

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072018\
 Data File : VF059589.D
 Acq On : 20 Jul 2018 19:08
 Operator : VA/AP
 Sample : VF0720SBL01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 84 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 20 23:27:08 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	260915	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	350911	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	370563	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	232700	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	190487	46.94	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	93.88%	
35) Dibromofluoromethane	4.28	113	169331	55.72	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	111.44%	
50) Toluene-d8	7.70	98	374040	48.86	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	97.72%	
62) 4-Bromofluorobenzene	11.51	95	208499	51.92	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	103.84%	

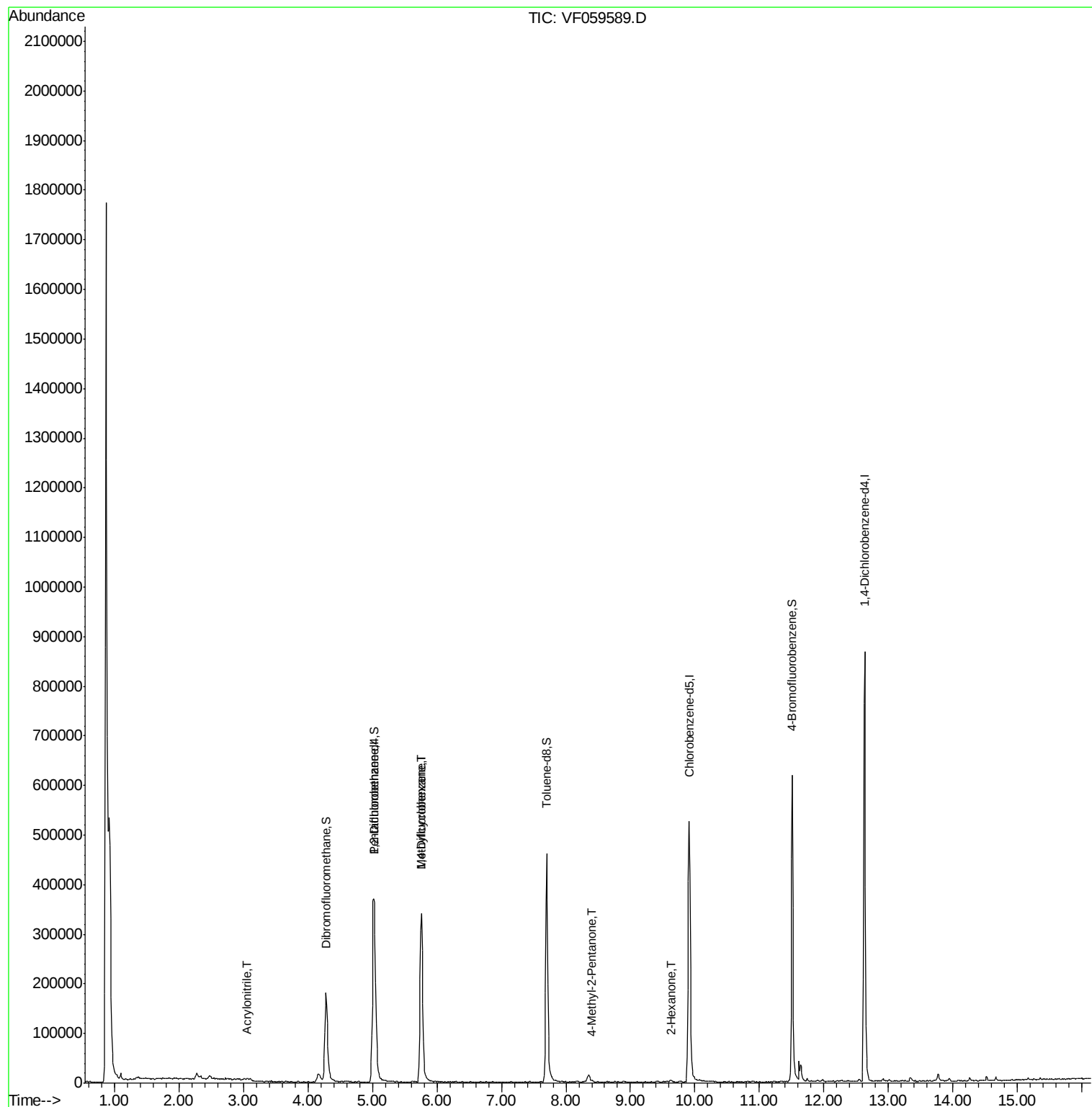
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.67	59	89	Below Cal	#	74
13) Acrolein	2.10	56	576	Below Cal		89
15) Acrylonitrile	3.06	53	487	1.430	ug/l #	43
16) Acetone	2.34	43	2435	Below Cal		97
20) Methylene Chloride	2.27	84	6621	Below Cal	#	94
29) Tetrahydrofuran	4.23	42	636	Below Cal	#	65
37) Ethyl Acetate	4.28	43	188	Below Cal	#	78
39) Methylcyclohexane	5.76	83	4837	1.815	ug/l #	43
49) 1,4-Dioxane	6.86	88	72	Below Cal	#	15
51) 4-Methyl-2-Pentanone	8.41	43	2196	1.227	ug/l #	38
59) 2-Hexanone	9.62	43	4117	3.045	ug/l	96

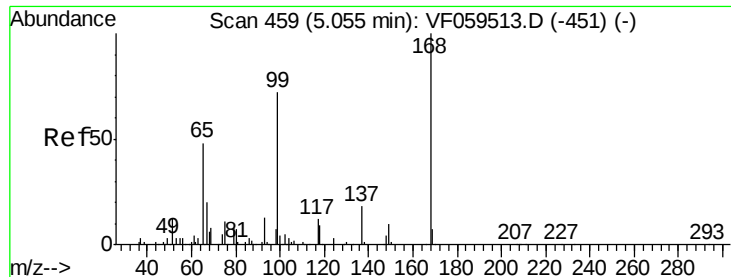
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.03 min Scan# 456

Delta R.T. -0.02 min

Lab File: VF059589.D

Acq: 20 Jul 2018 19:08

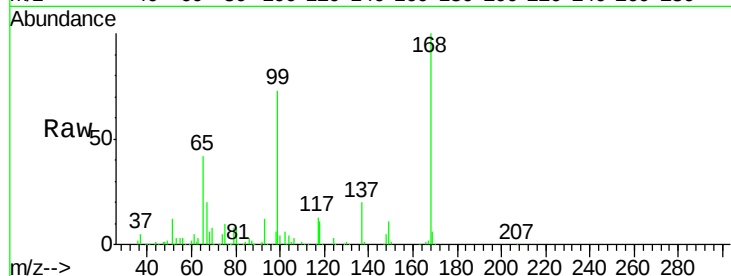
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 260915

