

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022719\
 Data File : VF061763.D
 Acq On : 27 Feb 2019 13:33
 Operator : VA/AP
 Sample : VF0227SBL01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Feb 28 00:30:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	312277	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.58	114	464133	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	421753	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	242229	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	132582	57.90	ug/l	-0.03
Spiked Amount			Recovery	=	115.80%	
35) Dibromofluoromethane	4.09	113	206311	59.86	ug/l	-0.03
Spiked Amount			Recovery	=	119.72%	
50) Toluene-d8	7.53	98	545628	55.07	ug/l	-0.03
Spiked Amount			Recovery	=	110.14%	
62) 4-Bromofluorobenzene	11.40	95	242207	60.42	ug/l	-0.02
Spiked Amount			Recovery	=	120.84%	

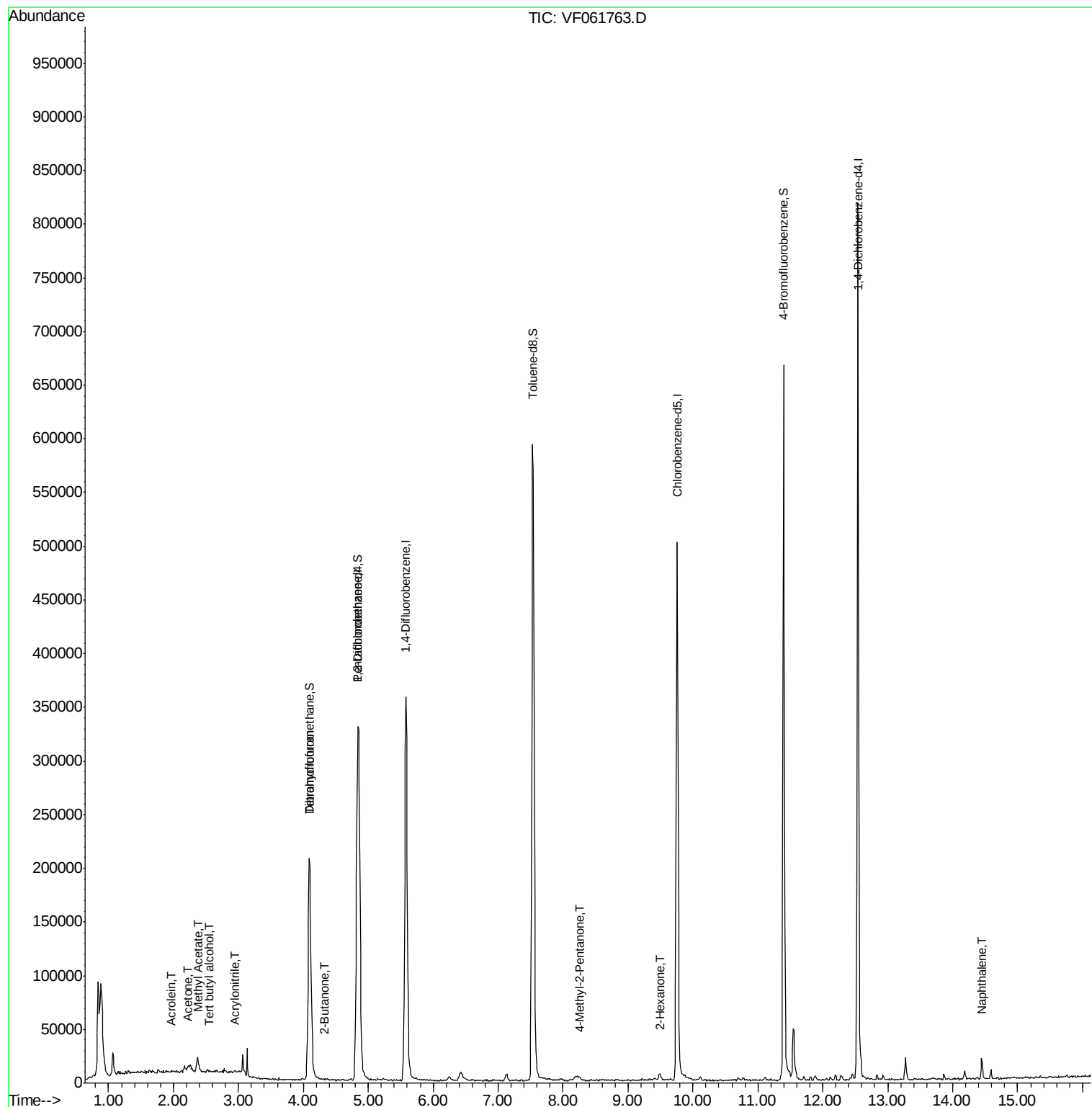
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.56	59	168	1.268	ug/l #	1
13) Acrolein	1.98	56	844	5.067	ug/l	85
15) Acrylonitrile	2.94	53	817	1.738	ug/l #	62
16) Acetone	2.24	43	2775	5.648	ug/l #	69
18) Methyl Acetate	2.36	43	6074	5.488	ug/l #	59
20) Methylene Chloride	2.18	84	2584	Below Cal	#	79
25) 2-Butanone	4.32	43	2299	2.142	ug/l #	55
29) Tetrahydrofuran	4.08	42	1125	2.306	ug/l #	63
51) 4-Methyl-2-Pentanone	8.26	43	3402	1.883	ug/l #	70
59) 2-Hexanone	9.48	43	4651	3.673	ug/l	83
95) Naphthalene	14.44	128	12381	1.250	ug/l	98

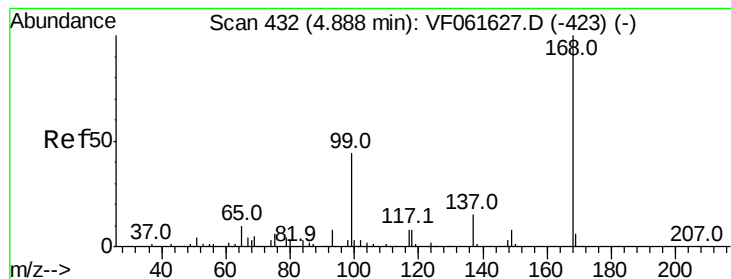
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_F
ClientSampleId :

Quant Time: Feb 28 00:30:23 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.04 min

Lab File: VF061763.D

Acq: 27 Feb 2019 13:33

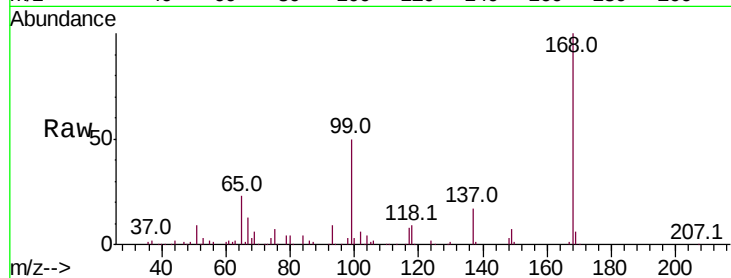
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 312277

