

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021119\
 Data File : VF061586.D
 Acq On : 11 Feb 2019 15:17
 Operator : VA/AP
 Sample : K1453-03
 Misc : 5.86g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Feb 12 03:26:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

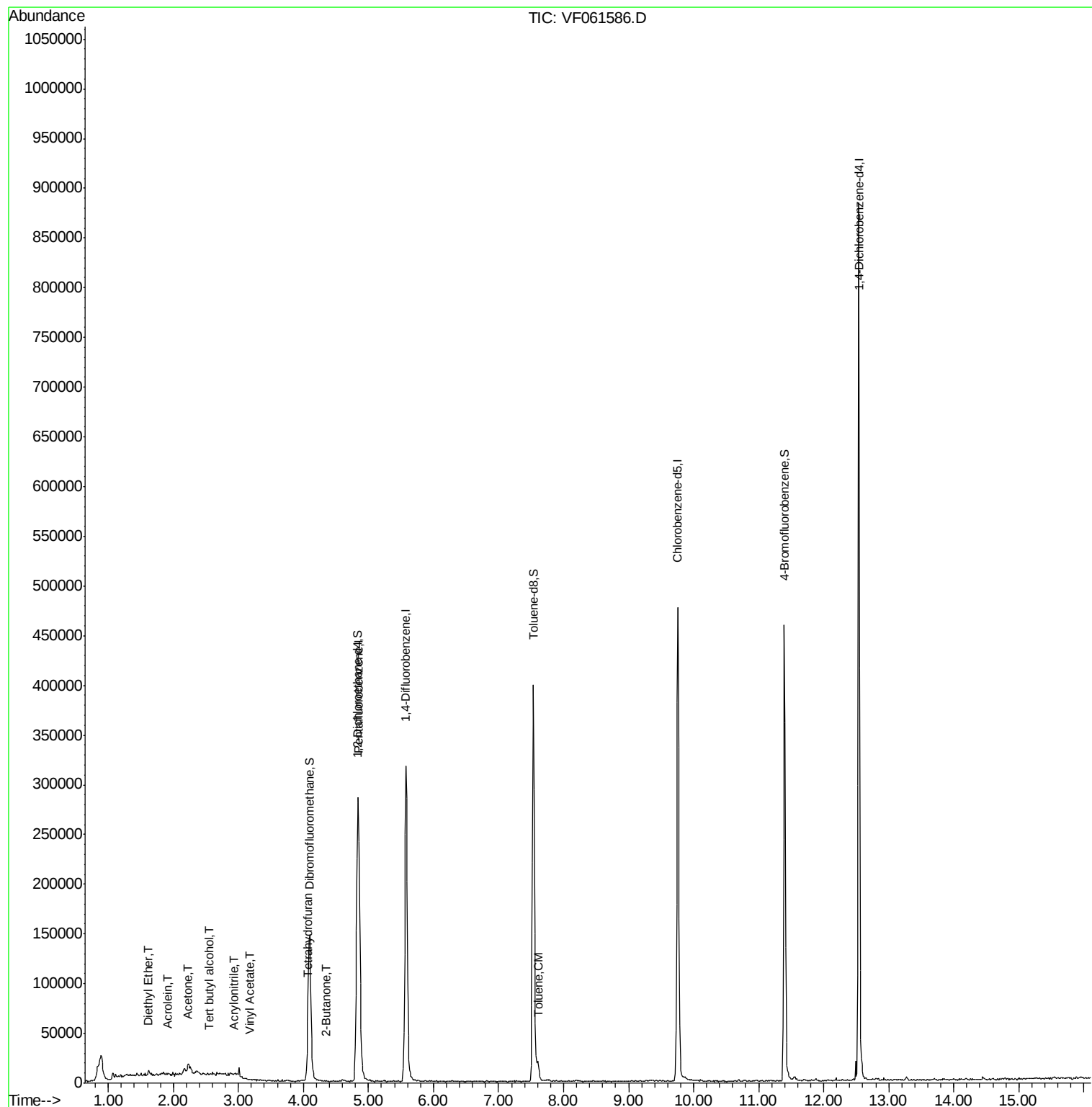
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	199351	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.57	114	346034	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	323070	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	185377	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	129715	52.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.40%	
35) Dibromofluoromethane	4.09	113	140983	51.63	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	103.26%	
50) Toluene-d8	7.54	98	338288	45.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.44%	
62) 4-Bromofluorobenzene	11.39	95	174075	49.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.60%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	1.62	74	1296	2.036	ug/l	99
11) Tert butyl alcohol	2.56	59	292	2.803	ug/l #	1
13) Acrolein	1.93	56	286	13.392	ug/l	98
14) Allyl chloride	1.96	41	412	Below Cal		85
15) Acrylonitrile	2.93	53	441	1.653	ug/l #	55
16) Acetone	2.22	43	9540	19.321	ug/l #	88
20) Methylene Chloride	2.16	84	2530	Below Cal	#	77
23) Vinyl Acetate	3.18	43	259	3.286	ug/l #	78
25) 2-Butanone	4.35	43	966	1.176	ug/l #	57
29) Tetrahydrofuran	4.06	42	844	2.387	ug/l #	38
52) Toluene	7.61	92	8251	1.403	ug/l	95

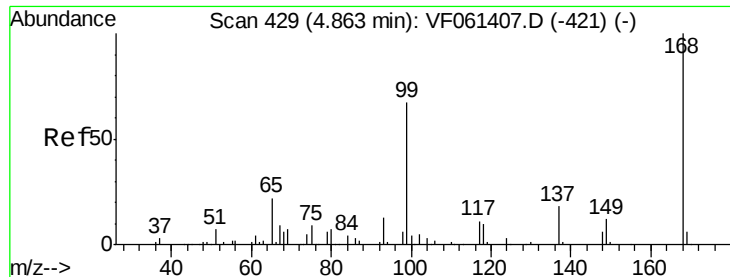
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.02 min

Lab File: VF061586.D

Acq: 11 Feb 2019 15:17

Instrument :

MSVOA_F

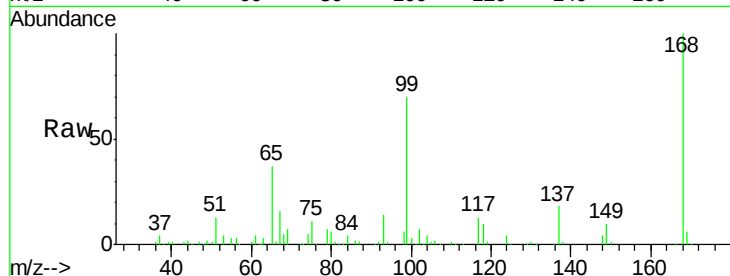
ClientSampleId :

