

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071818\
 Data File : VF059526.D
 Acq On : 18 Jul 2018 21:43
 Operator : VA/AP
 Sample : J4013-01
 Misc : 6.78g/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 19 01:35:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

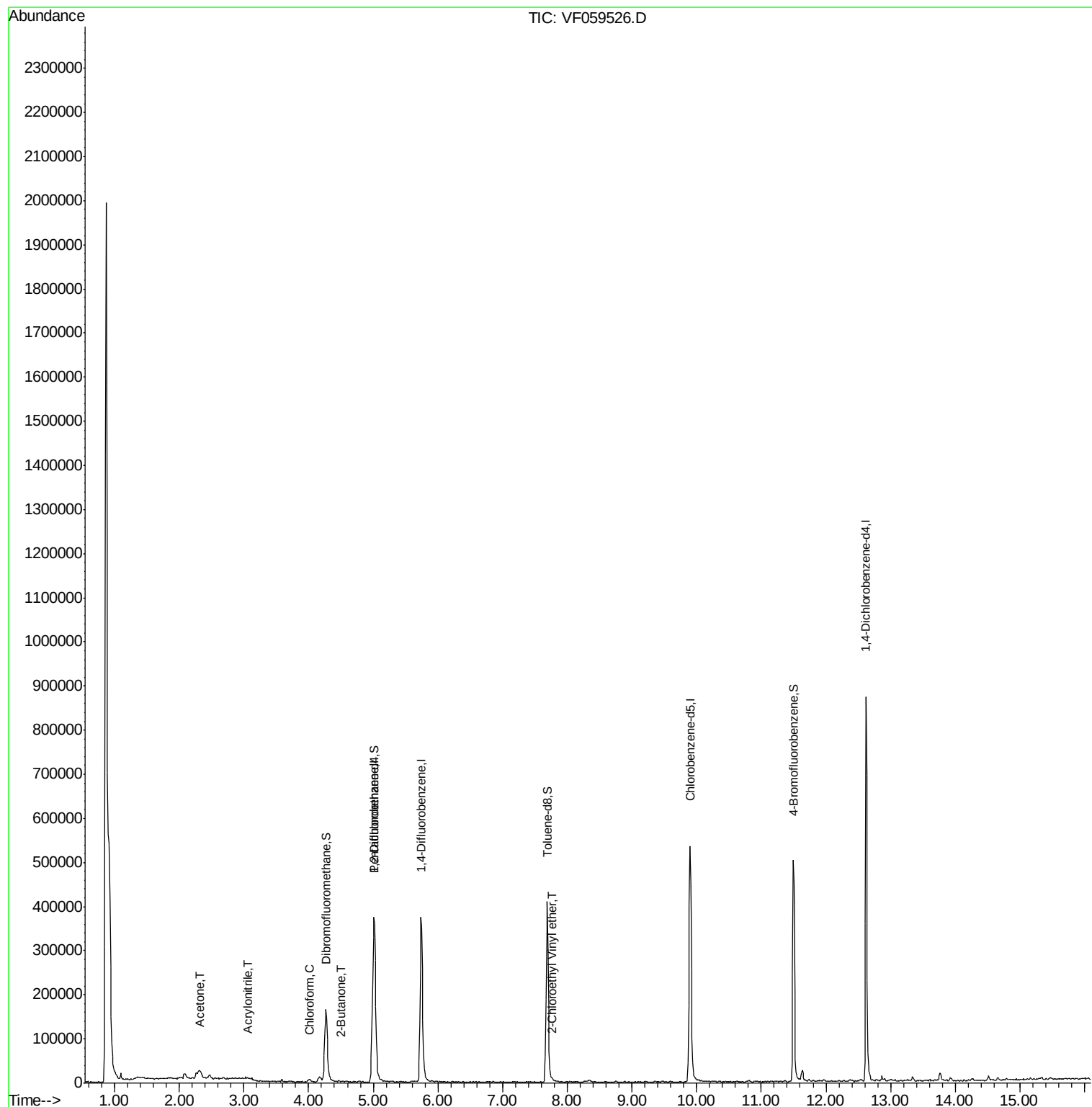
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	251755	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.74	114	386046	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.90	117	373727	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.62	152	224215	50.00	ug/l	-0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	185455	47.37	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	94.74%	
35) Dibromofluoromethane	4.27	113	153576	45.93	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	91.86%	
50) Toluene-d8	7.69	98	331303	39.34	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	78.68%	
62) 4-Bromofluorobenzene	11.50	95	176767	40.01	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	80.02%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.66	59	415	Below Cal	#	1
13) Acrolein	2.09	56	680	Below Cal	#	1
15) Acrylonitrile	3.05	53	439	1.336	ug/l #	73
16) Acetone	2.33	43	19539	6.573	ug/l	98
18) Methyl Acetate	2.48	43	3140	Below Cal	#	67
20) Methylene Chloride	2.31	84	6226	Below Cal	#	85
25) 2-Butanone	4.50	43	1222	1.344	ug/l #	60
29) Tetrahydrofuran	4.22	42	257	Below Cal	#	61
30) Chloroform	4.00	83	6225	1.057	ug/l	95
37) Ethyl Acetate	4.33	43	476	Below Cal	#	41
49) 1,4-Dioxane	6.56	88	143	Below Cal	#	55
58) 2-Chloroethyl Vinyl ether	7.77	63	313	1.357	ug/l	100

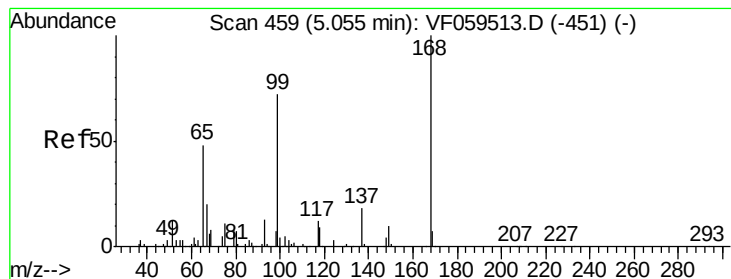
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jul 18 04:09:10 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.04 min

Lab File: VF059526.D

Acq: 18 Jul 2018 21:43

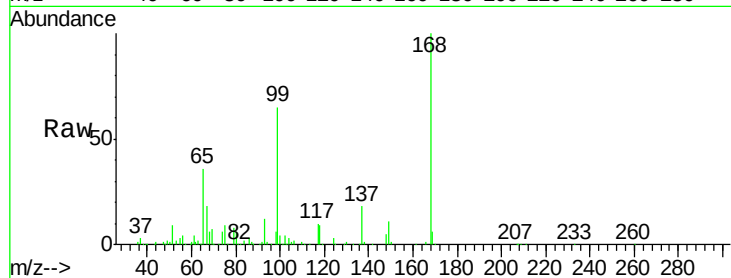
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 251755

