

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012519\
 Data File : VF061515.D
 Acq On : 25 Jan 2019 12:06
 Operator : VA/AP
 Sample : VF01251SBL01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jan 28 00:06:59 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	4.87	168	199854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	361411	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	326779	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	168178	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	114566	46.43	ug/l	0.00
Spiked Amount			Recovery	=	92.86%	
35) Dibromofluoromethane	4.11	113	135123	47.38	ug/l	0.00
Spiked Amount			Recovery	=	94.76%	
50) Toluene-d8	7.55	98	359093	45.96	ug/l	0.00
Spiked Amount			Recovery	=	91.92%	
62) 4-Bromofluorobenzene	11.41	95	170936	46.82	ug/l	0.00
Spiked Amount			Recovery	=	93.64%	

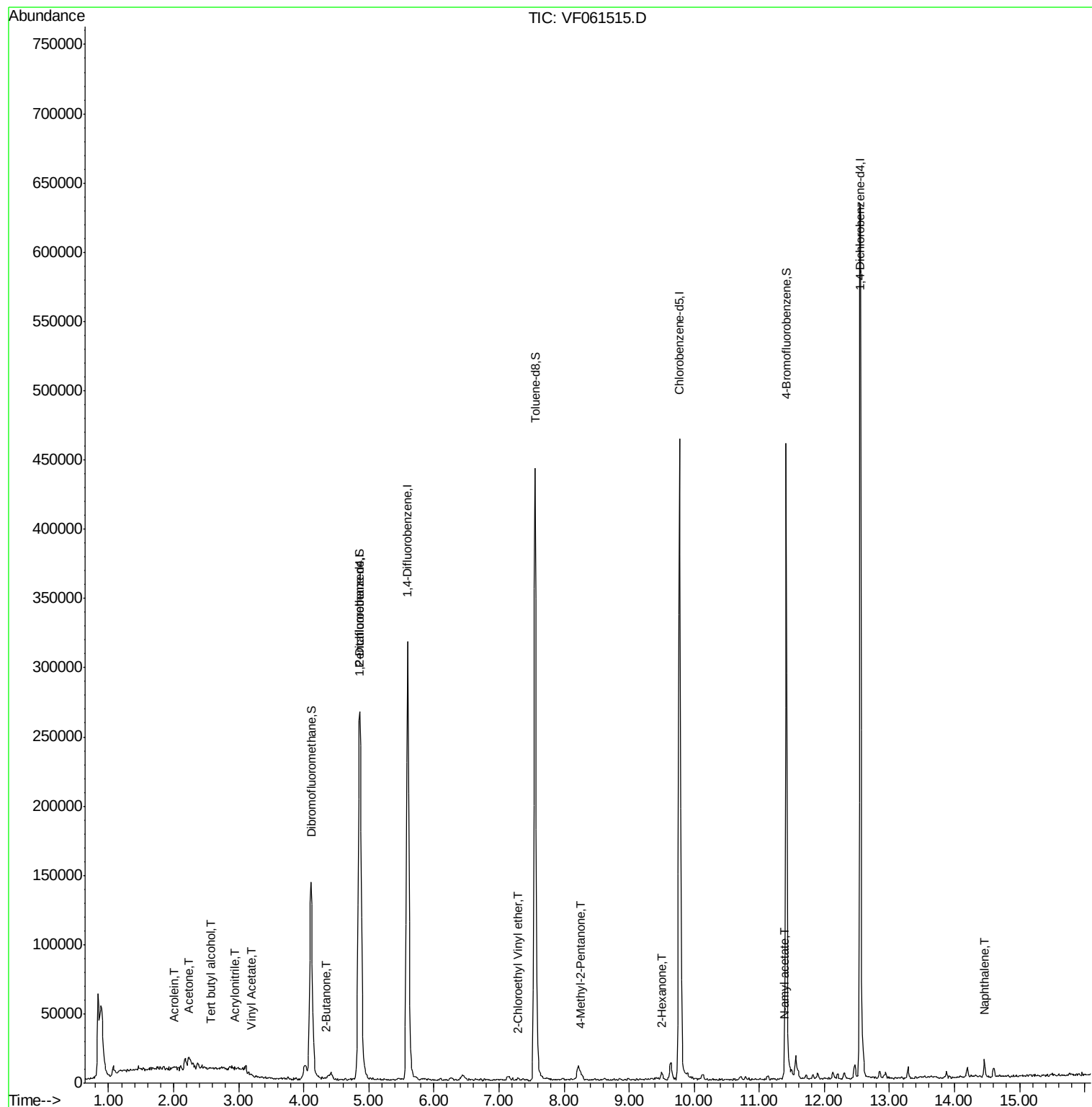
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.56	59	208	1.992	ug/l #	64
13) Acrolein	2.00	56	619	16.933	ug/l #	36
14) Allyl chloride	2.10	41	553	Below Cal	#	57
15) Acrylonitrile	2.94	53	927	3.465	ug/l #	57
16) Acetone	2.24	43	4121	8.325	ug/l	96
20) Methylene Chloride	2.18	84	2839	Below Cal	#	85
23) Vinyl Acetate	3.19	43	1864	3.855	ug/l #	78
25) 2-Butanone	4.34	43	2669	3.242	ug/l	92
51) 4-Methyl-2-Pentanone	8.26	43	3215	2.080	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.31	63	619	30.107	ug/l #	54
59) 2-Hexanone	9.50	43	4948	4.591	ug/l	96
74) N-amyl acetate	11.37	43	3960	1.224	ug/l	94
95) Naphthalene	14.46	128	8151	1.133	ug/l	99

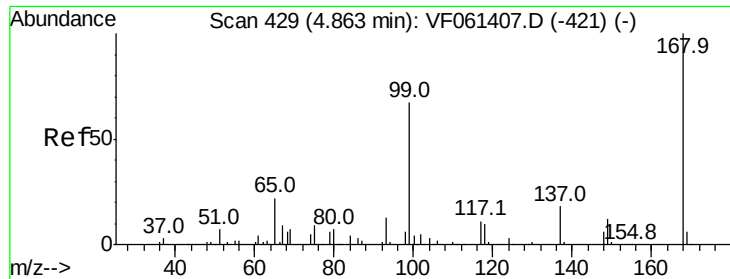
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF012519\
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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: 4.87 min Scan# 430

Delta R.T. 0.01 min

Lab File: VF061515.D

Acq: 25 Jan 2019 12:06

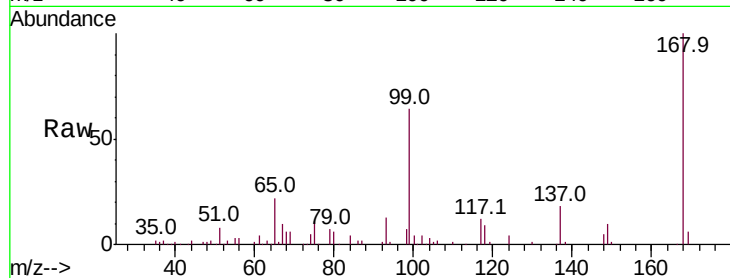
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 199854

