

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071918\
 Data File : VF059586.D
 Acq On : 20 Jul 2018 5:36
 Operator : VA/AP
 Sample : J4001-02RE
 Misc : 10.92g/5mL/MSVOA F/SOIL
 ALS Vial : 78 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 20 07:11:41 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	5.04	168	190806	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.76	114	280806	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.92	117	276919	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	151260	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	150939	50.86	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	101.72%	
35) Dibromofluoromethane	4.29	113	122377	50.32	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	100.64%	
50) Toluene-d8	7.72	98	236687	38.64	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	77.28%	
62) 4-Bromofluorobenzene	11.51	95	132495	41.23	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	82.46%	

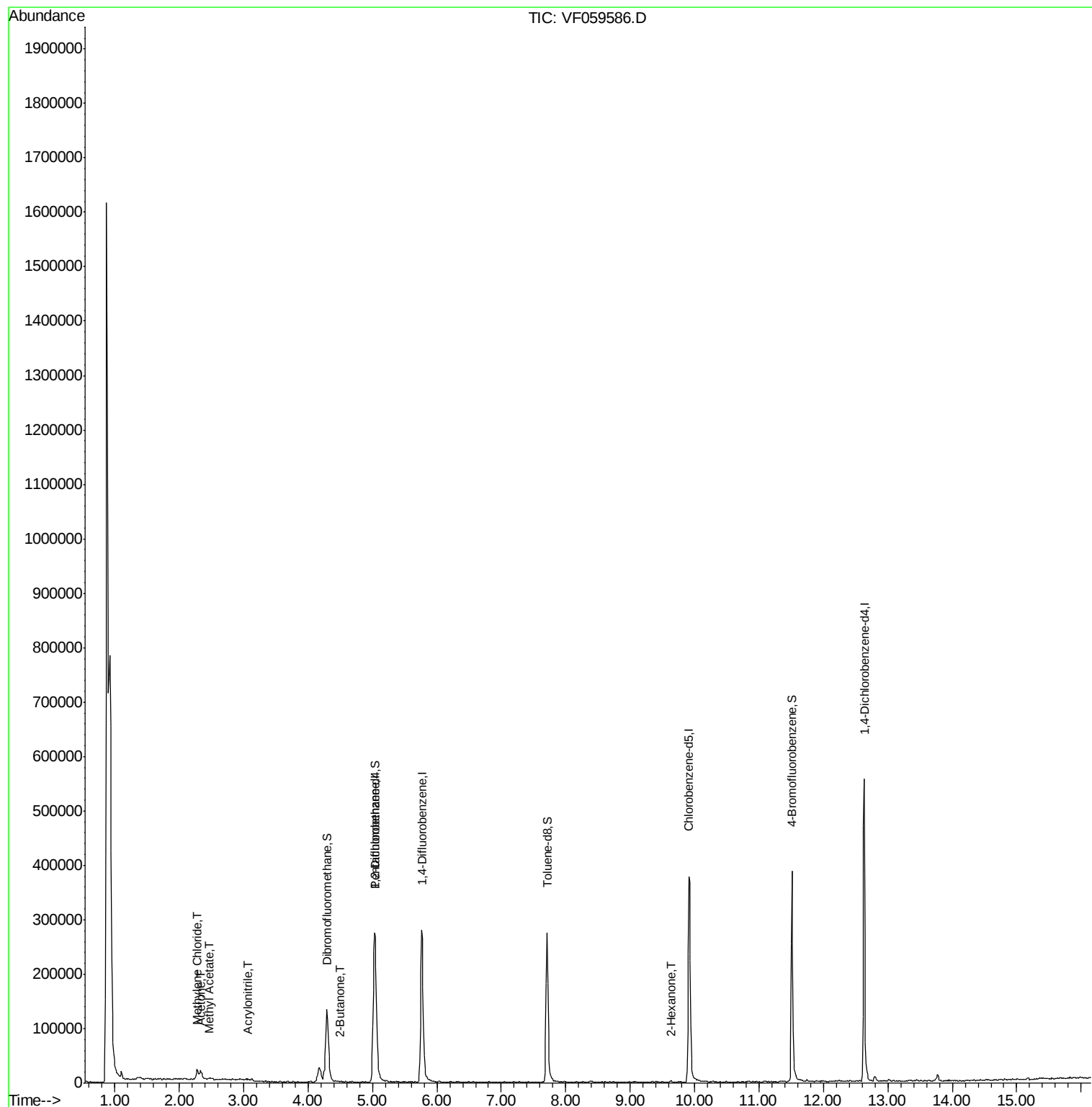
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.67	59	775	Below Cal	#	74
13) Acrolein	1.97	56	246	Below Cal		95
15) Acrylonitrile	3.07	53	325	1.305	ug/l #	13
16) Acetone	2.33	43	17692	13.885	ug/l	99
18) Methyl Acetate	2.45	43	4404	1.956	ug/l #	89
20) Methylene Chloride	2.27	84	9554	2.811	ug/l #	80
25) 2-Butanone	4.51	43	766	1.112	ug/l #	60
29) Tetrahydrofuran	4.28	42	206	Below Cal	#	38
37) Ethyl Acetate	4.28	43	162	Below Cal	#	41
49) 1,4-Dioxane	6.97	88	66	Below Cal	#	15
59) 2-Hexanone	9.64	43	1296	1.198	ug/l	95

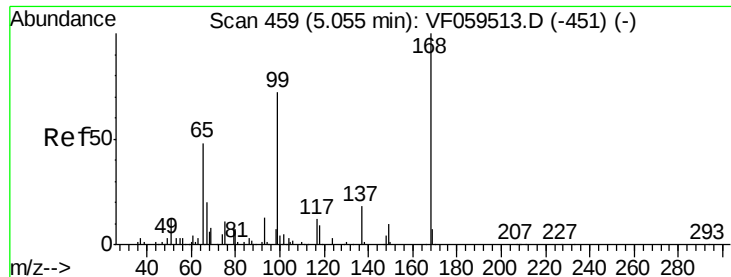
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.04 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF059586.D

Acq: 20 Jul 2018 5:36

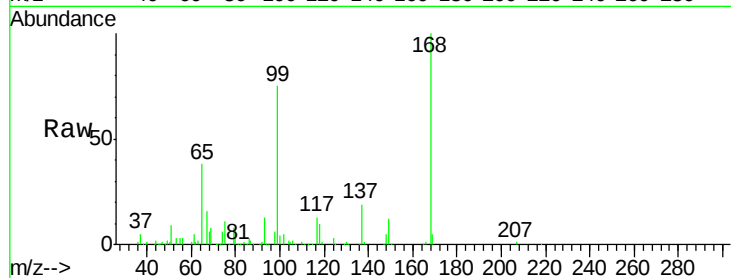
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 190806