Ion Ratio Lower Upper

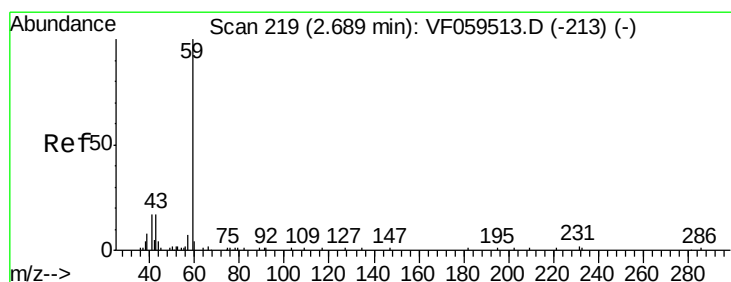
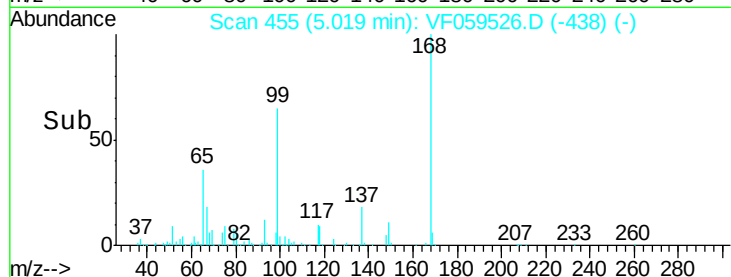
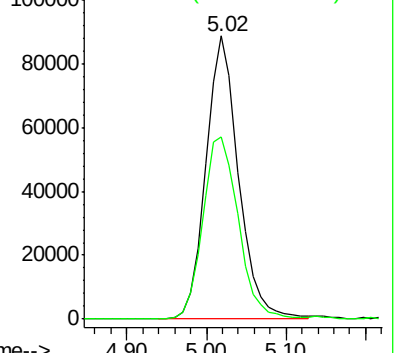
168 100

99 64.6 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.66 min Scan# 216

Delta R.T. -0.03 min

Lab File: VF059526.D

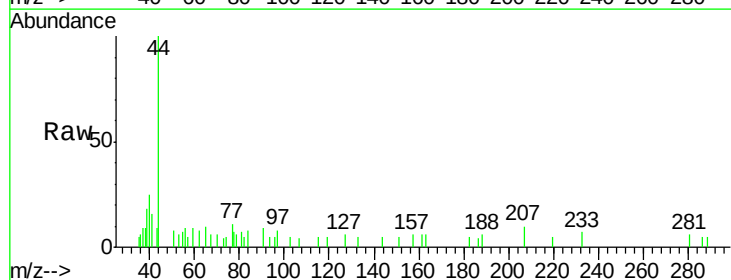
Acq: 18 Jul 2018 21:43

Tgt Ion: 59 Resp: 415

Ion Ratio Lower Upper

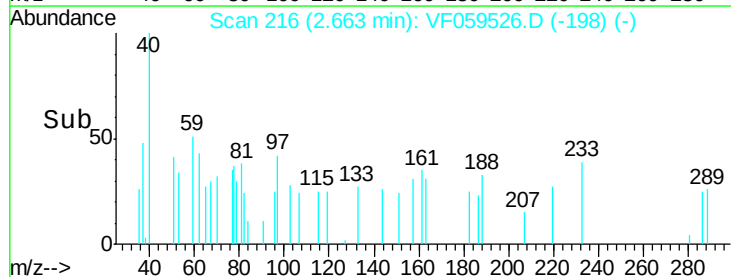
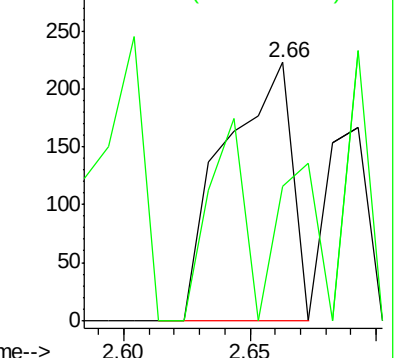
59 100

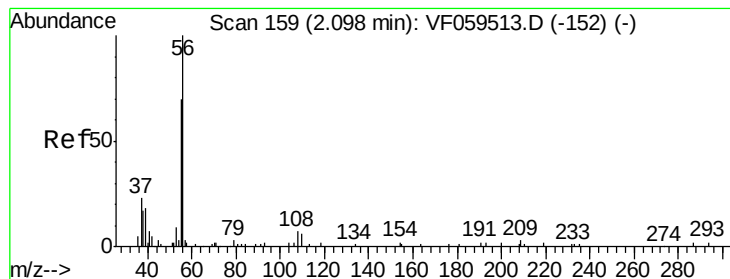
57 52.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#13

Acrolein

Concen: Below Cal

RT: 2.09 min Scan# 158

Delta R.T. -0.01 min

Lab File: VF059526.D

Acq: 18 Jul 2018 21:43

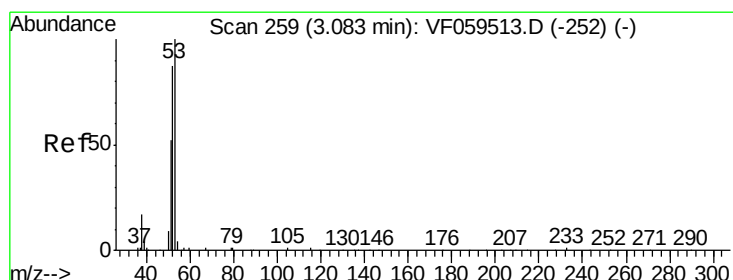
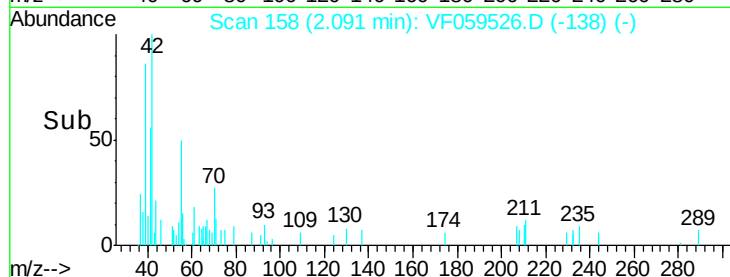
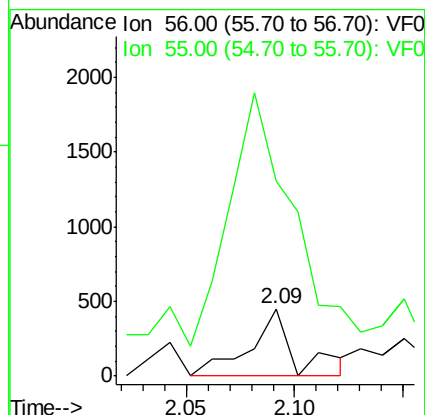
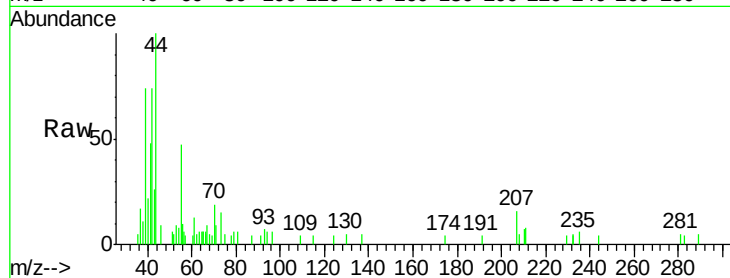
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 680