Ion Ratio Lower Upper

168 100

99 64.0 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

60000

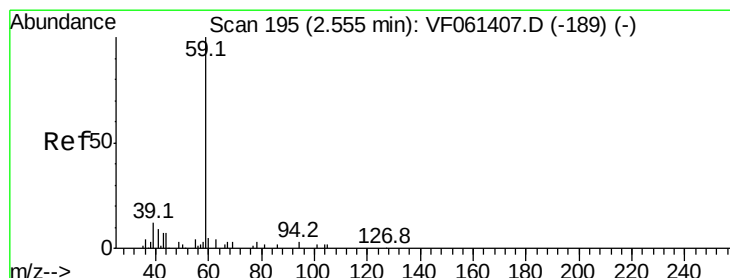
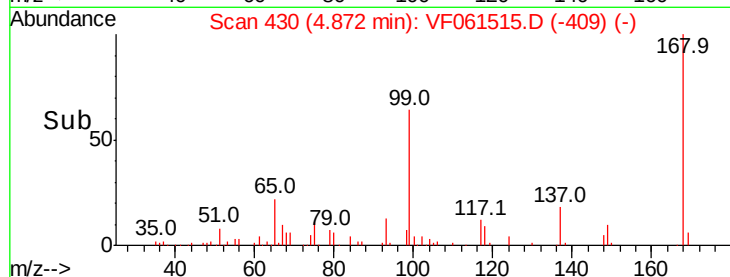
40000

20000

0

Time-->

4.70 4.80 4.90 5.00



#11

Tert butyl alcohol

Concen: 1.992 ug/l

RT: 2.56 min Scan# 196

Delta R.T. 0.01 min

Lab File: VF061515.D

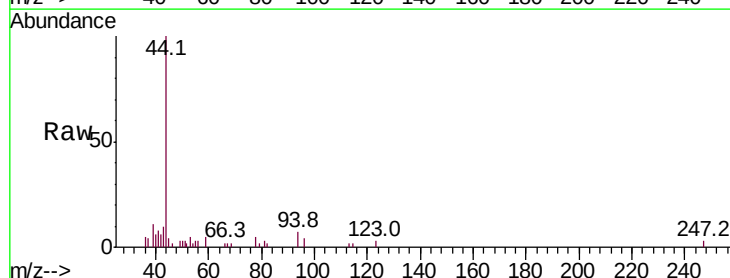
Acq: 25 Jan 2019 12:06

Tgt Ion: 59 Resp: 208

Ion Ratio Lower Upper

59 100

57 0.0 11.9 17.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.56

300

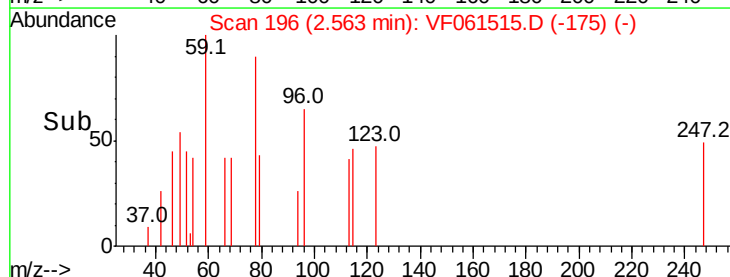
200

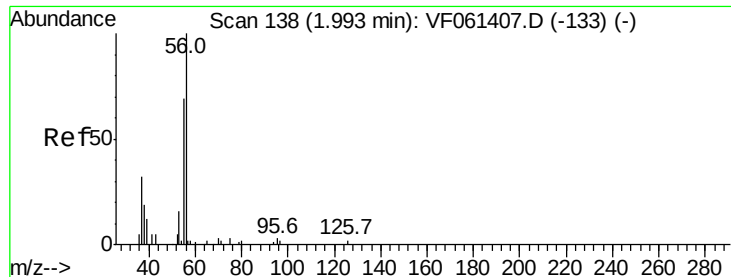
100

0

Time-->

2.55 2.60





#13

Acrolein

Concen: 16.933 ug/l

RT: 2.00 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF061515.D

Acq: 25 Jan 2019 12:06

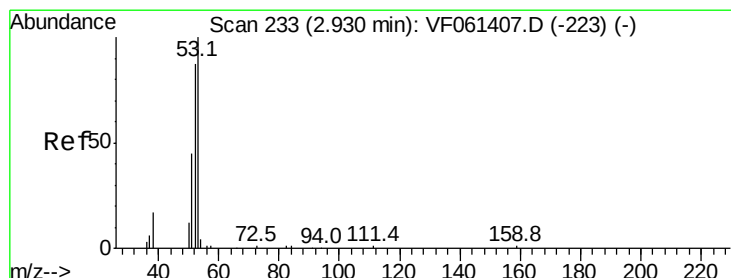
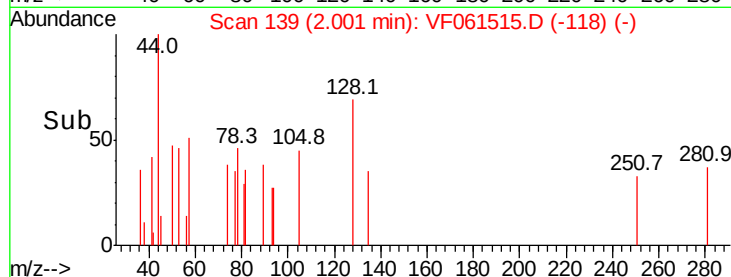
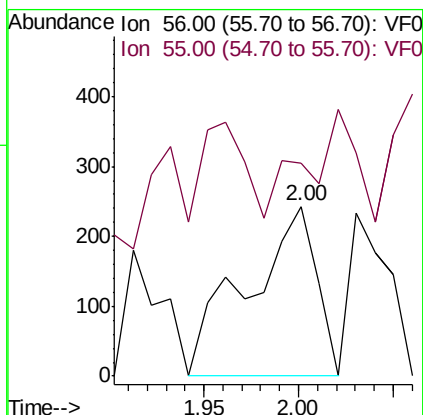
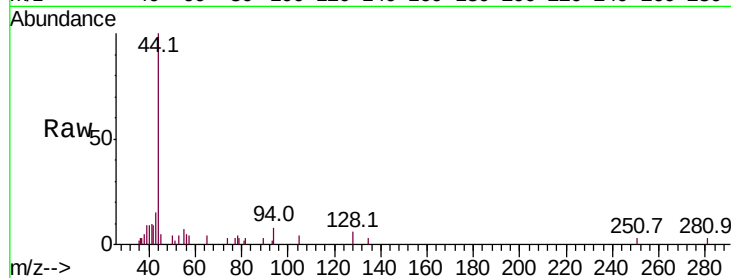
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 619

