

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031319\
 Data File : VF061932.D
 Acq On : 13 Mar 2019 17:24
 Operator : VA/AP
 Sample : K1873-01
 Misc : 4.55g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 371

Quant Time: Mar 14 01:17:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	299213	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	457536	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	378998	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	203059	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	120181	55.15	ug/l	-0.02
Spiked Amount			Recovery	=	110.30%	
35) Dibromofluoromethane	4.10	113	179347	56.17	ug/l	-0.02
Spiked Amount			Recovery	=	112.34%	
50) Toluene-d8	7.54	98	461587	48.64	ug/l	-0.02
Spiked Amount			Recovery	=	97.28%	
62) 4-Bromofluorobenzene	11.40	95	196337	52.81	ug/l	-0.02
Spiked Amount			Recovery	=	105.62%	

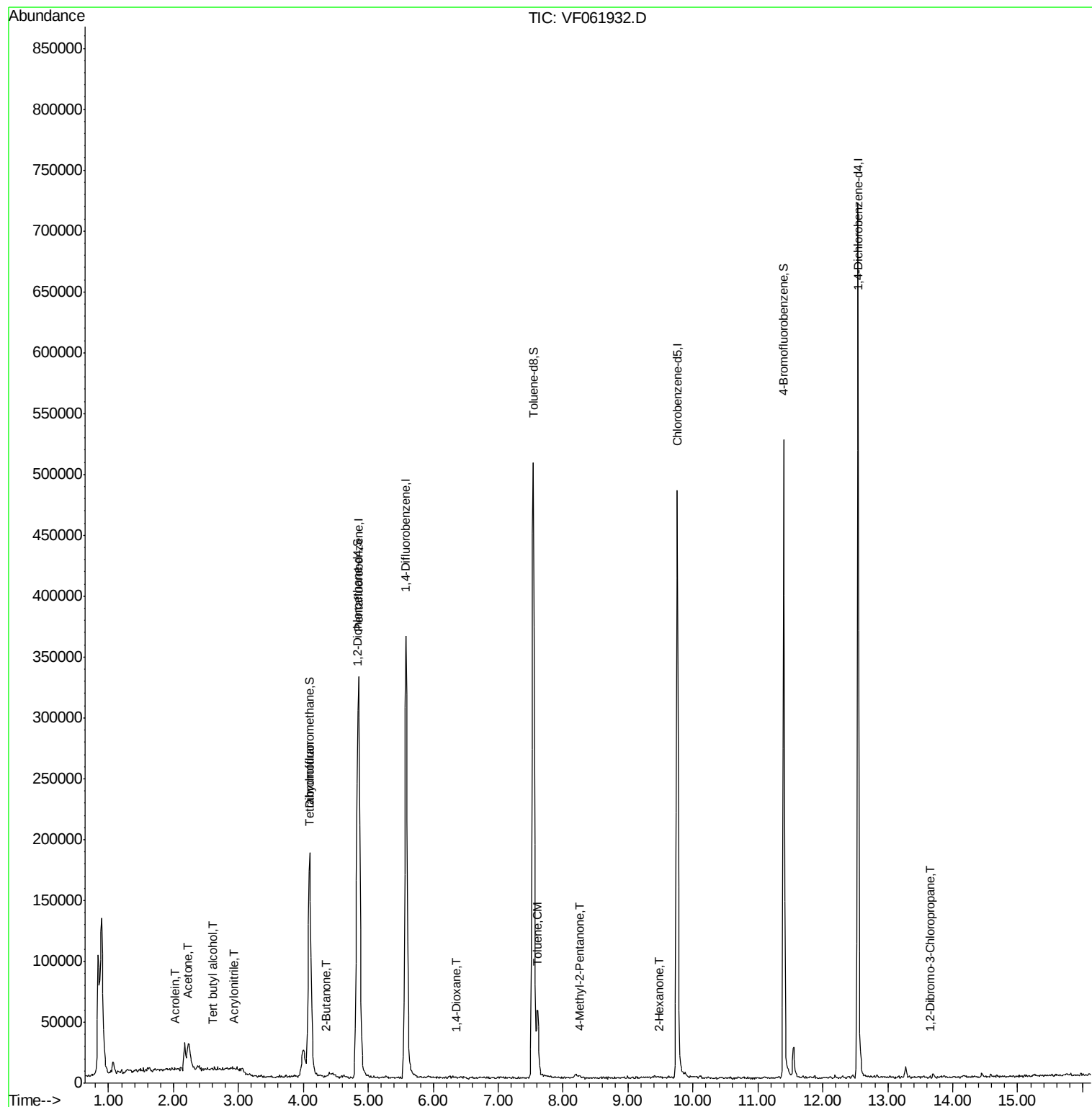
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.59	59	209	1.690	ug/l #	1
13) Acrolein	2.01	56	729	4.652	ug/l #	23
15) Acrylonitrile	2.95	53	725	1.841	ug/l #	53
16) Acetone	2.24	43	11208	24.555	ug/l #	90
18) Methyl Acetate	2.37	43	1061	Below Cal	#	62
20) Methylene Chloride	2.24	84	13224	Below Cal		92
25) 2-Butanone	4.35	43	2093	2.254	ug/l #	56
29) Tetrahydrofuran	4.08	42	1280	3.197	ug/l	95
49) 1,4-Dioxane	6.35	88	73	5.643	ug/l #	26
51) 4-Methyl-2-Pentanone	8.25	43	2010	1.301	ug/l	99
52) Toluene	7.61	92	29822	4.462	ug/l	91
59) 2-Hexanone	9.47	43	1684	1.510	ug/l	79
92) 1,2-Dibromo-3-Chloropropan	13.64	75	65	3.916	ug/l #	1