Ion Ratio Lower Upper

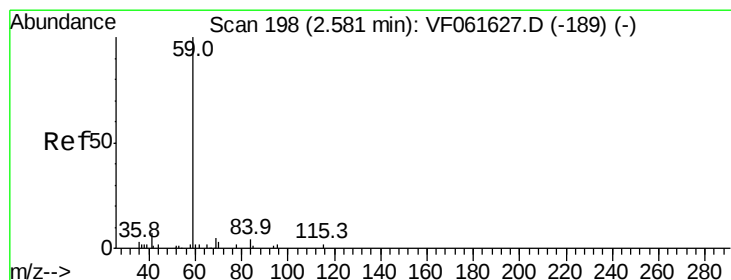
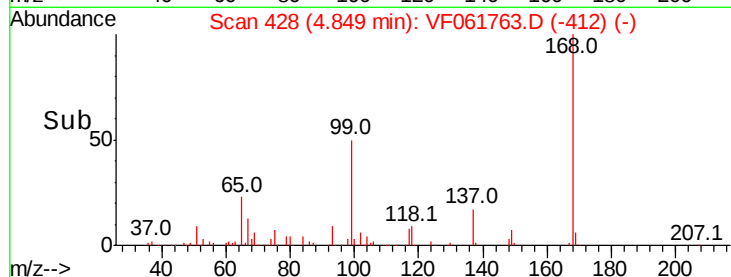
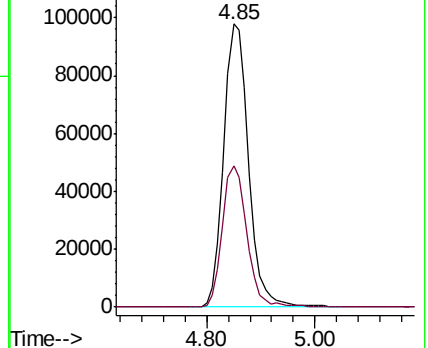
168 100

99 49.9 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#11

Tert butyl alcohol

Concen: 1.268 ug/l

RT: 2.56 min Scan# 196

Delta R.T. -0.02 min

Lab File: VF061763.D

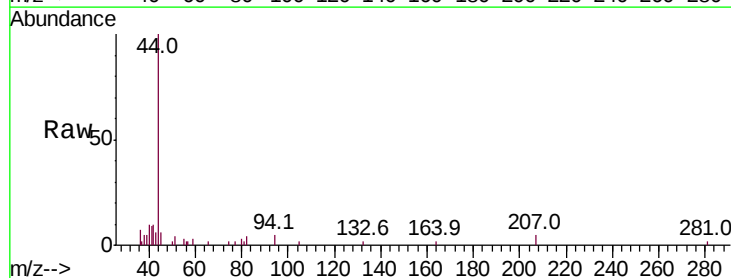
Acq: 27 Feb 2019 13:33

Tgt Ion: 59 Resp: 168

Ion Ratio Lower Upper

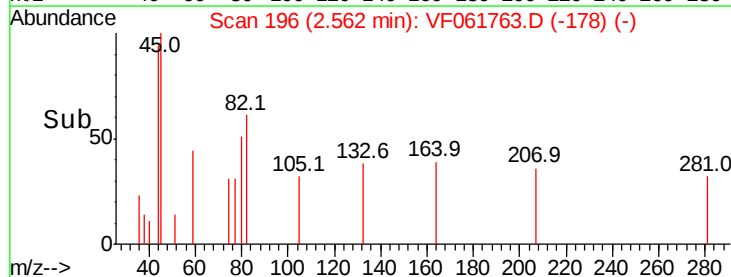
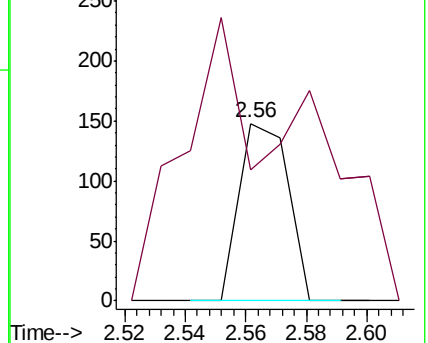
59 100

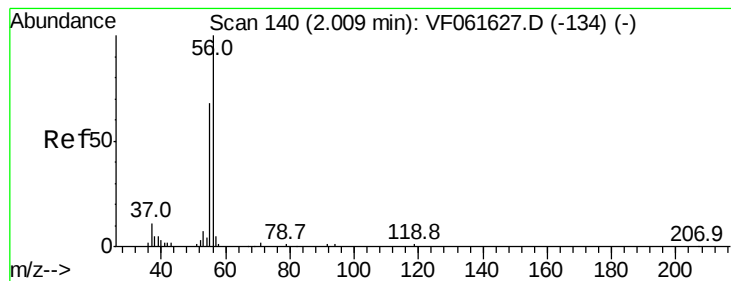
57 73.6 12.5 18.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#13

Acrolein

Concen: 5.067 ug/l

RT: 1.98 min Scan# 137

Delta R.T. -0.03 min

Lab File: VF061763.D

Acq: 27 Feb 2019 13:33

Instrument :

MSVOA_F

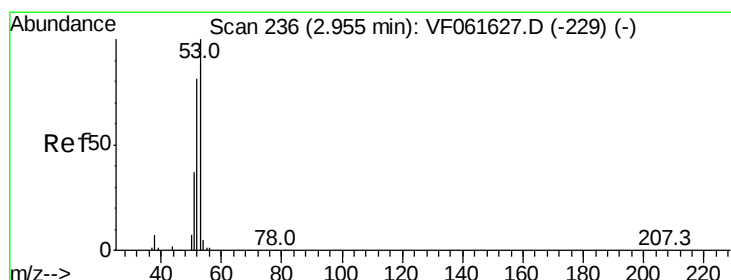
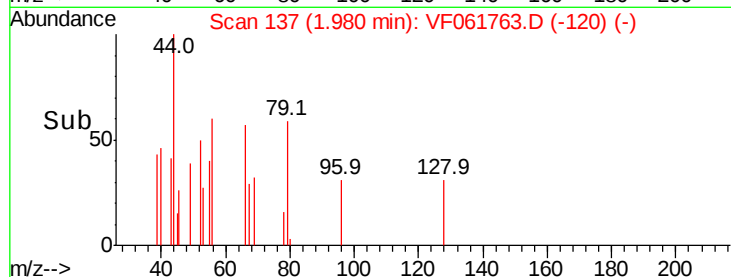
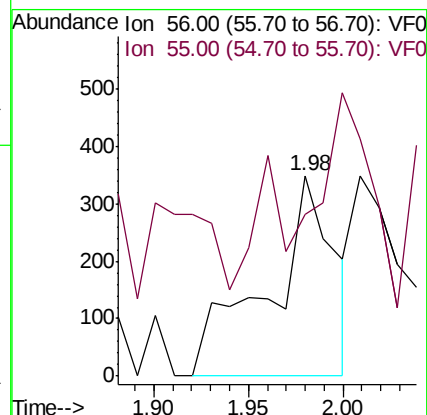
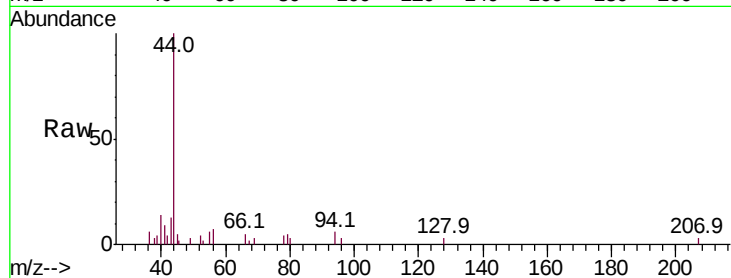
ClientSampled :

