

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071818\
 Data File : VF059537.D
 Acq On : 19 Jul 2018 2:45
 Operator : VA/AP
 Sample : J3991-01
 Misc : 5.97g/5mL/MSVOA F/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 19 05:55:09 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

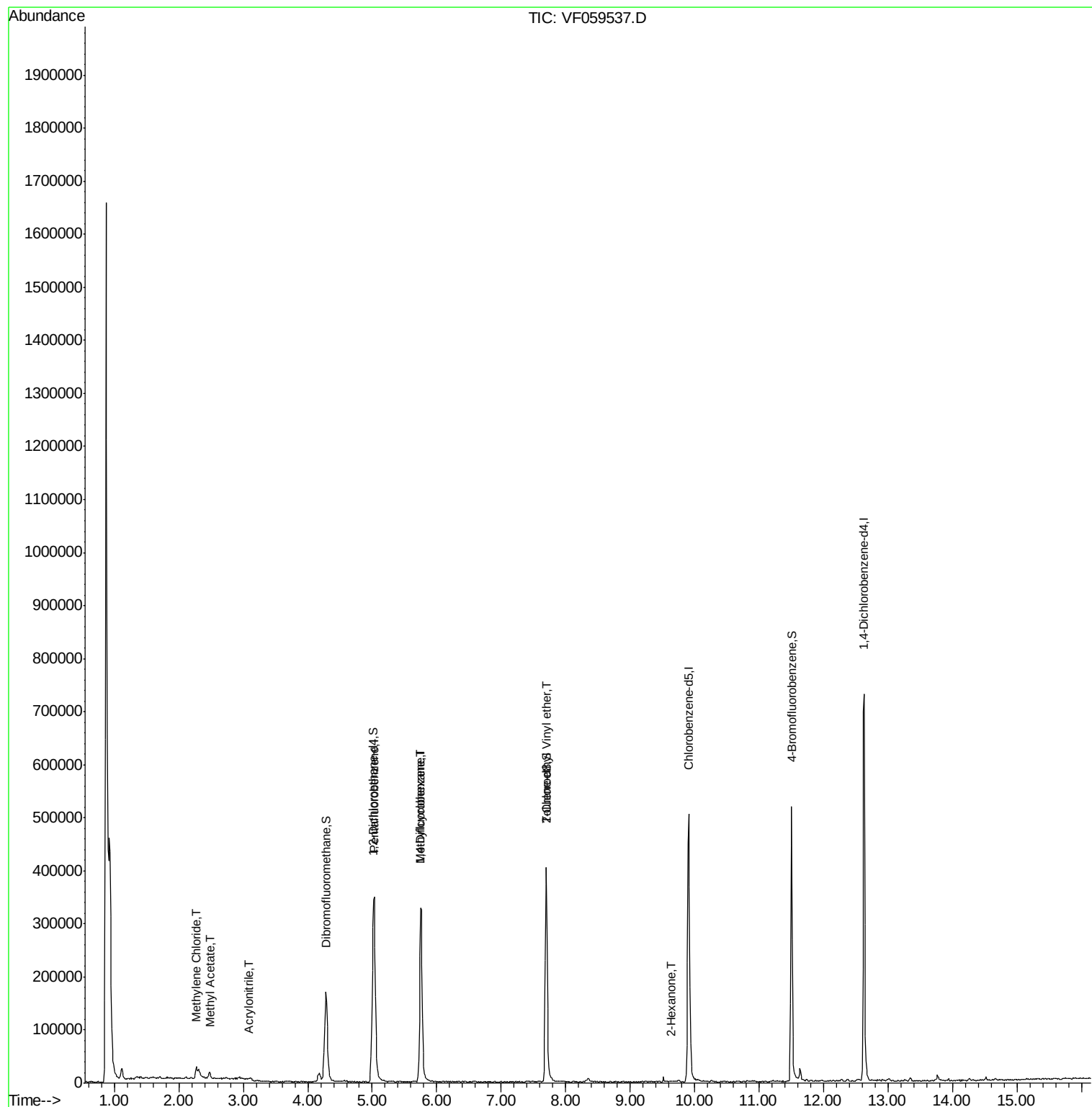
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	229316	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	337932	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.91	117	358336	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	199619	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	177088	49.65	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	99.30%	
35) Dibromofluoromethane	4.28	113	153254	52.36	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	104.72%	
50) Toluene-d8	7.70	98	336250	45.61	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	91.22%	
62) 4-Bromofluorobenzene	11.51	95	178700	46.21	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	92.42%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.66	59	488	Below Cal	#	1
13) Acrolein	1.99	56	344	Below Cal		96
15) Acrylonitrile	3.08	53	947	3.165 ug/l	#	40
16) Acetone	2.33	43	5360	Below Cal	#	78
18) Methyl Acetate	2.48	43	4612	1.290 ug/l	#	67
20) Methylene Chloride	2.27	84	15246	5.386 ug/l	#	75
29) Tetrahydrofuran	4.26	42	1363	Below Cal	#	50
37) Ethyl Acetate	4.29	43	279	Below Cal	#	41
39) Methylcyclohexane	5.75	83	4797	1.869 ug/l	#	40
49) 1,4-Dioxane	6.80	88	94	Below Cal	#	64
58) 2-Chloroethyl Vinyl ether	7.71	63	354	1.753 ug/l		100
59) 2-Hexanone	9.62	43	2062	1.584 ug/l		75

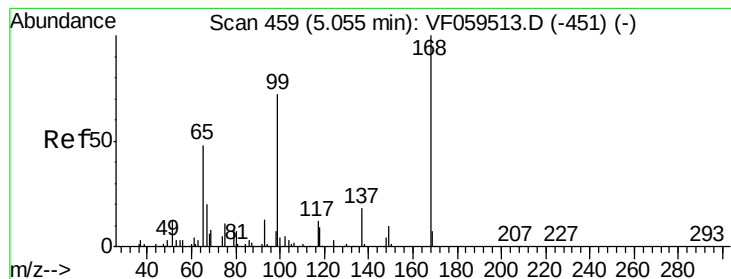
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.97a/5mL/MSVOA F/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :

Quant Time: Jul 19 05:55:09 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
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: 5.03 min Scan# 456

Delta R.T. -0.02 min

Lab File: VF059537.D

Acq: 19 Jul 2018 2:45

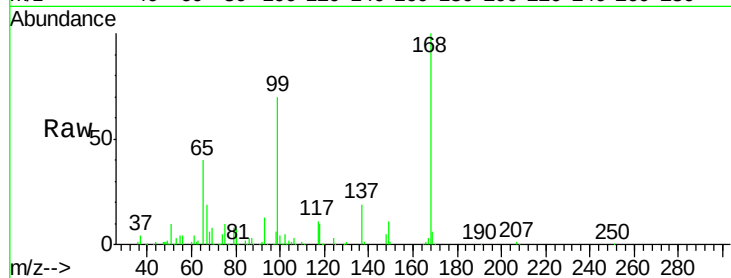
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 229316