Ion Ratio Lower Upper

56 100

55 125.1 57.5 86.3#



#15

Acrylonitrile

Concen: 3.465 ug/l

RT: 2.94 min Scan# 234

Delta R.T. 0.01 min

Lab File: VF061515.D

Acq: 25 Jan 2019 12:06

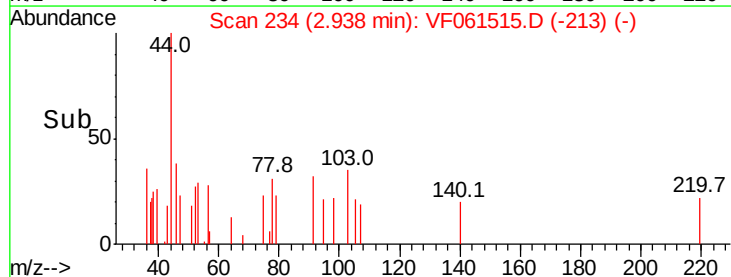
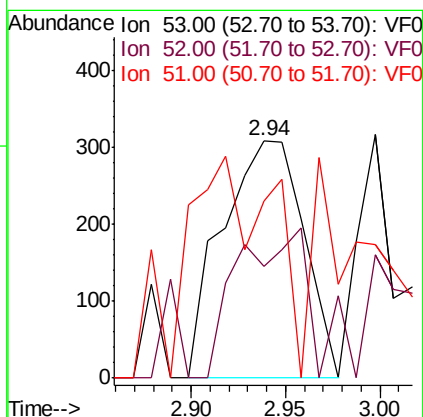
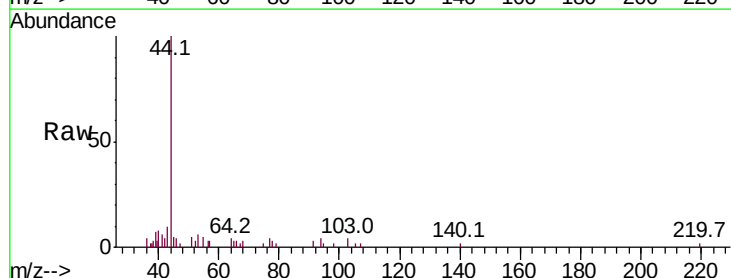
Tgt Ion: 53 Resp: 927

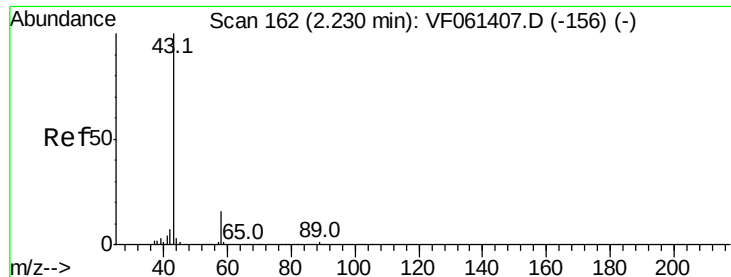
Ion Ratio Lower Upper

53 100

52 46.9 69.6 104.4#

51 74.4 36.8 55.2#





#16

Acetone

Concen: 8.325 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.01 min

Lab File: VF061515.D

Acq: 25 Jan 2019 12:06

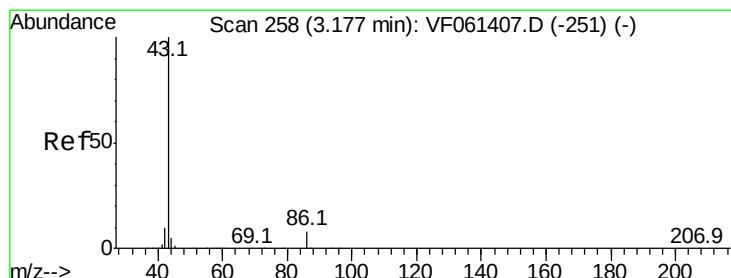
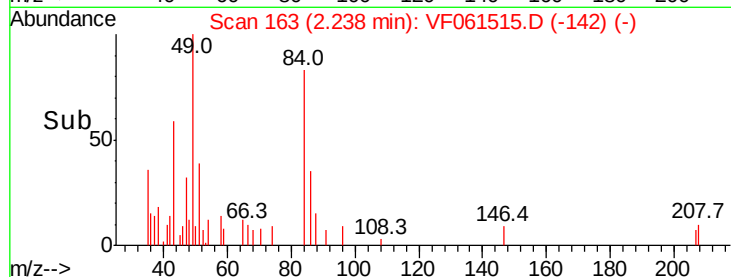
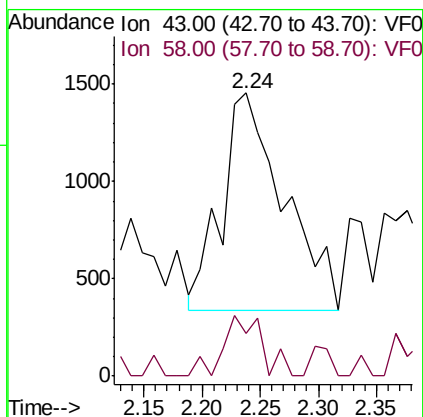
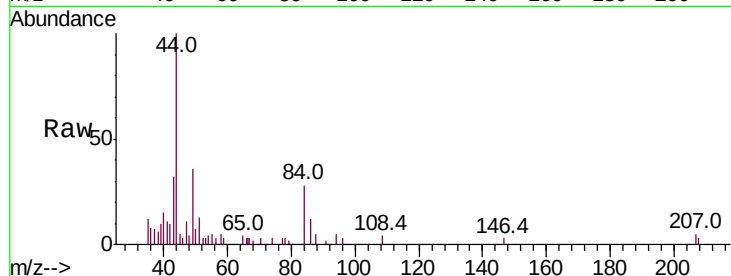
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 4121

Ion Ratio Lower Upper

43 100

58 15.1 13.3 19.9



#23

Vinyl Acetate

Concen: 3.855 ug/l

RT: 3.19 min Scan# 260

Delta R.T. 0.02 min

Lab File: VF061515.D

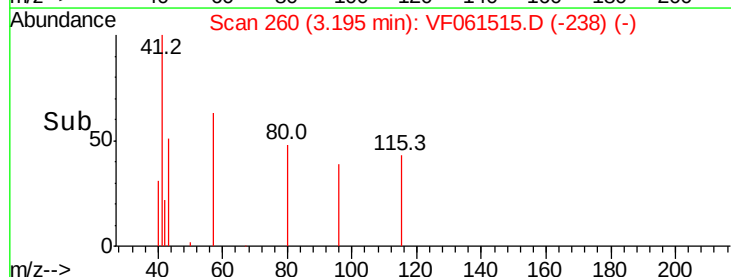
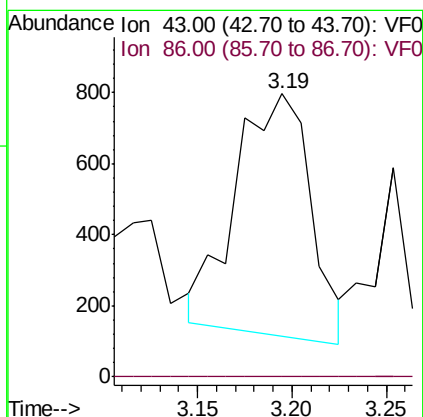
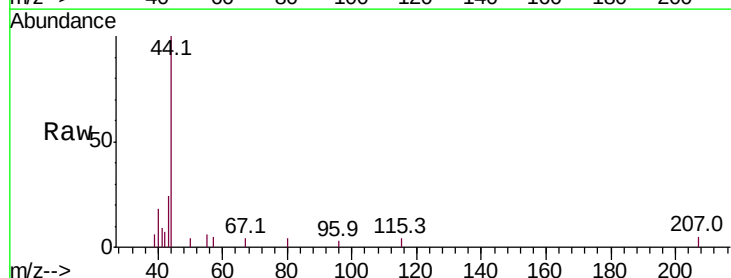
Acq: 25 Jan 2019 12:06

