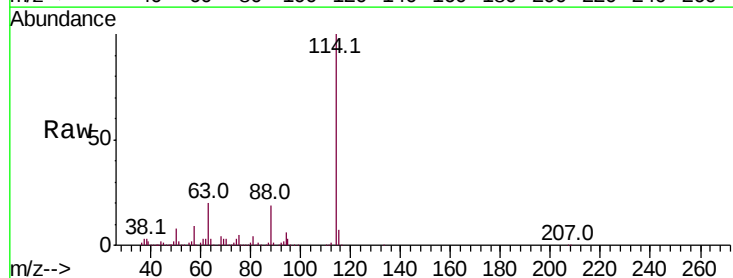
Instrument :
 MSVOA_F
 ClientSampleId :

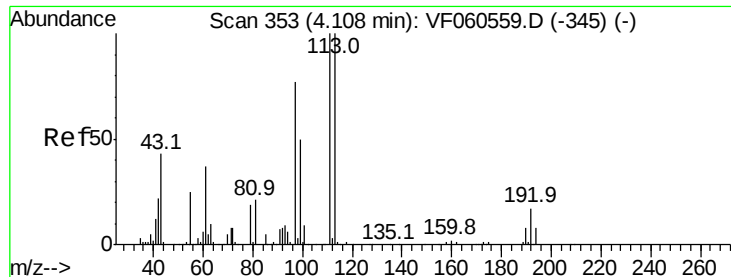
Tot Ion: 65 Resp: 165679
 Ion Ratio Lower Upper
 65 100
 67 49.3 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.62 min Scan# 506
 Delta R.T. 0.02 min
 Lab File: VF060620.D
 Acq: 6 Nov 2018 18:52

Tgt Ion: 114 Resp: 554396
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.0
 88 19.1 0.0 38.2

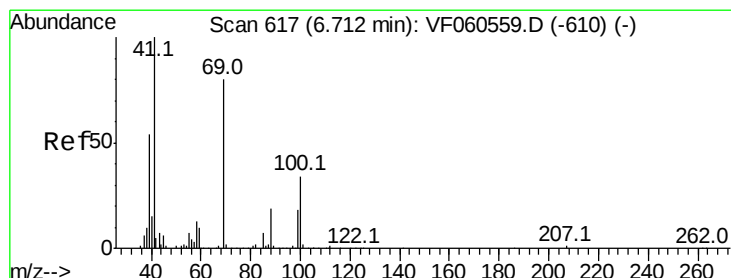
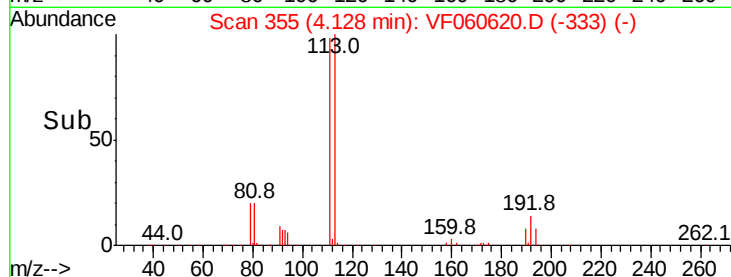
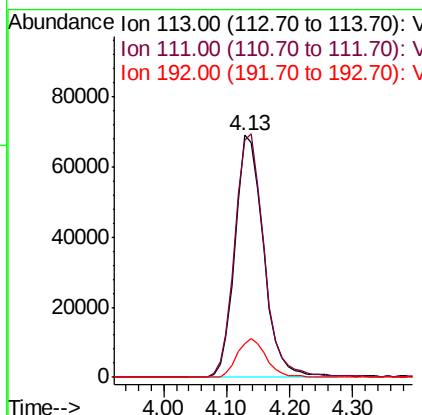
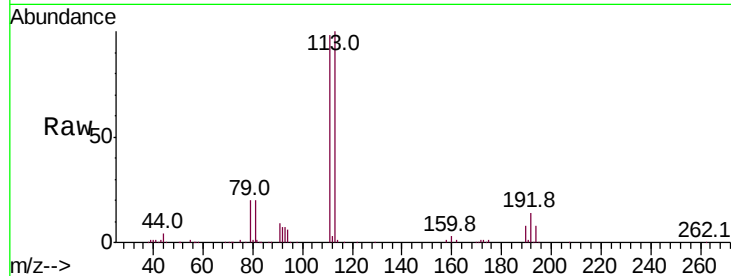