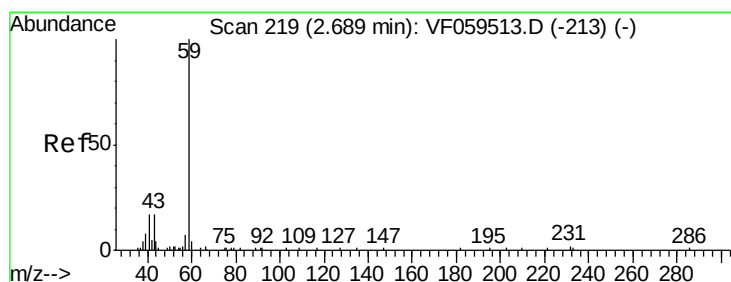
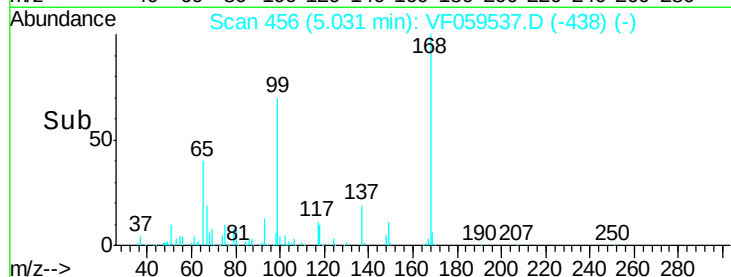
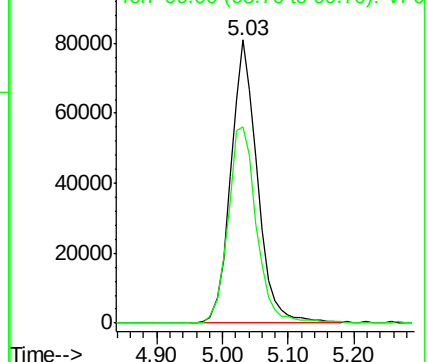
Ion Ratio Lower Upper

168 100

99 69.6 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.66 min Scan# 215

Delta R.T. -0.03 min

Lab File: VF059537.D

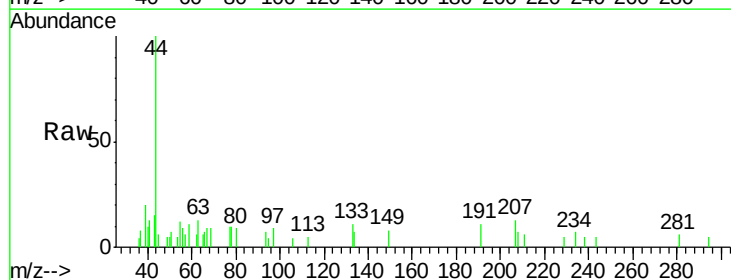
Acq: 19 Jul 2018 2:45

Tgt Ion: 59 Resp: 488

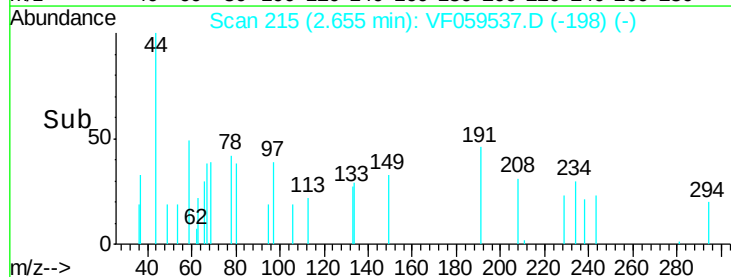
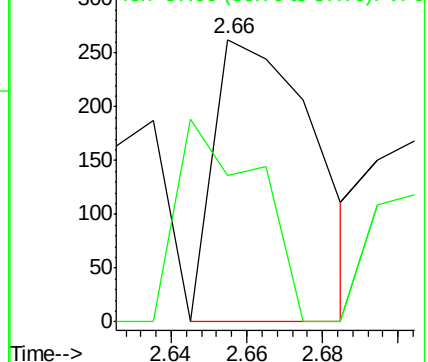
Ion Ratio Lower Upper

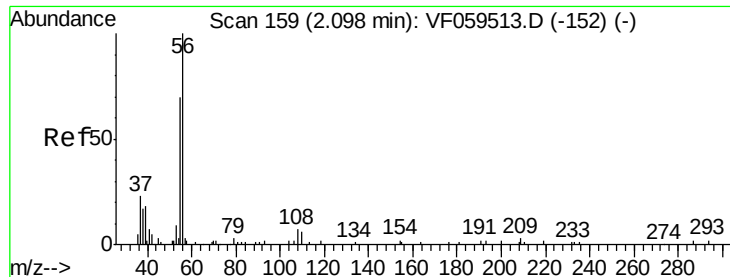
59 100

57 51.7 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VF0





#13

Acrolein

Concen: Below Cal

RT: 1.99 min Scan# 148

Delta R.T. -0.10 min

Lab File: VF059537.D

Acq: 19 Jul 2018 2:45

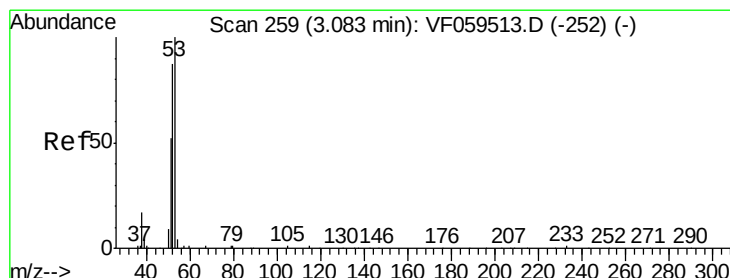
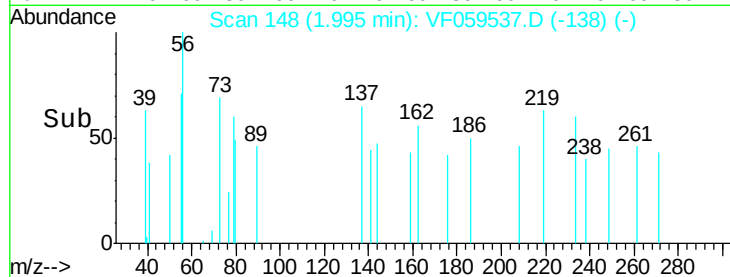
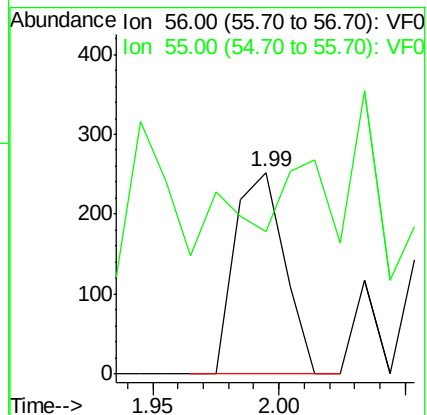
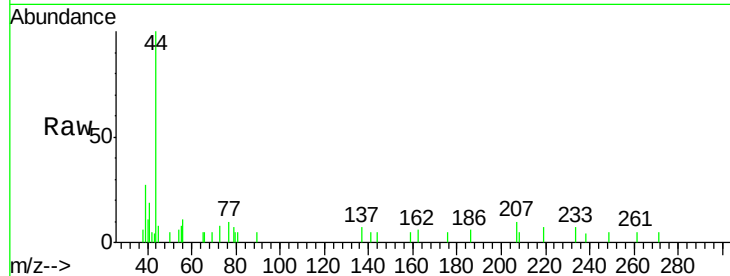
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 344