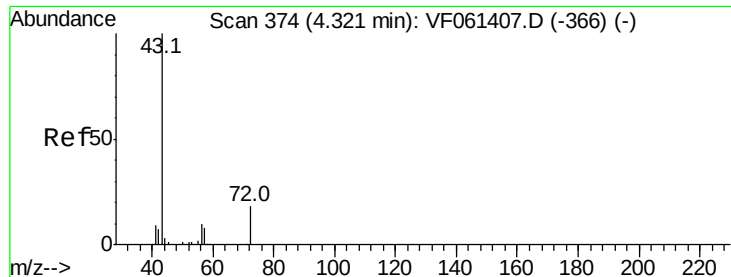
Tgt Ion: 43 Resp: 1864

Ion Ratio Lower Upper

43 100

86 0.0 6.2 9.4#





#25

2-Butanone

Concen: 3.242 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.02 min

Lab File: VF061515.D

Acq: 25 Jan 2019 12:06

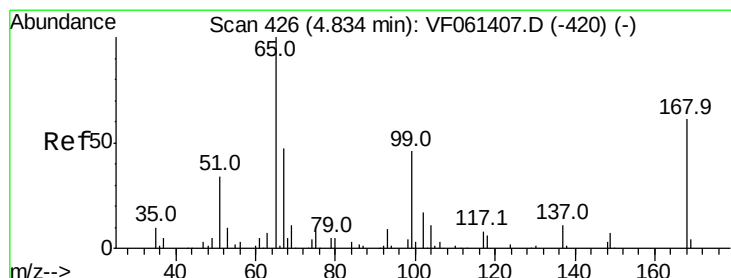
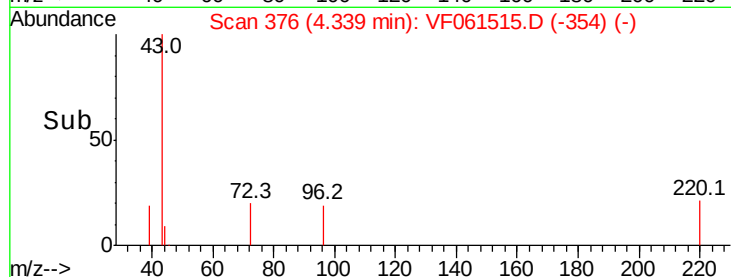
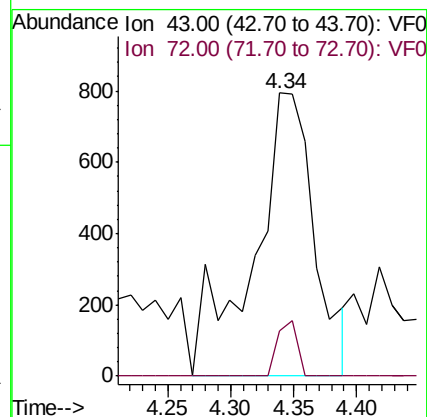
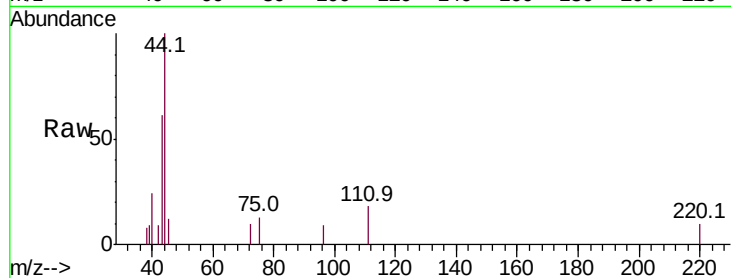
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 2669

Ion Ratio Lower Upper

43 100

72 15.9 15.8 23.6



#33

1,2-Dichloroethane-d4

Concen: 46.431 ug/l

RT: 4.84 min Scan# 427

Delta R.T. 0.01 min

Lab File: VF061515.D

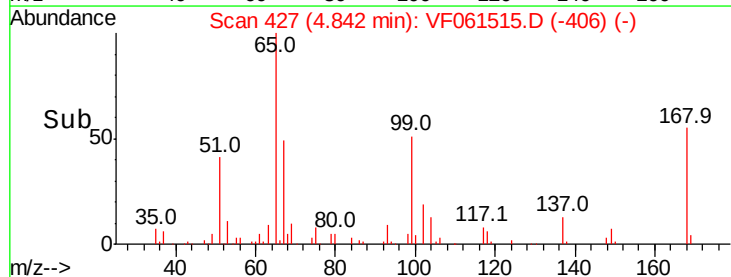
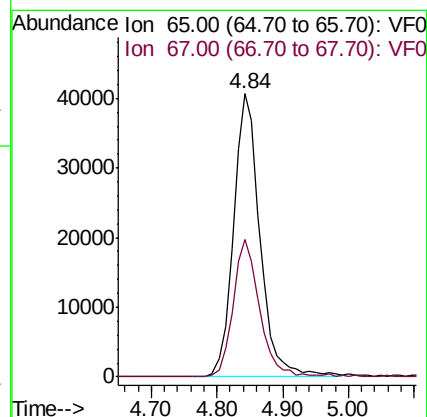
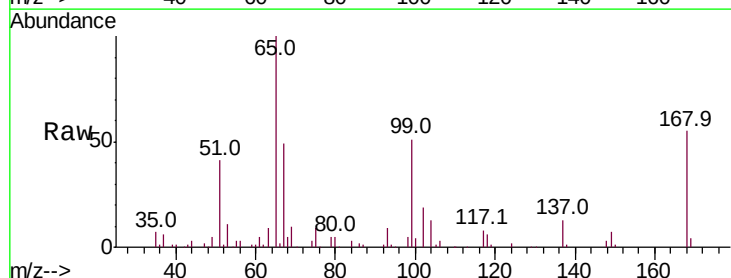
Acq: 25 Jan 2019 12:06