Tot Ion: 56 Resp: 844

Ion Ratio Lower Upper

56 100

55 80.8 55.0 82.6



#15

Acrylonitrile

Concen: 1.738 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.02 min

Lab File: VF061763.D

Acq: 27 Feb 2019 13:33

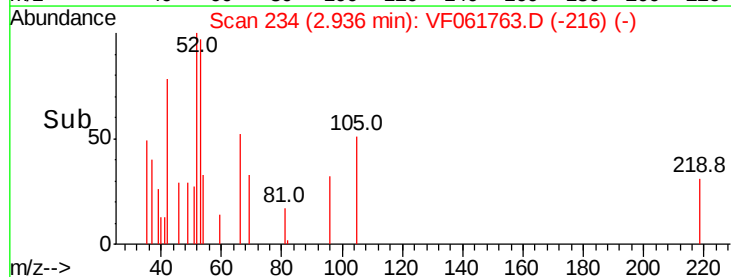
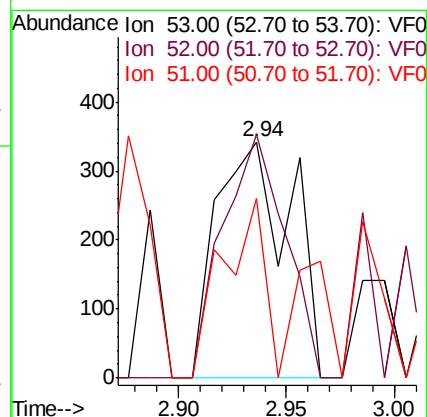
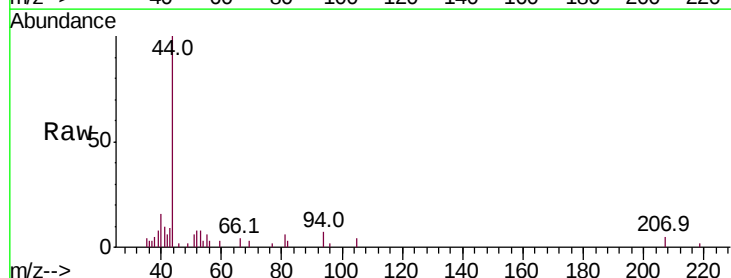
Tgt Ion: 53 Resp: 817

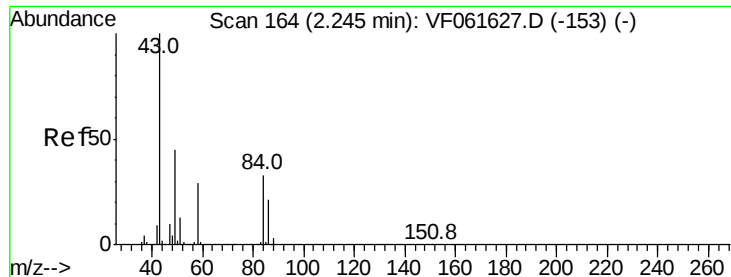
Ion Ratio Lower Upper

53 100

52 103.2 64.6 97.0#

51 76.0 29.8 44.8#





#16

Acetone

Concen: 5.648 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.01 min

Lab File: VF061763.D

Acq: 27 Feb 2019 13:33

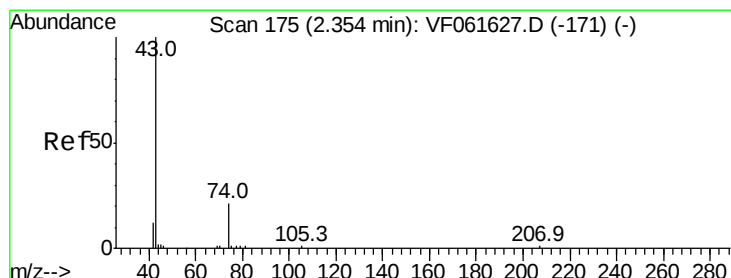
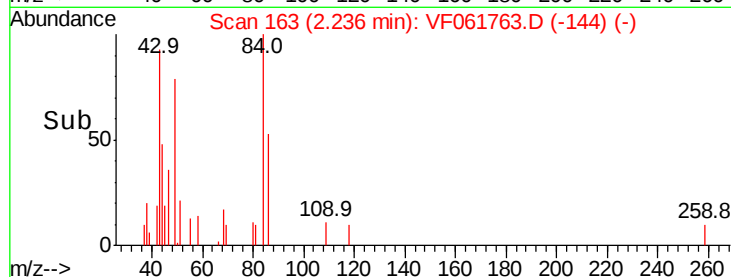
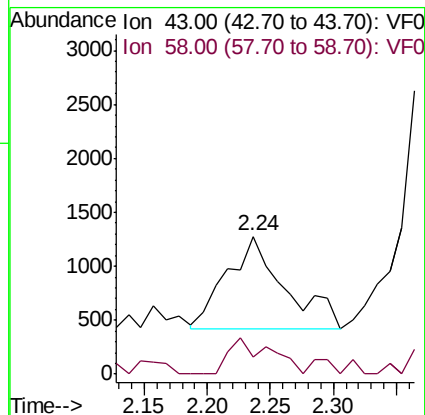
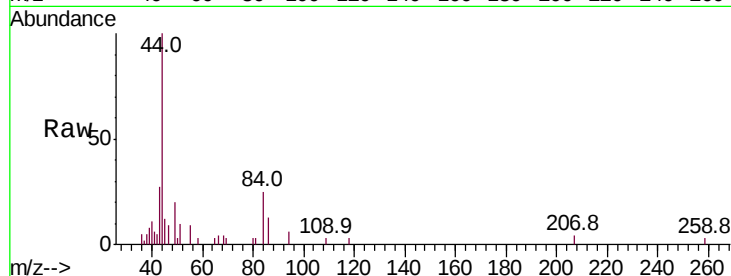
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 2775

Ion Ratio Lower Upper

43 100

58 12.4 22.9 34.3#



#18

Methyl Acetate

Concen: 5.488 ug/l

RT: 2.36 min Scan# 176

Delta R.T. 0.01 min

Lab File: VF061763.D

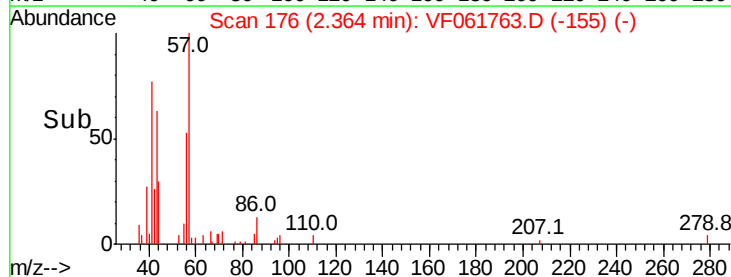
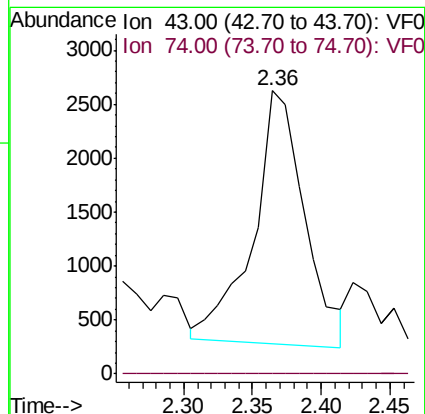
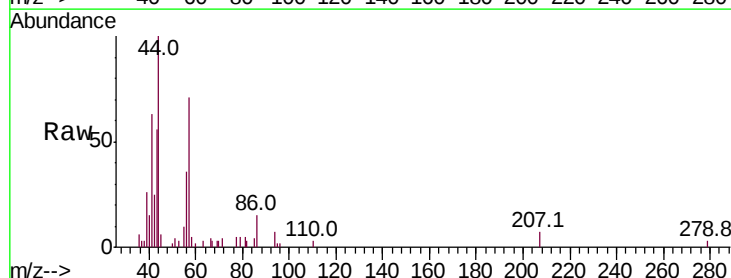
Acq: 27 Feb 2019 13:33