Ion Ratio Lower Upper

168 100

99 74.7 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

60000

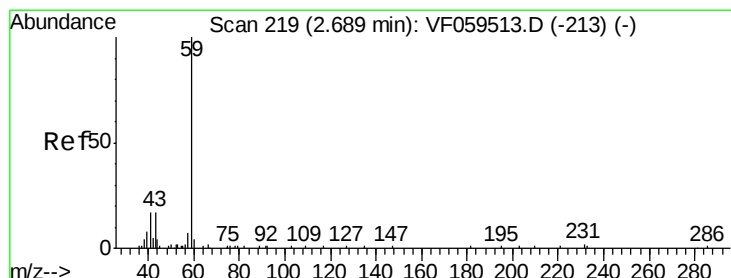
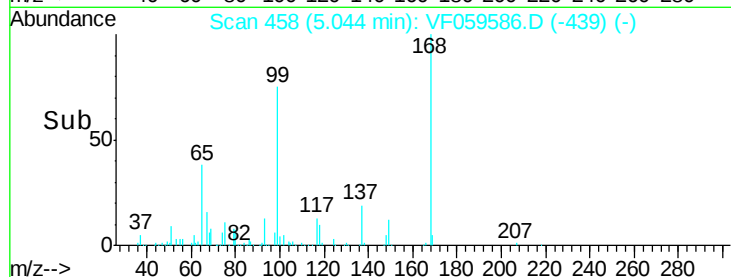
40000

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. -0.02 min

Lab File: VF059586.D

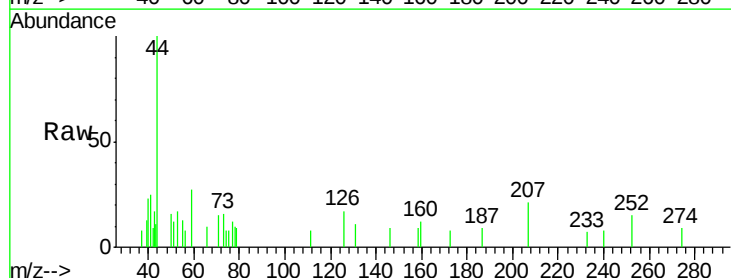
Acq: 20 Jul 2018 5:36

Tgt Ion: 59 Resp: 775

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

400

300

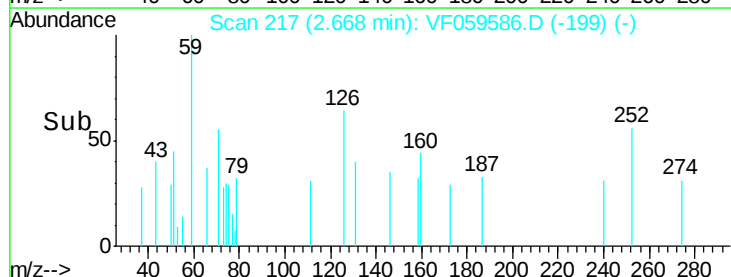
200

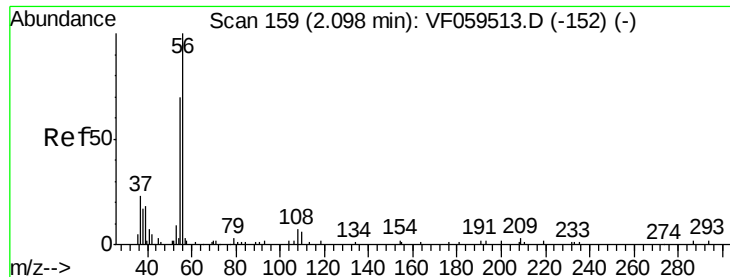
100

0

Time-->

2.65 2.70





#13

Acrolein

Concen: Below Cal

RT: 1.97 min Scan# 146

Delta R.T. -0.13 min

Lab File: VF059586.D

Acq: 20 Jul 2018 5:36

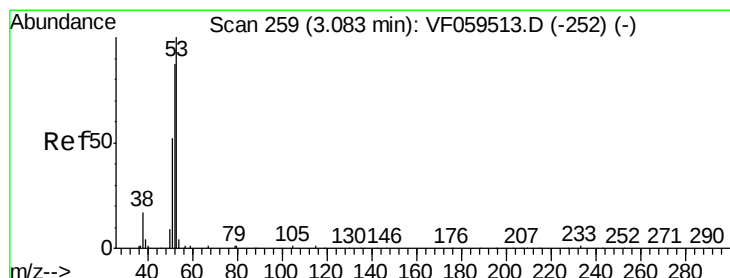
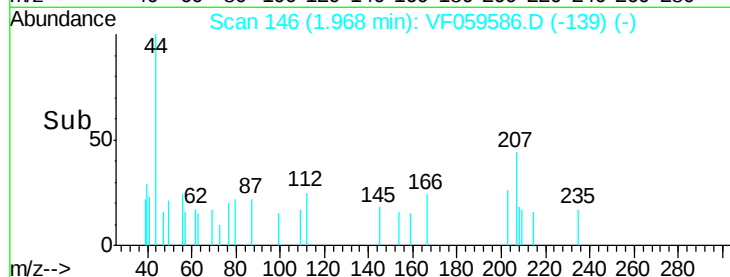
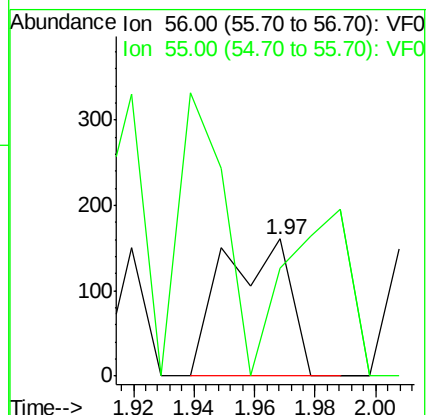
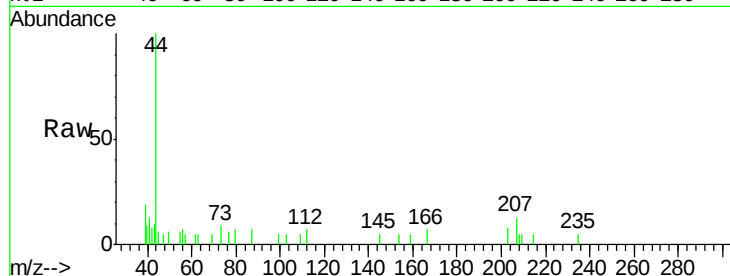
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 246