Tot Ion:168 Resp: 199351

Ion Ratio Lower Upper

168 100

99 69.8 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.84

60000

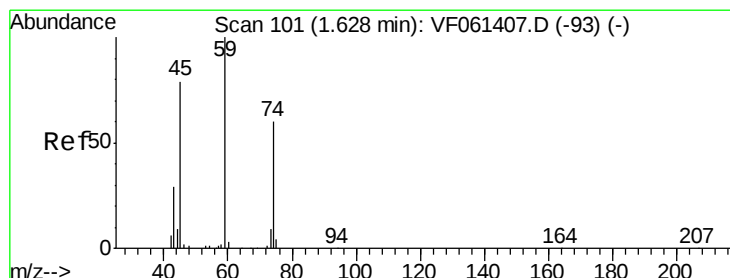
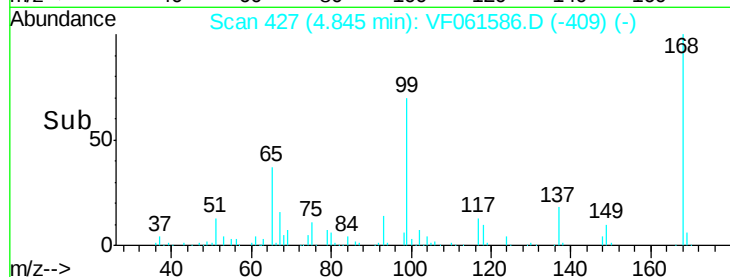
40000

20000

0

4.70 4.80 4.90 5.00

Time-->



#8

Diethyl Ether

Concen: 2.036 ug/l

RT: 1.62 min Scan# 100

Delta R.T. -0.01 min

Lab File: VF061586.D

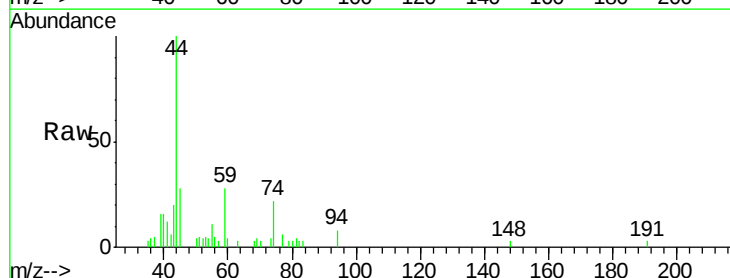
Acq: 11 Feb 2019 15:17

Tgt Ion: 74 Resp: 1296

Ion Ratio Lower Upper

74 100

45 130.9 65.8 197.5



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1200

1000

800

600

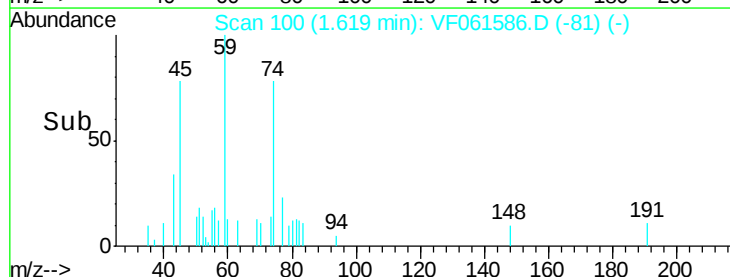
400

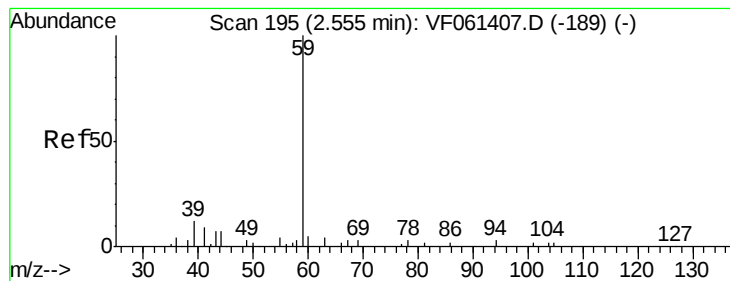
200

0

1.60 1.65

Time-->



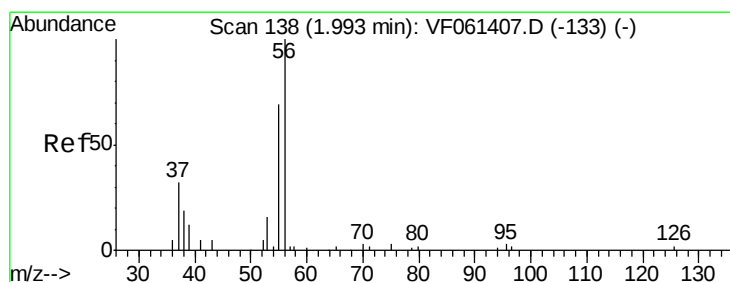
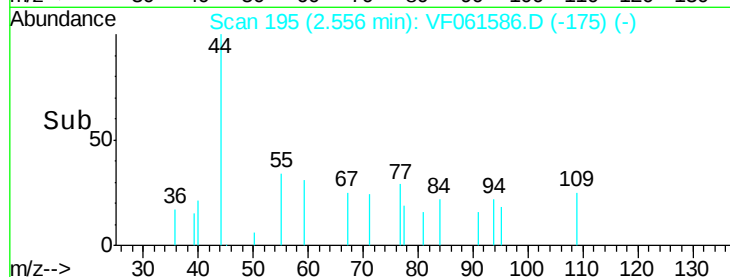
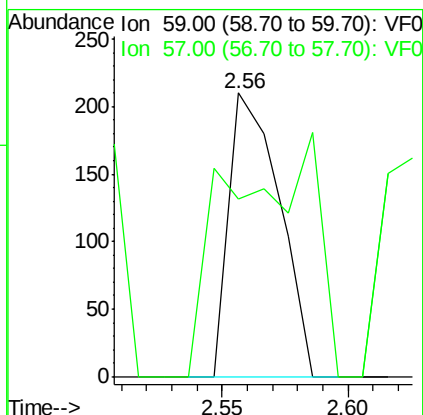
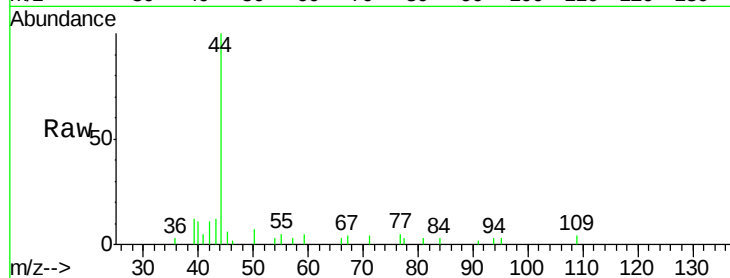