Ion Ratio Lower Upper

168 100

99 73.1 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

60000

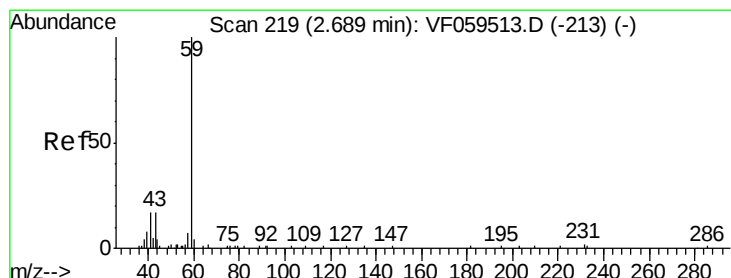
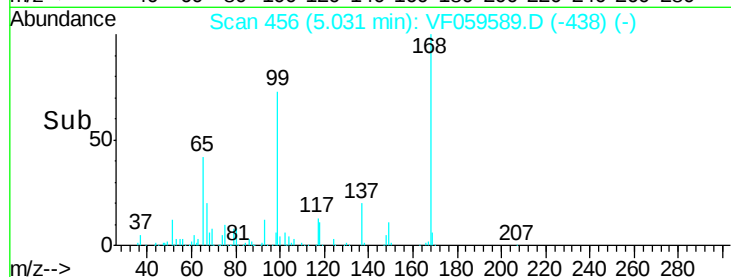
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.67 min Scan# 217

Delta R.T. -0.01 min

Lab File: VF059589.D

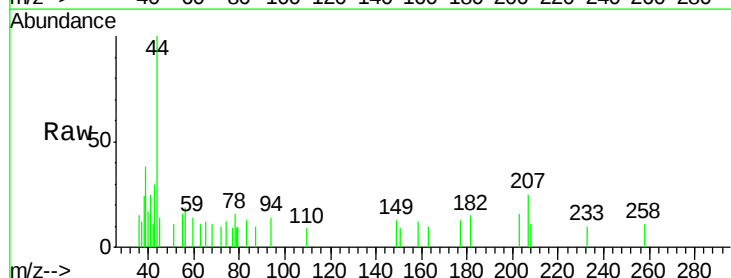
Acq: 20 Jul 2018 19:08

Tgt Ion: 59 Resp: 89

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.67

200

150

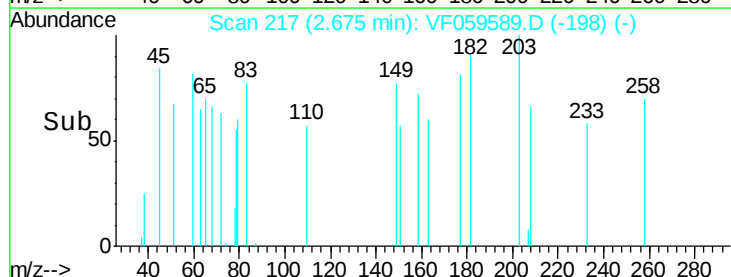
100

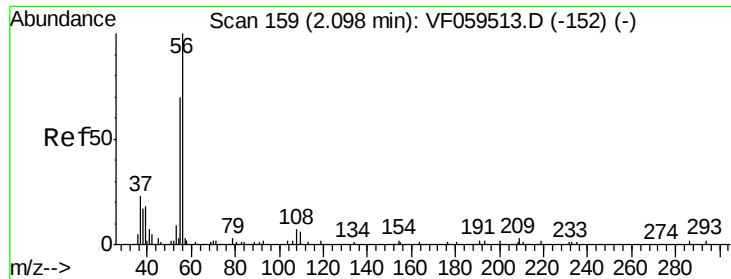
50

0

Time-->

2.66 2.67 2.68 2.69

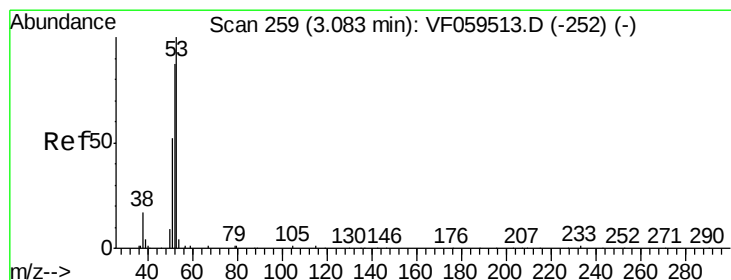
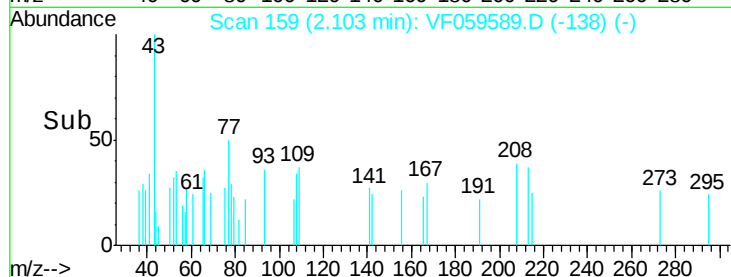
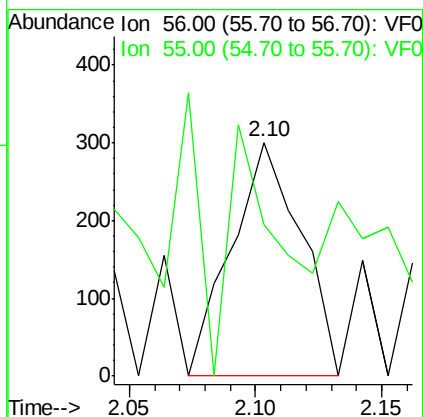
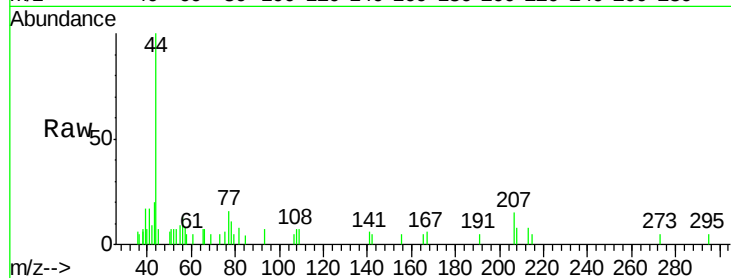




#13
Acrolein
Concen: Below Cal
RT: 2.10 min Scan# 159
Delta R.T. 0.01 min
Lab File: VF059589.D
Acq: 20 Jul 2018 19:08