Ion Ratio Lower Upper

56 100

55 78.3 59.4 89.2



#15

Acrylonitrile

Concen: 1.305 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF059586.D

Acq: 20 Jul 2018 5:36

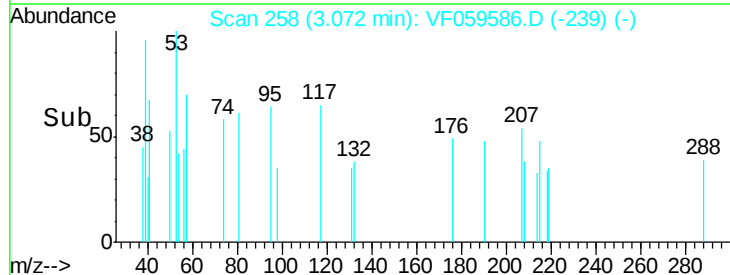
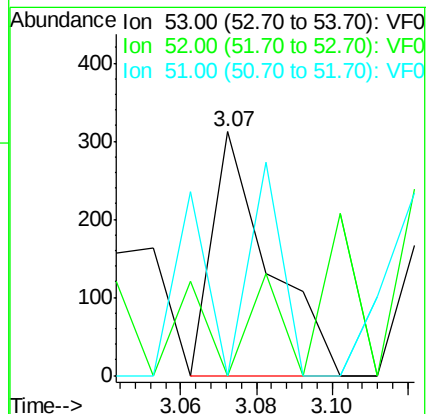
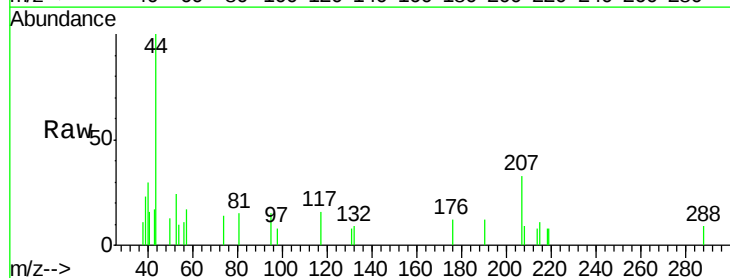
Tgt Ion: 53 Resp: 325

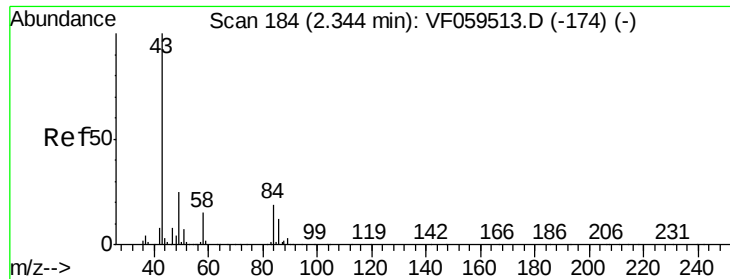
Ion Ratio Lower Upper

53 100

52 0.0 70.1 105.1#

51 0.0 42.5 63.7#

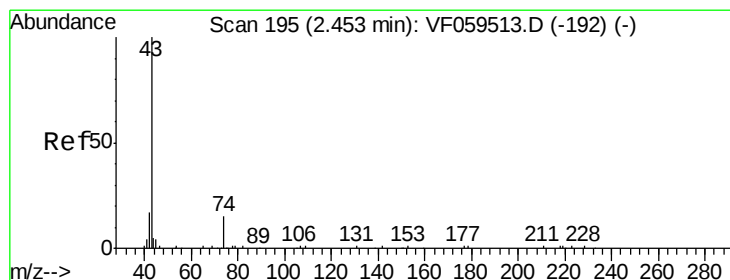
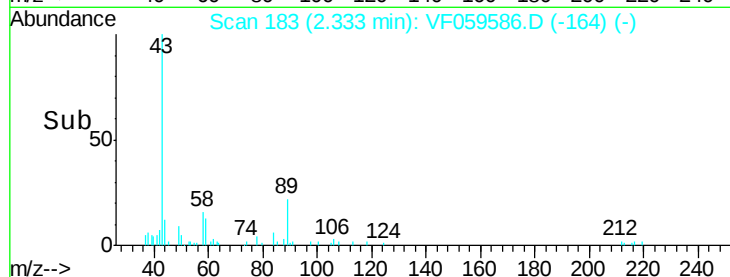
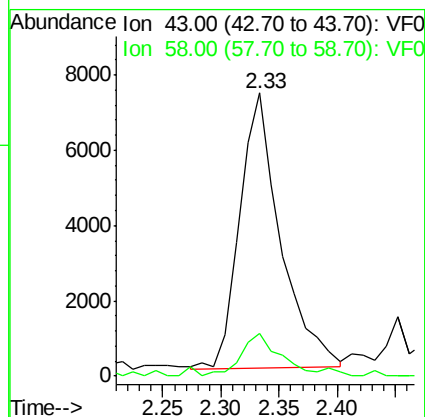
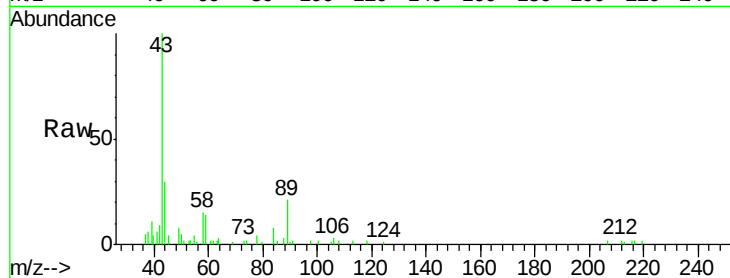




#16
Acetone
Concen: 13.885 ug/l
RT: 2.33 min Scan# 183
Delta R.T. -0.01 min
Lab File: VF059586.D
Acq: 20 Jul 2018 5:36

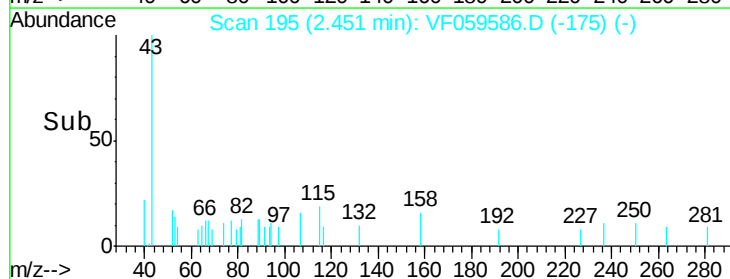
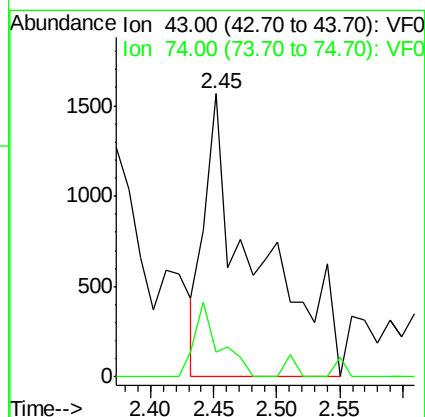
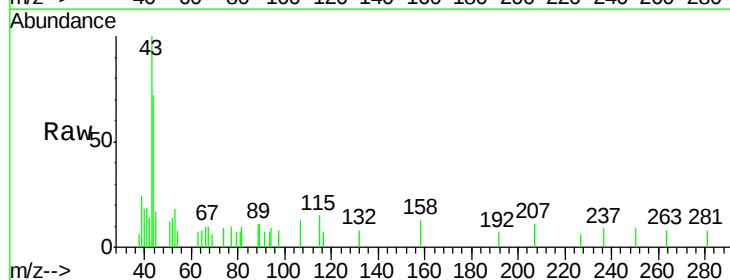
Instrument :
MSVOA_F
ClientSampleId :