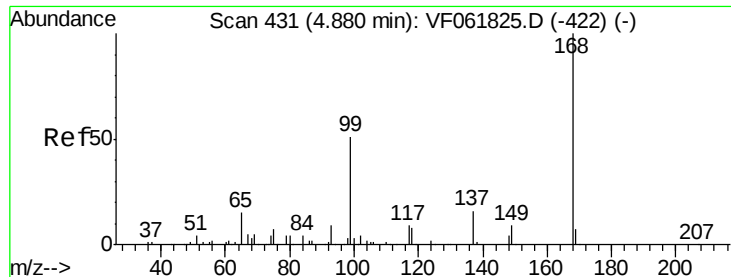
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031319\
Data File : VF061932.D
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Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:50:44 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.02 min

Lab File: VF061932.D

Acq: 13 Mar 2019 17:24

Instrument :

MSVOA_F

ClientSampleId :

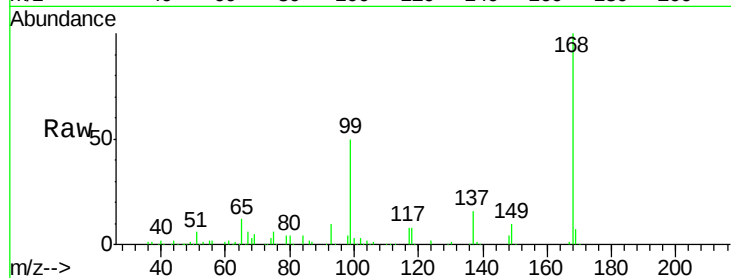
371

Tot Ion:168 Resp: 299213

Ion Ratio Lower Upper

168 100

99 49.9 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

100000

80000

60000

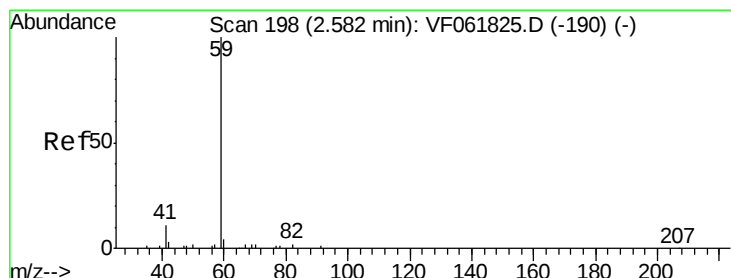
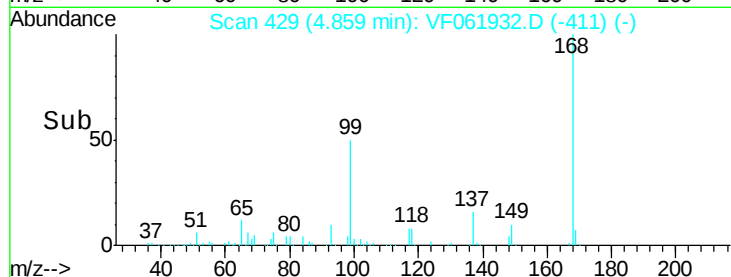
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#11