Ion Ratio Lower Upper

56 100

55 70.6 59.4 89.2



#15

Acrylonitrile

Concen: 3.165 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.00 min

Lab File: VF059537.D

Acq: 19 Jul 2018 2:45

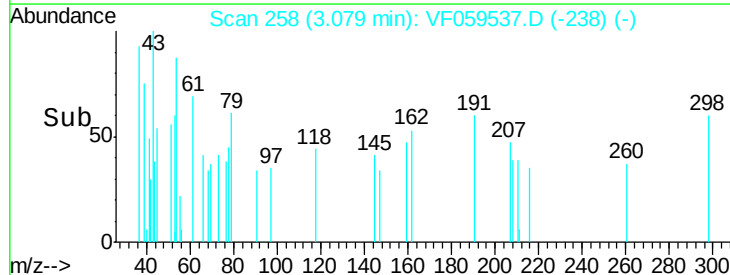
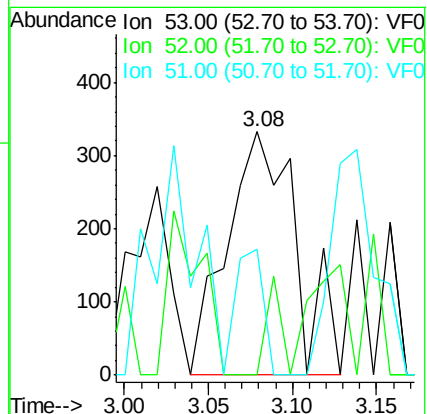
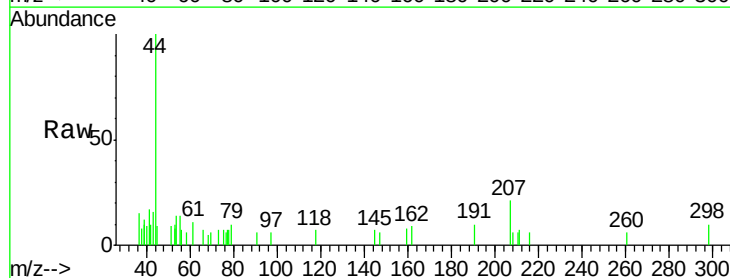
Tgt Ion: 53 Resp: 947

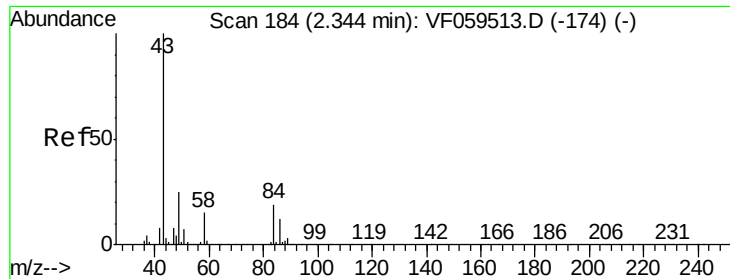
Ion Ratio Lower Upper

53 100

52 0.0 70.1 105.1#

51 51.7 42.5 63.7





#16

Acetone

Concen: Below Cal

RT: 2.33 min Scan# 182

Delta R.T. -0.01 min

Lab File: VF059537.D

Acq: 19 Jul 2018 2:45

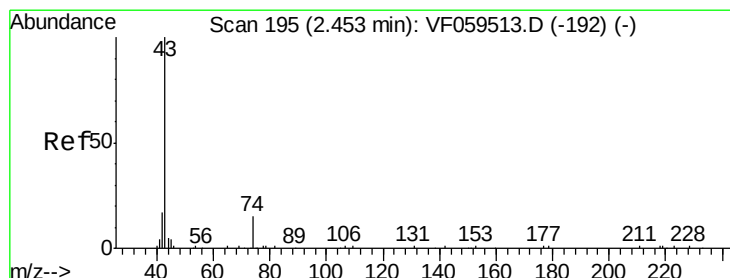
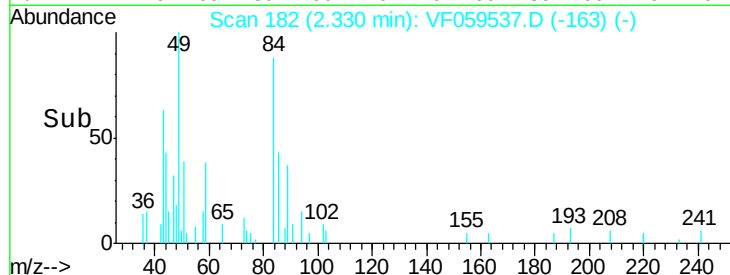
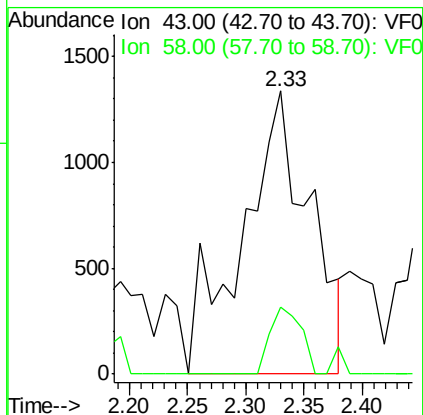
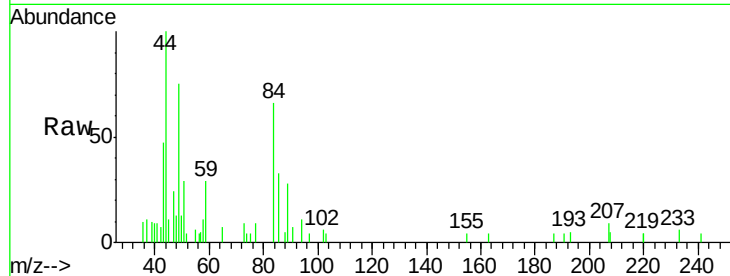
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 5360

Ion Ratio Lower Upper

43 100

58 23.8 11.8 17.6#



#18

Methyl Acetate

Concen: 1.290 ug/l

RT: 2.48 min Scan# 197

Delta R.T. 0.03 min

Lab File: VF059537.D

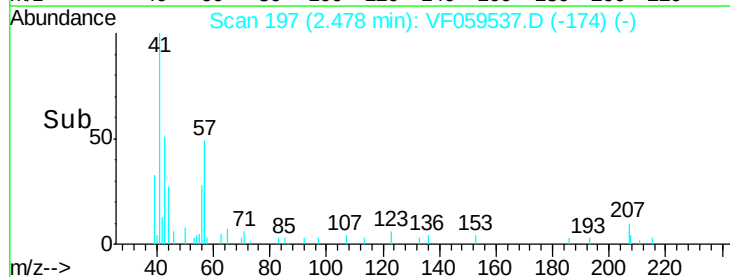
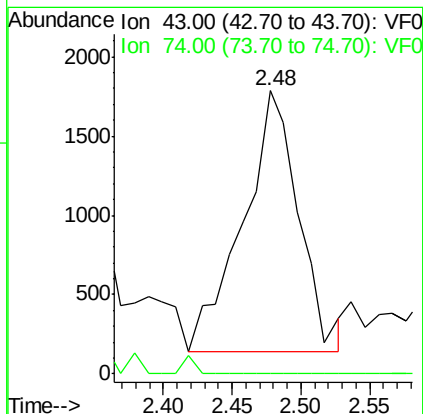
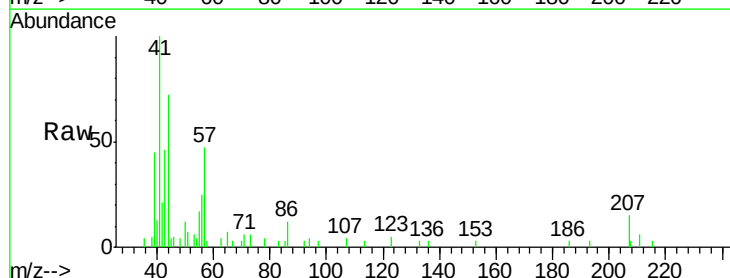
Acq: 19 Jul 2018 2:45