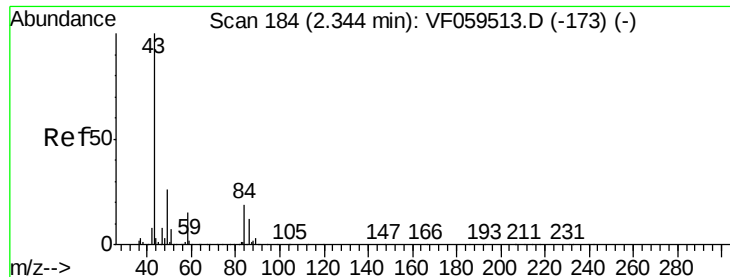
Tot Ion: 43 Resp: 17692
Ion Ratio Lower Upper
43 100
58 14.9 11.8 17.6



#18
Methyl Acetate
Concen: 1.956 ug/l
RT: 2.45 min Scan# 195
Delta R.T. -0.00 min
Lab File: VF059586.D
Acq: 20 Jul 2018 5:36

Tgt Ion: 43 Resp: 4404
Ion Ratio Lower Upper
43 100
74 8.9 10.6 15.8#

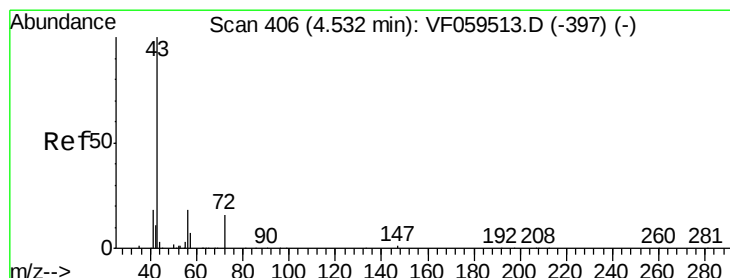
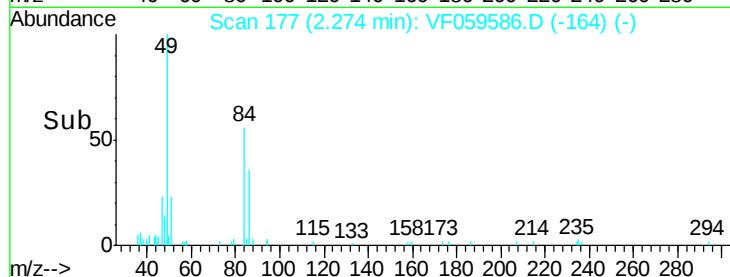
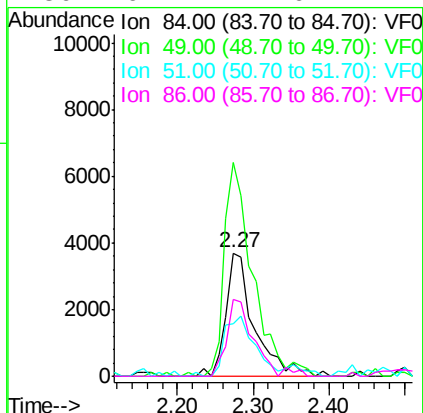
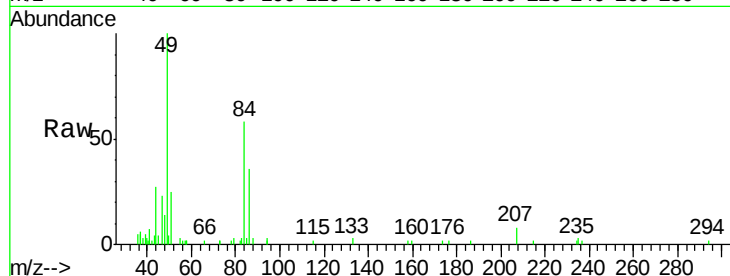




#20
Methvlene Chloride
Concen: 2.811 ug/l
RT: 2.27 min Scan# 177
Delta R.T. -0.07 min
Lab File: VF059586.D
Acq: 20 Jul 2018 5:36

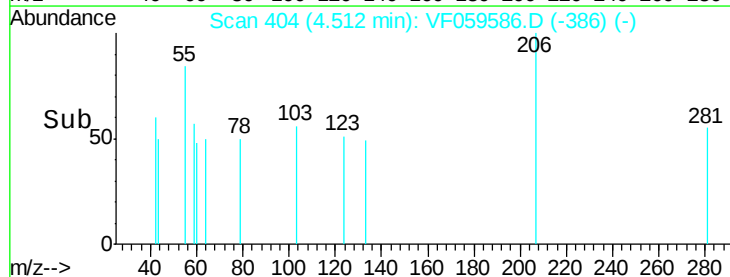
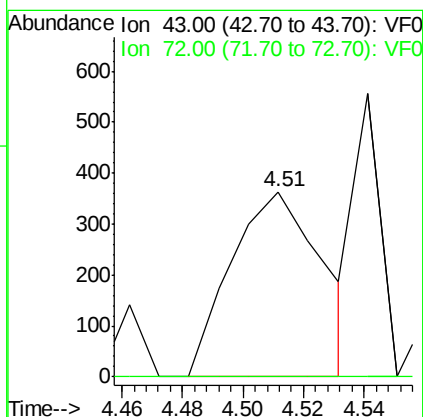
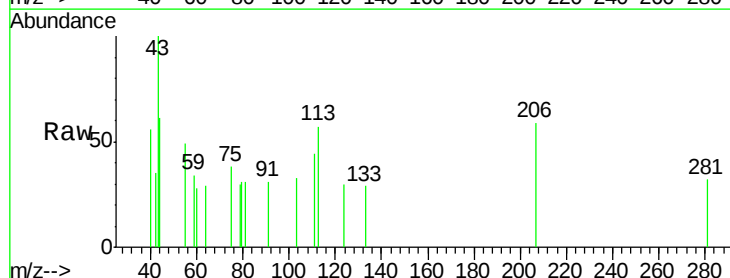
Instrument :
MSVOA_F
ClientSampled :

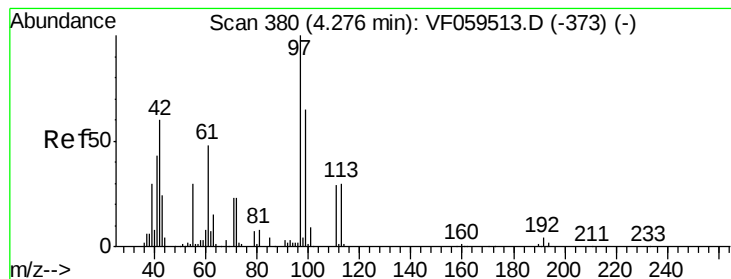
Tot Ion: 84 Resp: 9554
Ion Ratio Lower Upper
84 100
49 173.0 109.4 164.2#
51 43.0 30.5 45.7
86 62.1 47.6 71.4