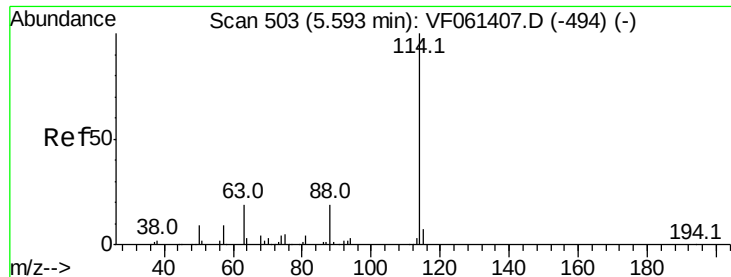
Tgt Ion: 65 Resp: 114566

Ion Ratio Lower Upper

65 100

67 48.5 0.0 99.8

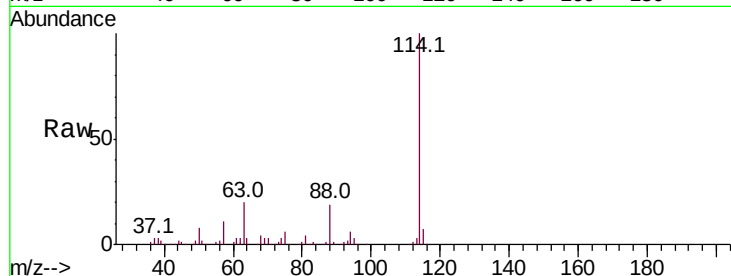




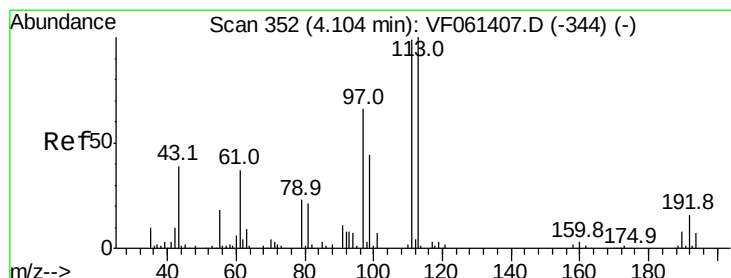
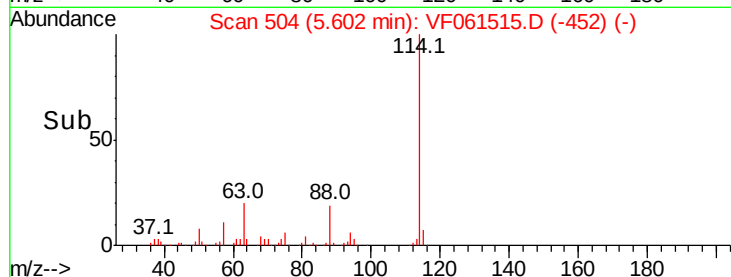
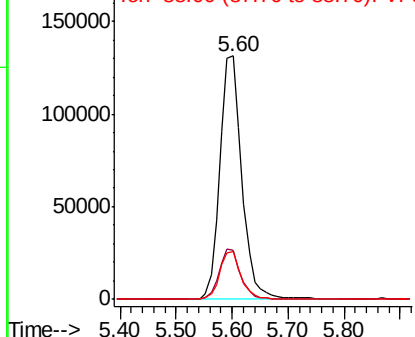
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.60 min Scan# 504
Delta R.T. 0.01 min
Lab File: VF061515.D
Acq: 25 Jan 2019 12:06

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:114 Resp: 361411
Ion Ratio Lower Upper
114 100
63 20.1 0.0 39.0
88 19.5 0.0 37.4

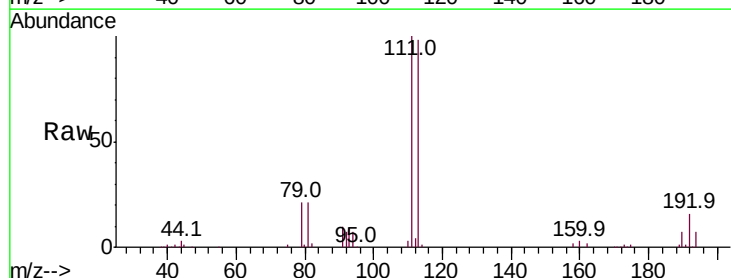


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 63.00 (62.70 to 63.70): VF0
Ion 88.00 (87.70 to 88.70): VF0

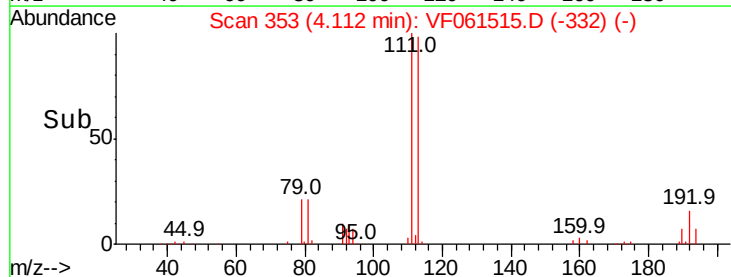
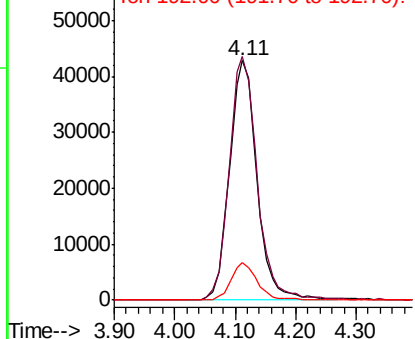


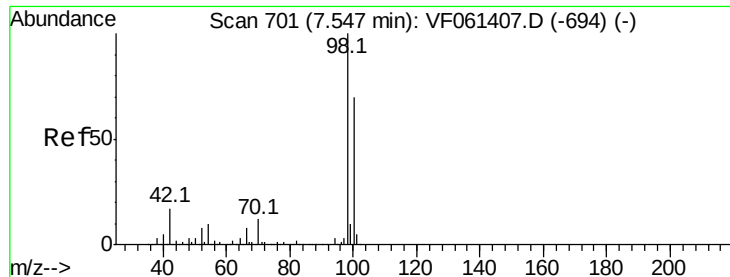
#35
Dibromofluoromethane
Concen: 47.381 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.01 min
Lab File: VF061515.D
Acq: 25 Jan 2019 12:06

Tgt Ion:113 Resp: 135123
Ion Ratio Lower Upper
113 100
111 101.7 79.4 119.0
192 15.9 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

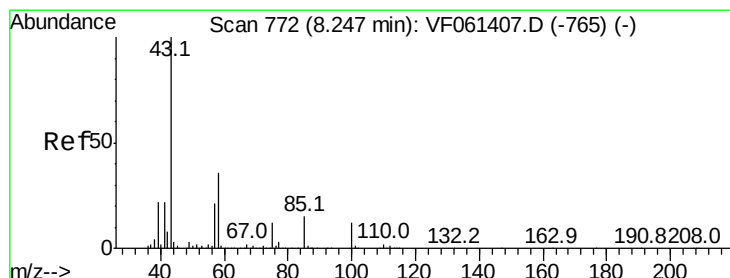
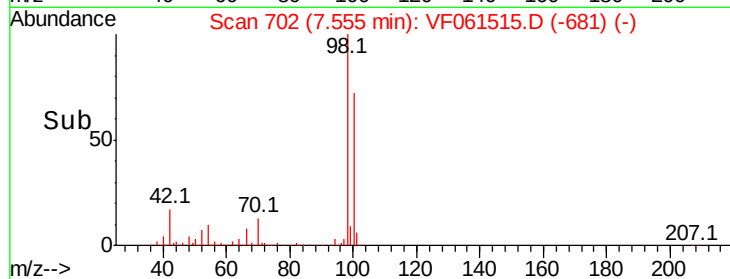
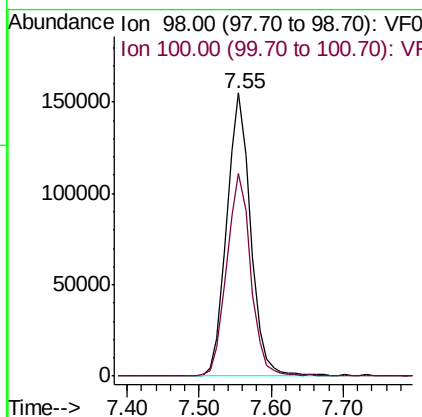
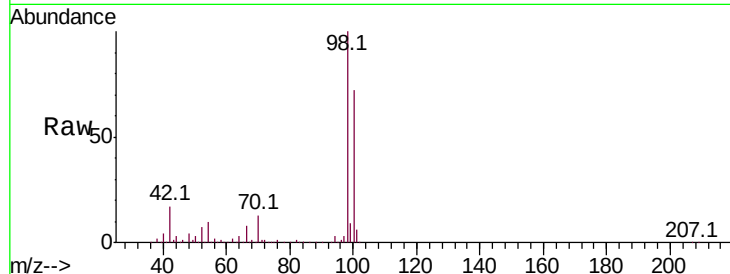