#11

Tert butyl alcohol
 Concen: 2.803 ug/l
 RT: 2.56 min Scan# 195
 Delta R.T. 0.00 min
 Lab File: VF061586.D
 Acq: 11 Feb 2019 15:17

Instrument :
 MSVOA_F
 ClientSampleId :

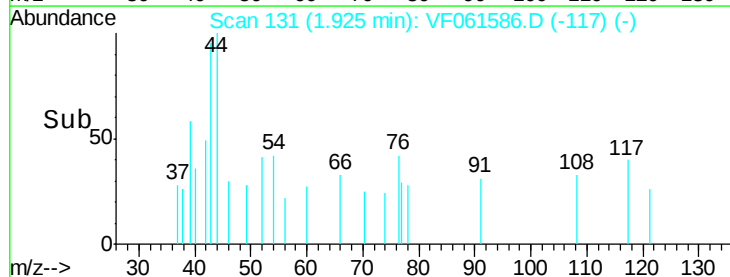
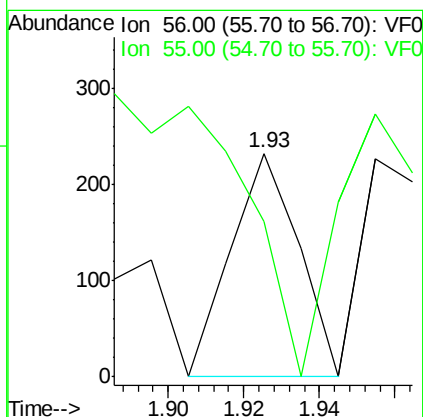
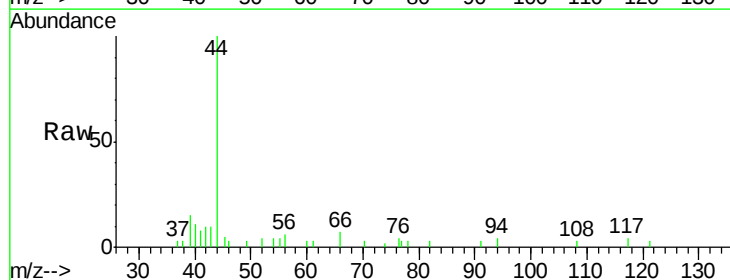
Tot Ion: 59 Resp: 292
 Ion Ratio Lower Upper
 59 100
 57 62.9 11.9 17.9#

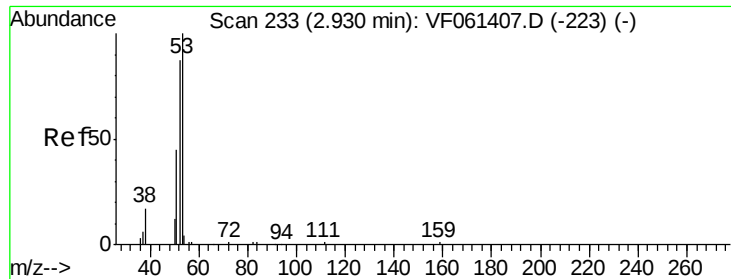


#13

Acrolein
 Concen: 13.392 ug/l
 RT: 1.93 min Scan# 131
 Delta R.T. -0.07 min
 Lab File: VF061586.D
 Acq: 11 Feb 2019 15:17

Tgt Ion: 56 Resp: 286
 Ion Ratio Lower Upper
 56 100
 55 69.8 57.5 86.3





#15

Acrylonitrile

Concen: 1.653 ug/l

RT: 2.93 min Scan# 233

Delta R.T. 0.00 min

Lab File: VF061586.D

Acq: 11 Feb 2019 15:17

Instrument :
MSVOA_F
ClientSampled :

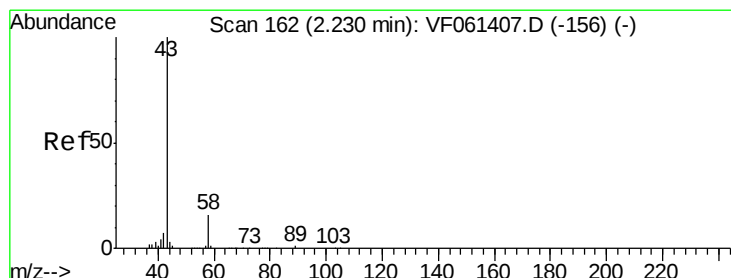
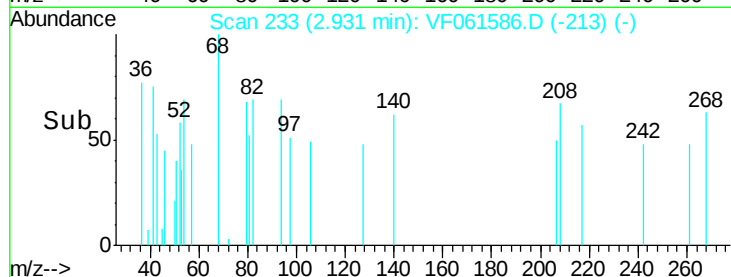
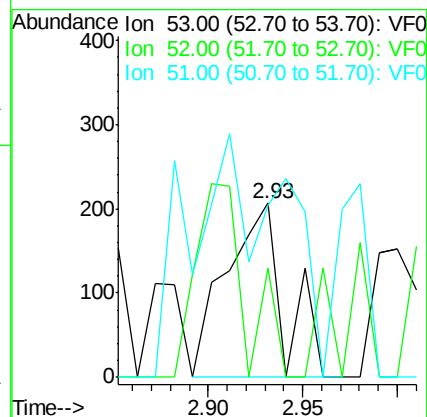
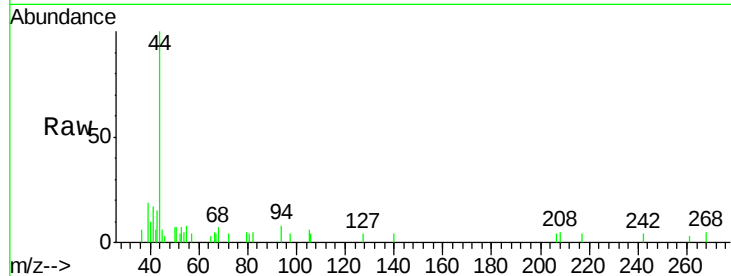
Tot Ion: 53 Resp: 441