#25
2-Butanone
Concen: 1.112 ug/l
RT: 4.51 min Scan# 404
Delta R.T. -0.02 min
Lab File: VF059586.D
Acq: 20 Jul 2018 5:36

Tgt Ion: 43 Resp: 766
Ion Ratio Lower Upper
43 100
72 0.0 14.2 21.4#





#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.28 min Scan# 381

Delta R.T. 0.01 min

Lab File: VF059586.D

Acq: 20 Jul 2018 5:36

Instrument :

MSVOA_F

ClientSampleId :

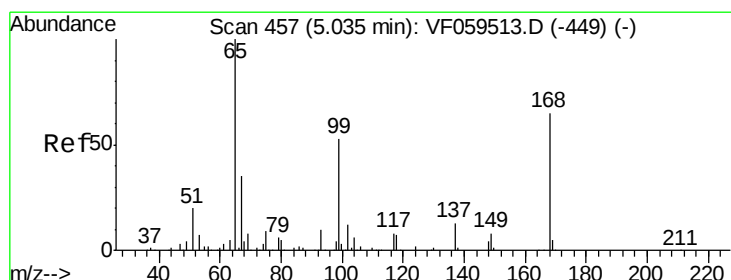
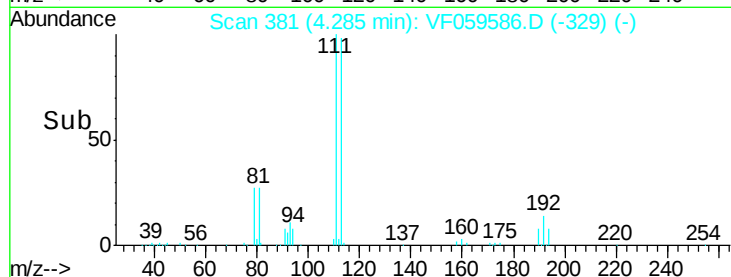
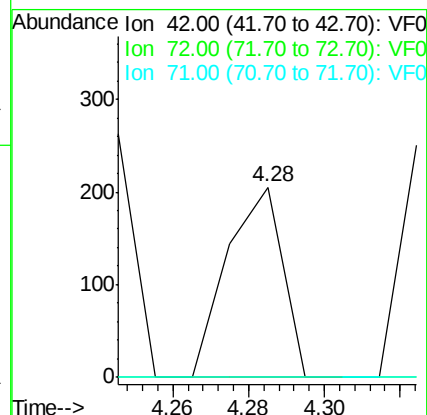
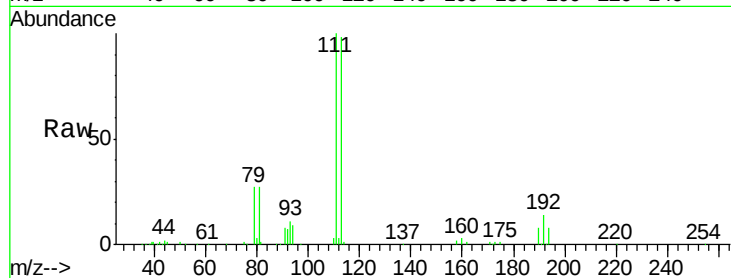
Tot Ion: 42 Resp: 206

Ion Ratio Lower Upper

42 100

72 0.0 28.7 43.1#

71 0.0 30.8 46.2#



#33

1,2-Dichloroethane-d4

Concen: 50.864 ug/l

RT: 5.02 min Scan# 456

Delta R.T. -0.01 min

Lab File: VF059586.D

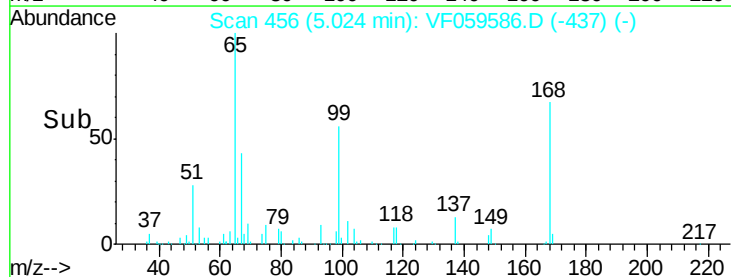
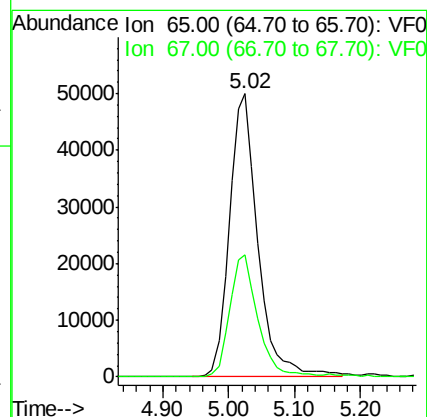
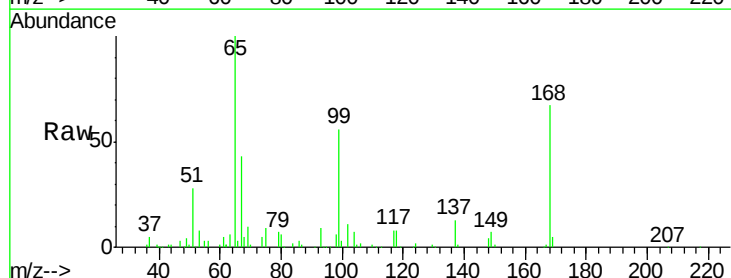
Acq: 20 Jul 2018 5:36

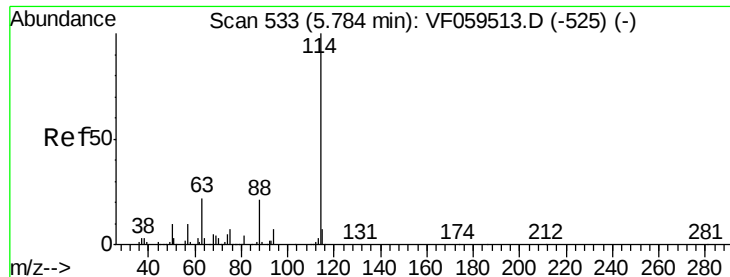
Tgt Ion: 65 Resp: 150939

Ion Ratio Lower Upper

65 100

67 43.0 0.0 91.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 531

Delta R.T. -0.02 min

Lab File: VF059586.D

Acq: 20 Jul 2018 5:36

Instrument :

MSVOA_F

ClientSampleId :