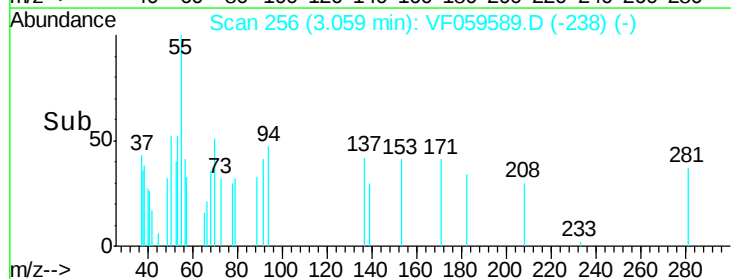
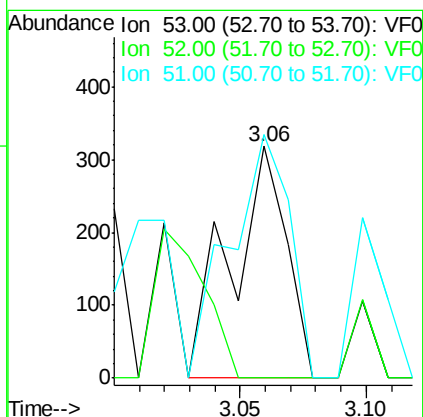
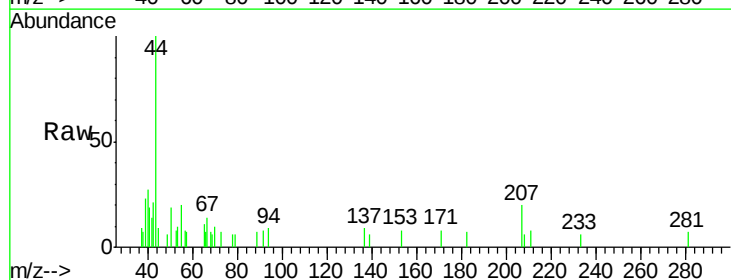
Instrument :
MSVOA_F
ClientSampleId :

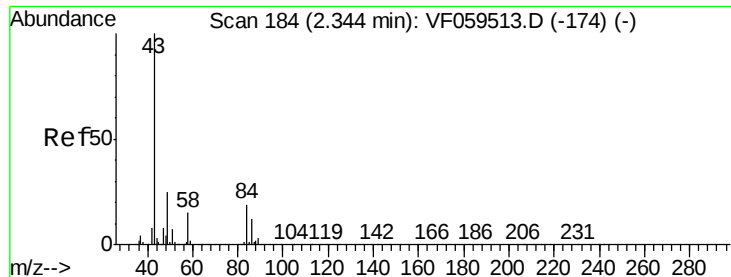
Tot Ion: 56 Resp: 576
Ion Ratio Lower Upper
56 100
55 64.8 59.4 89.2



#15
Acrylonitrile
Concen: 1.430 ug/l
RT: 3.06 min Scan# 256
Delta R.T. -0.02 min
Lab File: VF059589.D
Acq: 20 Jul 2018 19:08

Tgt Ion: 53 Resp: 487
Ion Ratio Lower Upper
53 100
52 43.4 70.1 105.1#
51 105.0 42.5 63.7#

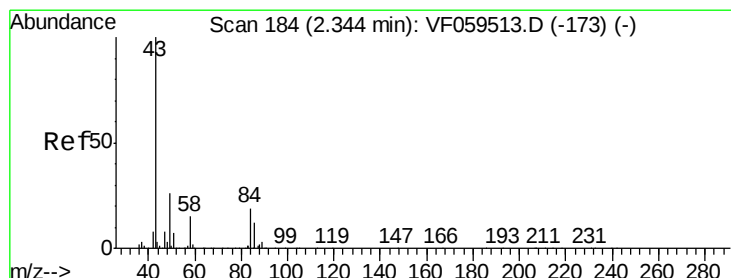
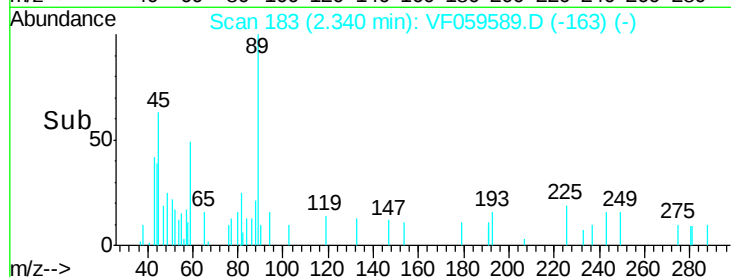
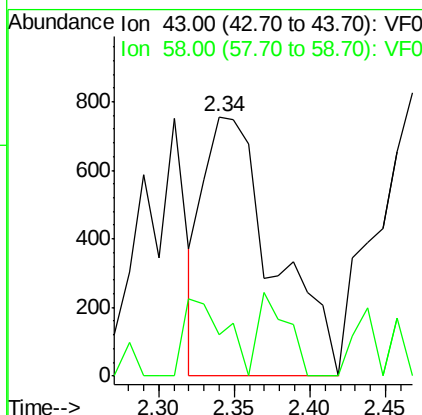
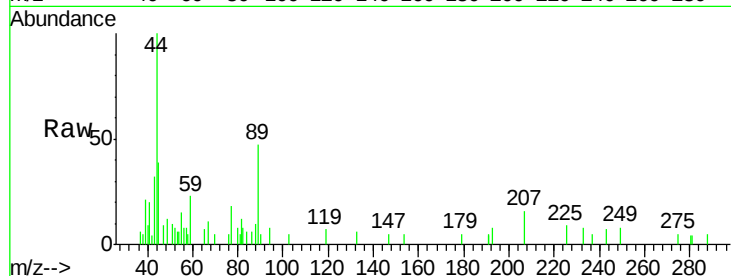




#16
Acetone
Concen: Below Cal
RT: 2.34 min Scan# 183
Delta R.T. -0.00 min
Lab File: VF059589.D
Acq: 20 Jul 2018 19:08

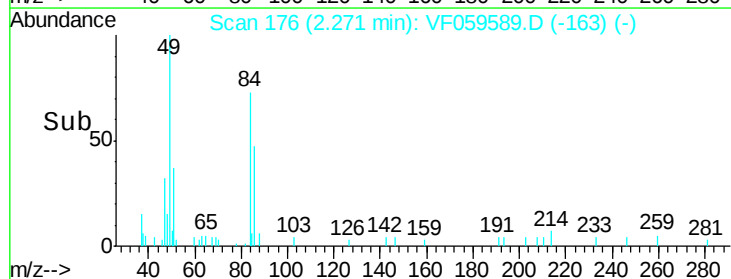
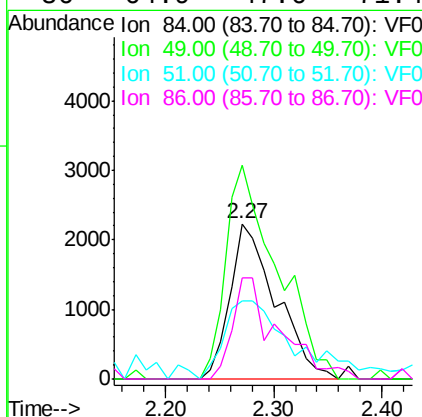
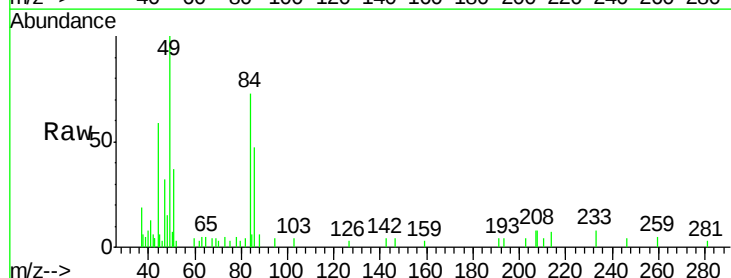
Instrument :
MSVOA_F
ClientSampled :