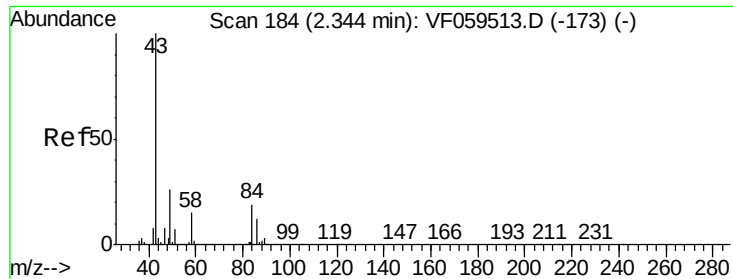
Tgt Ion: 43 Resp: 4612

Ion Ratio Lower Upper

43 100

74 0.0 10.6 15.8#

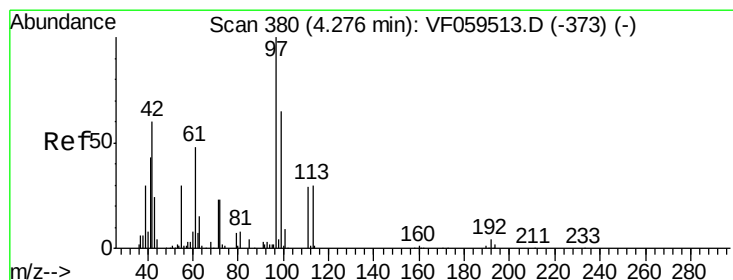
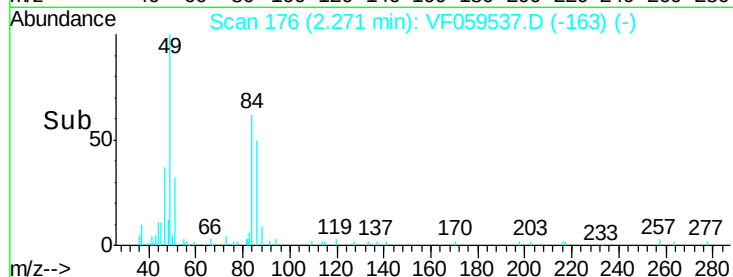
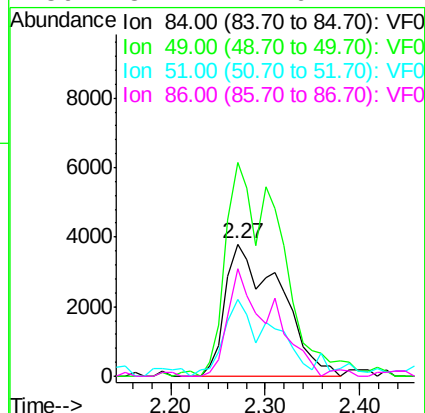
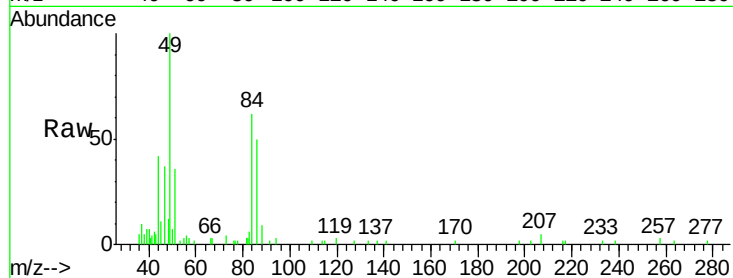




#20
Methylene Chloride
Concen: 5.386 ug/l
RT: 2.27 min Scan# 176
Delta R.T. -0.07 min
Lab File: VF059537.D
Acq: 19 Jul 2018 2:45

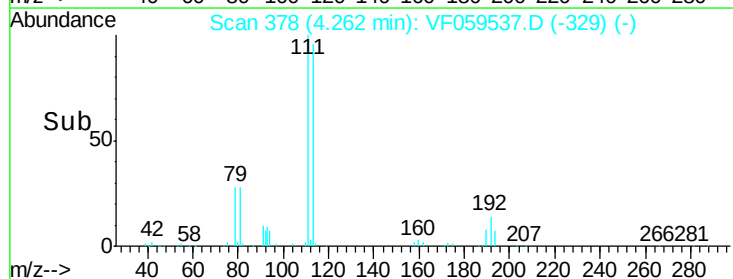
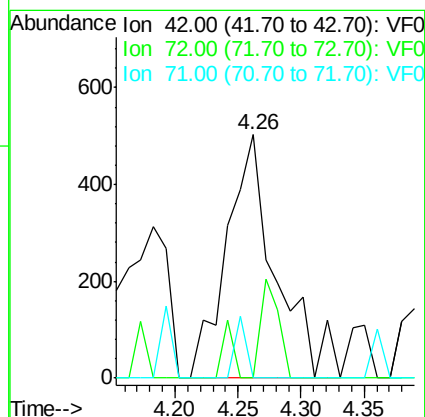
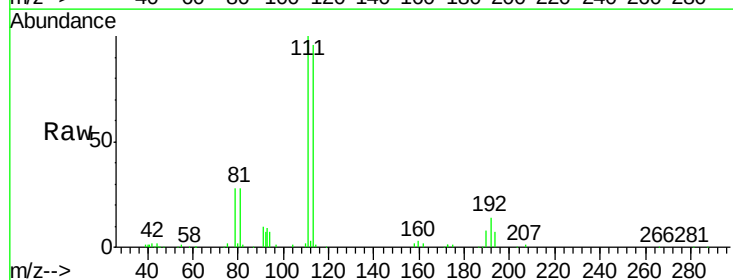
Instrument :
MSVOA_F
ClientSampleId :

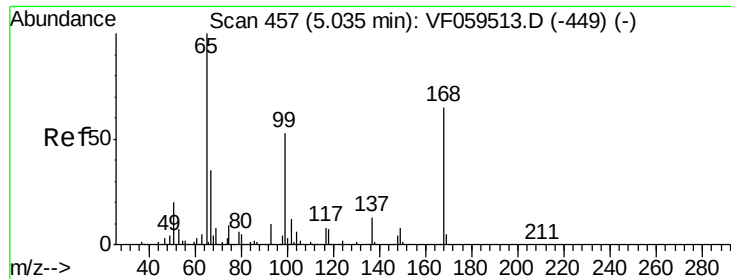
Tot Ion: 84 Resp: 15246
Ion Ratio Lower Upper
84 100
49 161.8 109.4 164.2
51 58.6 30.5 45.7#
86 81.1 47.6 71.4#



#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.26 min Scan# 378
Delta R.T. -0.01 min
Lab File: VF059537.D
Acq: 19 Jul 2018 2:45

Tgt Ion: 42 Resp: 1363
Ion Ratio Lower Upper
42 100
72 14.9 28.7 43.1#
71 0.0 30.8 46.2#