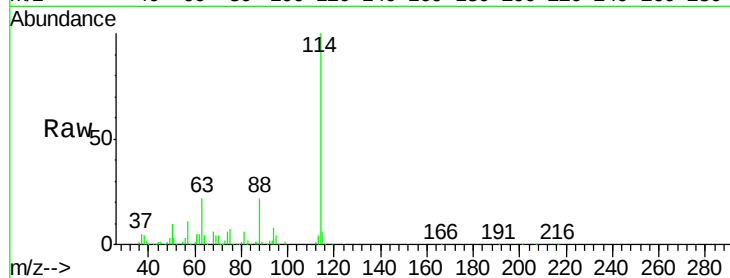
Tot Ion:114 Resp: 280806

Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.8

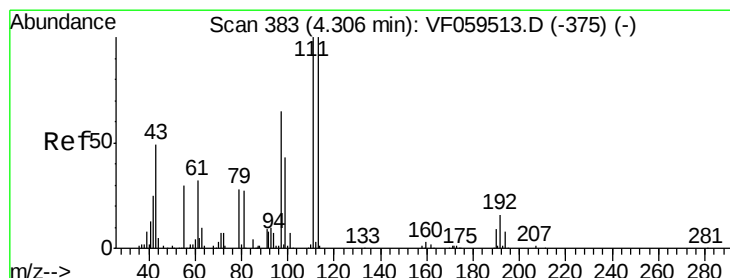
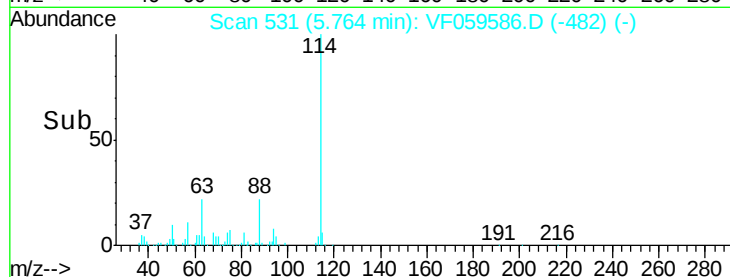
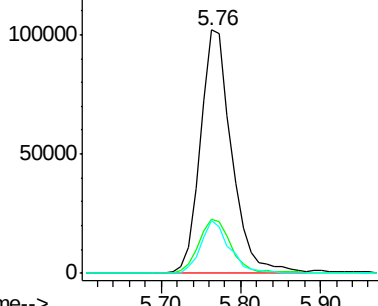
88 21.6 0.0 42.6



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: 50.320 ug/l

RT: 4.29 min Scan# 382

Delta R.T. -0.01 min

Lab File: VF059586.D

Acq: 20 Jul 2018 5:36

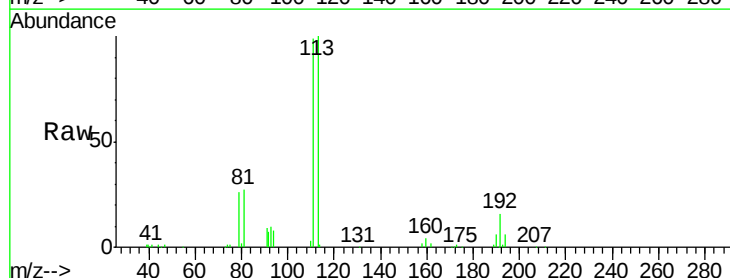
Tgt Ion:113 Resp: 122377

Ion Ratio Lower Upper

113 100

111 97.9 80.3 120.5

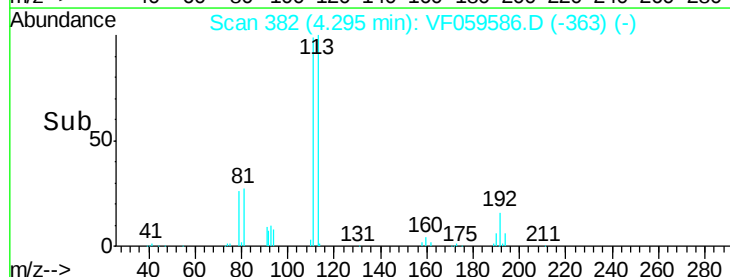
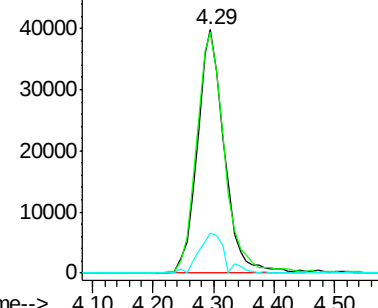
192 16.1 13.1 19.7

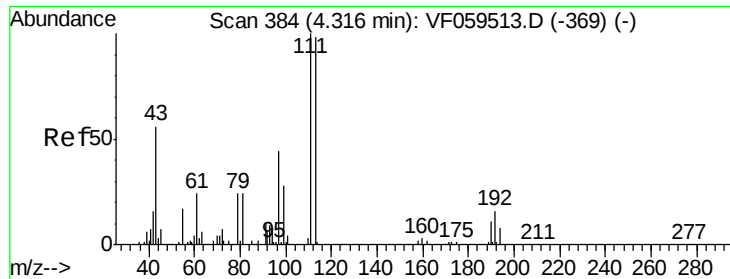


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

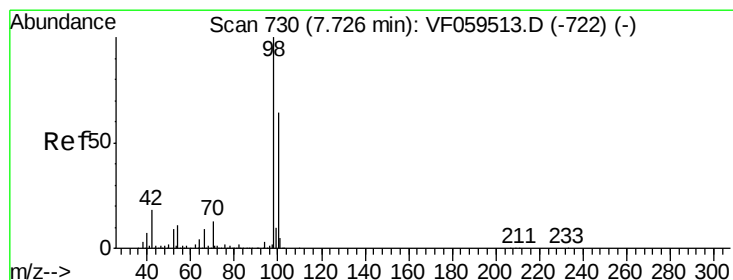
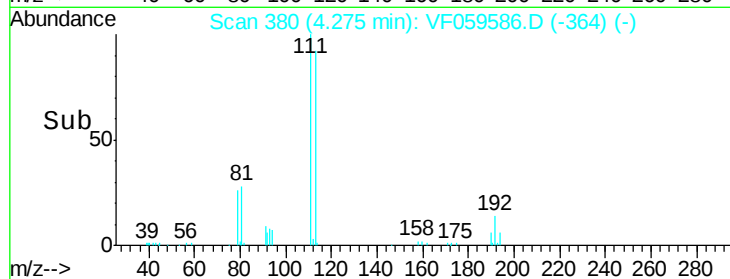
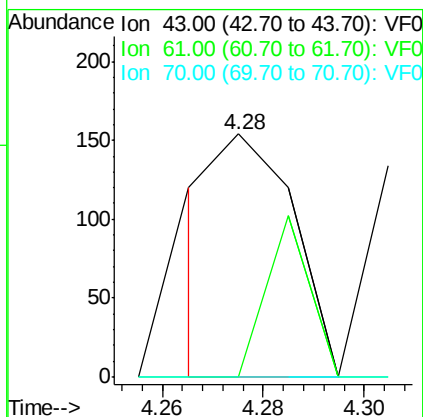
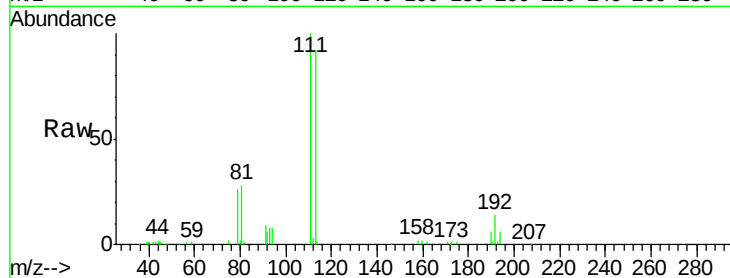