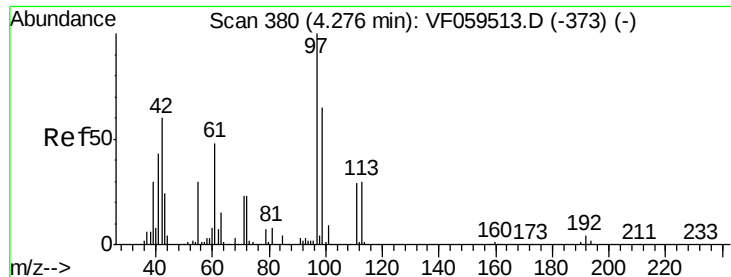
Tot Ion: 43 Resp: 2435
Ion Ratio Lower Upper
43 100
58 16.0 11.8 17.6



#20
Methylene Chloride
Concen: Below Cal
RT: 2.27 min Scan# 176
Delta R.T. -0.07 min
Lab File: VF059589.D
Acq: 20 Jul 2018 19:08

Tgt Ion: 84 Resp: 6621
Ion Ratio Lower Upper
84 100
49 137.7 109.4 164.2
51 50.7 30.5 45.7#
86 64.9 47.6 71.4

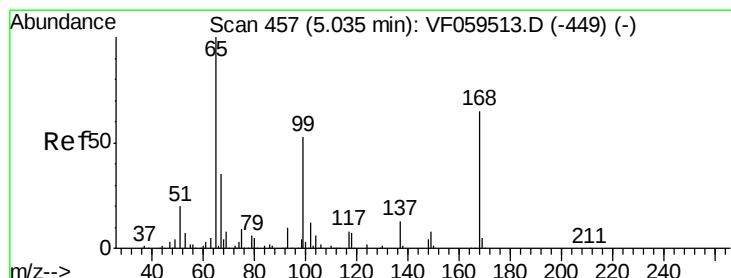
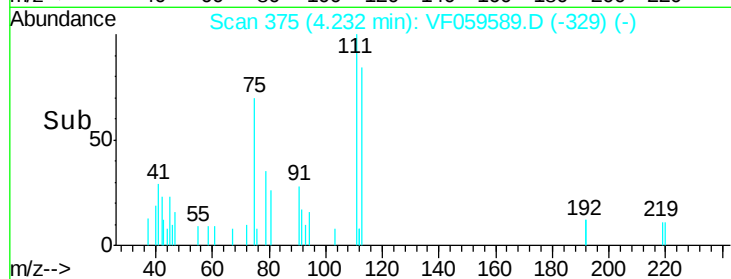
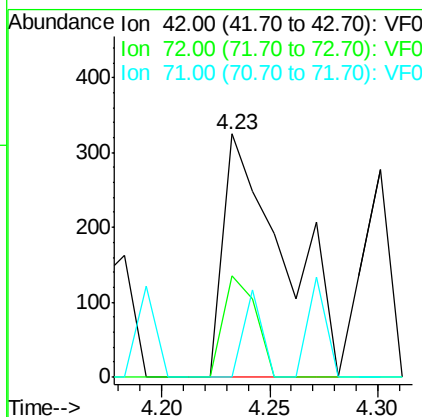
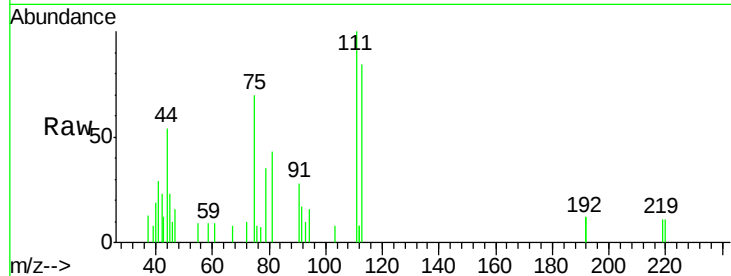




#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.23 min Scan# 375
Delta R.T. -0.04 min
Lab File: VF059589.D
Acq: 20 Jul 2018 19:08

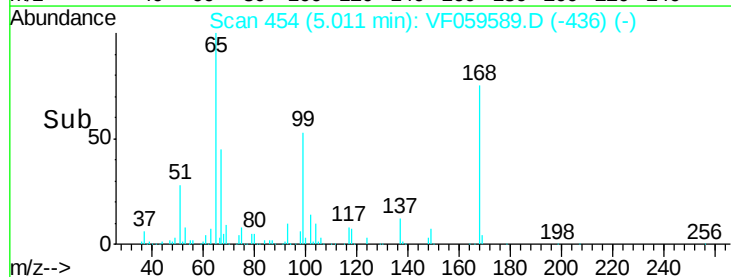
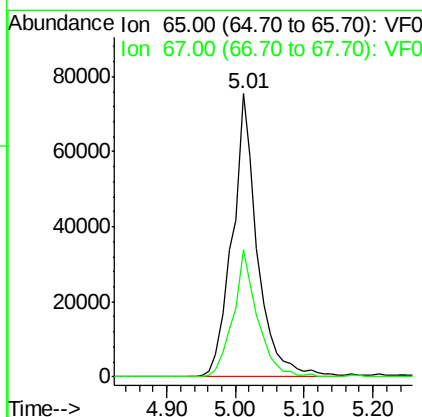
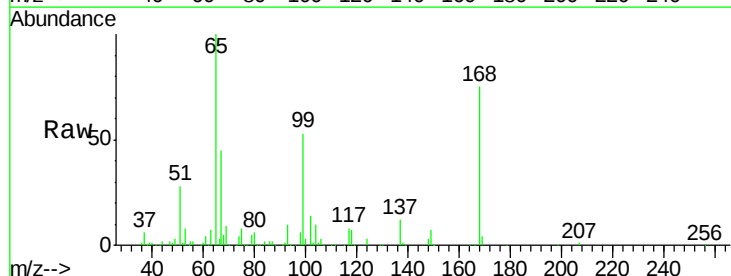
Instrument :
MSVOA_F
ClientSampled :