Ion Ratio Lower Upper

56 100

55 288.1 59.4 89.2#



#15

Acrylonitrile

Concen: 1.336 ug/l

RT: 3.05 min Scan# 255

Delta R.T. -0.04 min

Lab File: VF059526.D

Acq: 18 Jul 2018 21:43

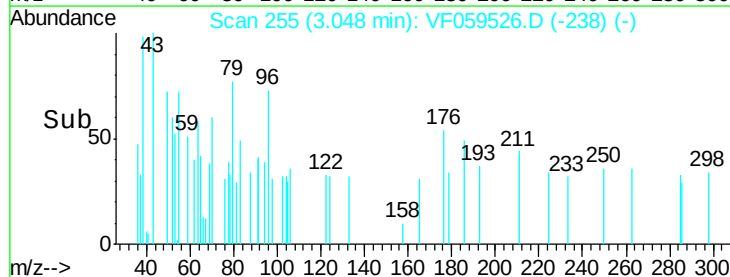
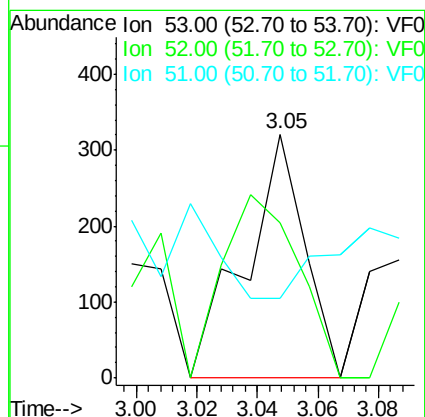
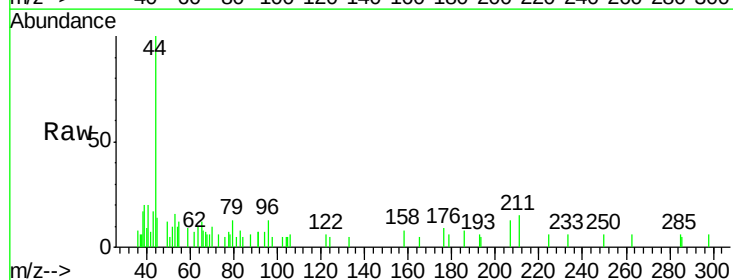
Tgt Ion: 53 Resp: 439

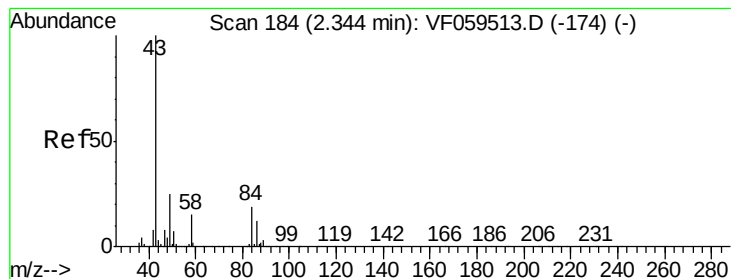
Ion Ratio Lower Upper

53 100

52 63.9 70.1 105.1#

51 32.7 42.5 63.7#





#16

Acetone

Concen: 6.573 ug/l

RT: 2.33 min Scan# 182

Delta R.T. -0.02 min

Lab File: VF059526.D

Acq: 18 Jul 2018 21:43

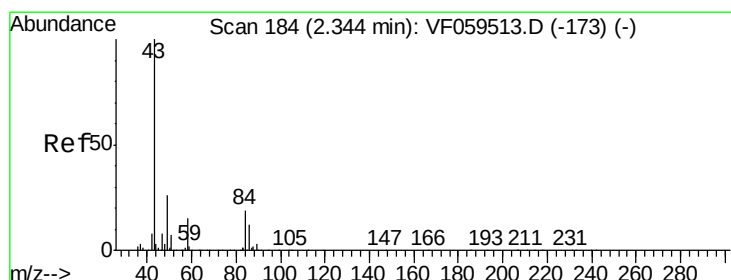
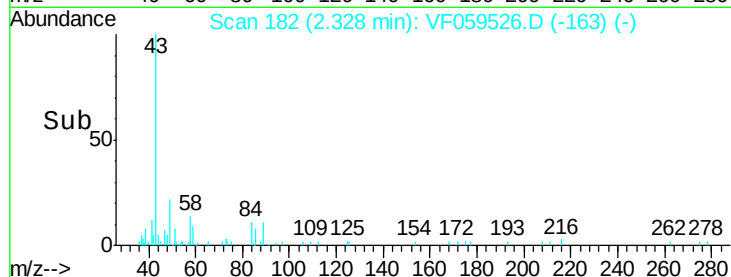
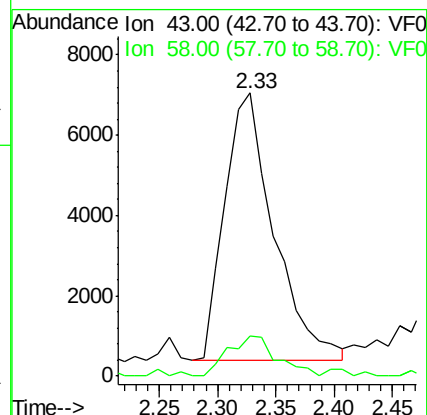
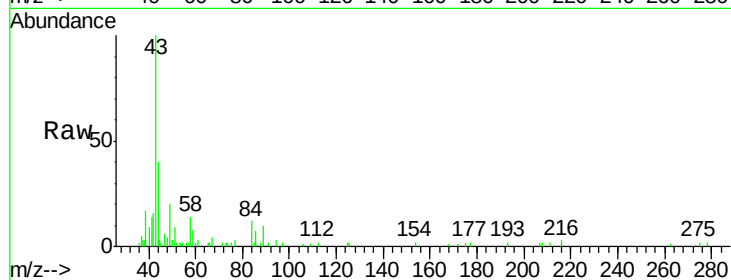
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 19539