#37
Ethyl Acetate
Concen: Below Cal
RT: 4.28 min Scan# 380
Delta R.T. -0.04 min
Lab File: VF059586.D
Acq: 20 Jul 2018 5:36

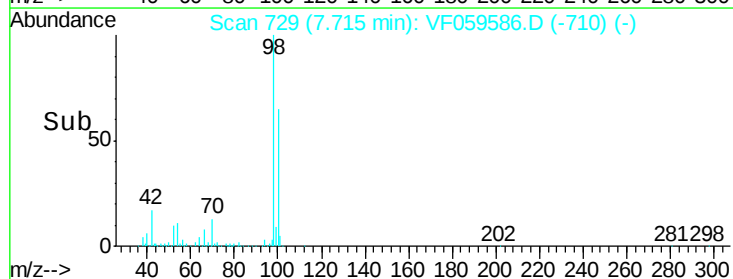
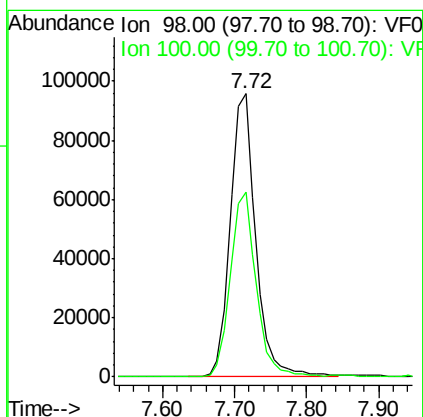
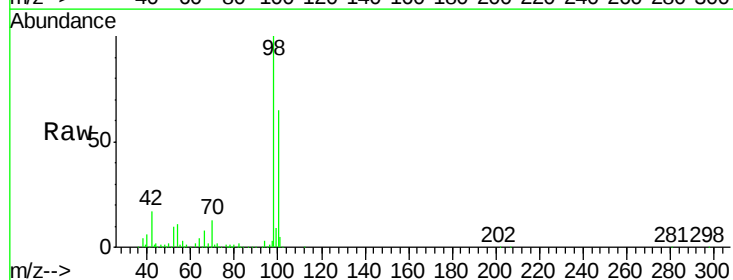
Instrument :
MSVOA_F
ClientSampleId :

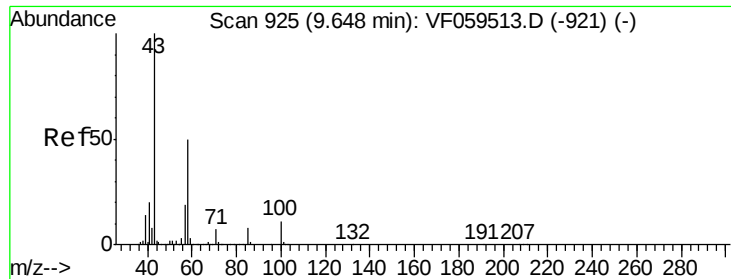
Tot Ion: 43 Resp: 162
Ion Ratio Lower Upper
43 100
61 0.0 33.7 50.5#
70 0.0 7.4 11.0#



#50
Toluene-d8
Concen: 38.636 ug/l
RT: 7.72 min Scan# 729
Delta R.T. -0.01 min
Lab File: VF059586.D
Acq: 20 Jul 2018 5:36

Tgt Ion: 98 Resp: 236687
Ion Ratio Lower Upper
98 100
100 65.1 50.9 76.3

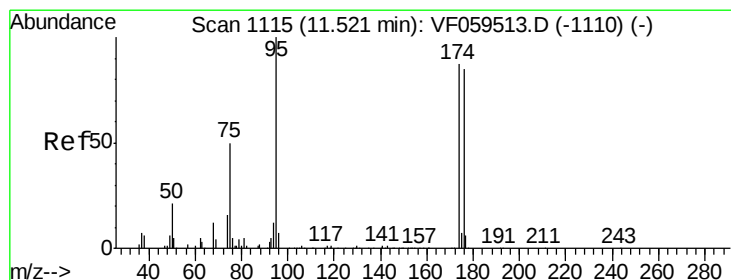
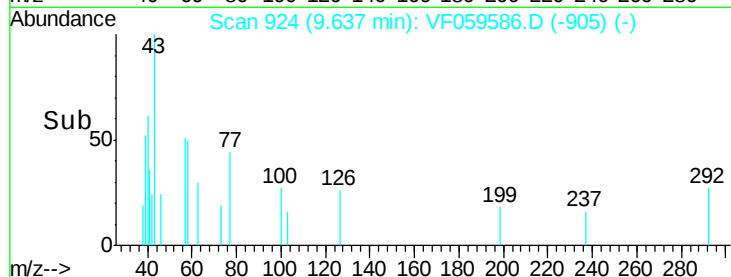
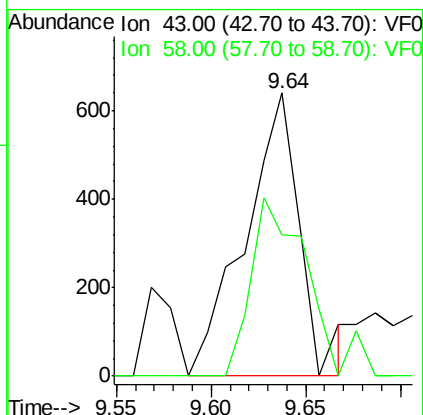
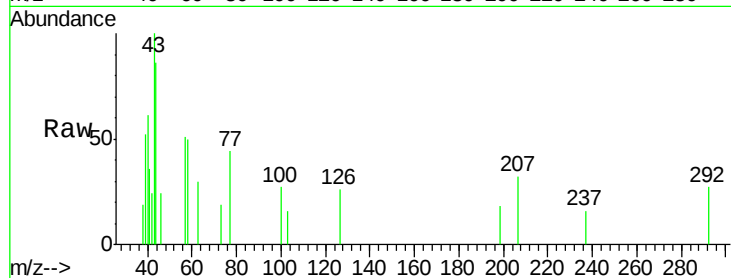