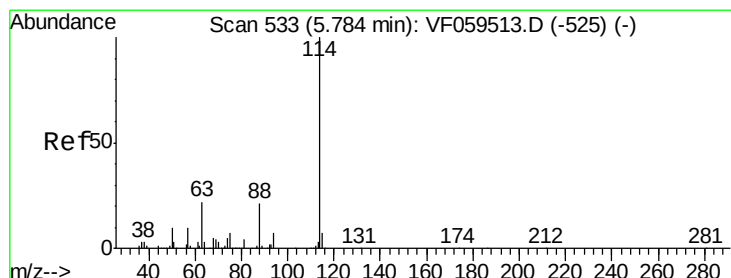
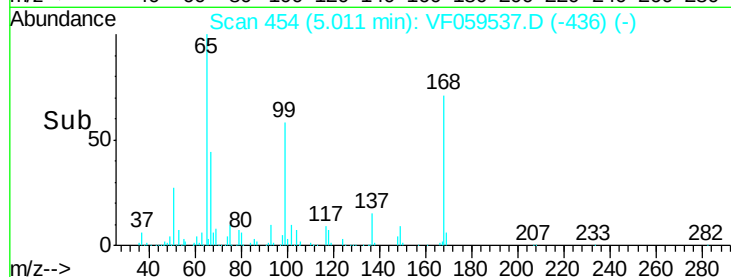
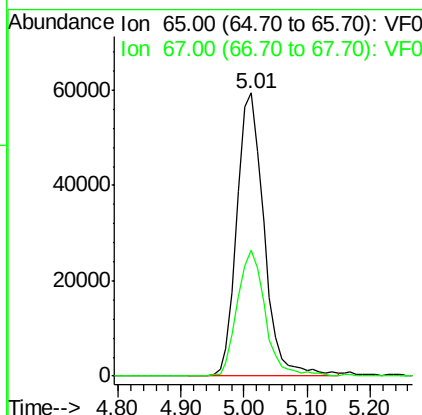
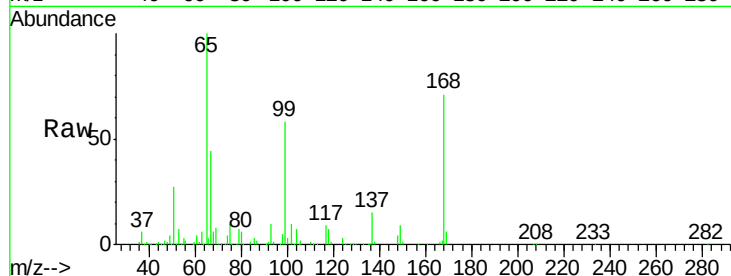




#33
 1,2-Dichloroethane-d4
 Concen: 49.654 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. -0.02 min
 Lab File: VF059537.D
 Acq: 19 Jul 2018 2:45

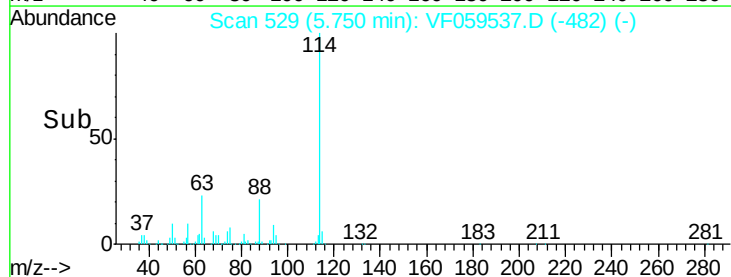
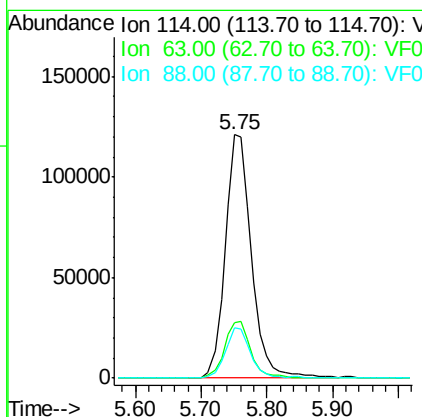
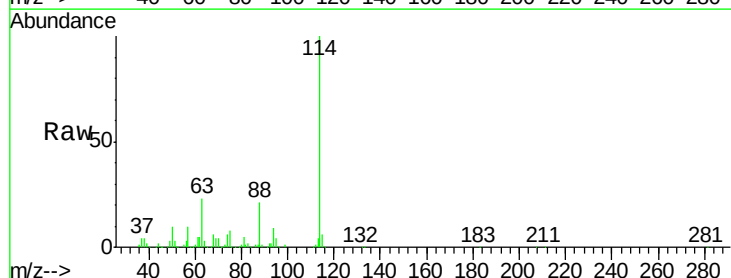
Instrument :
 MSVOA_F
 ClientSampleId :

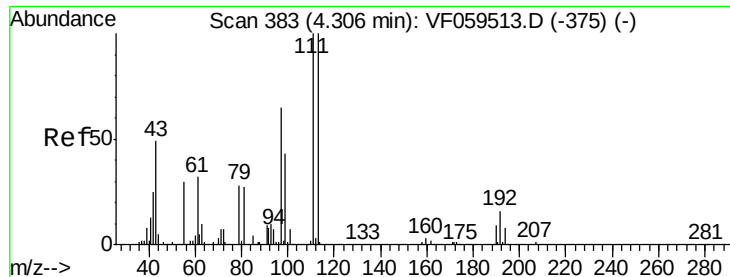
Tot Ion: 65 Resp: 177088
 Ion Ratio Lower Upper
 65 100
 67 44.5 0.0 91.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 529
 Delta R.T. -0.03 min
 Lab File: VF059537.D
 Acq: 19 Jul 2018 2:45

Tgt Ion: 114 Resp: 337932
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 44.8
 88 20.5 0.0 42.6