#50
Toluene-d8
Concen: 45.958 ug/l
RT: 7.55 min Scan# 702
Delta R.T. 0.01 min
Lab File: VF061515.D
Acq: 25 Jan 2019 12:06

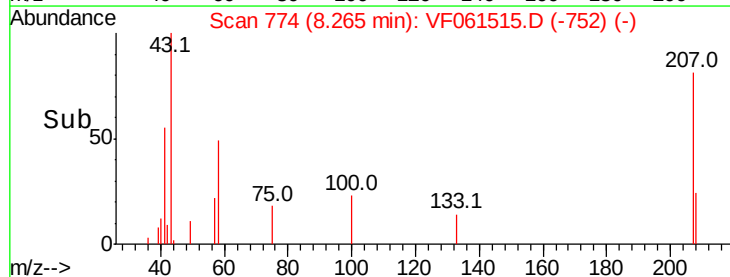
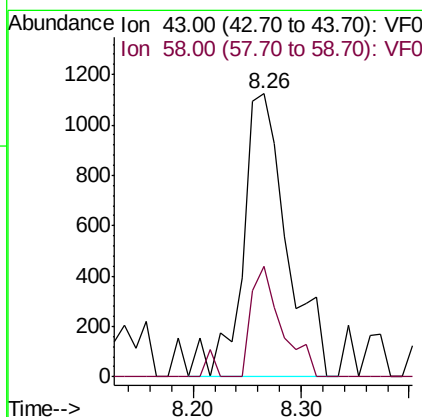
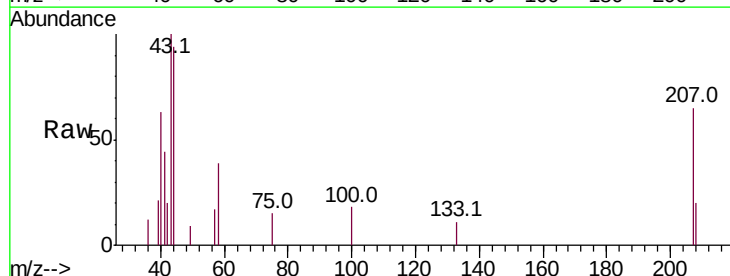
Instrument :
MSVOA_F
ClientSampleId :

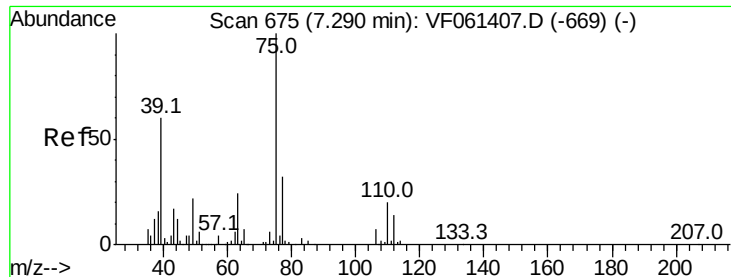
Tot Ion: 98 Resp: 359093
Ion Ratio Lower Upper
98 100
100 71.8 55.6 83.4



#51
4-Methyl-2-Pentanone
Concen: 2.080 ug/l
RT: 8.26 min Scan# 774
Delta R.T. 0.02 min
Lab File: VF061515.D
Acq: 25 Jan 2019 12:06

Tgt Ion: 43 Resp: 3215
Ion Ratio Lower Upper
43 100
58 38.9 28.8 43.2





#58

2-Chloroethyl Vinyl ether

Concen: 30.107 ug/l

RT: 7.31 min Scan# 677

Delta R.T. 0.02 min

Lab File: VF061515.D

Acq: 25 Jan 2019 12:06

Instrument :

MSVOA_F

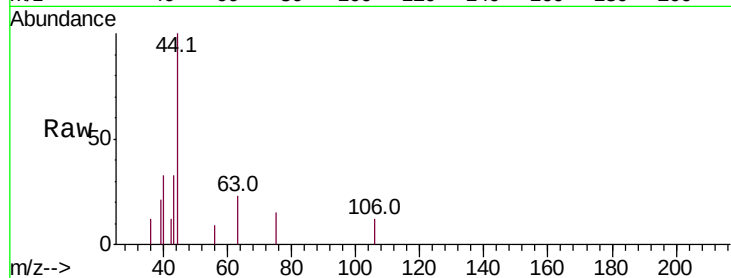
ClientSampleId :

Tot Ion: 63 Resp: 619

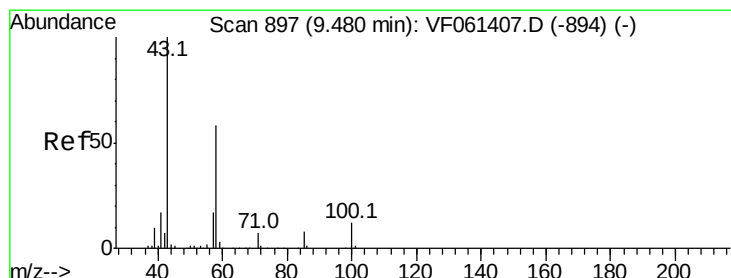
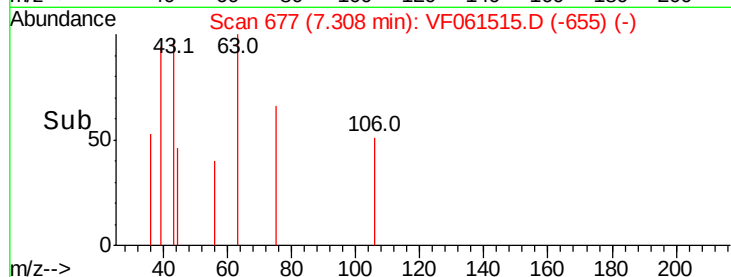
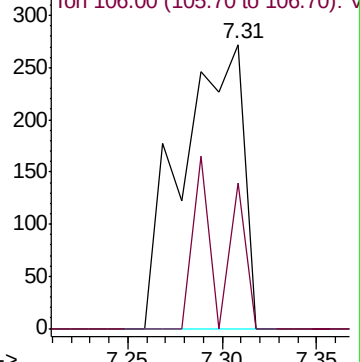
Ion Ratio Lower Upper