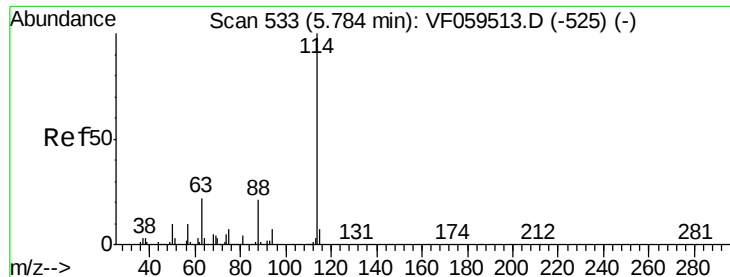
Tot Ion: 42 Resp: 636
Ion Ratio Lower Upper
42 100
72 22.3 28.7 43.1#
71 10.8 30.8 46.2#



#33
1,2-Dichloroethane-d4
Concen: 46.943 ug/l
RT: 5.01 min Scan# 454
Delta R.T. -0.02 min
Lab File: VF059589.D
Acq: 20 Jul 2018 19:08

Tgt Ion: 65 Resp: 190487
Ion Ratio Lower Upper
65 100
67 45.0 0.0 91.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.02 min

Lab File: VF059589.D

Acq: 20 Jul 2018 19:08

Instrument :

MSVOA_F

ClientSampleId :

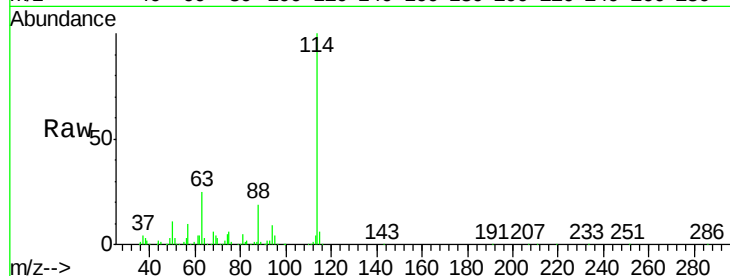
Tot Ion:114 Resp: 350911

Ion Ratio Lower Upper

114 100

63 24.7 0.0 44.8

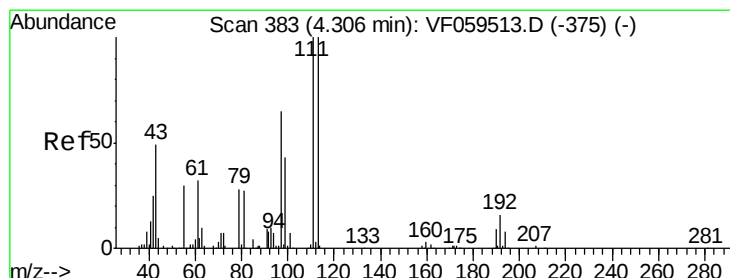
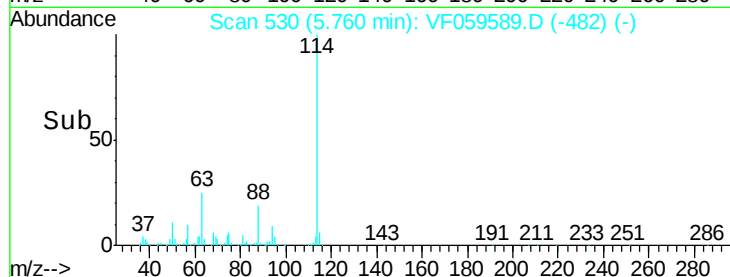
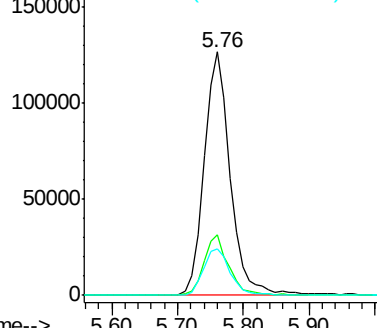
88 18.9 0.0 42.6



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: 55.716 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.02 min

Lab File: VF059589.D

Acq: 20 Jul 2018 19:08

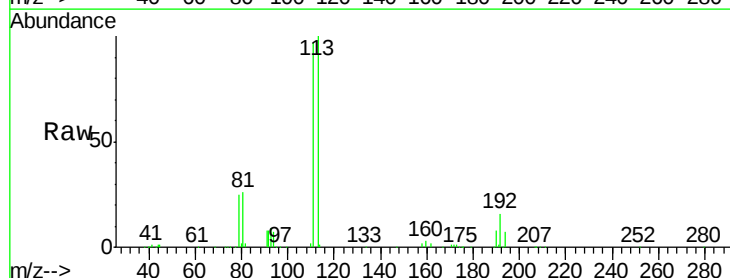
Tgt Ion:113 Resp: 169331

Ion Ratio Lower Upper

113 100

111 96.7 80.3 120.5

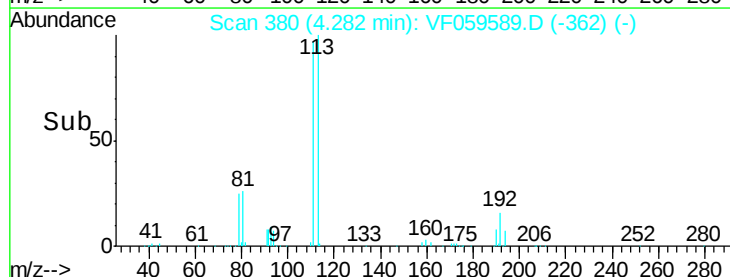
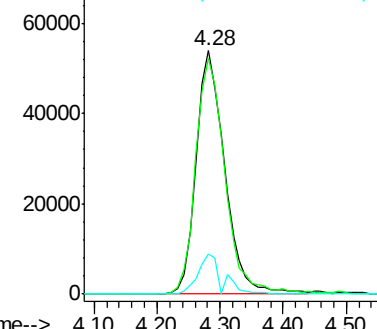
192 16.3 13.1 19.7

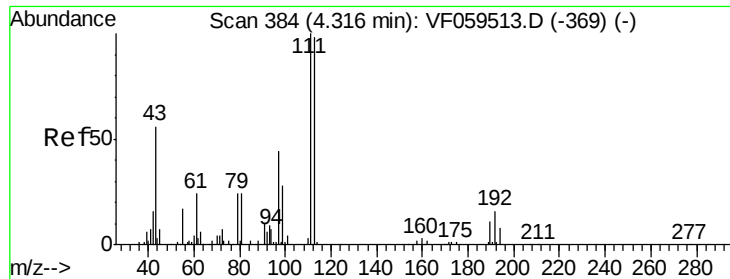


Abundance Ion 113.00 (112.70 to 113.70): V

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: 4.28 min Scan# 380

Delta R.T. -0.03 min

Lab File: VF059589.D

Acq: 20 Jul 2018 19:08

Instrument :