#35

Dibromofluoromethane

Concen: 52.363 ug/l

RT: 4.28 min Scan# 380

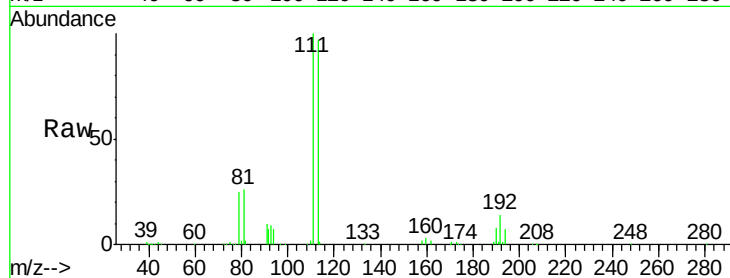
Delta R.T. -0.02 min

Lab File: VF059537.D

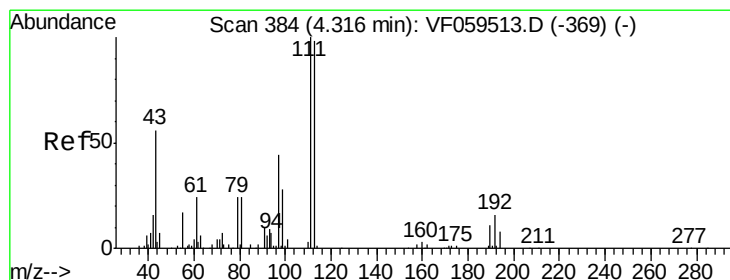
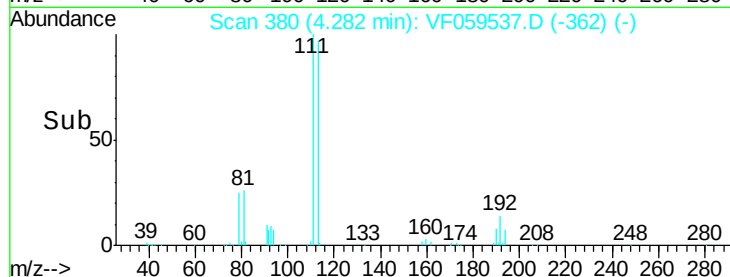
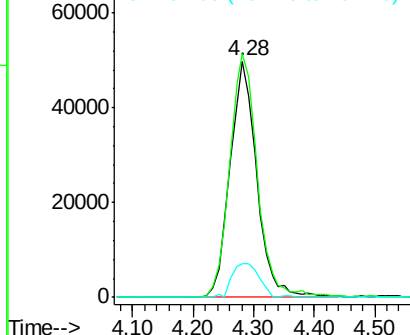
Acq: 19 Jul 2018 2:45

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	113	Resp:	153254
Ion	Ratio	Lower	Upper
113	100		
111	103.2	80.3	120.5
192	14.3	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

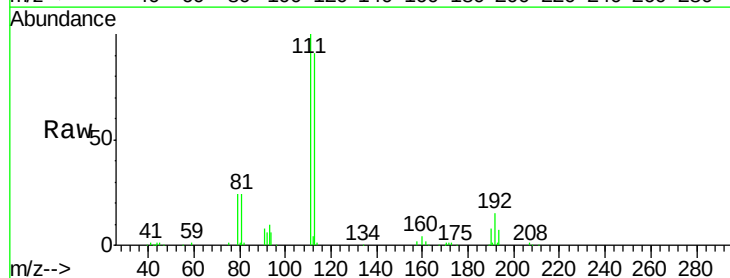
RT: 4.29 min Scan# 381

Delta R.T. -0.02 min

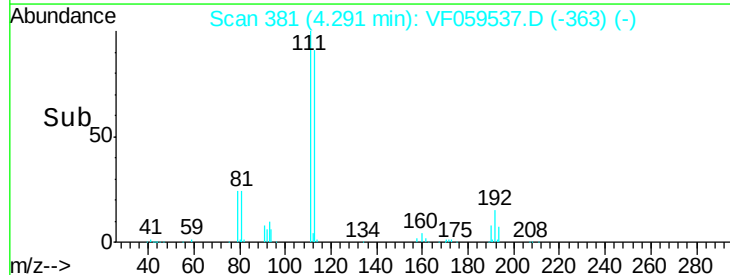
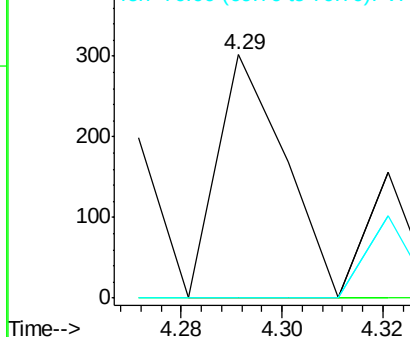
Lab File: VF059537.D

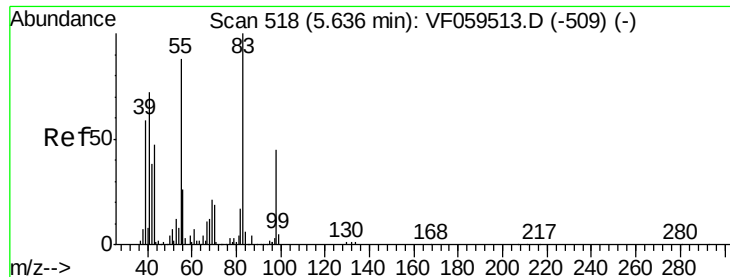
Acq: 19 Jul 2018 2:45

Tgt Ion:	43	Resp:	279
Ion	Ratio	Lower	Upper
43	100		
61	0.0	33.7	50.5#
70	0.0	7.4	11.0#



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

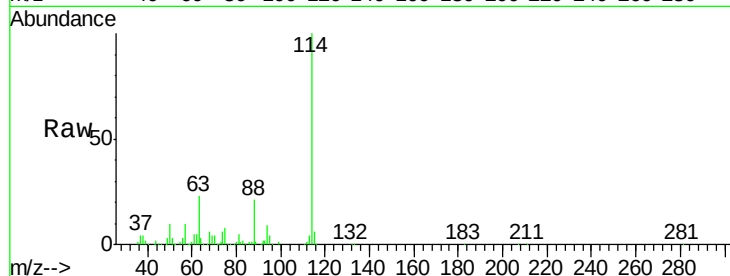




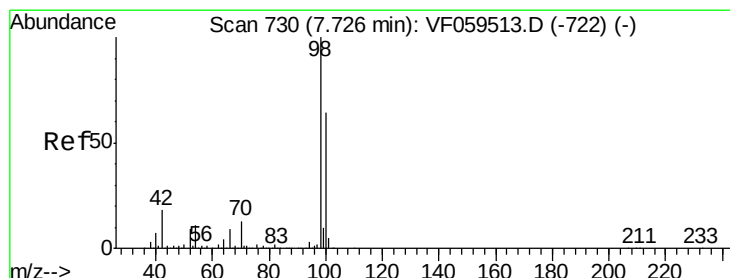
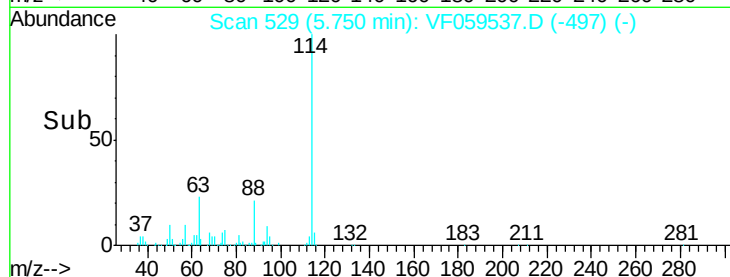
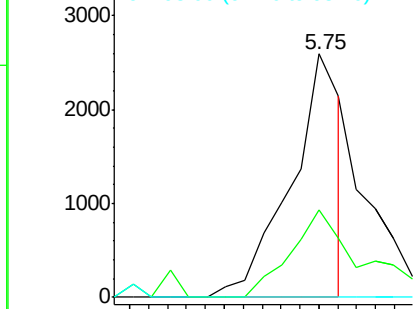
#39
Methylvlcyclohexane
Concen: 1.869 ug/l
RT: 5.75 min Scan# 529
Delta R.T. 0.11 min
Lab File: VF059537.D
Acq: 19 Jul 2018 2:45

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 83 Resp: 4797
Ion Ratio Lower Upper
83 100
55 36.1 70.2 105.4#
98 0.0 36.2 54.2#