#35
 Dibromofluoromethane
 Concen: 50.549 ug/l
 RT: 4.13 min Scan# 355
 Delta R.T. 0.02 min
 Lab File: VF060620.D
 Acq: 6 Nov 2018 18:52

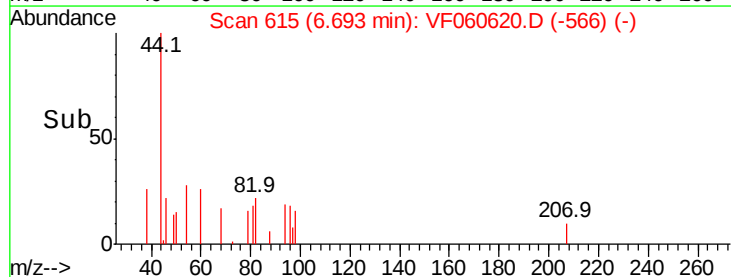
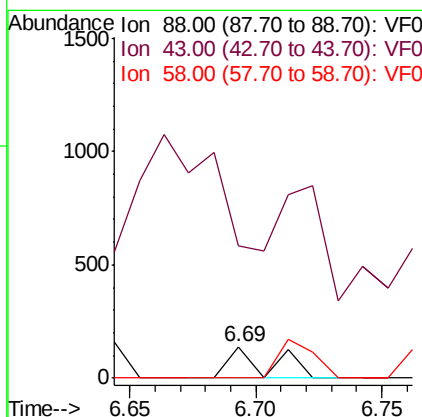
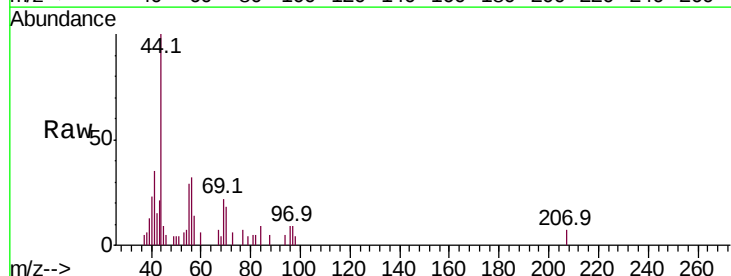
Instrument :
 MSVOA_F
 ClientSampleId :

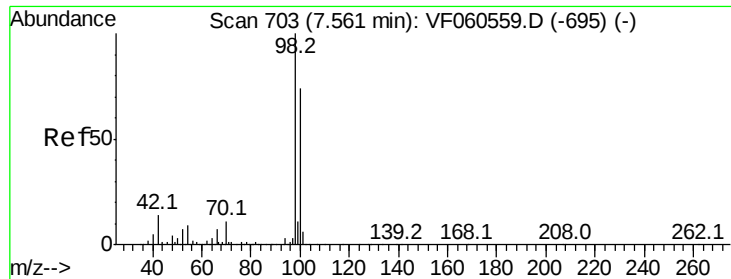
Tot Ion	Ratio	Lower	Upper
113	100		
111	98.2	79.9	119.9
192	14.1	13.3	19.9



#49
 1,4-Dioxane
 Concen: 6.525 ug/l
 RT: 6.69 min Scan# 615
 Delta R.T. -0.02 min
 Lab File: VF060620.D
 Acq: 6 Nov 2018 18:52