#59
2-Hexanone
Concen: 1.198 ug/l
RT: 9.64 min Scan# 924
Delta R.T. -0.01 min
Lab File: VF059586.D
Acq: 20 Jul 2018 5:36

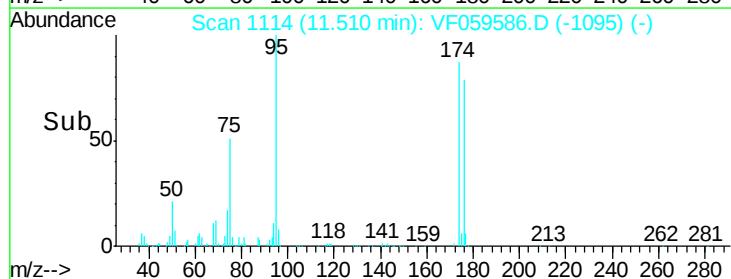
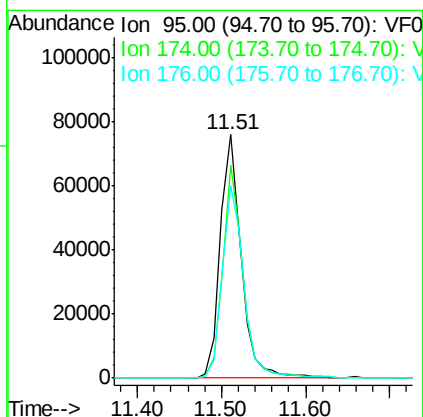
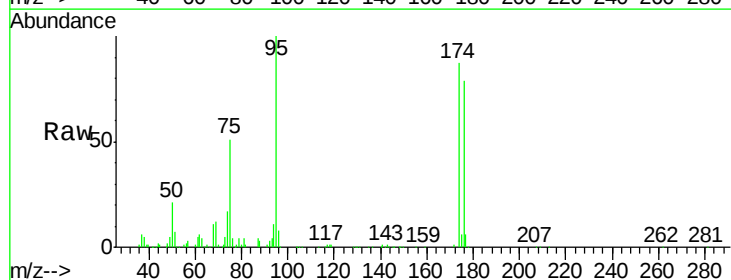
Instrument :
MSVOA_F
ClientSampleId :

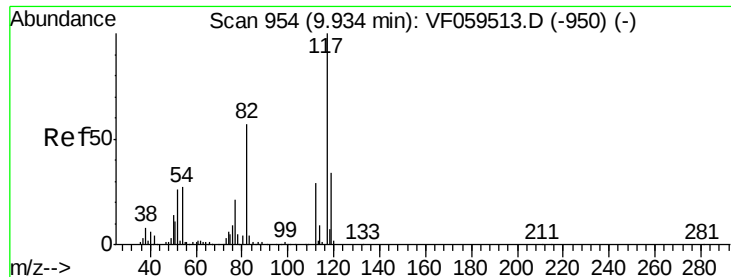
Tot Ion: 43 Resp: 1296
Ion Ratio Lower Upper
43 100
58 50.0 23.3 69.9



#62
4-Bromofluorobenzene
Concen: 41.228 ug/l
RT: 11.51 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VF059586.D
Acq: 20 Jul 2018 5:36

Tgt Ion: 95 Resp: 132495
Ion Ratio Lower Upper
95 100
174 87.3 0.0 174.4
176 79.0 0.0 169.4

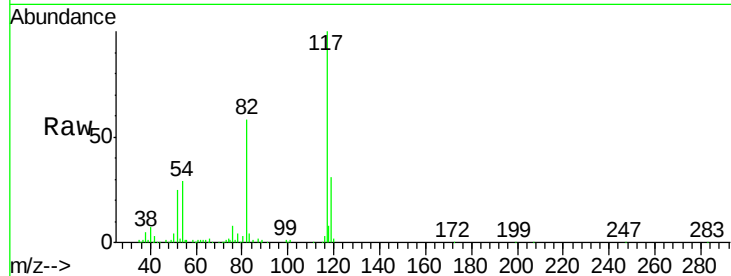




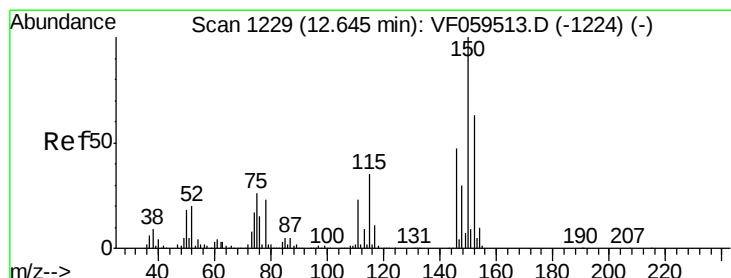
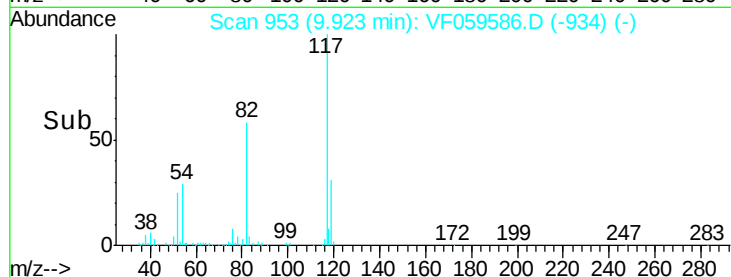
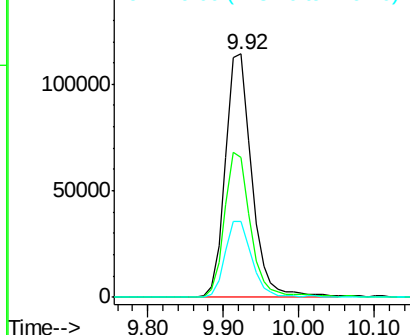
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF059586.D
Acq: 20 Jul 2018 5:36

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 276919
Ion Ratio Lower Upper
117 100
82 57.6 46.1 69.1
119 31.2 27.2 40.8

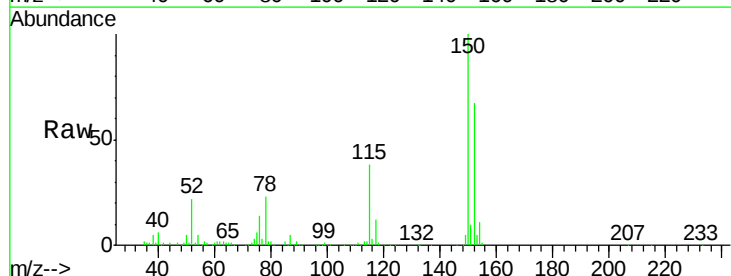


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1228
Delta R.T. -0.01 min
Lab File: VF059586.D
Acq: 20 Jul 2018 5:36

Tgt Ion:152 Resp: 151260
Ion Ratio Lower Upper
152 100
115 56.9 27.8 83.3
150 149.2 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