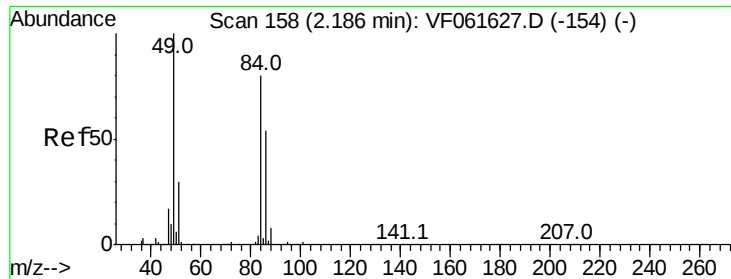
Tgt Ion: 43 Resp: 6074

Ion Ratio Lower Upper

43 100

74 0.0 14.6 21.8#





#20

Methvlene Chloride

Concen: Below Cal

RT: 2.18 min Scan# 157

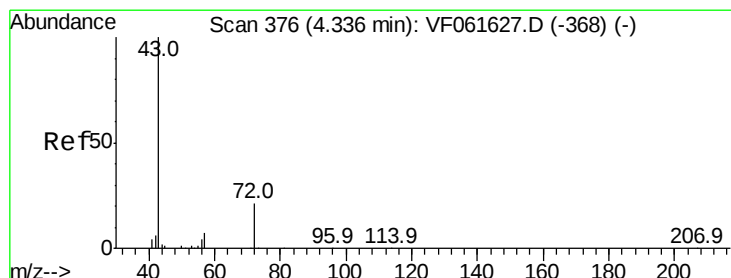
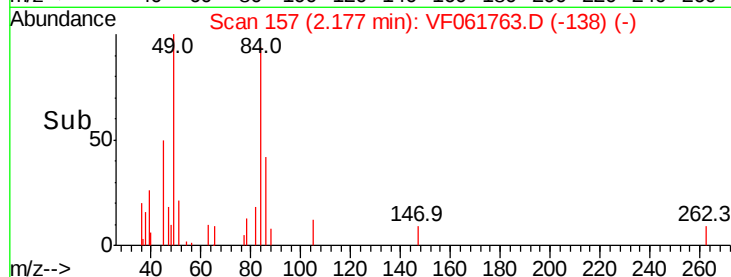
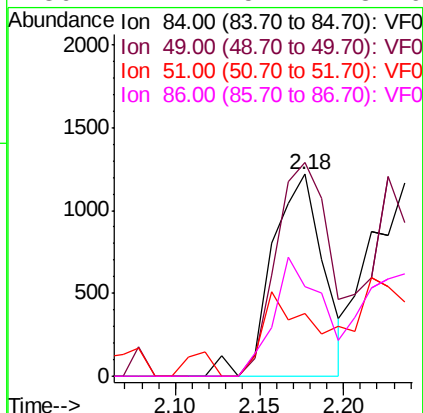
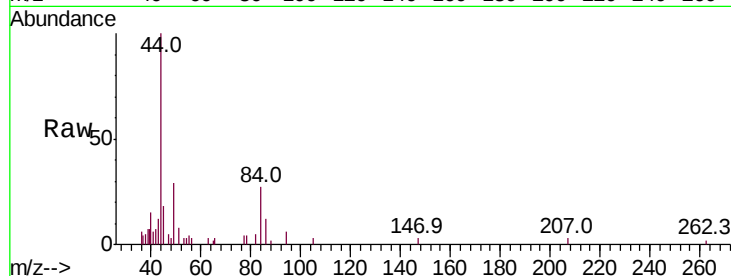
Delta R.T. -0.01 min

Lab File: VF061763.D

Acq: 27 Feb 2019 13:33

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	84	Resp:	2584
Ion	Ratio	Lower	Upper
84	100		
49	105.8	101.8	152.8
51	31.1	31.1	46.7#
86	44.2	54.4	81.6#



#25

2-Butanone

Concen: 2.142 ug/l

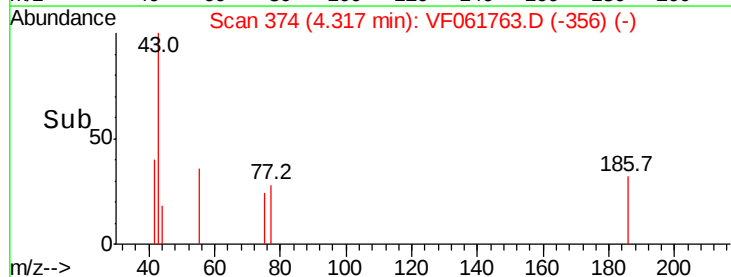
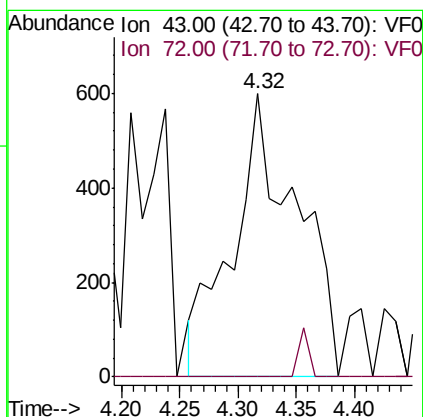
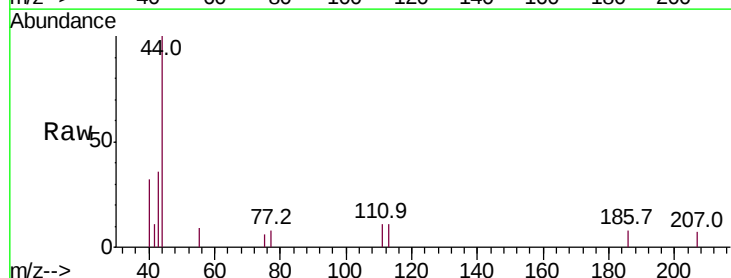
RT: 4.32 min Scan# 374

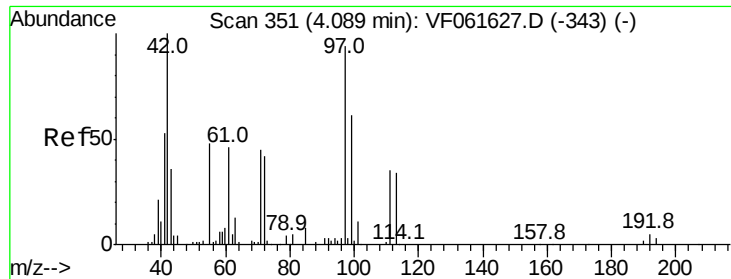
Delta R.T. -0.02 min

Lab File: VF061763.D

Acq: 27 Feb 2019 13:33

Tgt Ion:	43	Resp:	2299
Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.1	25.7#