Ion Ratio Lower Upper

43 100

58 14.1 11.8 17.6



#20

Methylene Chloride

Concen: Below Cal

RT: 2.31 min Scan# 180

Delta R.T. -0.04 min

Lab File: VF059526.D

Acq: 18 Jul 2018 21:43

Tgt Ion: 84 Resp: 6226

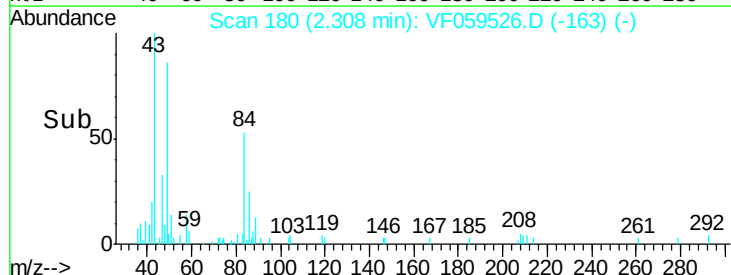
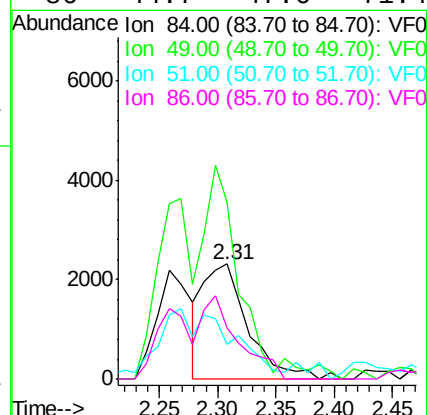
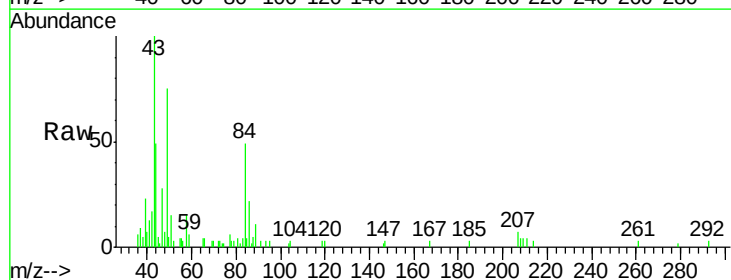
Ion Ratio Lower Upper

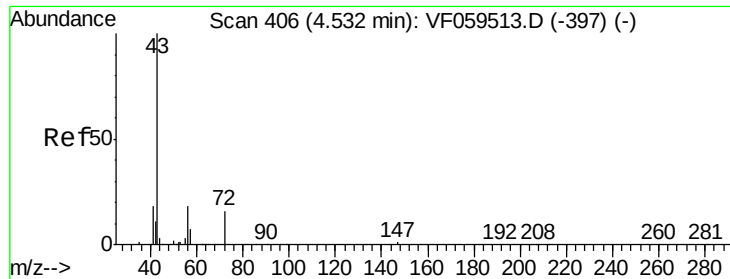
84 100

49 153.4 109.4 164.2

51 29.8 30.5 45.7#

86 44.7 47.6 71.4#





#25

2-Butanone

Concen: 1.344 ug/l

RT: 4.50 min Scan# 402

Delta R.T. -0.04 min

Lab File: VF059526.D

Acq: 18 Jul 2018 21:43

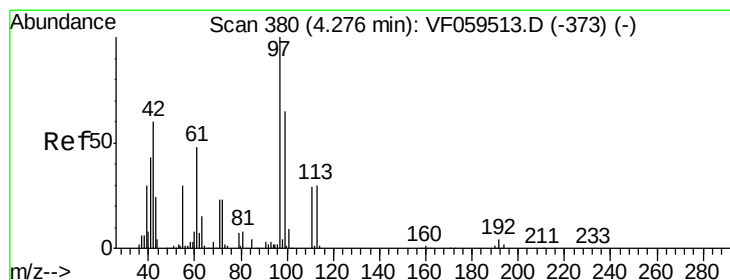
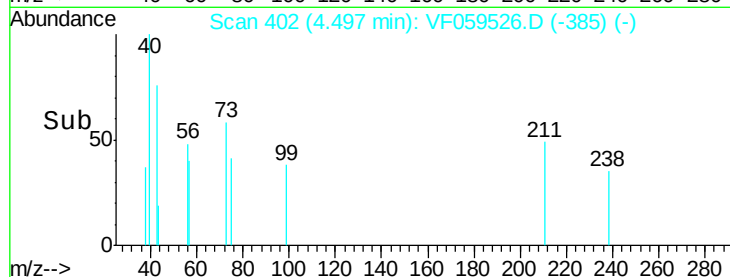
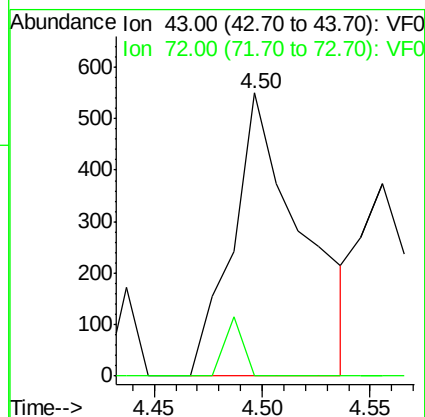
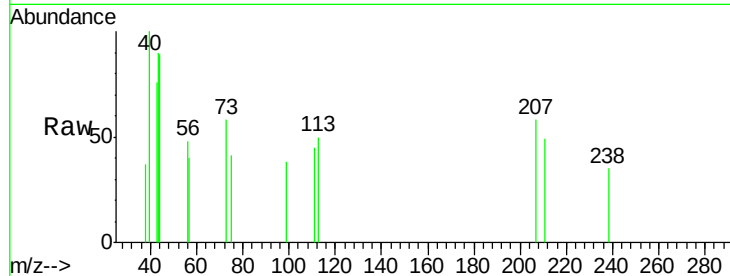
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 1222

Ion Ratio Lower Upper

43 100

72 0.0 14.2 21.4#



#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.22 min Scan# 374

Delta R.T. -0.06 min

Lab File: VF059526.D

Acq: 18 Jul 2018 21:43

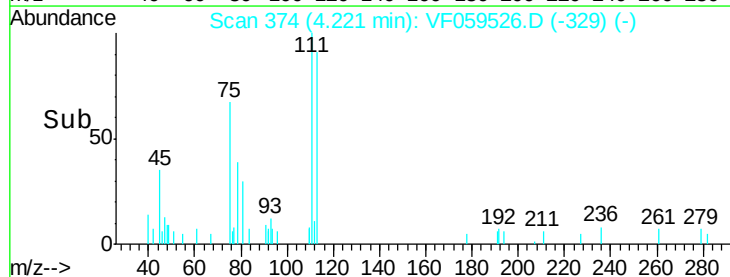
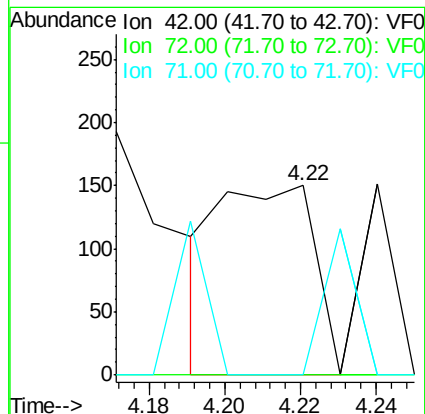
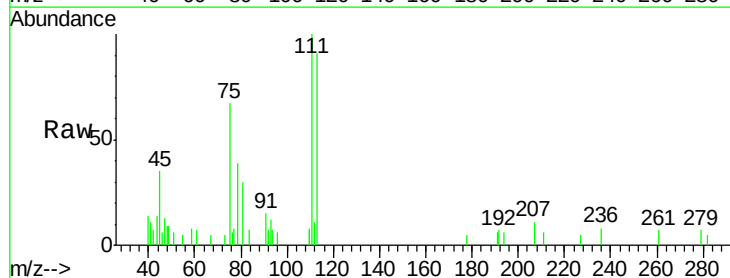
Tgt Ion: 42 Resp: 257