MSVOA_F

ClientSampleId :

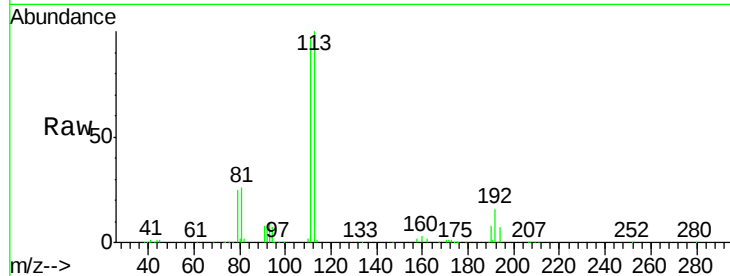
Tot Ion: 43 Resp: 188

Ion Ratio Lower Upper

43 100

61 55.7 33.7 50.5#

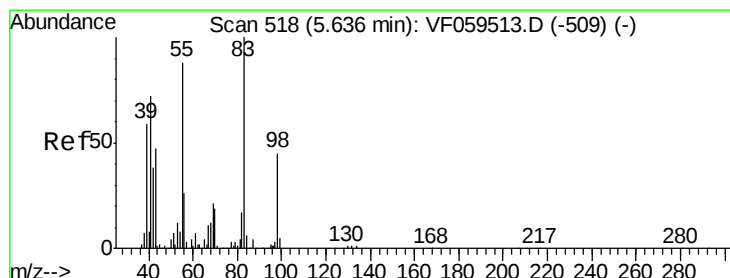
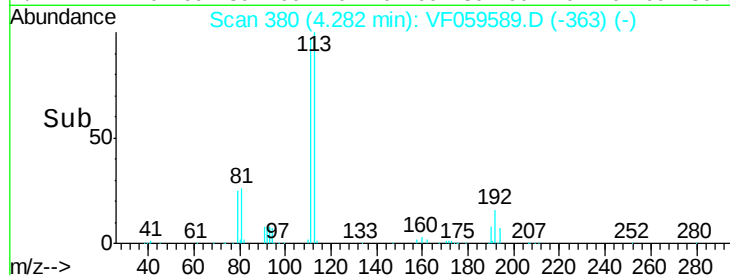
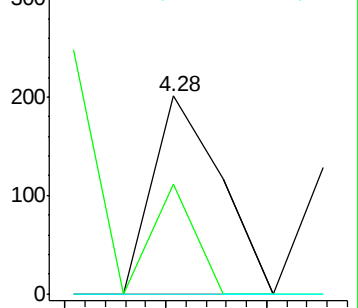
70 0.0 7.4 11.0#



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

Methylcyclohexane

Concen: 1.815 ug/l

RT: 5.76 min Scan# 530

Delta R.T. 0.12 min

Lab File: VF059589.D

Acq: 20 Jul 2018 19:08

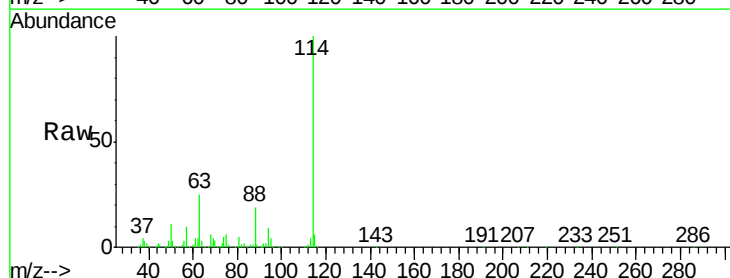
Tgt Ion: 83 Resp: 4837

Ion Ratio Lower Upper

83 100

55 40.4 70.2 105.4#

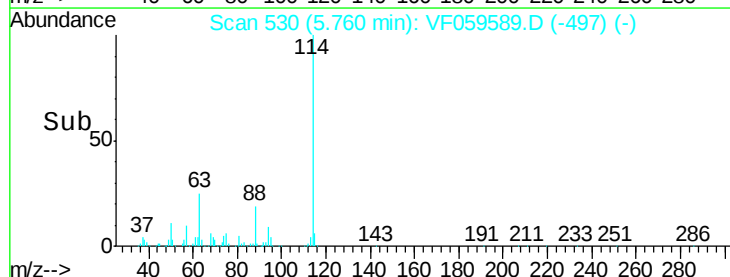
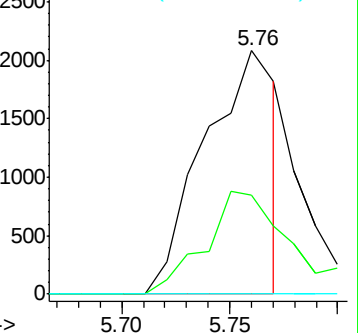
98 0.0 36.2 54.2#

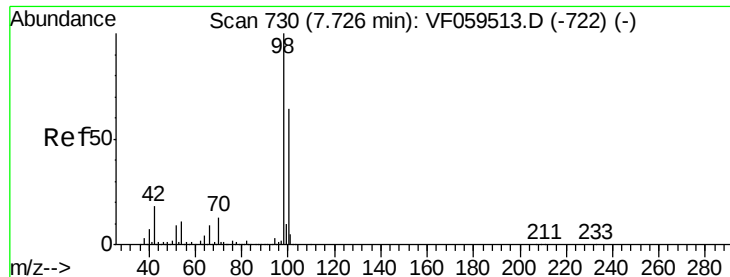


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#50

Toluene-d8

Concen: 48.859 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.02 min

Lab File: VF059589.D

Acq: 20 Jul 2018 19:08

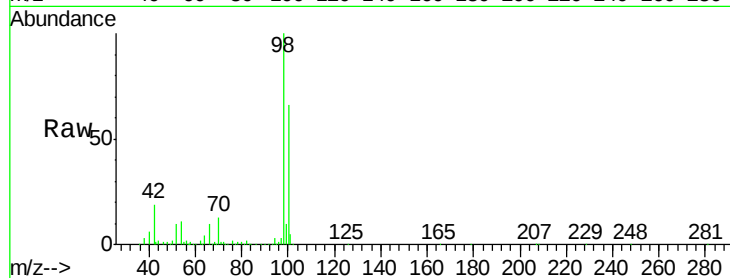
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 98 Resp: 374040