Tgt Ion	Ratio	Lower	Upper
88	100		
43	417.9	61.2	91.8#
58	0.0	56.9	85.3#

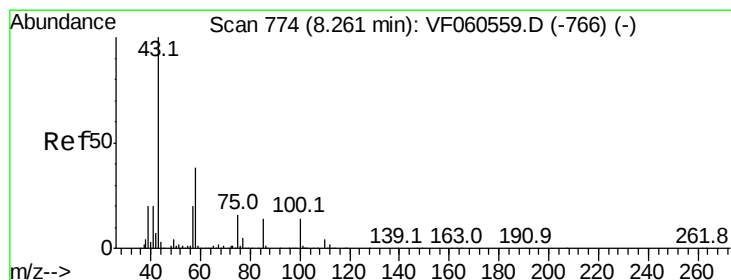
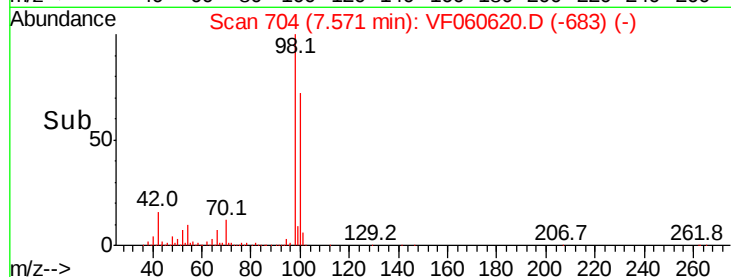
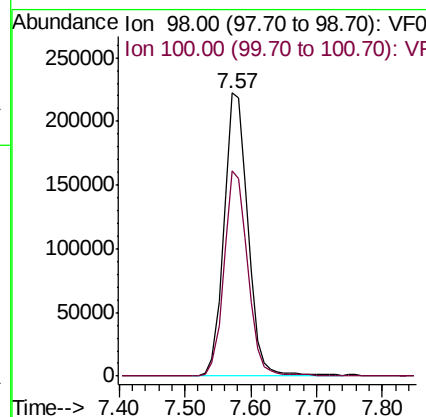
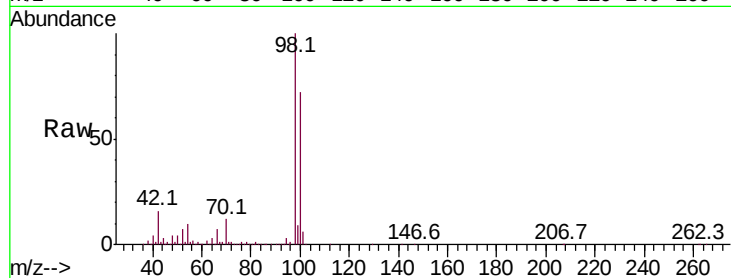




#50
Toluene-d8
Concen: 44.465 ug/l
RT: 7.57 min Scan# 704
Delta R.T. 0.01 min
Lab File: VF060620.D
Acq: 6 Nov 2018 18:52

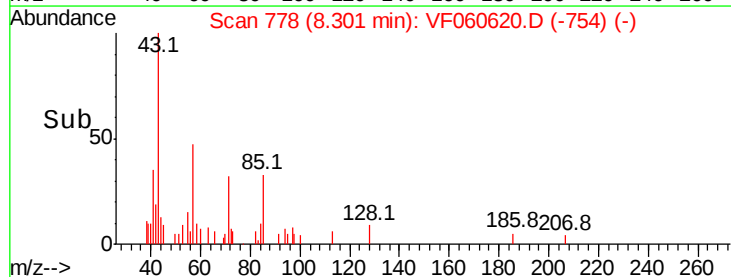
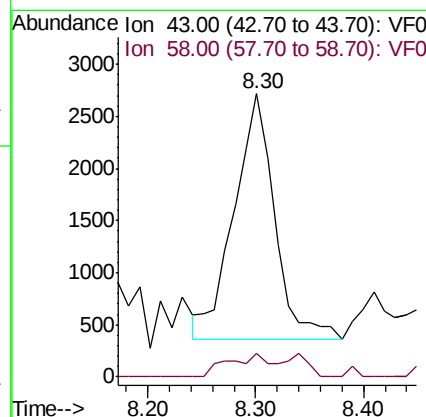
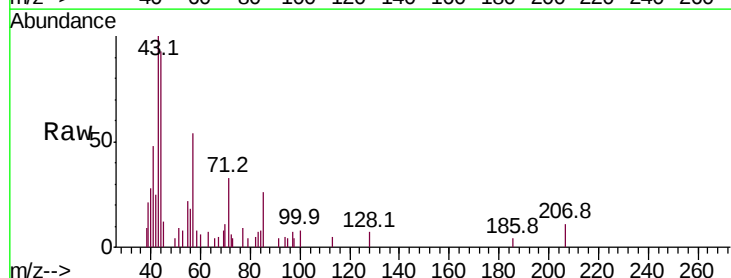
Instrument :
MSVOA_F
ClientSampled :