63 100

106 51.5 21.9 32.9#



Abundance Ion 63.00 (62.70 to 63.70): VF0



#59

2-Hexanone

Concen: 4.591 ug/l

RT: 9.50 min Scan# 899

Delta R.T. 0.02 min

Lab File: VF061515.D

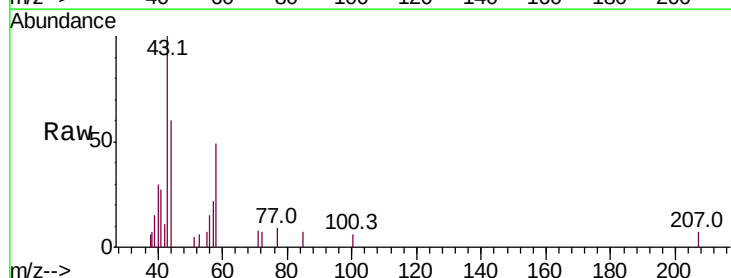
Acq: 25 Jan 2019 12:06

Tgt Ion: 43 Resp: 4948

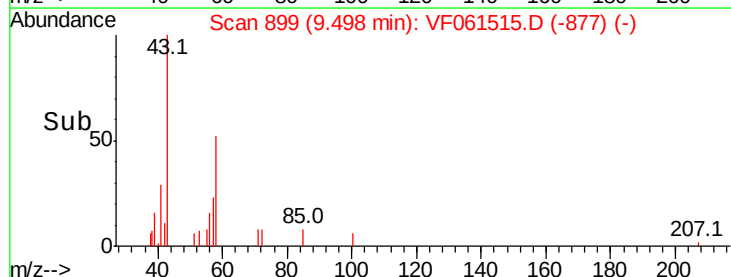
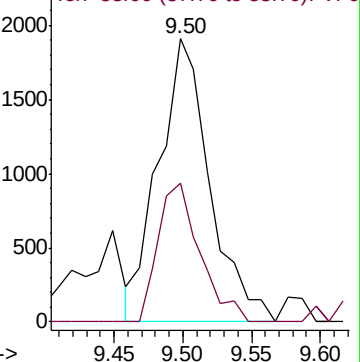
Ion Ratio Lower Upper

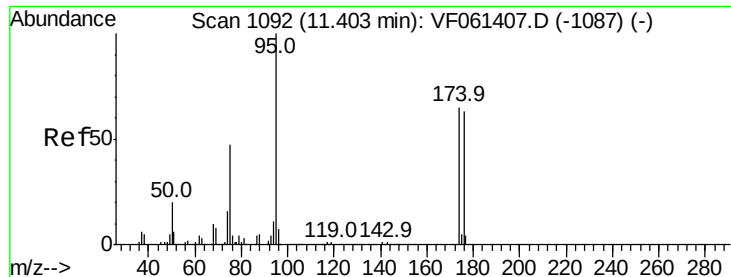
43 100

58 48.9 25.9 77.6



Abundance Ion 43.00 (42.70 to 43.70): VF0





#62

4-Bromofluorobenzene

Concen: 46.823 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VF061515.D

Acq: 25 Jan 2019 12:06

Instrument :

MSVOA_F

ClientSampleId :

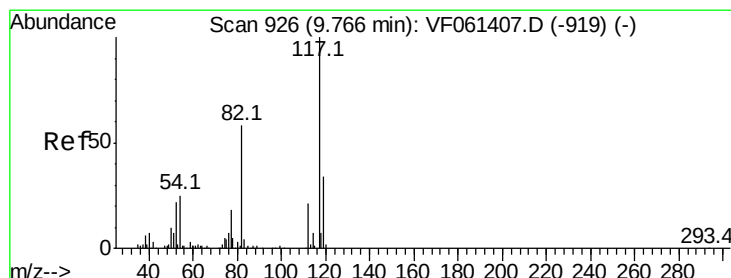
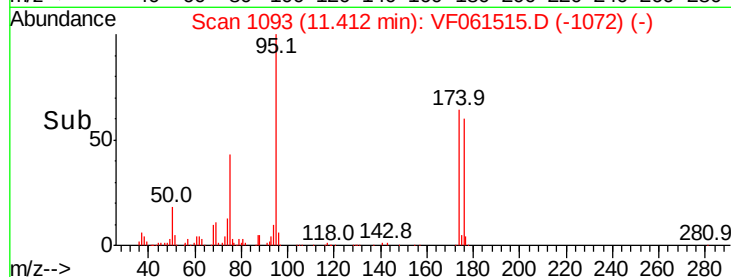
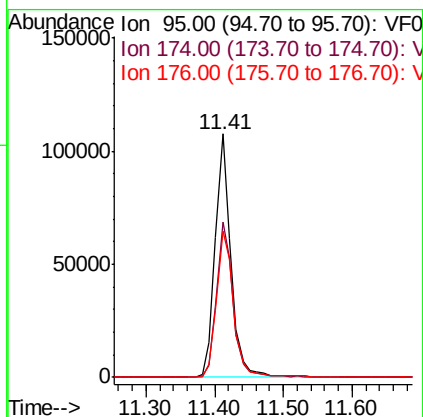
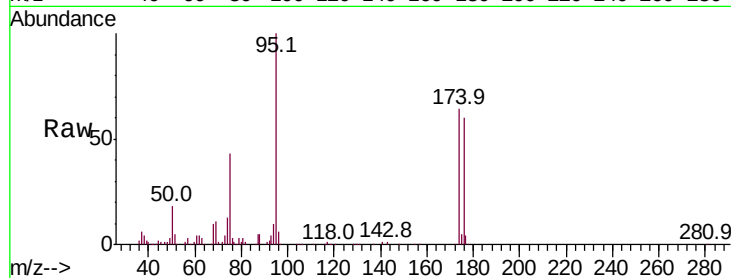
Tot Ion: 95 Resp: 170936

Ion Ratio Lower Upper

95 100

174 63.5 0.0 130.4

176 60.1 0.0 126.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 927

Delta R.T. 0.01 min

Lab File: VF061515.D

Acq: 25 Jan 2019 12:06

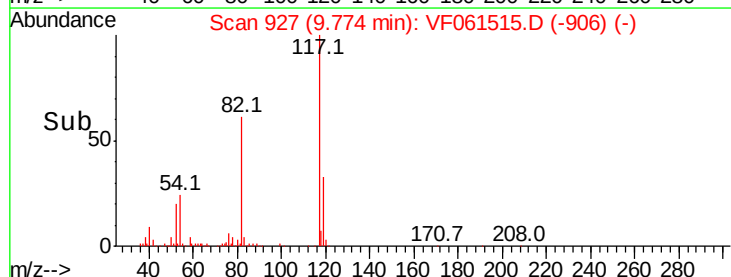
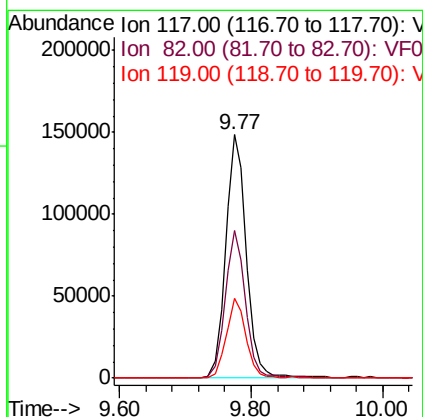
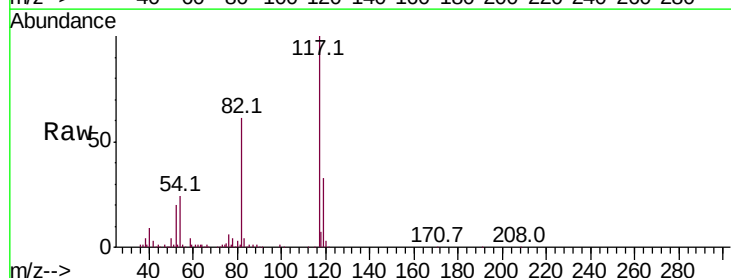
Tgt Ion: 117 Resp: 326779