Ion Ratio Lower Upper

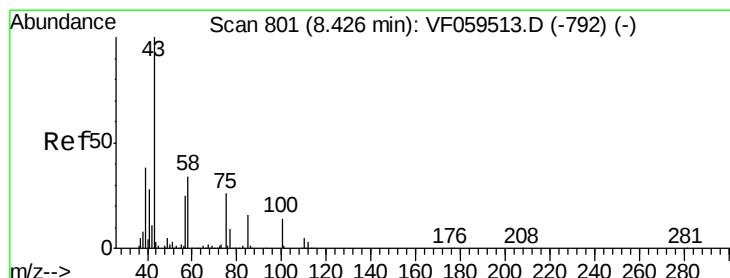
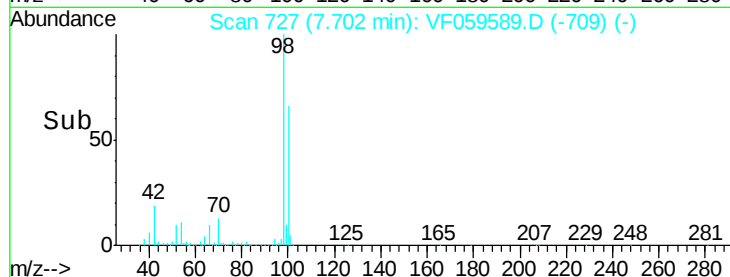
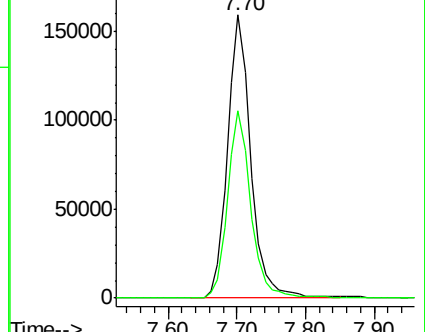
98 100

100 66.0 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#51

4-Methyl-2-Pentanone

Concen: 1.227 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.01 min

Lab File: VF059589.D

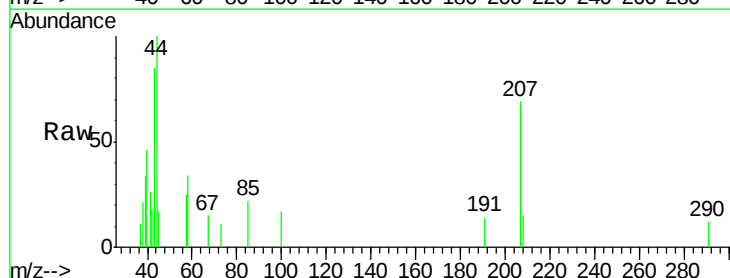
Acq: 20 Jul 2018 19:08

Tgt Ion: 43 Resp: 2196

Ion Ratio Lower Upper

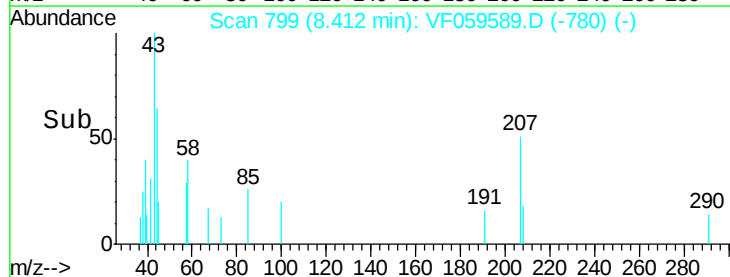
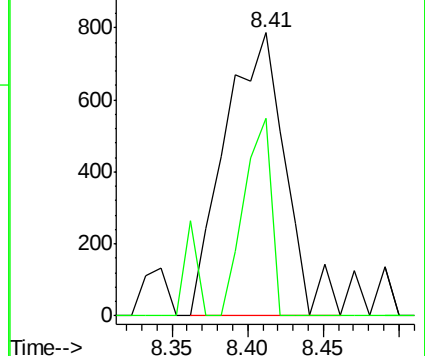
43 100

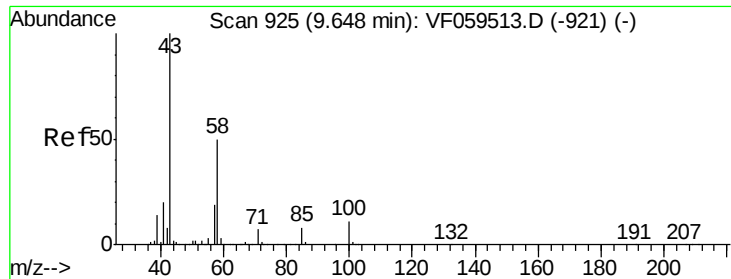
58 69.8 27.4 41.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

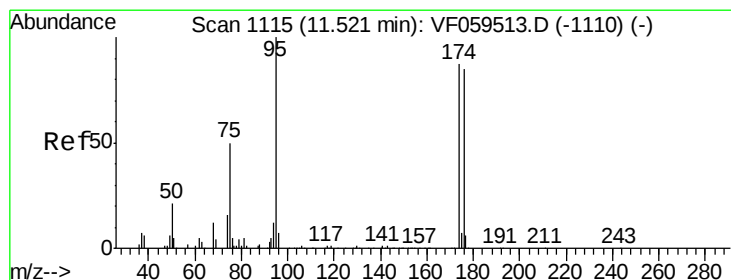
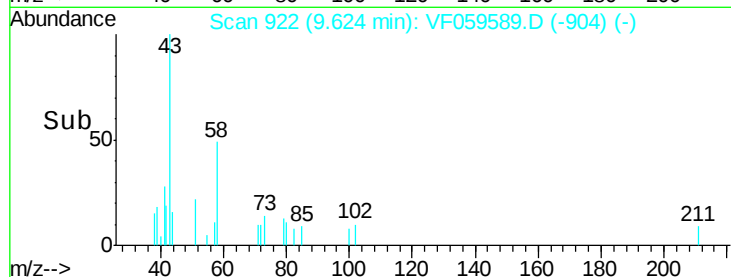
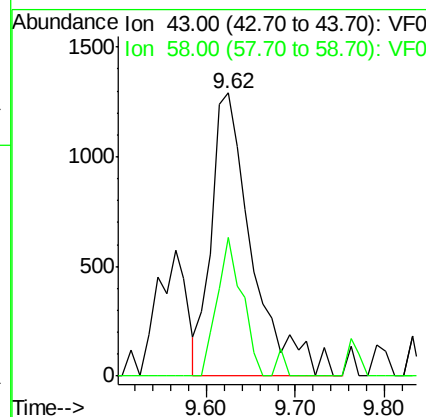
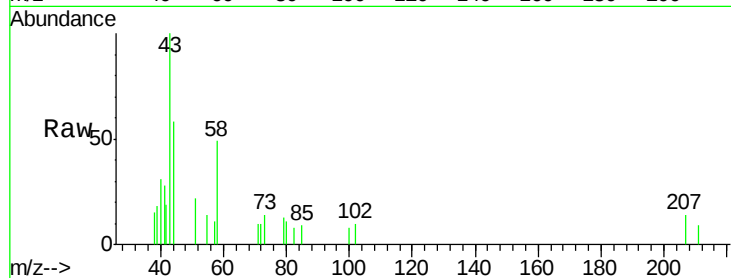