Ion Ratio Lower Upper

53 100

52 62.3 69.6 104.4#

51 98.6 36.8 55.2#



#16

Acetone

Concen: 19.321 ug/l

RT: 2.22 min Scan# 161

Delta R.T. -0.01 min

Lab File: VF061586.D

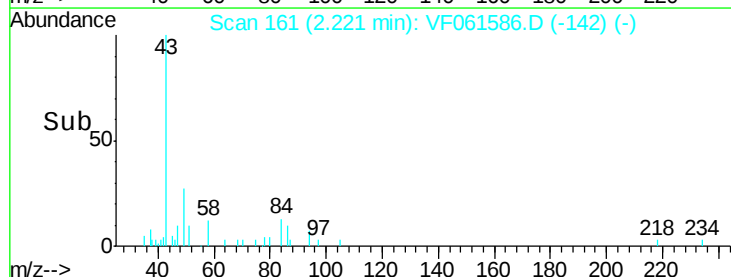
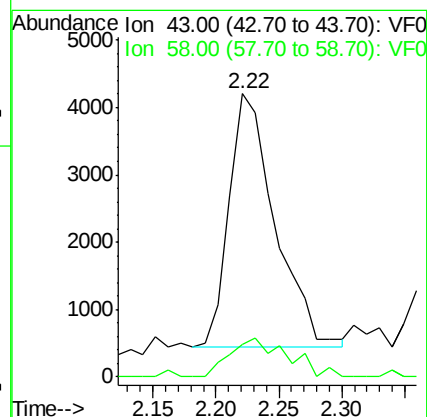
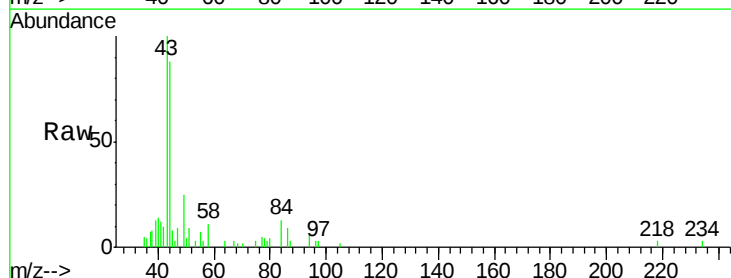
Acq: 11 Feb 2019 15:17

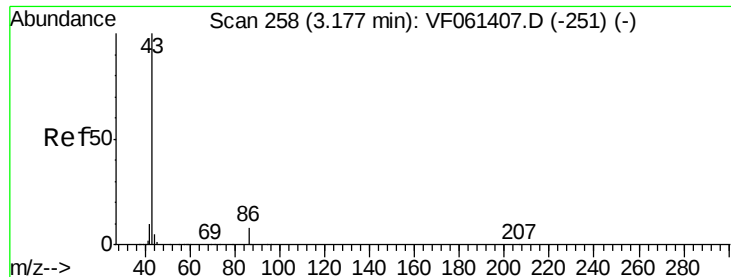
Tgt Ion: 43 Resp: 9540

Ion Ratio Lower Upper

43 100

58 11.4 13.3 19.9#





#23

Vinyl Acetate

Concen: 3.286 ug/l

RT: 3.18 min Scan# 258

Delta R.T. 0.00 min

Lab File: VF061586.D

Acq: 11 Feb 2019 15:17

Instrument :

MSVOA_F

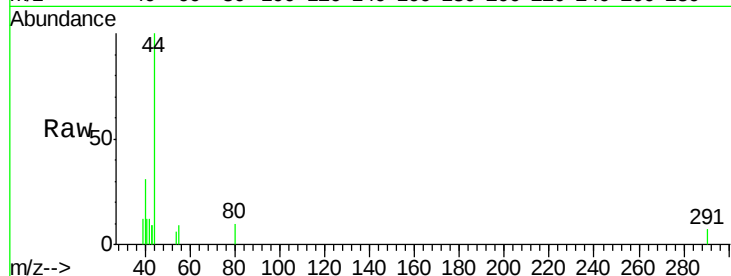
ClientSampled :

Tot Ion: 43 Resp: 259

Ion Ratio Lower Upper

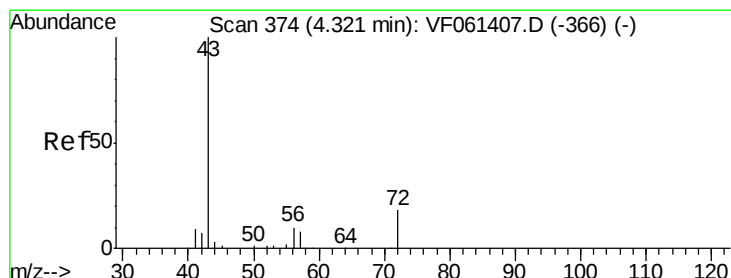
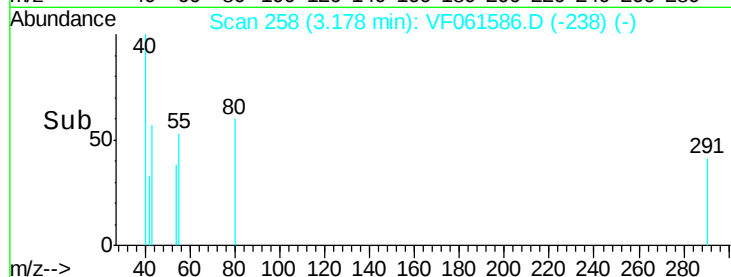
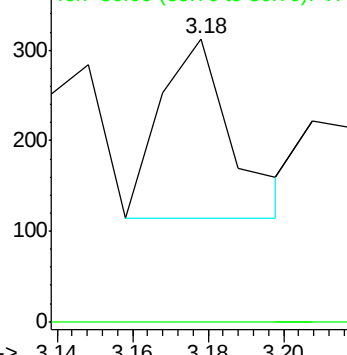
43 100