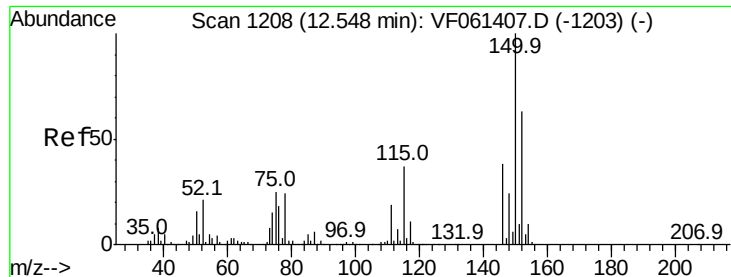
Ion Ratio Lower Upper

117 100

82 60.6 46.4 69.6

119 33.0 27.2 40.8

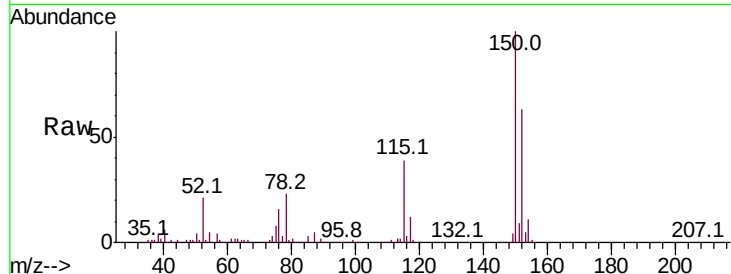




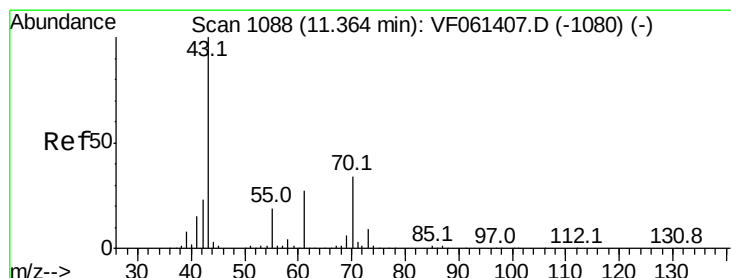
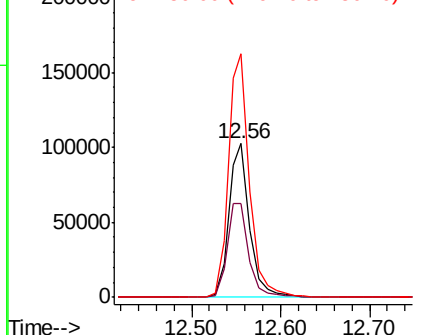
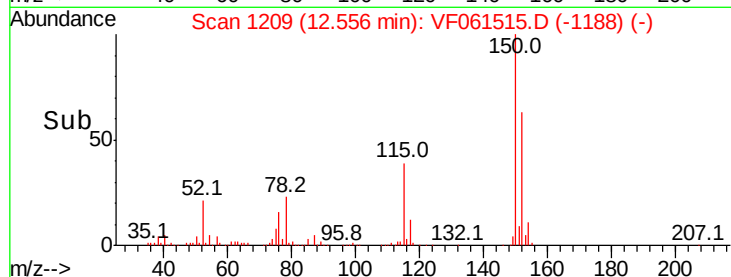
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.56 min Scan# 1209
 Delta R.T. 0.01 min
 Lab File: VF061515.D
 Acq: 25 Jan 2019 12:06

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:152 Resp: 168178
 Ion Ratio Lower Upper
 152 100
 115 61.5 30.0 90.0
 150 158.6 0.0 321.4

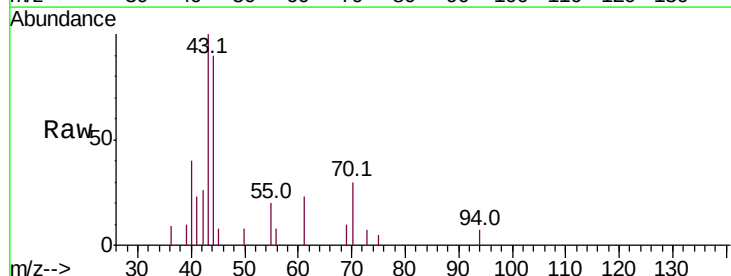


Abundance Ion 152.00 (151.70 to 152.70): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 150.00 (149.70 to 150.70): V

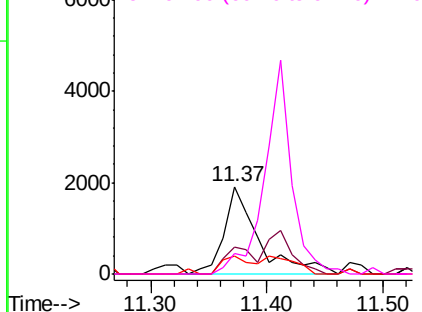
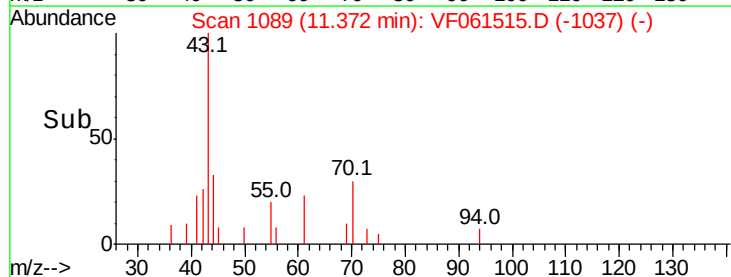


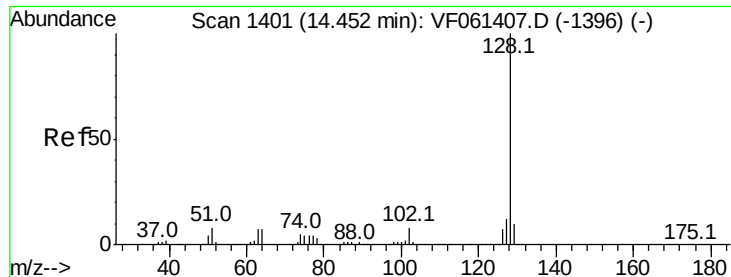
#74
 N-ethyl acetate
 Concen: 1.224 ug/l
 RT: 11.37 min Scan# 1089
 Delta R.T. 0.01 min
 Lab File: VF061515.D
 Acq: 25 Jan 2019 12:06

Tgt Ion: 43 Resp: 3960
 Ion Ratio Lower Upper
 43 100
 70 30.1 27.6 41.4
 55 20.1 15.4 23.2
 61 23.1 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 70.00 (69.70 to 70.70): VF0
 Ion 55.00 (54.70 to 55.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0





#95
 Naphthalene
 Concen: 1.133 ug/l
 RT: 14.46 min Scan# 1402
 Delta R.T. 0.01 min
 Lab File: VF061515.D
 Acq: 25 Jan 2019 12:06

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:128 Resp: 8151
 Ion Ratio Lower Upper
 128 100
 127 11.4 9.5 14.3
 129 10.5 8.4 12.6