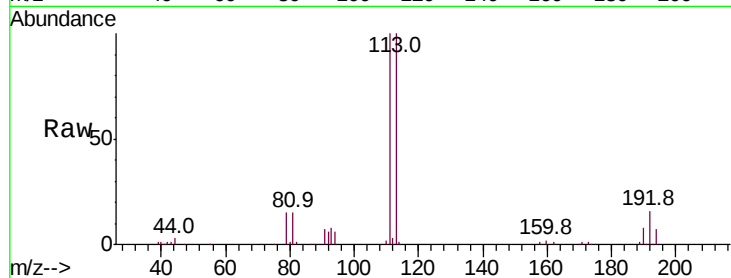




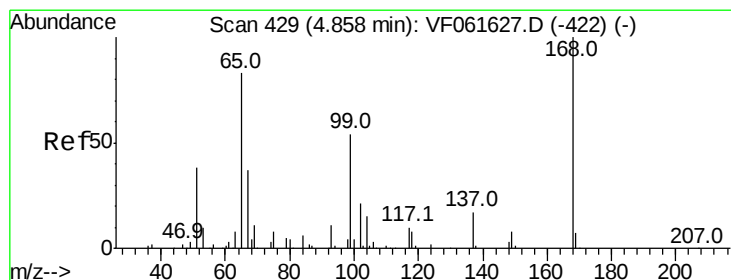
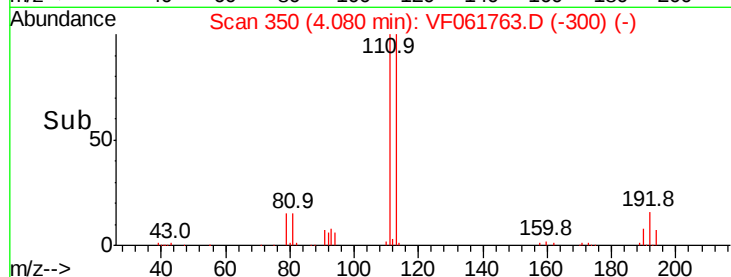
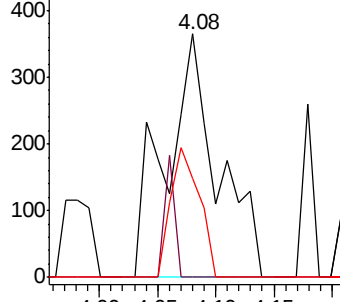
#29
Tetrahydrofuran
Concen: 2.306 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.01 min
Lab File: VF061763.D
Acq: 27 Feb 2019 13:33

Instrument :
MSVOA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
42	100		
72	9.6	35.2	52.8#
71	29.4	32.9	49.3#

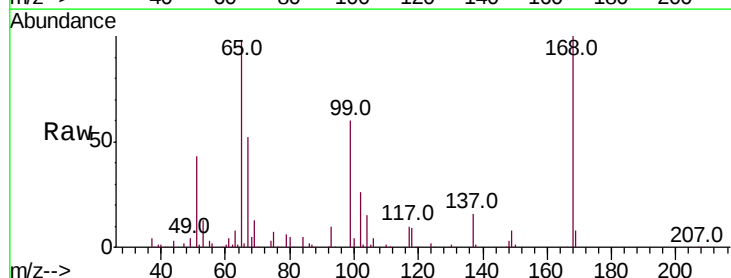


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

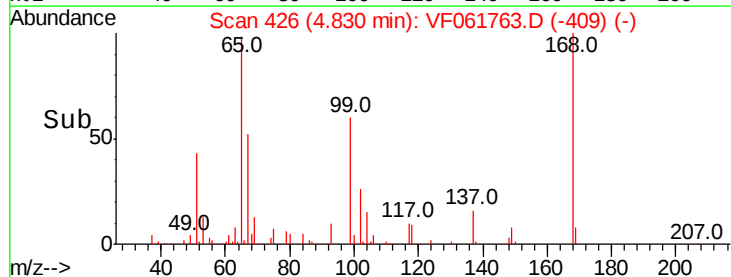
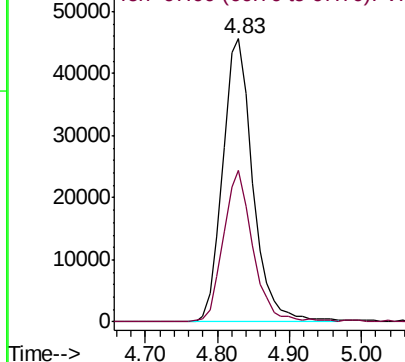


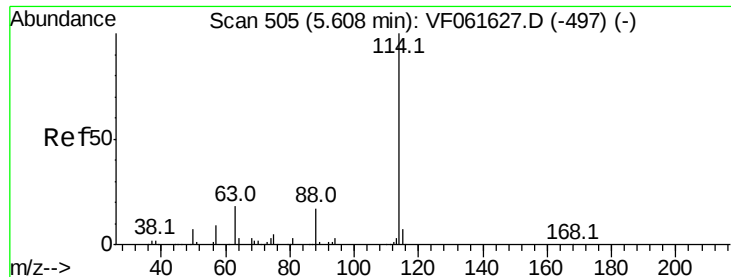
#33
1,2-Dichloroethane-d4
Concen: 57.897 ug/l
RT: 4.83 min Scan# 426
Delta R.T. -0.03 min
Lab File: VF061763.D
Acq: 27 Feb 2019 13:33

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	104.0



Abundance Ion 65.00 (64.70 to 65.70): VF0
Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.03 min

Lab File: VF061763.D

Acq: 27 Feb 2019 13:33

Instrument :
MSVOA_F
ClientSampleId :