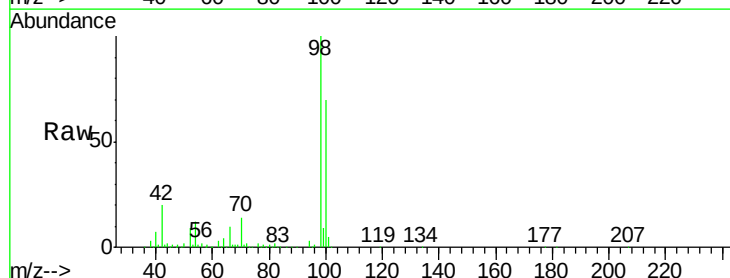


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

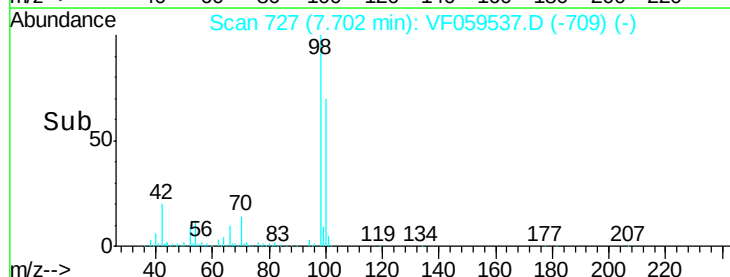
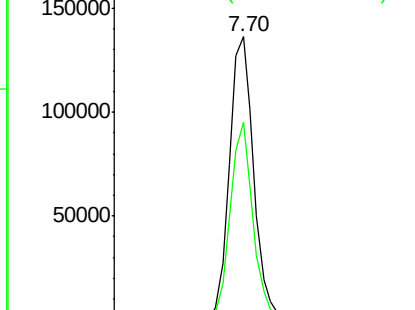


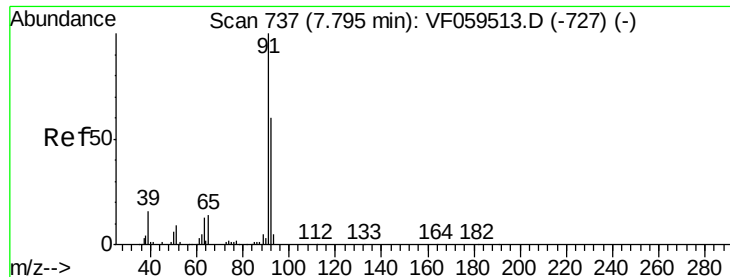
#50
Toluene-d8
Concen: 45.610 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.02 min
Lab File: VF059537.D
Acq: 19 Jul 2018 2:45

Tgt Ion: 98 Resp: 336250
Ion Ratio Lower Upper
98 100
100 69.9 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0

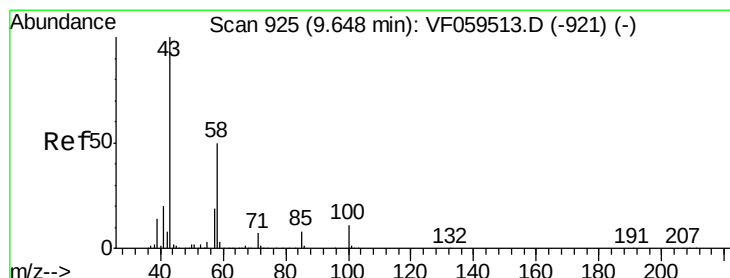
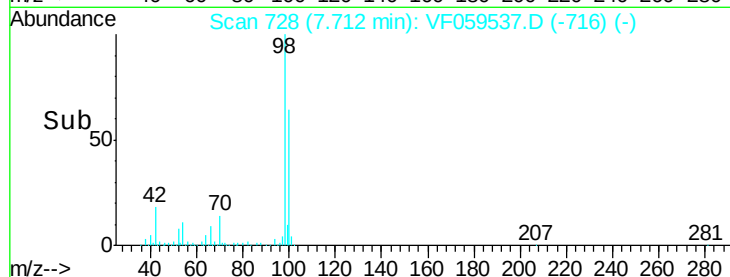
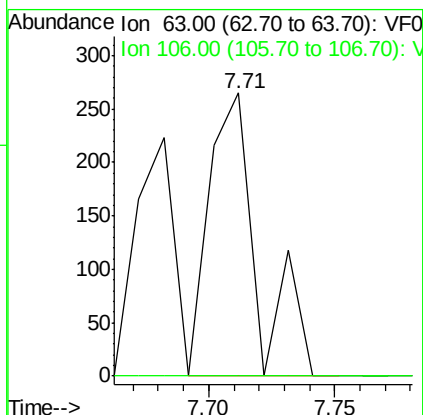
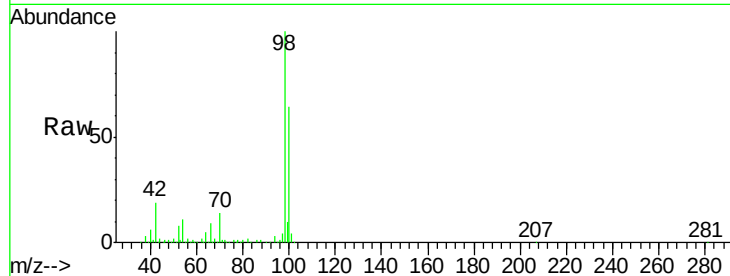




#58
2-Chloroethyl Vinyl ether
Concen: 1.753 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.08 min
Lab File: VF059537.D
Acq: 19 Jul 2018 2:45

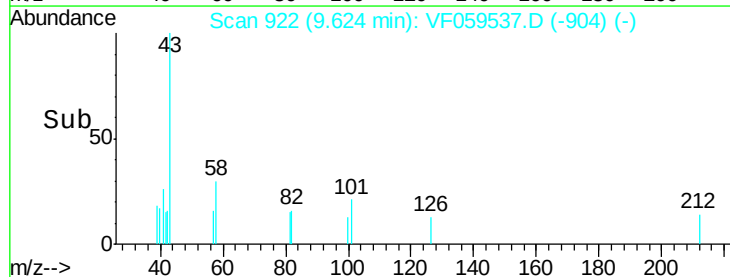
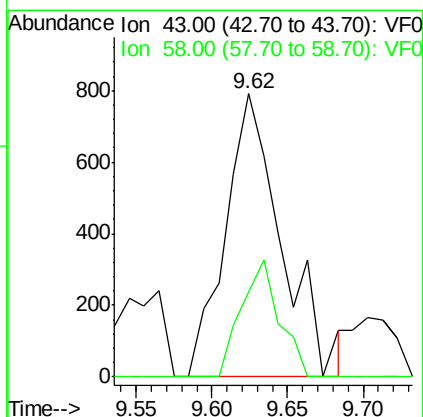
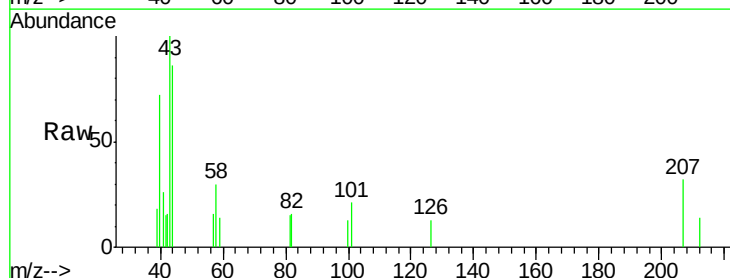
Instrument :
MSVOA_F
ClientSampled :