86 0.0 6.2 9.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#25

2-Butanone

Concen: 1.176 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.03 min

Lab File: VF061586.D

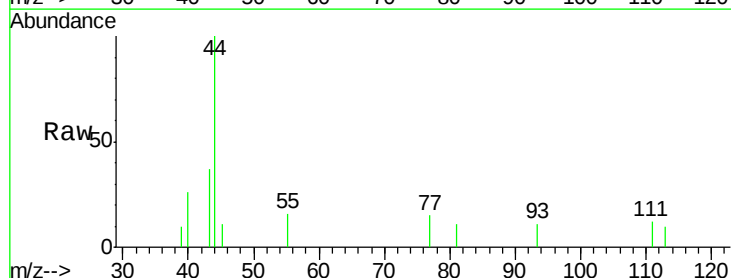
Acq: 11 Feb 2019 15:17

Tgt Ion: 43 Resp: 966

Ion Ratio Lower Upper

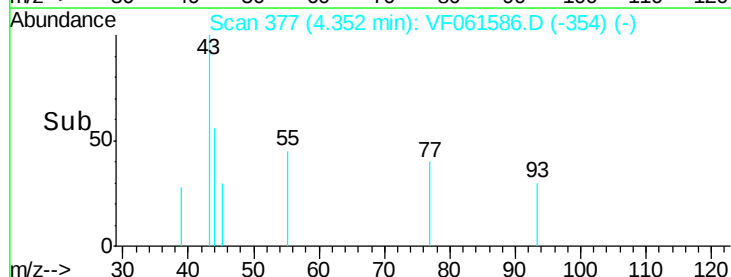
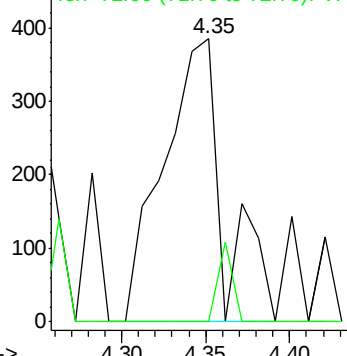
43 100

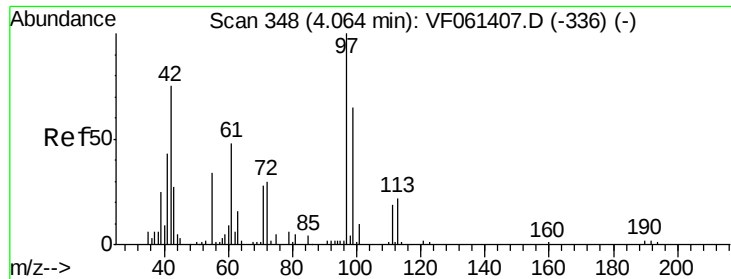
72 0.0 15.8 23.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0





#29

Tetrahydrofuran

Concen: 2.387 ug/l

RT: 4.06 min Scan# 347

Delta R.T. -0.01 min

Lab File: VF061586.D

Acq: 11 Feb 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

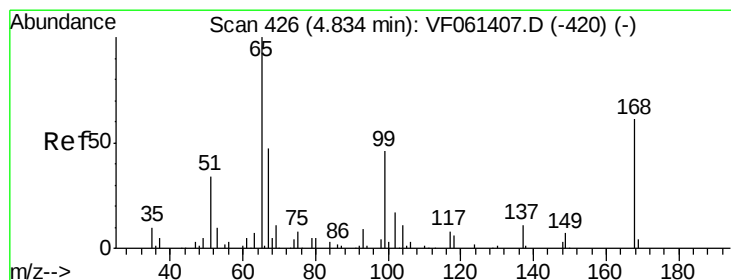
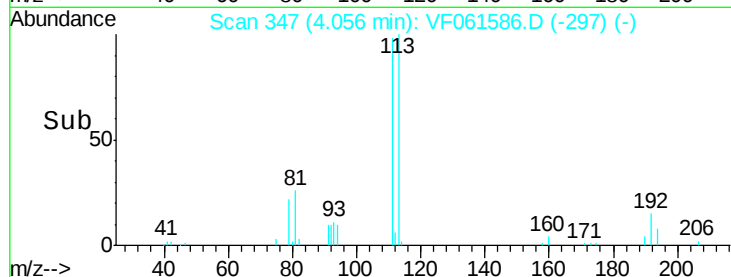
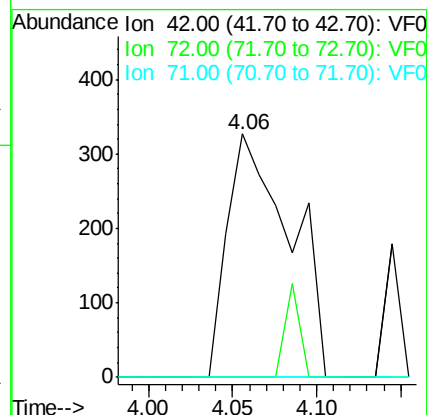
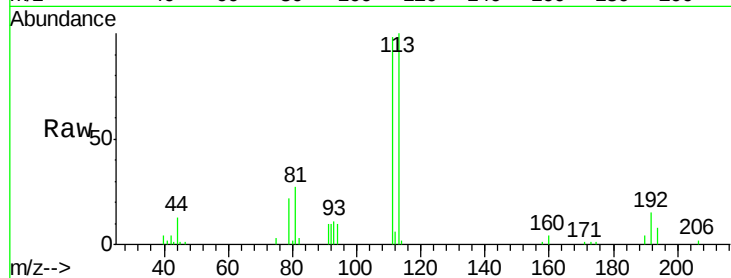
Tot Ion: 42 Resp: 844

Ion Ratio Lower Upper

42 100

72 0.0 28.9 43.3#

71 0.0 29.6 44.4#



#33

1,2-Dichloroethane-d4

Concen: 52.703 ug/l

RT: 4.83 min Scan# 425

Delta R.T. -0.01 min

Lab File: VF061586.D

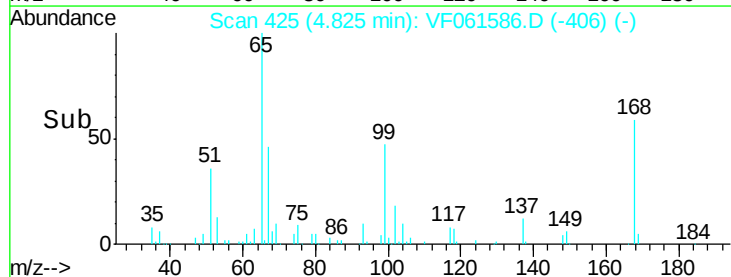
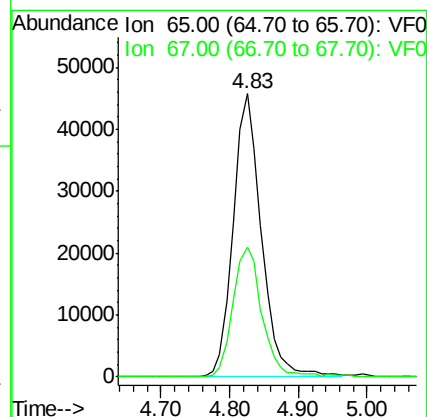
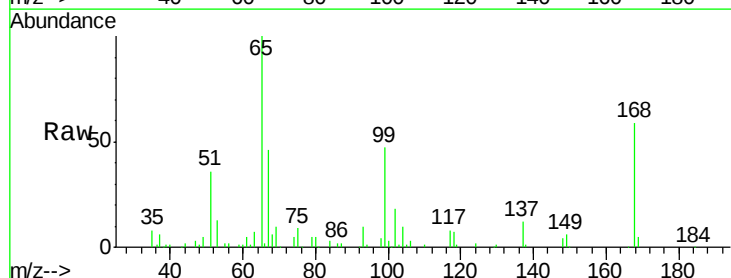
Acq: 11 Feb 2019 15:17