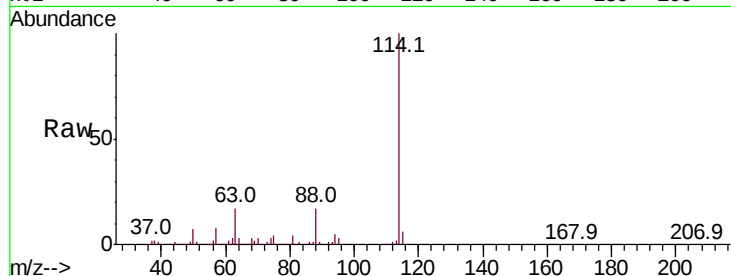
Tot Ion:114 Resp: 464133

Ion Ratio Lower Upper

114 100

63 16.8 0.0 36.6

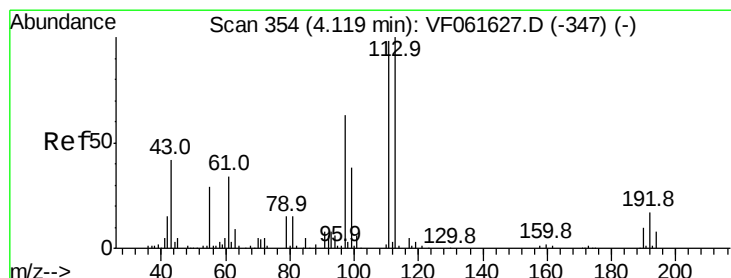
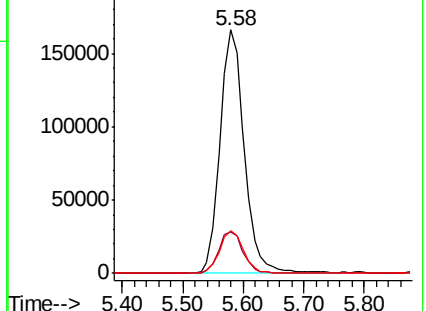
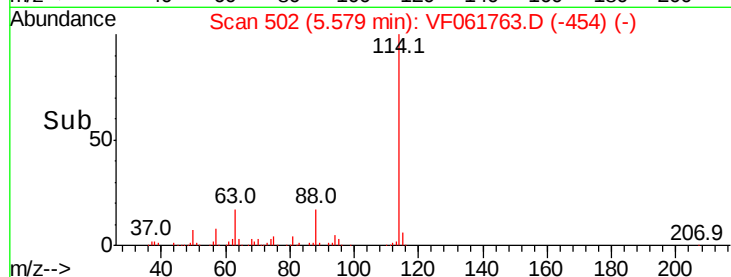
88 17.4 0.0 34.4



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: 59.858 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.03 min

Lab File: VF061763.D

Acq: 27 Feb 2019 13:33

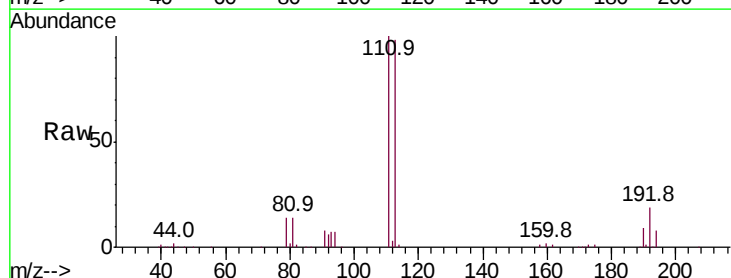
Tgt Ion:113 Resp: 206311

Ion Ratio Lower Upper

113 100

111 102.4 78.8 118.2

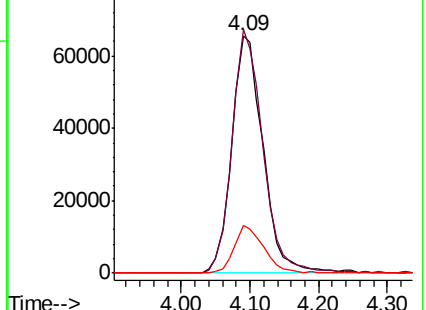
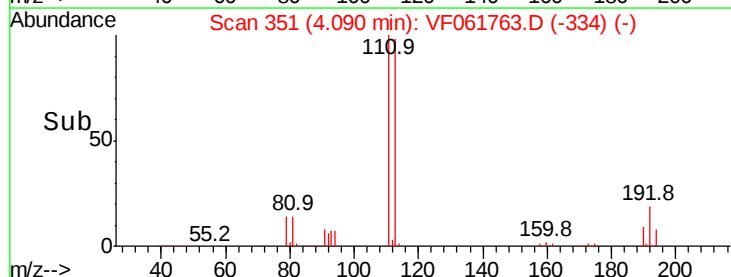
192 19.9 13.4 20.0

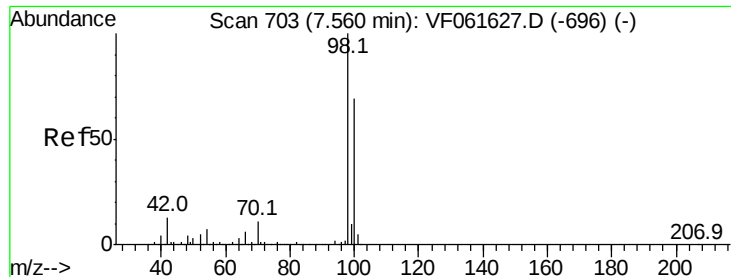


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 55.068 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.03 min

Lab File: VF061763.D

Acq: 27 Feb 2019 13:33

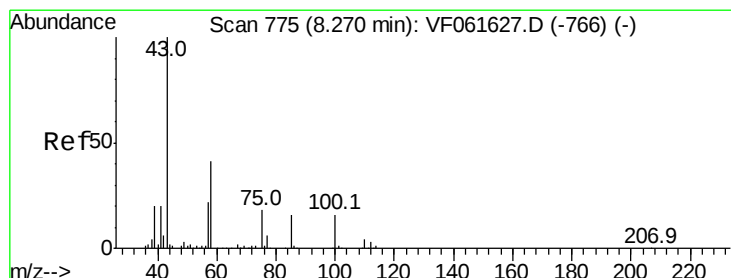
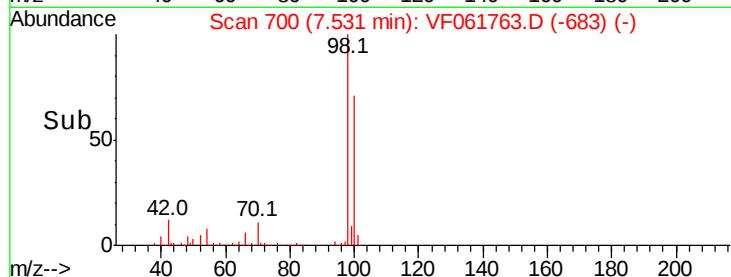
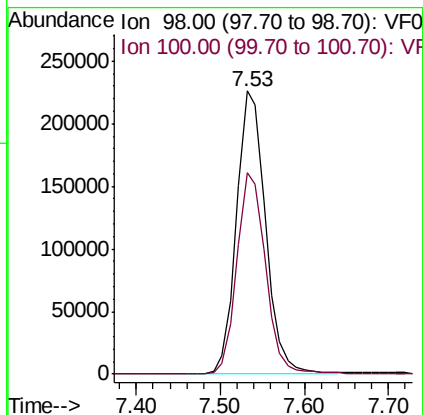
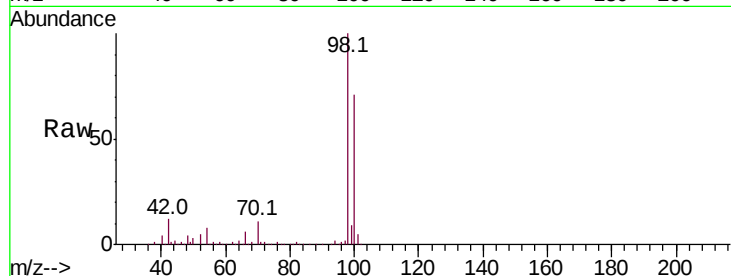
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 98 Resp: 545628