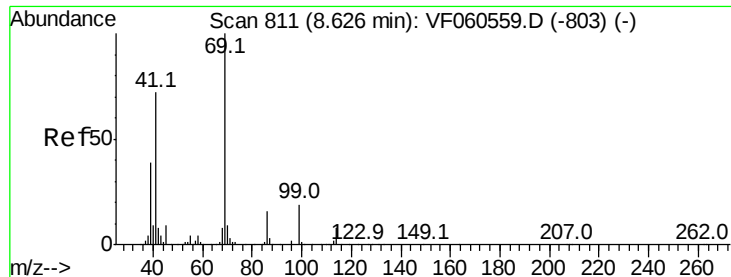
Tot Ion: 98 Resp: 564189
Ion Ratio Lower Upper
98 100
100 72.3 59.4 89.2



#51
4-Methyl-2-Pentanone
Concen: 2.455 ug/l
RT: 8.30 min Scan# 778
Delta R.T. 0.04 min
Lab File: VF060620.D
Acq: 6 Nov 2018 18:52

Tgt Ion: 43 Resp: 6119
Ion Ratio Lower Upper
43 100
58 8.2 30.1 45.1#





#56

Ethyl methacrylate

Concen: 7.821 ug/l

RT: 8.65 min Scan# 813

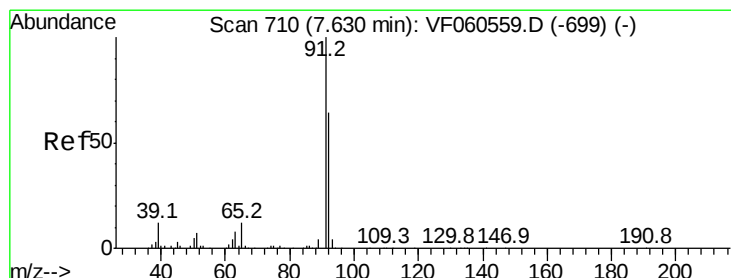
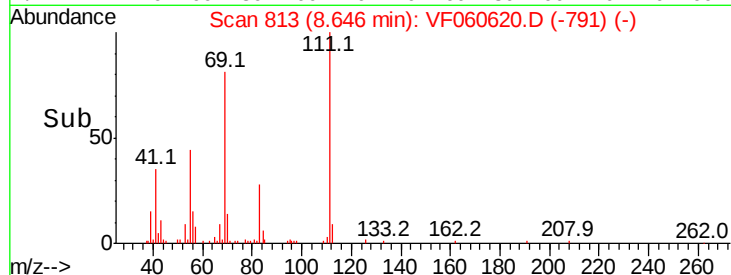
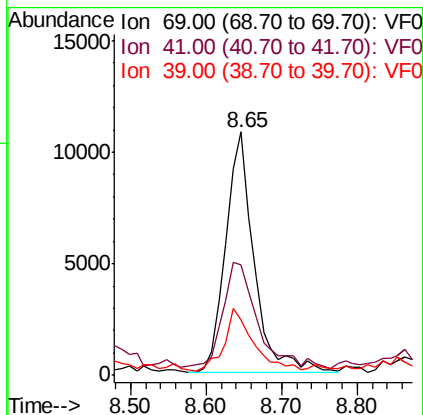
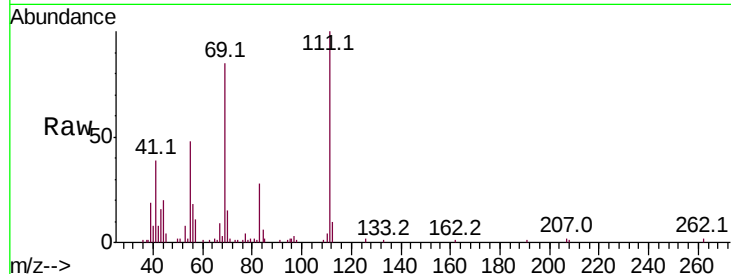
Delta R.T. 0.02 min