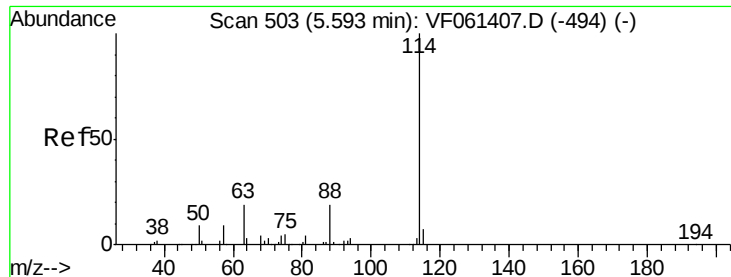
Tgt Ion: 65 Resp: 129715

Ion Ratio Lower Upper

65 100

67 45.9 0.0 99.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.57 min Scan# 501

Delta R.T. -0.02 min

Lab File: VF061586.D

Acq: 11 Feb 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

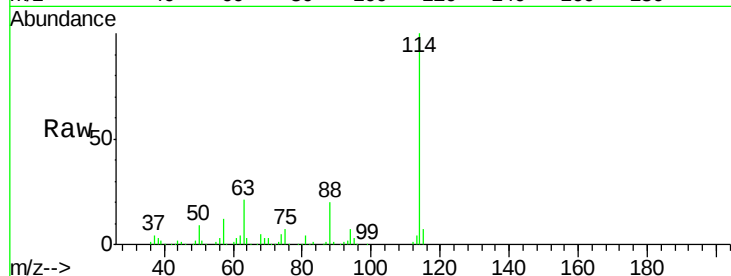
Tot Ion:114 Resp: 346034

Ion Ratio Lower Upper

114 100

63 21.2 0.0 39.0

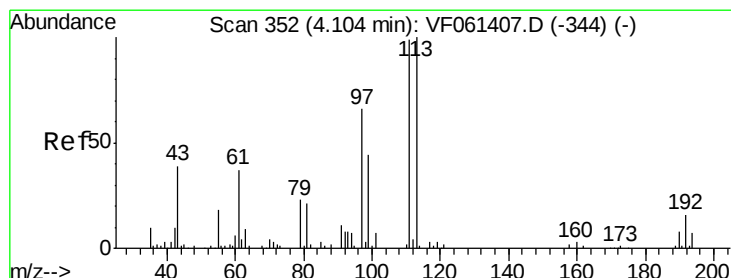
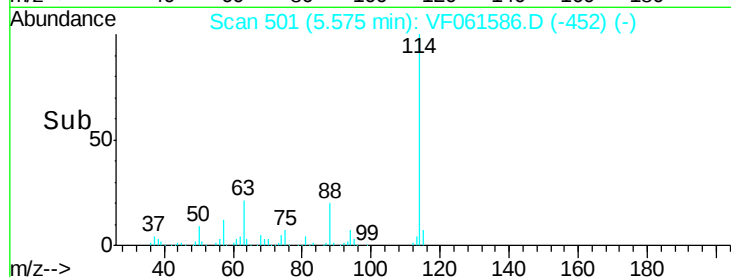
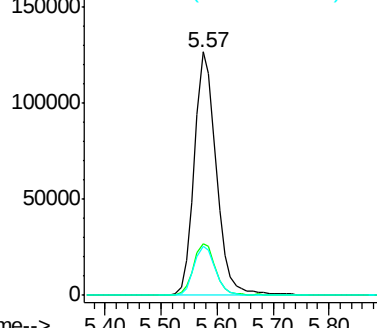
88 20.2 0.0 37.4



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: 51.633 ug/l

RT: 4.09 min Scan# 350

Delta R.T. -0.02 min

Lab File: VF061586.D

Acq: 11 Feb 2019 15:17

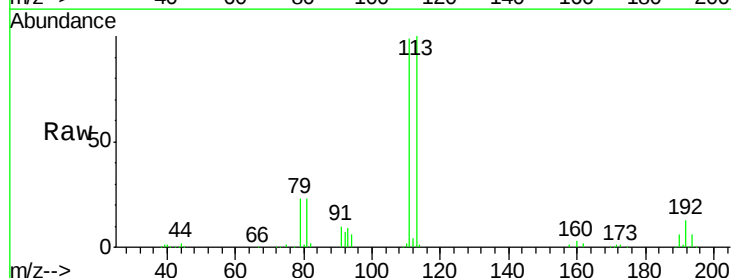
Tgt Ion:113 Resp: 140983

Ion Ratio Lower Upper

113 100

111 99.2 79.4 119.0

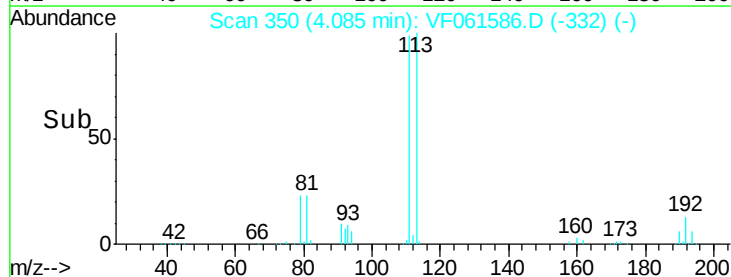
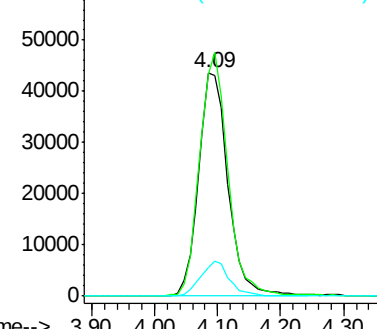
192 13.1 12.4 18.6