Ion Ratio Lower Upper

98 100

100 71.1 55.4 83.2



#51

4-Methyl-2-Pentanone

Concen: 1.883 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF061763.D

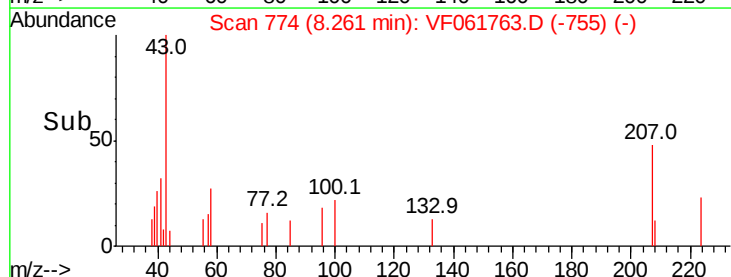
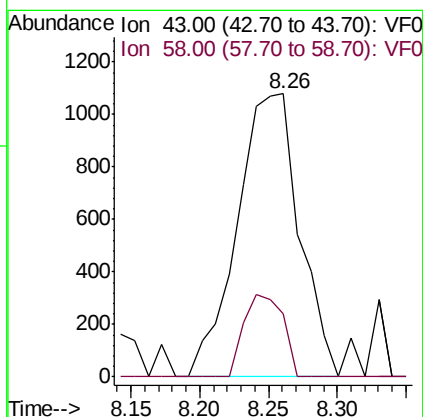
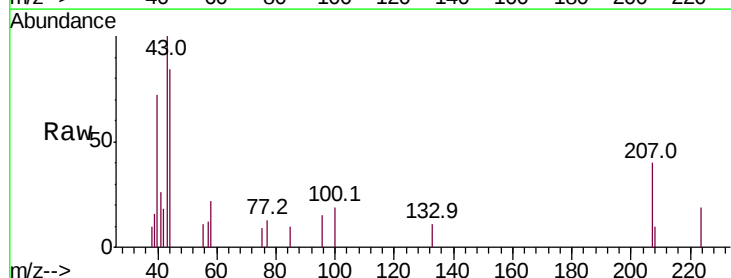
Acq: 27 Feb 2019 13:33

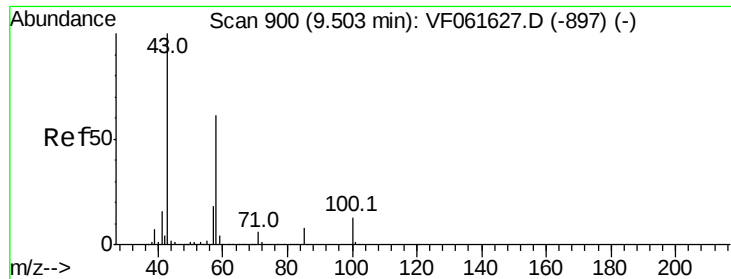
Tgt Ion: 43 Resp: 3402

Ion Ratio Lower Upper

43 100

58 22.4 33.1 49.7#





#59

2-Hexanone

Concen: 3.673 ug/l

RT: 9.48 min Scan# 898

Delta R.T. -0.02 min

Lab File: VF061763.D

Acq: 27 Feb 2019 13:33

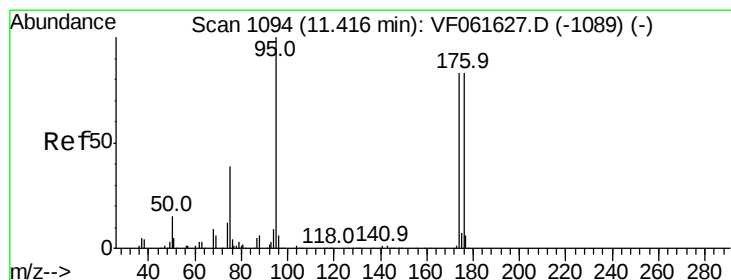
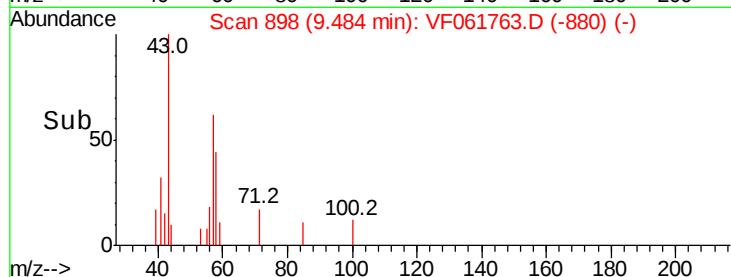
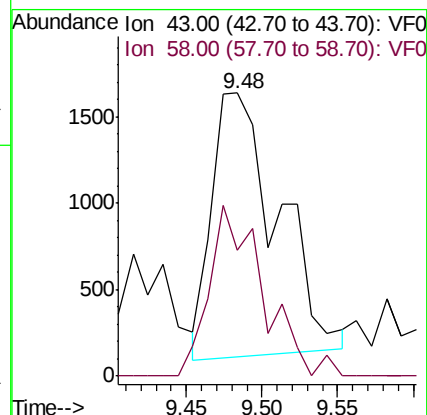
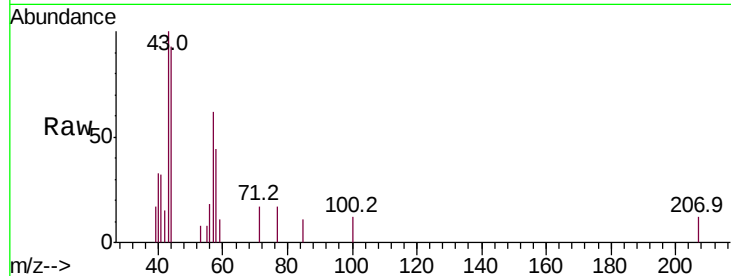
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 4651

Ion Ratio Lower Upper

43 100

58 44.5 28.5 85.5



#62

4-Bromofluorobenzene

Concen: 60.415 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061763.D

Acq: 27 Feb 2019 13:33

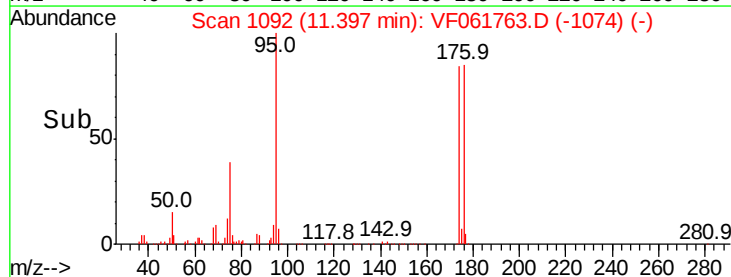
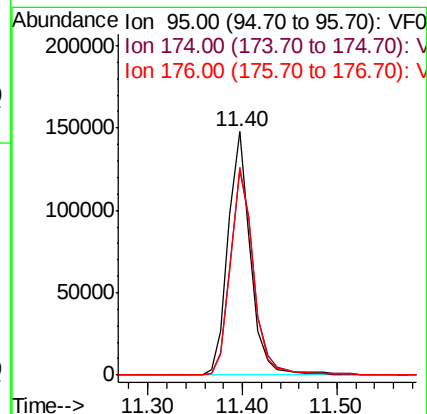
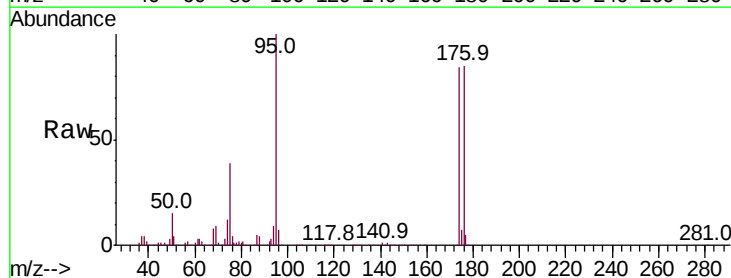
Tgt Ion: 95 Resp: 242207