#59
2-Hexanone
Concen: 3.045 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.02 min
Lab File: VF059589.D
Acq: 20 Jul 2018 19:08

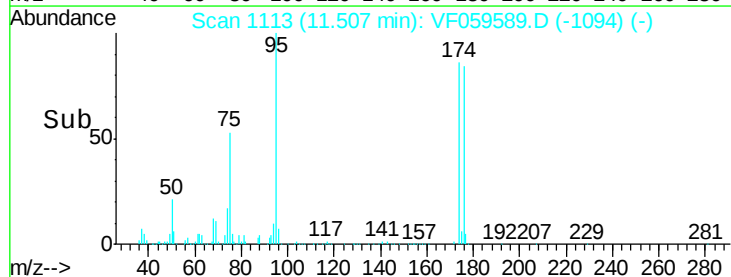
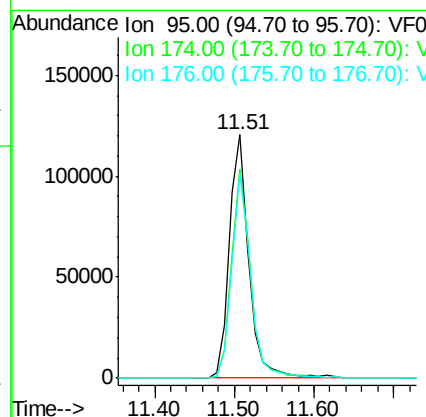
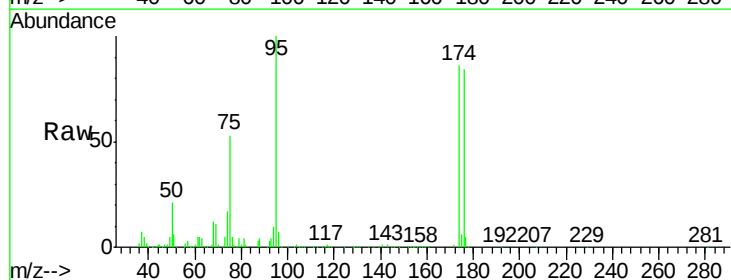
Instrument :
MSVOA_F
ClientSampleId :

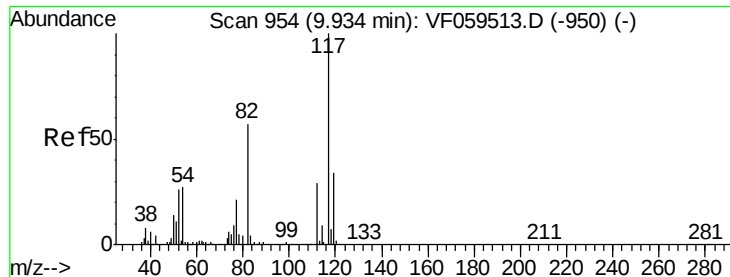
Tot Ion: 43 Resp: 4117
Ion Ratio Lower Upper
43 100
58 49.0 23.3 69.9



#62
4-Bromofluorobenzene
Concen: 51.917 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VF059589.D
Acq: 20 Jul 2018 19:08

Tgt Ion: 95 Resp: 208499
Ion Ratio Lower Upper
95 100
174 86.0 0.0 174.4
176 84.5 0.0 169.4

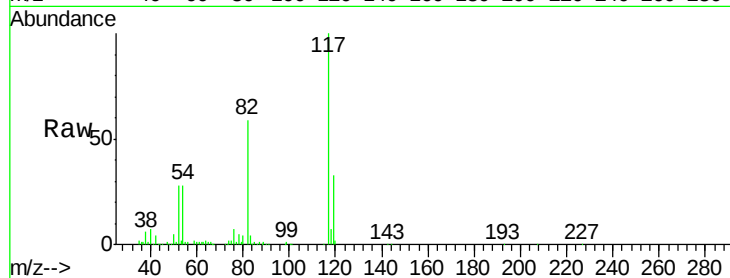




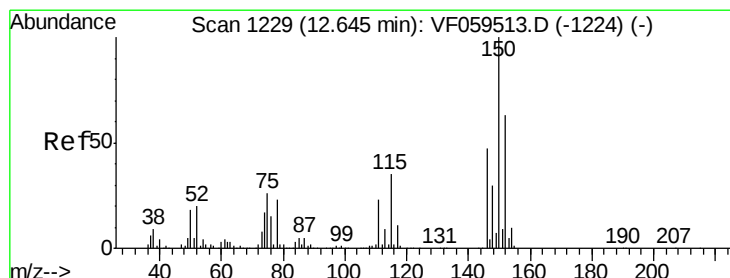
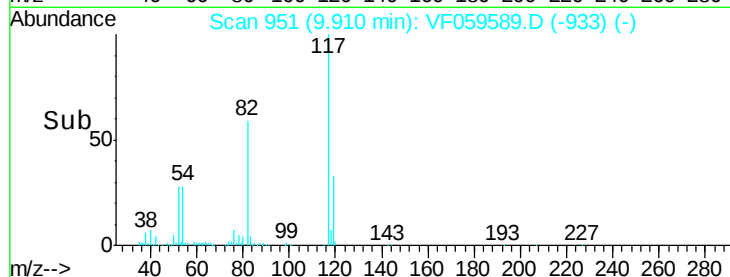
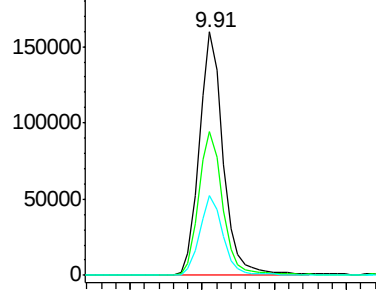
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.02 min
Lab File: VF059589.D
Acq: 20 Jul 2018 19:08

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 370563
Ion Ratio Lower Upper
117 100
82 58.9 46.1 69.1
119 32.5 27.2 40.8

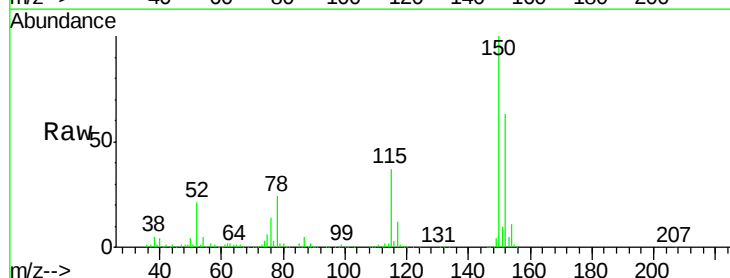


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF059589.D
Acq: 20 Jul 2018 19:08

Tgt Ion:152 Resp: 232700
Ion Ratio Lower Upper
152 100
115 58.7 27.8 83.3
150 160.0 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