Lab File: VF060620.D

Acq: 6 Nov 2018 18:52

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 69 Resp: 28264
Ion Ratio Lower Upper
69 100
41 45.6 59.2 88.8#
39 22.6 32.3 48.5#



#58

2-Chloroethyl Vinyl ether

Concen: Below Cal

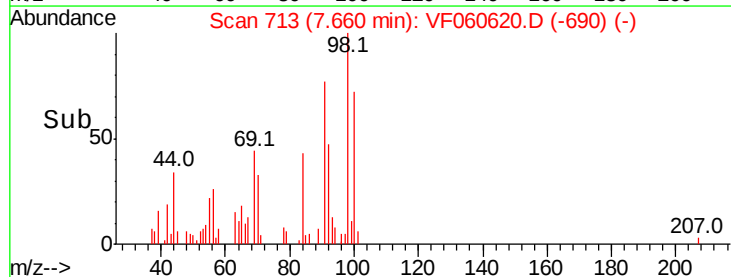
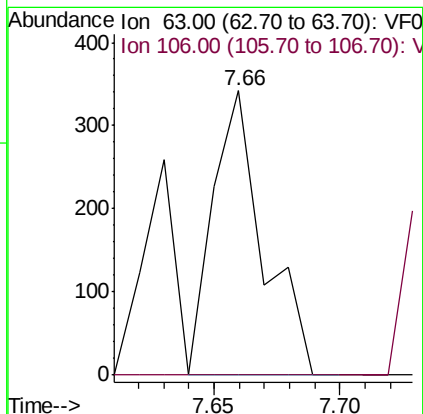
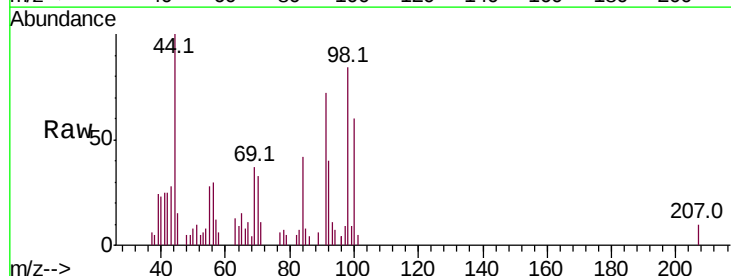
RT: 7.66 min Scan# 713