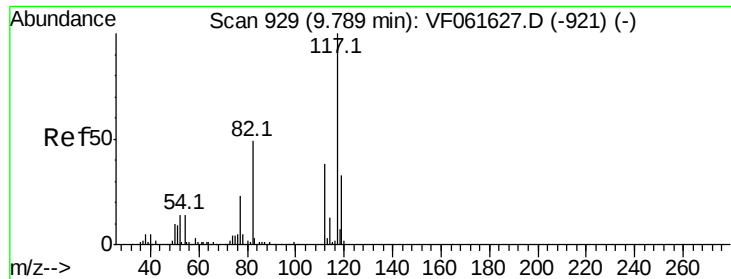
Ion Ratio Lower Upper

95 100

174 84.4 0.0 165.8

176 85.3 0.0 167.0

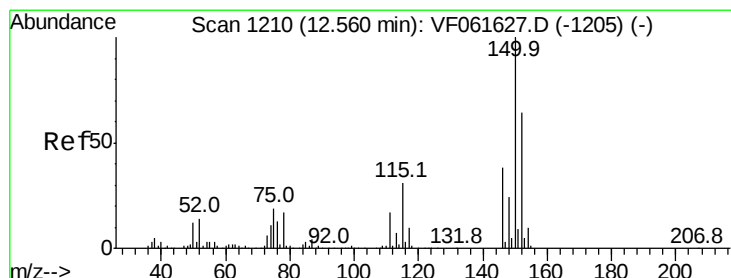
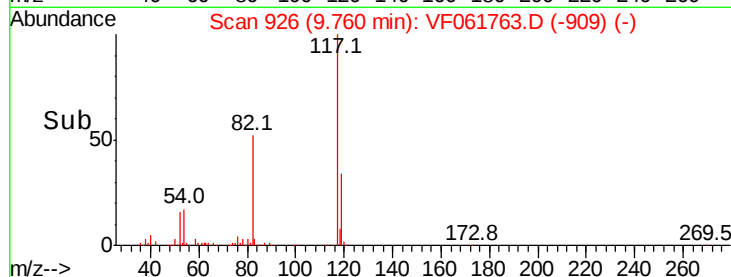
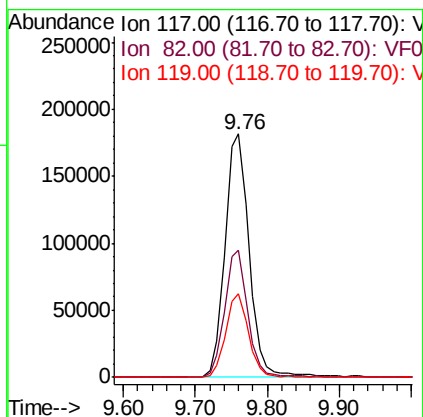
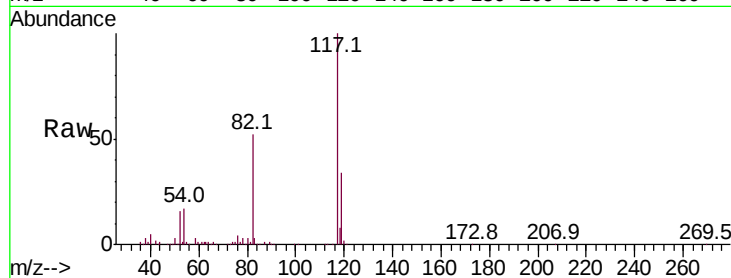




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.03 min
Lab File: VF061763.D
Acq: 27 Feb 2019 13:33

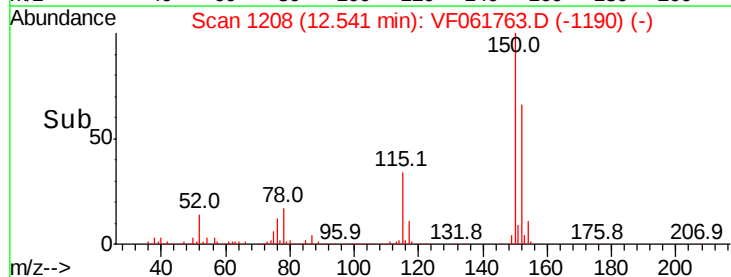
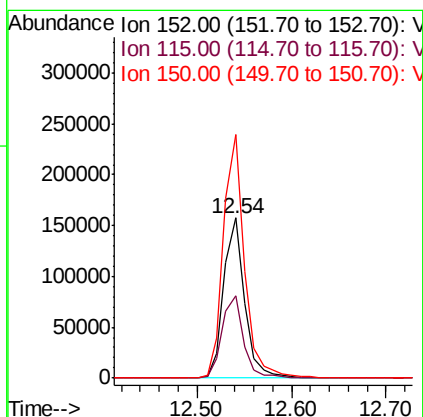
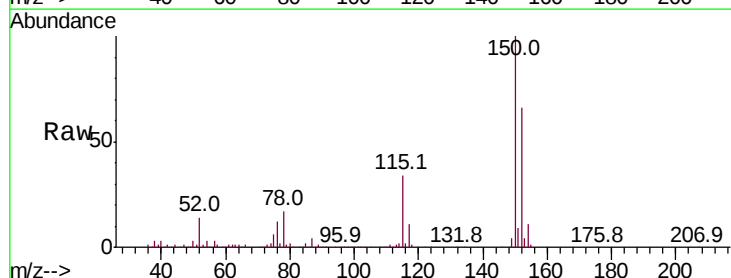
Instrument :
MSVOA_F
ClientSampleId :

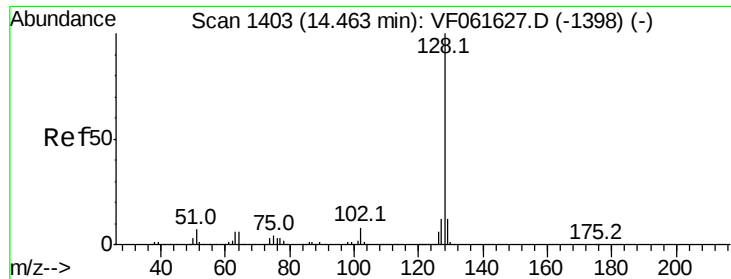
Tot Ion:117 Resp: 421753
Ion Ratio Lower Upper
117 100
82 52.3 39.3 58.9
119 34.3 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.02 min
Lab File: VF061763.D
Acq: 27 Feb 2019 13:33

Tgt Ion:152 Resp: 242229
Ion Ratio Lower Upper
152 100
115 51.2 24.3 72.8
150 152.1 0.0 312.0





#95
 Naphthalene
 Concen: 1.250 ug/l
 RT: 14.44 min Scan# 1401
 Delta R.T. -0.02 min
 Lab File: VF061763.D
 Acq: 27 Feb 2019 13:33

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:128 Resp: 12381
 Ion Ratio Lower Upper
 128 100
 127 11.3 9.8 14.6
 129 11.4 9.4 14.2