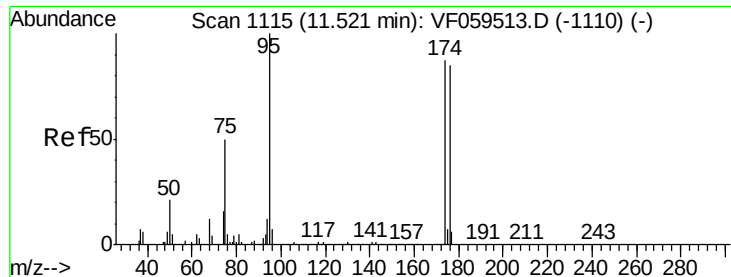
Tot Ion: 63 Resp: 354
Ion Ratio Lower Upper
63 100
106 0.0 0.0 0.0



#59
2-Hexanone
Concen: 1.584 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.02 min
Lab File: VF059537.D
Acq: 19 Jul 2018 2:45

Tgt Ion: 43 Resp: 2062
Ion Ratio Lower Upper
43 100
58 30.0 23.3 69.9

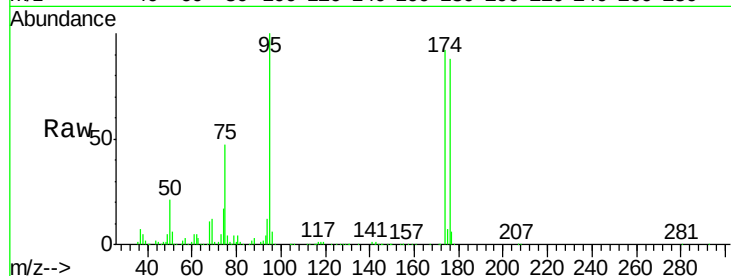




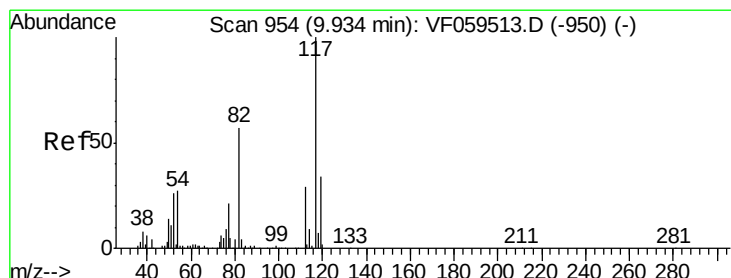
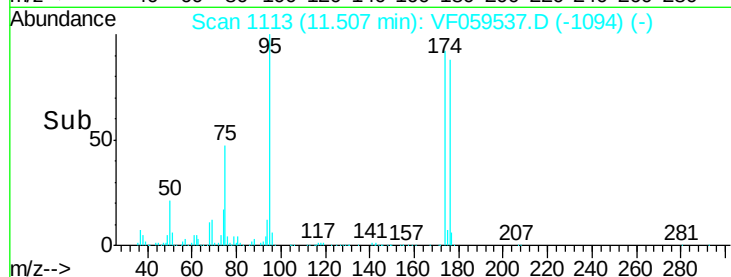
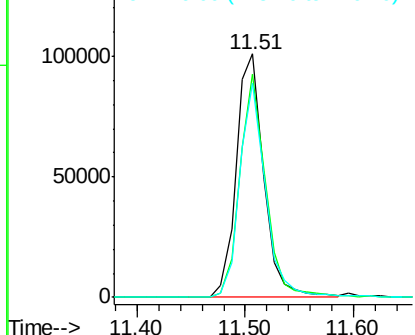
#62
4-Bromofluorobenzene
Concen: 46.206 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VF059537.D
Acq: 19 Jul 2018 2:45

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 95 Resp: 178700
Ion Ratio Lower Upper
95 100
174 91.7 0.0 174.4
176 88.2 0.0 169.4

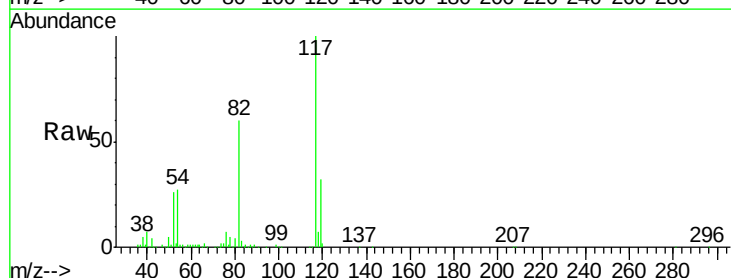


Abundance Ion 95.00 (94.70 to 95.70): VF0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

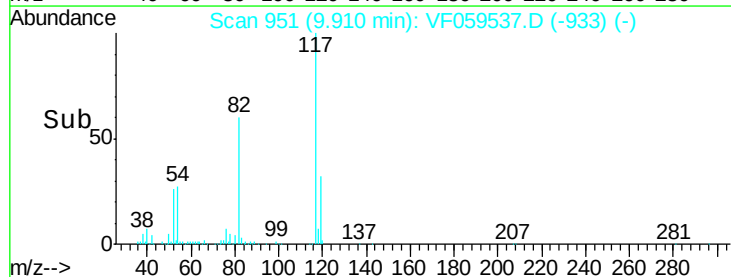
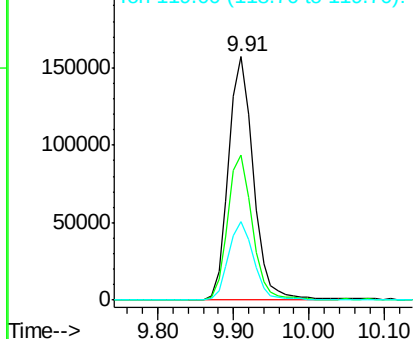


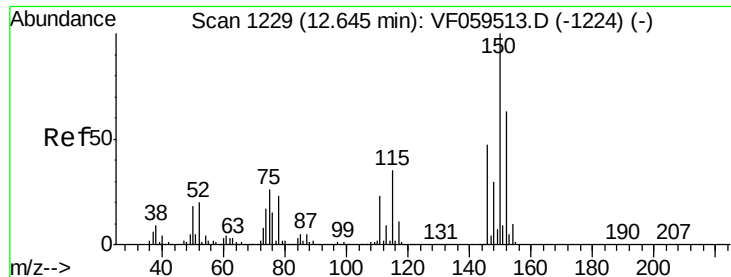
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.02 min
Lab File: VF059537.D
Acq: 19 Jul 2018 2:45

Tgt Ion: 117 Resp: 358336
Ion Ratio Lower Upper
117 100
82 59.6 46.1 69.1
119 32.5 27.2 40.8



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



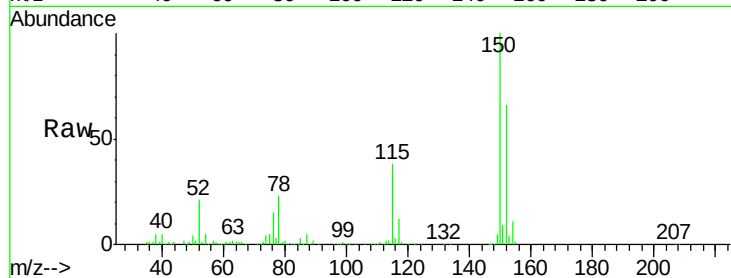


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF059537.D
Acq: 19 Jul 2018 2:45

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.8	27.8	83.3
150	152.2	0.0	318.4



Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