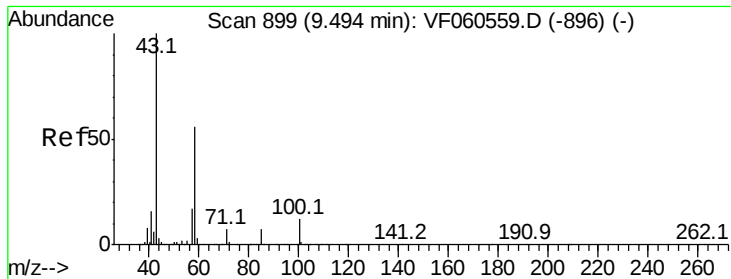
Delta R.T. 0.03 min

Lab File: VF060620.D

Acq: 6 Nov 2018 18:52

Tgt Ion: 63 Resp: 477
Ion Ratio Lower Upper
63 100
106 0.0 0.0 0.0

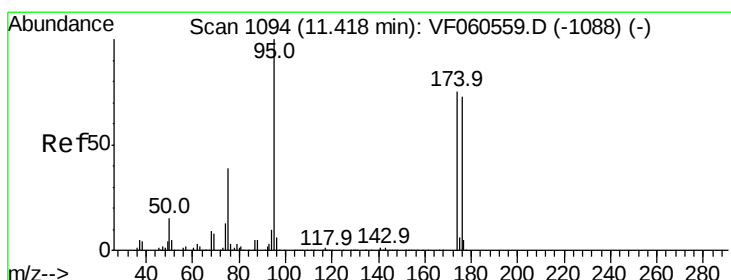
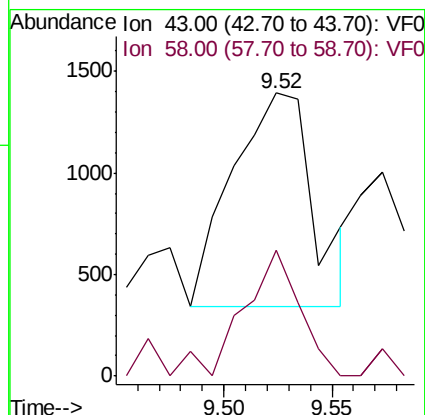
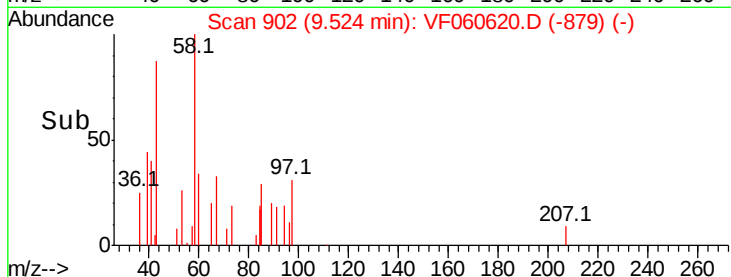
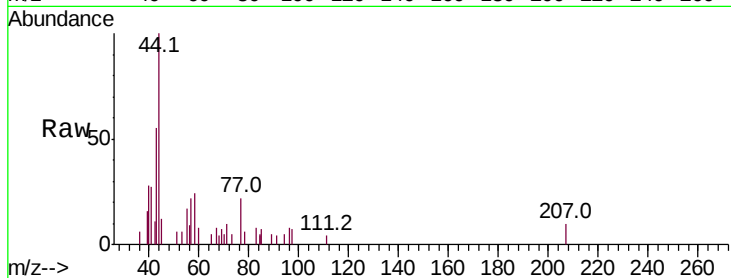




#59
2-Hexanone
Concen: Below Cal
RT: 9.52 min Scan# 902
Delta R.T. 0.03 min
Lab File: VF060620.D
Acq: 6 Nov 2018 18:52

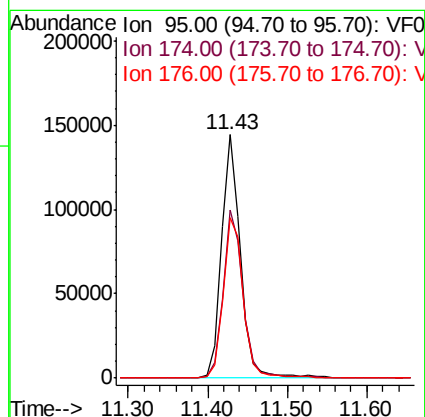
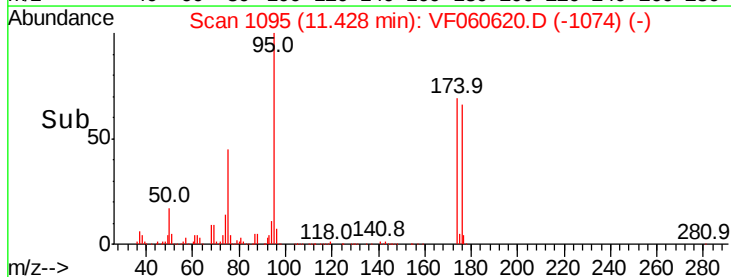
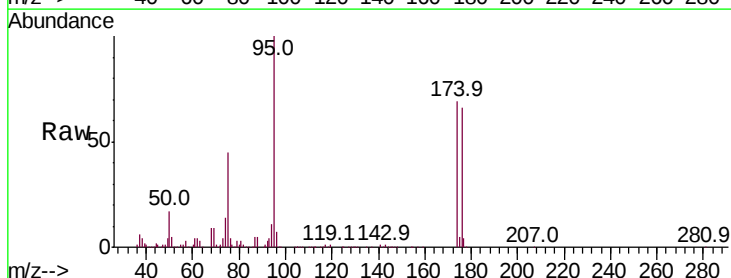
Instrument :
MSVOA_F
ClientSampled :