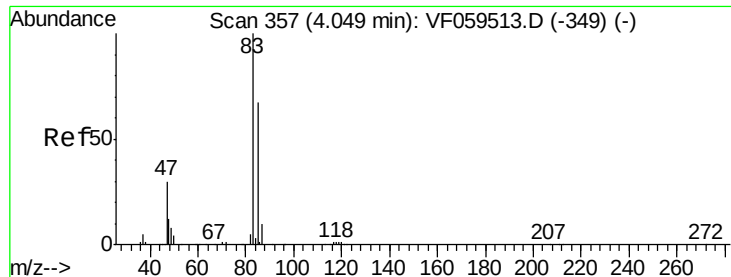
Ion Ratio Lower Upper

42 100

72 0.0 28.7 43.1#

71 26.8 30.8 46.2#

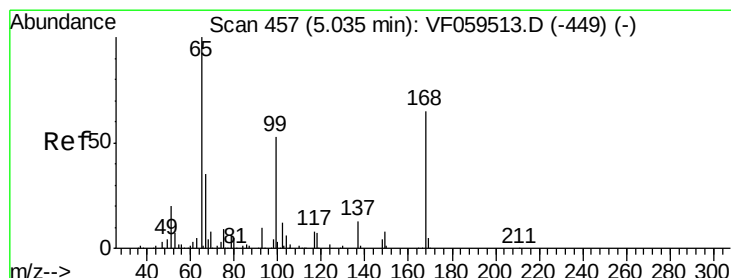
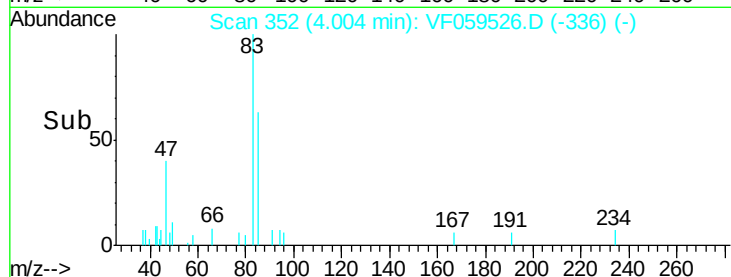
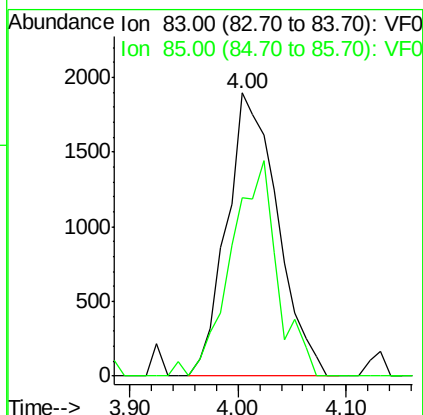
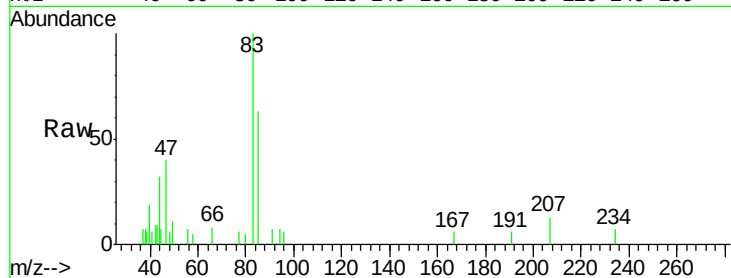




#30
Chloroform
Concen: 1.057 ug/l
RT: 4.00 min Scan# 352
Delta R.T. -0.05 min
Lab File: VF059526.D
Acq: 18 Jul 2018 21:43

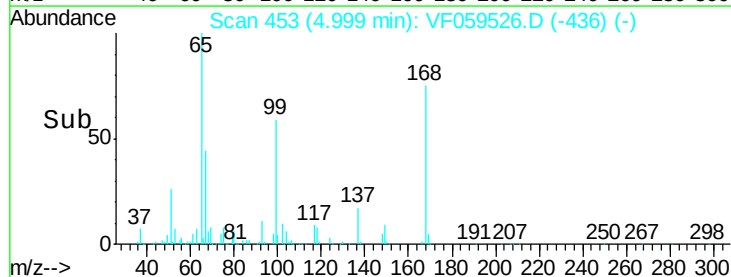
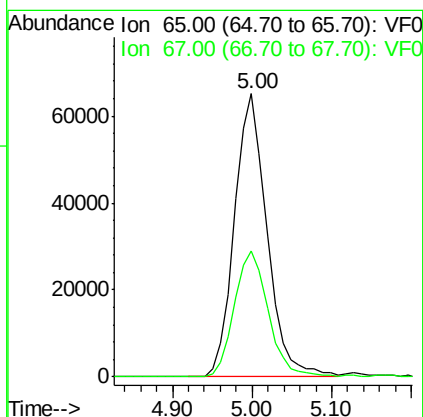
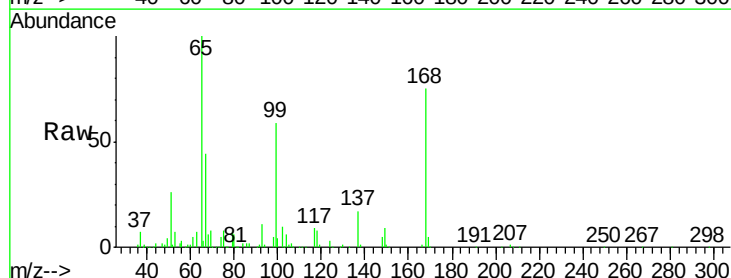
Instrument :
MSVOA_F
ClientSampleId :

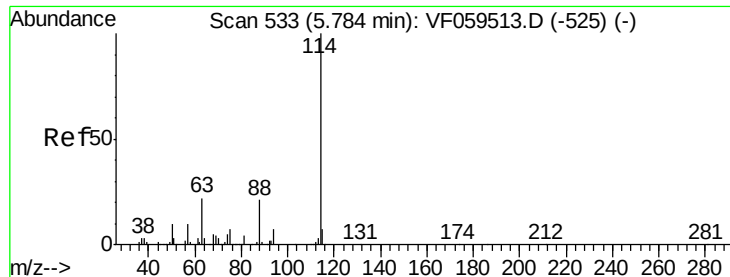
Tot Ion: 83 Resp: 6225
Ion Ratio Lower Upper
83 100
85 62.8 53.2 79.8