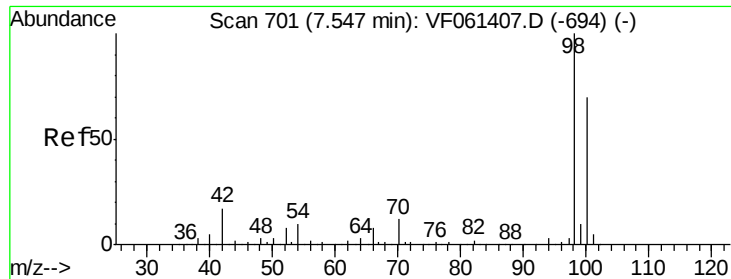


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

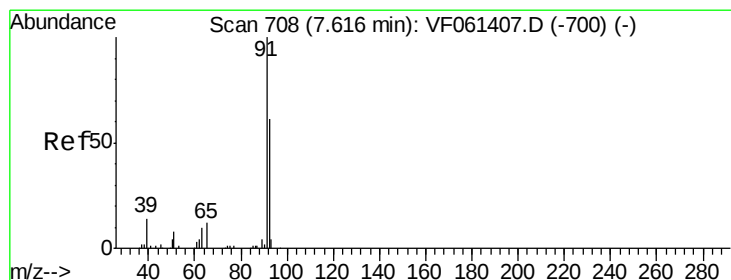
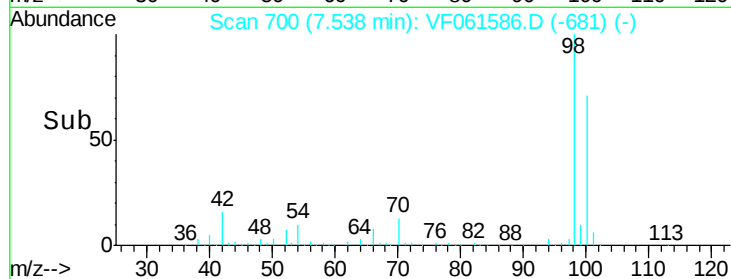
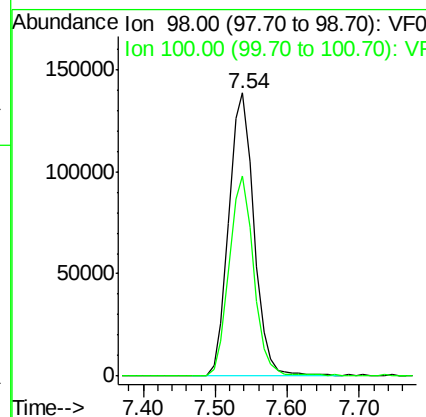
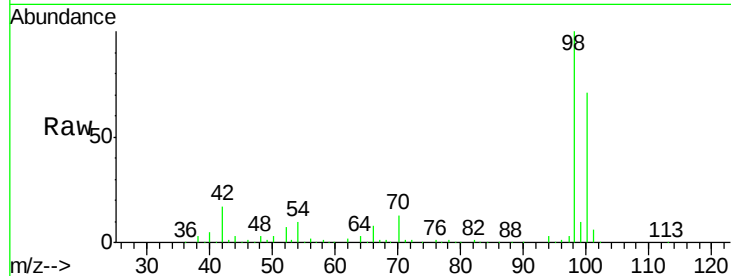




#50
Toluene-d8
Concen: 45.219 ug/l
RT: 7.54 min Scan# 700
Delta R.T. -0.01 min
Lab File: VF061586.D
Acq: 11 Feb 2019 15:17

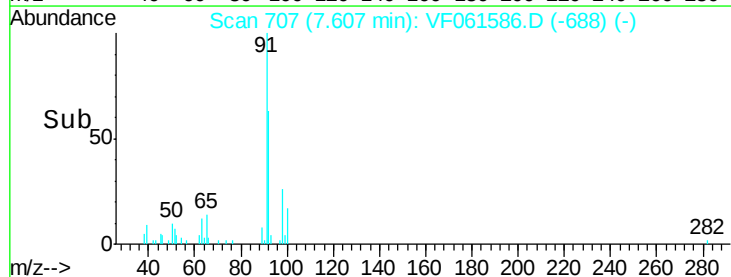
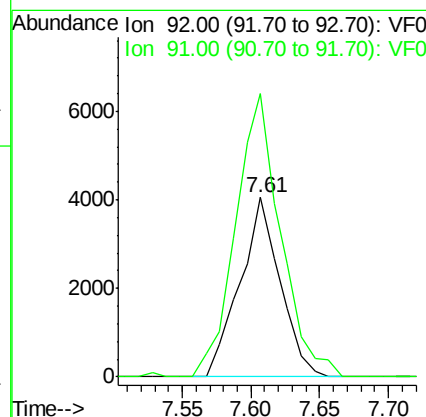
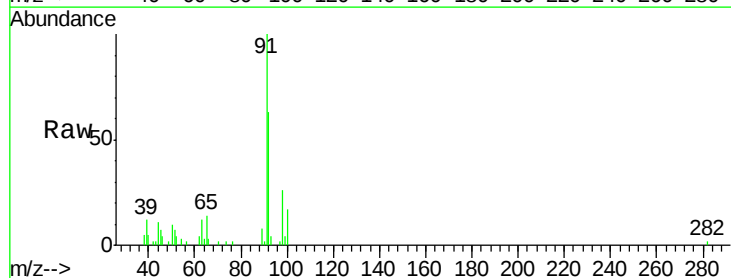
Instrument :
MSVOA_F
ClientSampled :

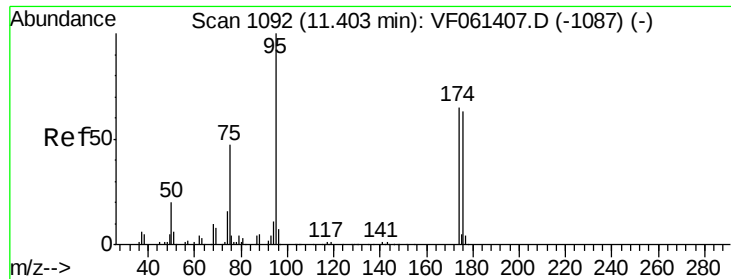
Tot Ion: 98 Resp: 338288
Ion Ratio Lower Upper
98 100
100 70.9 55.6 83.4



#52
Toluene
Concen: 1.403 ug/l
RT: 7.61 min Scan# 707
Delta R.T. -0.01 min
Lab File: VF061586.D
Acq: 11 Feb 2019 15:17