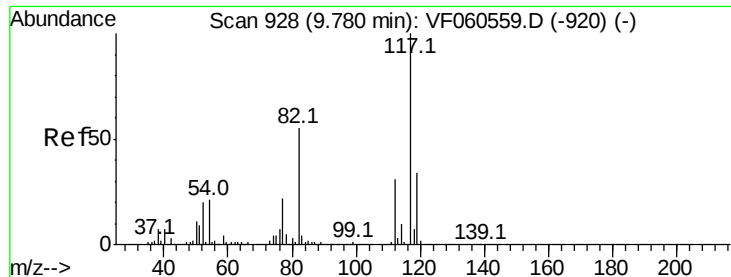
Tot Ion: 43 Resp: 2753
Ion Ratio Lower Upper
43 100
58 44.3 26.1 78.3



#62
4-Bromofluorobenzene
Concen: 43.859 ug/l
RT: 11.43 min Scan# 1095
Delta R.T. 0.01 min
Lab File: VF060620.D
Acq: 6 Nov 2018 18:52

Tgt Ion: 95 Resp: 243417
Ion Ratio Lower Upper
95 100
174 69.2 0.0 149.0
176 65.9 0.0 145.6

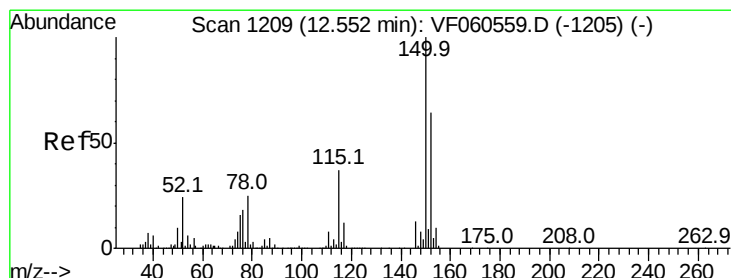
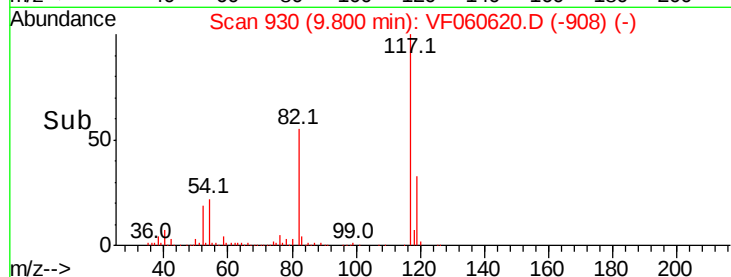
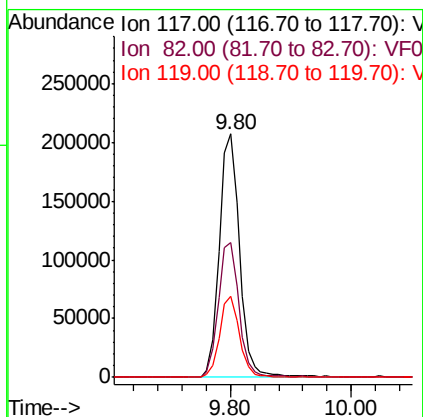
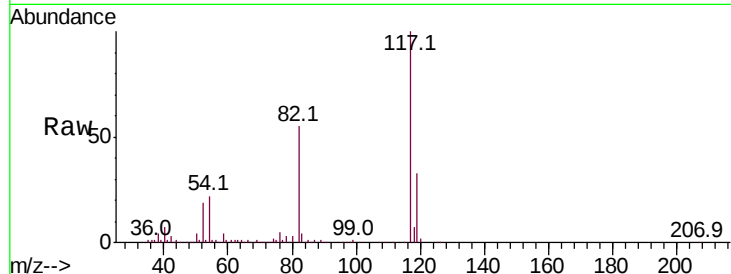