#33
1,2-Dichloroethane-d4
Concen: 47.365 ug/l
RT: 5.00 min Scan# 453
Delta R.T. -0.04 min
Lab File: VF059526.D
Acq: 18 Jul 2018 21:43

Tgt Ion: 65 Resp: 185455
Ion Ratio Lower Upper
65 100
67 44.4 0.0 91.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.74 min Scan# 528

Delta R.T. -0.05 min

Lab File: VF059526.D

Acq: 18 Jul 2018 21:43

Instrument :

MSVOA_F

ClientSampleId :

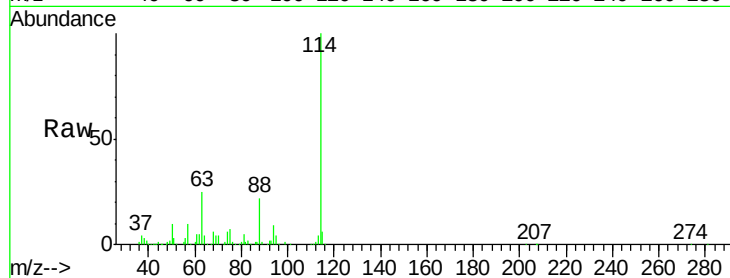
Tot Ion:114 Resp: 386046

Ion Ratio Lower Upper

114 100

63 25.1 0.0 44.8

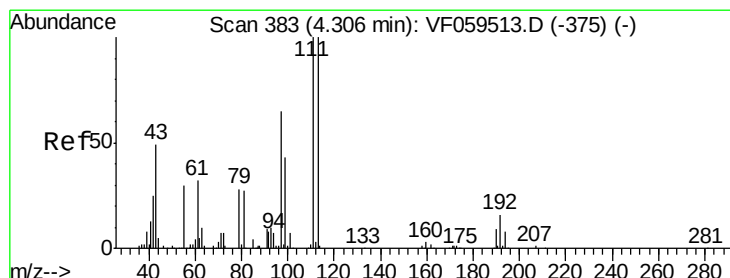
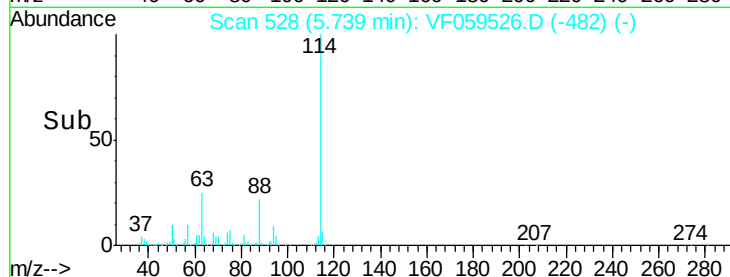
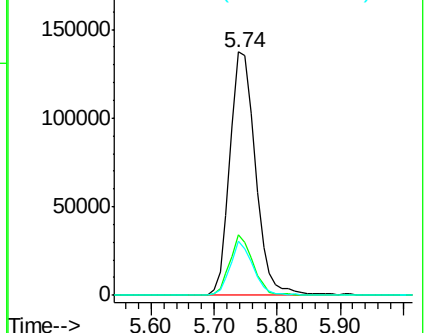
88 22.1 0.0 42.6



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: 45.933 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.04 min

Lab File: VF059526.D

Acq: 18 Jul 2018 21:43

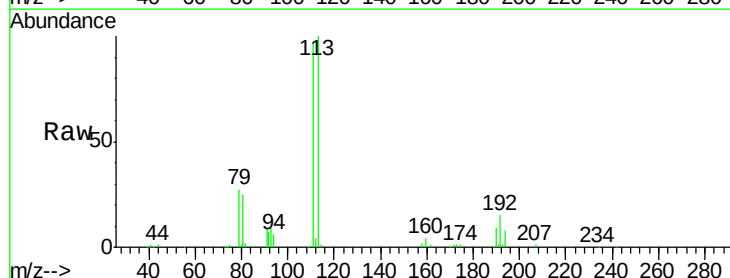
Tgt Ion:113 Resp: 153576

Ion Ratio Lower Upper

113 100

111 96.9 80.3 120.5

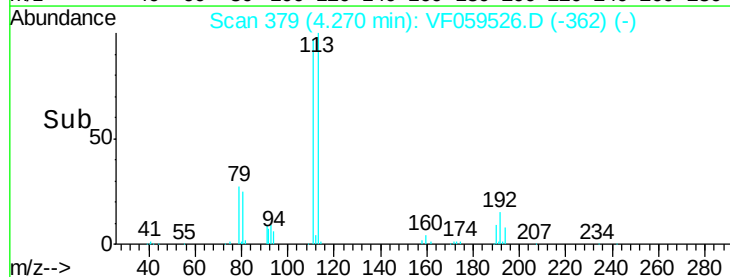
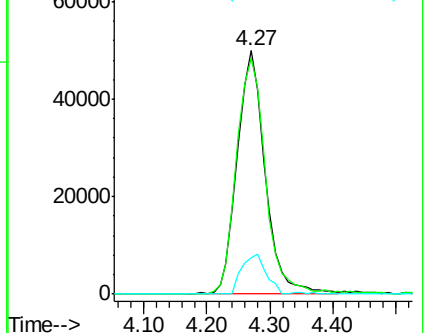
192 14.8 13.1 19.7