Tgt Ion: 92 Resp: 8251
Ion Ratio Lower Upper
92 100
91 157.8 131.2 196.8

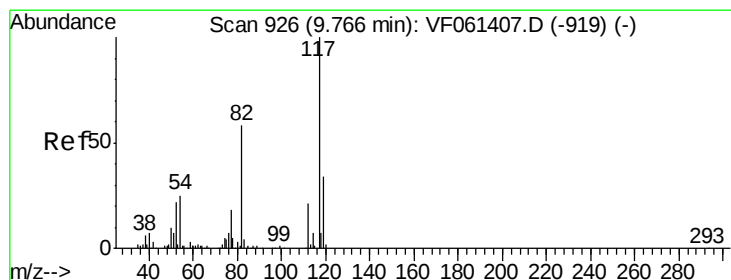
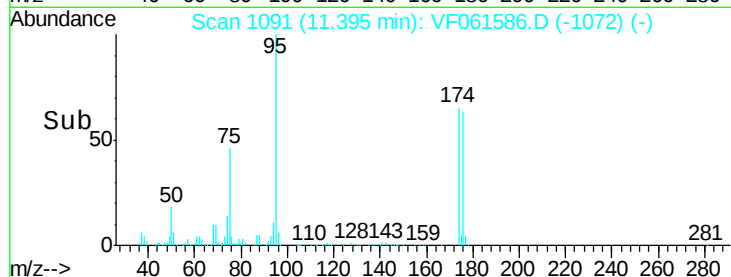
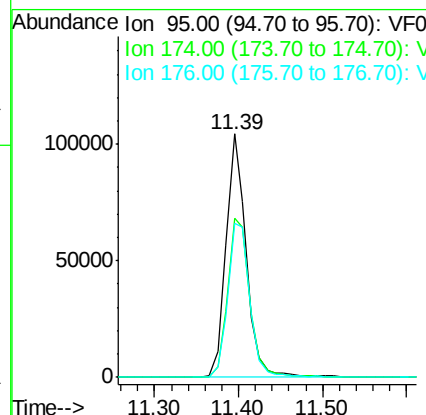
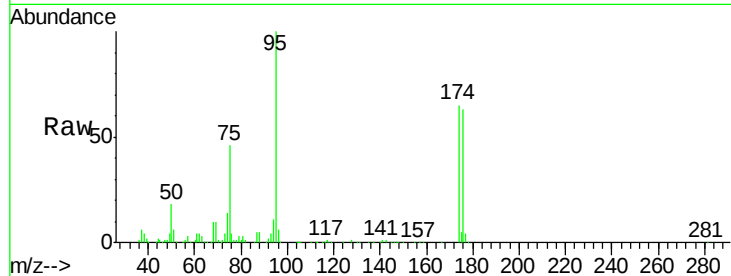




#62
4-Bromofluorobenzene
Concen: 49.801 ug/l
RT: 11.39 min Scan# 1091
Delta R.T. -0.01 min
Lab File: VF061586.D
Acq: 11 Feb 2019 15:17

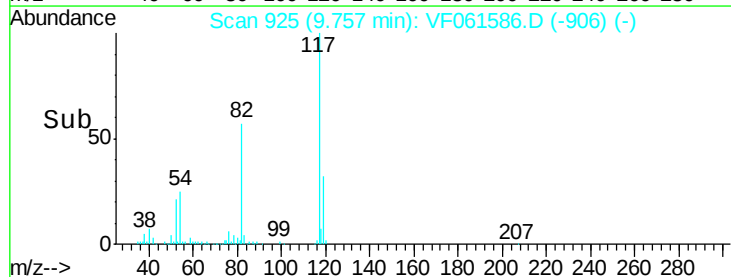
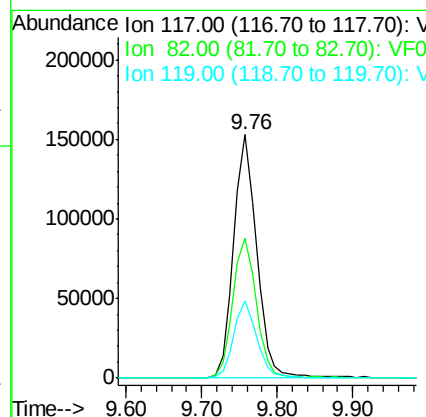
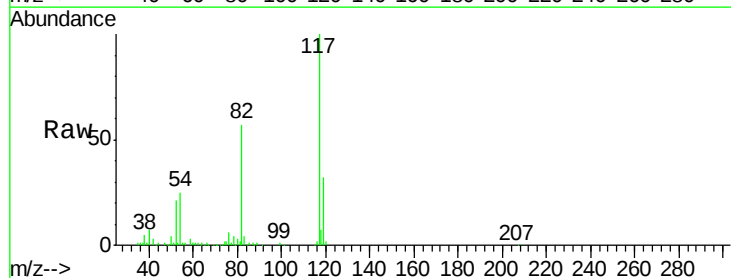
Instrument :
MSVOA_F
ClientSampled :

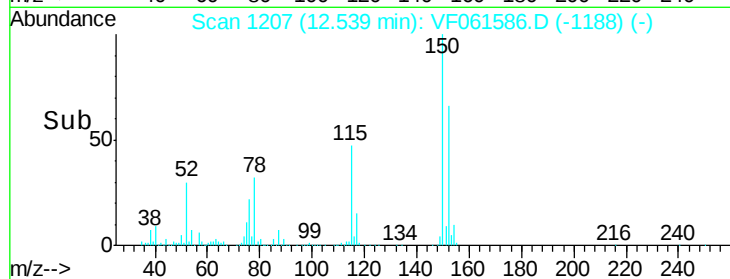
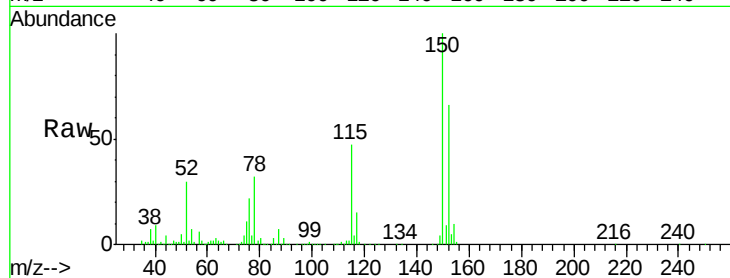
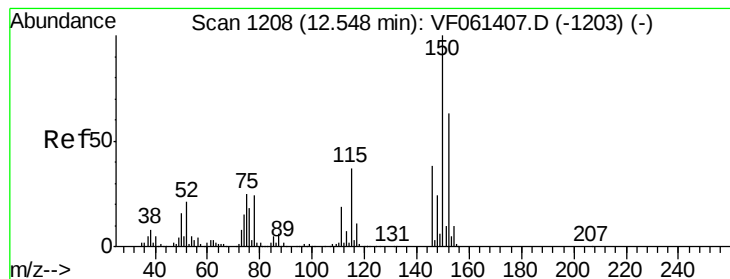
Tot Ion	Ratio	Lower	Upper
95	100		
174	65.2	0.0	130.4
176	63.1	0.0	126.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 925
Delta R.T. -0.01 min
Lab File: VF061586.D
Acq: 11 Feb 2019 15:17

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.4	46.4	69.6
119	31.7	27.2	40.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VF061586.D

Acq: 11 Feb 2019 15:17

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:152 Resp: 185377

Ion Ratio Lower Upper

152 100

115 72.0 30.0 90.0

150 152.5 0.0 321.4