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 930
Delta R.T. 0.02 min
Lab File: VF060620.D
Acq: 6 Nov 2018 18:52

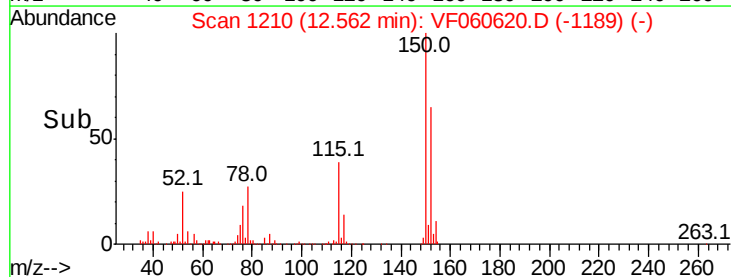
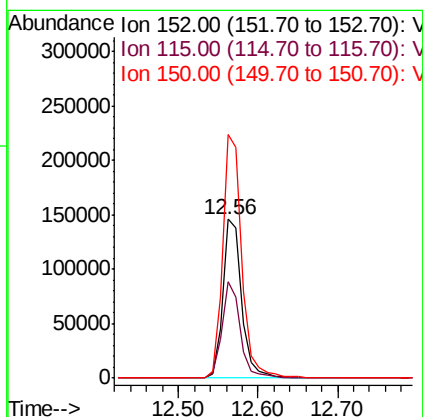
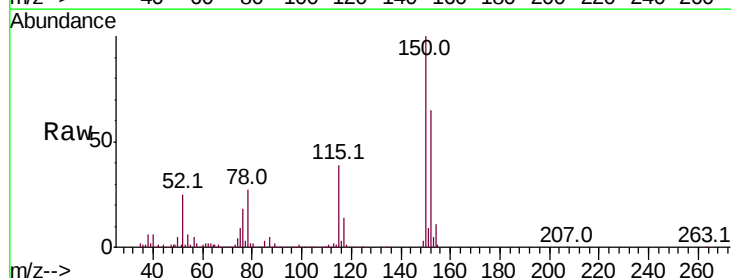
Instrument :
MSVOA_F
ClientSampleId :

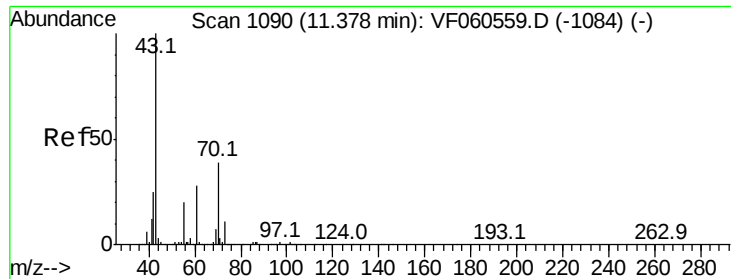
Tot Ion:117 Resp: 484162
Ion Ratio Lower Upper
117 100
82 55.2 43.9 65.9
119 33.4 27.4 41.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. 0.01 min
Lab File: VF060620.D
Acq: 6 Nov 2018 18:52

Tgt Ion:152 Resp: 244357
Ion Ratio Lower Upper
152 100
115 60.6 29.6 88.8
150 153.5 0.0 315.6





#74
 N-amvl acetate
 Concen: Below Cal
 RT: 11.37 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VF060620.D
 Acq: 6 Nov 2018 18:52

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion: 43 Resp: 578
 Ion Ratio Lower Upper
 43 100
 70 13.8 30.9 46.3#
 55 65.0 16.6 24.8#
 61 0.0 22.0 33.0#