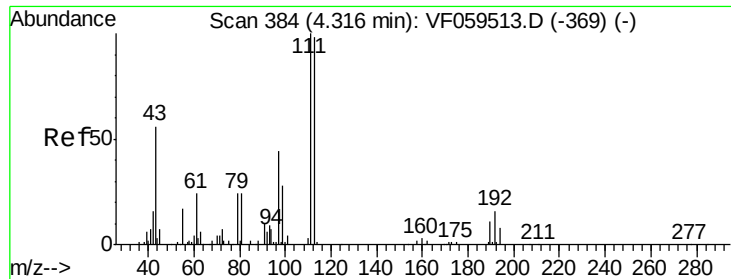


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

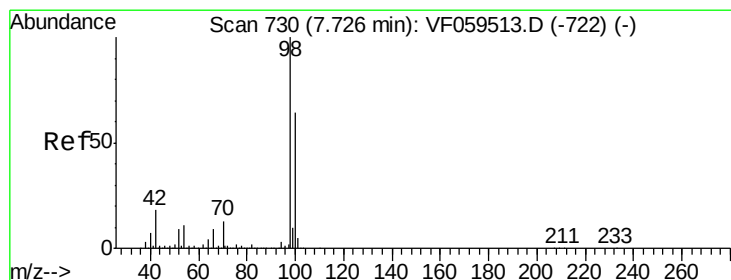
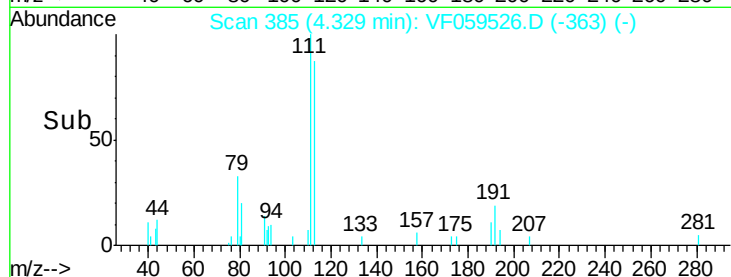
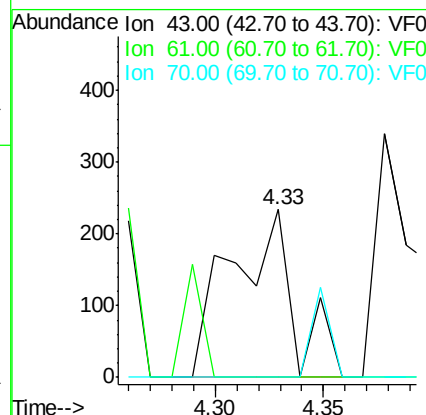
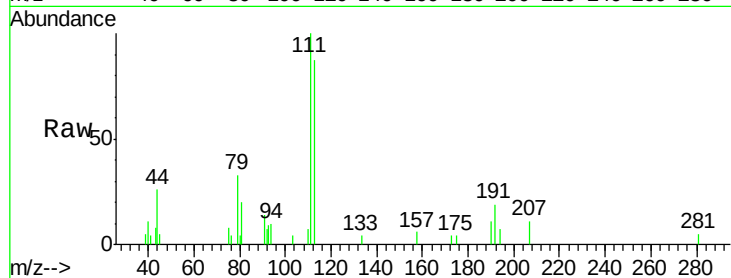




#37
Ethyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 385
Delta R.T. 0.01 min
Lab File: VF059526.D
Acq: 18 Jul 2018 21:43

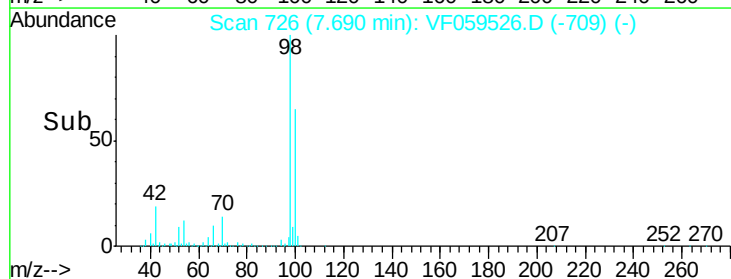
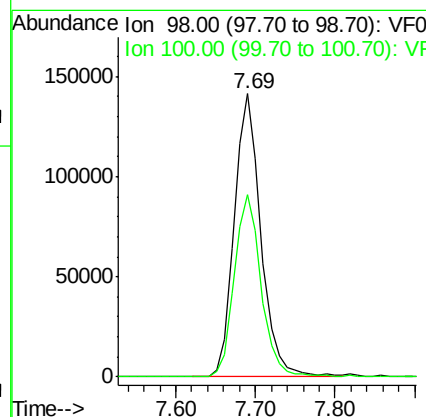
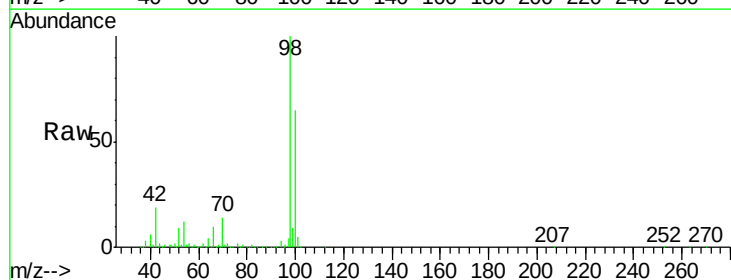
Instrument :
MSVOA_F
ClientSampleId :

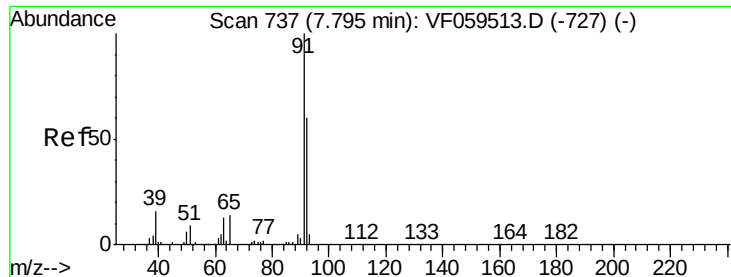
Tot Ion: 43 Resp: 476
Ion Ratio Lower Upper
43 100
61 0.0 33.7 50.5#
70 0.0 7.4 11.0#



#50
Toluene-d8
Concen: 39.338 ug/l
RT: 7.69 min Scan# 726
Delta R.T. -0.04 min
Lab File: VF059526.D
Acq: 18 Jul 2018 21:43

Tgt Ion: 98 Resp: 331303
Ion Ratio Lower Upper
98 100
100 64.6 50.9 76.3

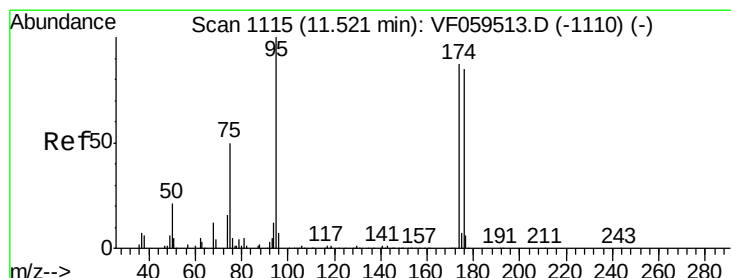
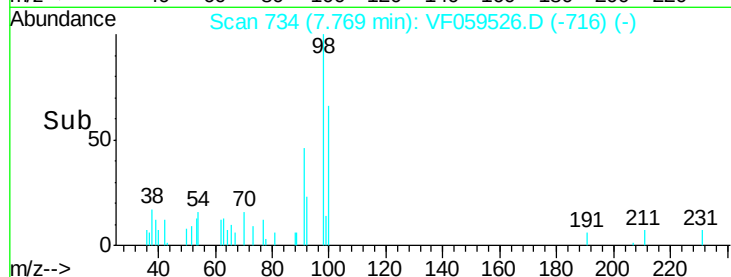
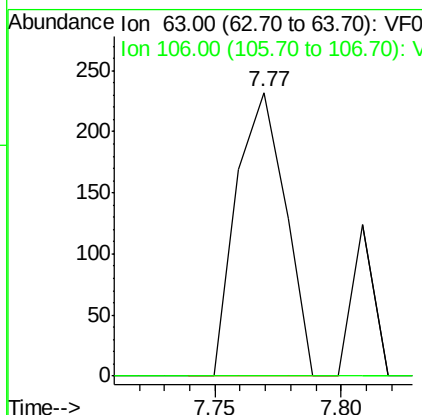
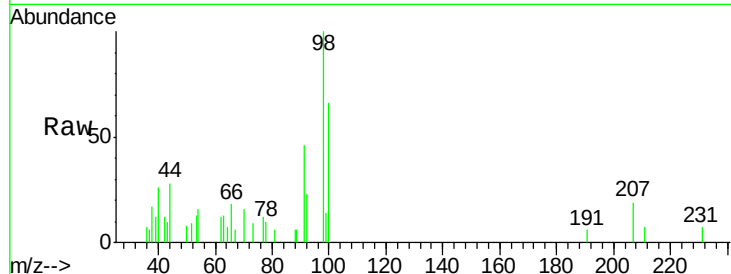




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.357 ug/l
 RT: 7.77 min Scan# 734
 Delta R.T. -0.03 min
 Lab File: VF059526.D
 Acq: 18 Jul 2018 21:43

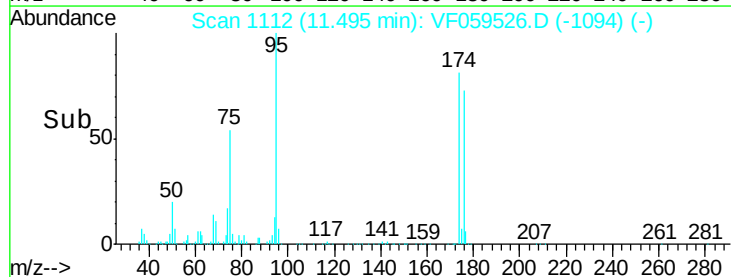
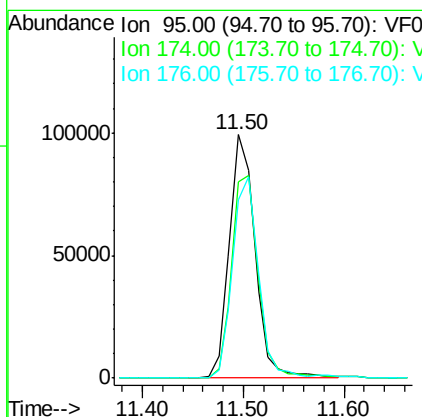
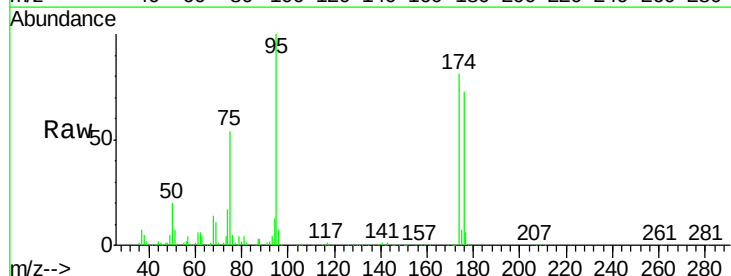
Instrument :
 MSVOA_F
 ClientSampled :

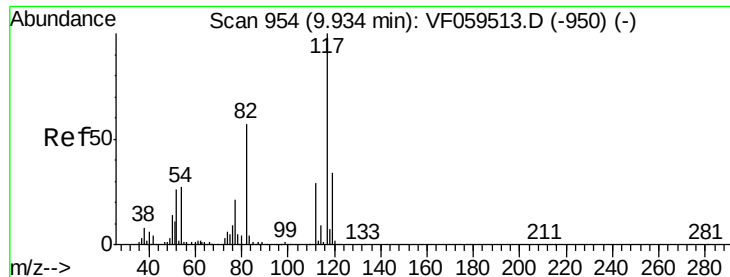
Tot Ion: 63 Resp: 313
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#62
 4-Bromofluorobenzene
 Concen: 40.009 ug/l
 RT: 11.50 min Scan# 1112
 Delta R.T. -0.03 min
 Lab File: VF059526.D
 Acq: 18 Jul 2018 21:43

Tgt Ion: 95 Resp: 176767
 Ion Ratio Lower Upper
 95 100
 174 80.6 0.0 174.4
 176 73.1 0.0 169.4

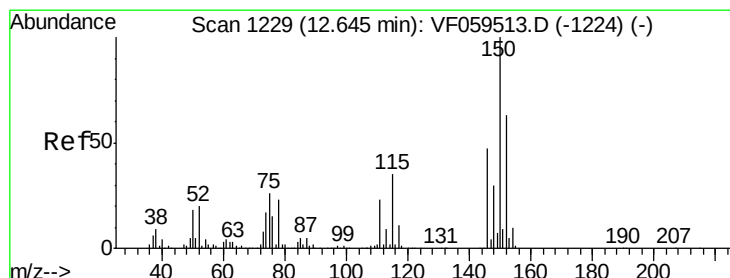
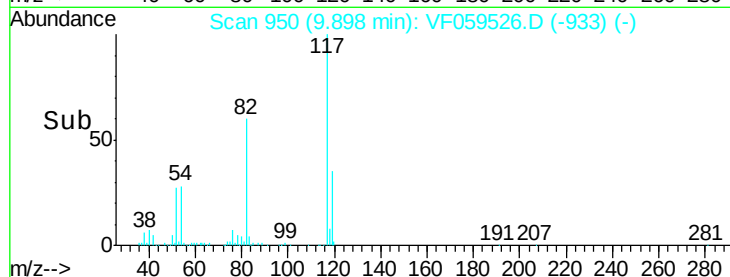
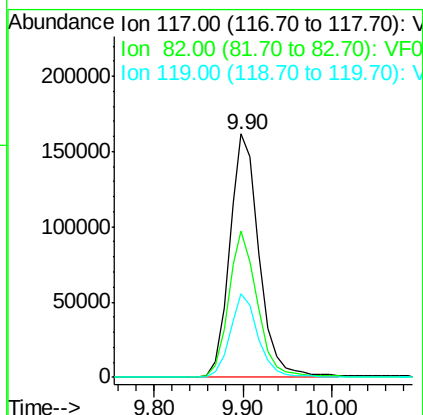
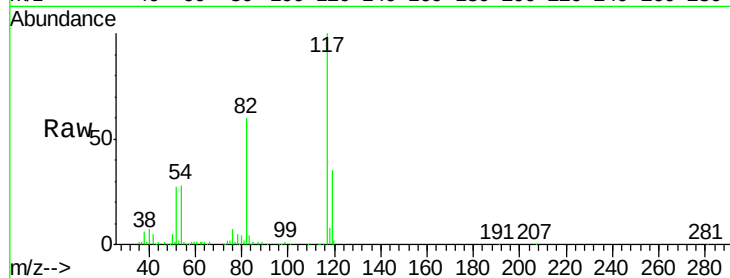




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.04 min
Lab File: VF059526.D
Acq: 18 Jul 2018 21:43

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 373727
Ion Ratio Lower Upper
117 100
82 59.9 46.1 69.1
119 34.5 27.2 40.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. -0.03 min
Lab File: VF059526.D
Acq: 18 Jul 2018 21:43

Tgt Ion:152 Resp: 224215
Ion Ratio Lower Upper
152 100
115 61.2 27.8 83.3
150 149.5 0.0 318.4