Tert butyl alcohol

Concen: 1.690 ug/l

RT: 2.59 min Scan# 199

Delta R.T. 0.01 min

Lab File: VF061932.D

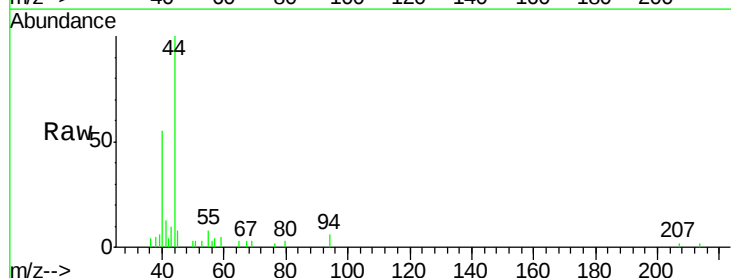
Acq: 13 Mar 2019 17:24

Tgt Ion: 59 Resp: 209

Ion Ratio Lower Upper

59 100

57 73.5 11.8 17.6#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.59

300

250

200

150

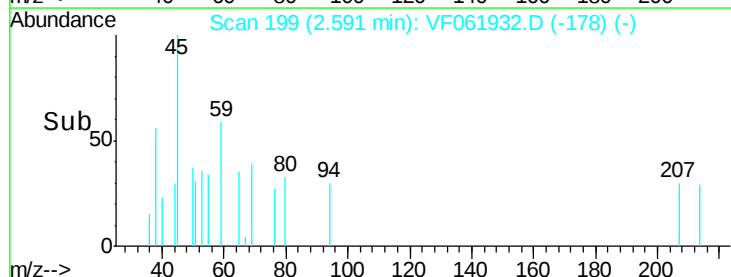
100

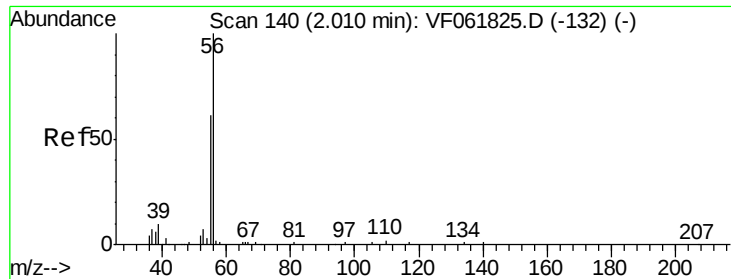
50

0

Time-->

2.55 2.60





#13

Acrolein

Concen: 4.652 ug/l

RT: 2.01 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF061932.D

Acq: 13 Mar 2019 17:24

Instrument :

MSVOA_F

ClientSampled :

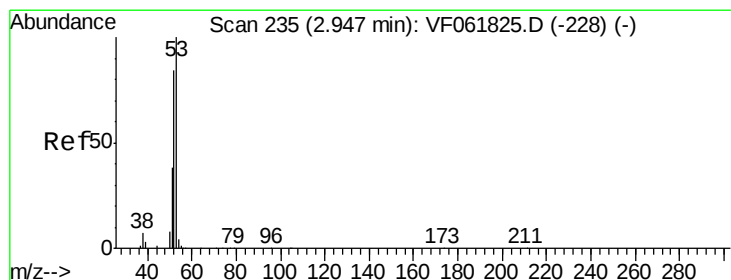
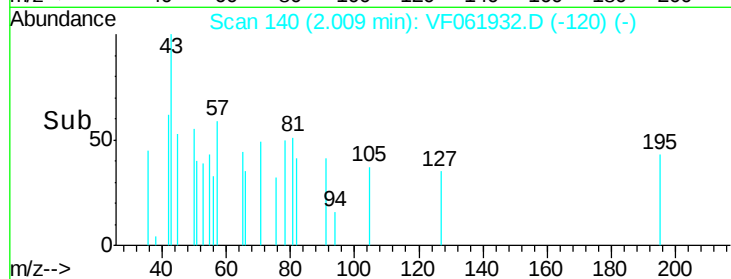
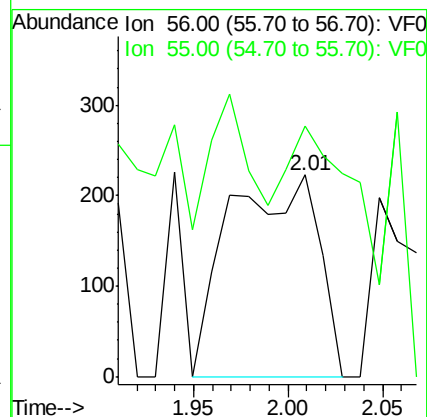
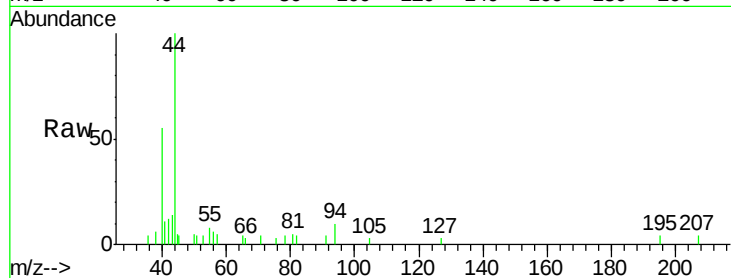
371

Tot Ion: 56 Resp: 729

Ion Ratio Lower Upper

56 100

55 124.2 51.3 76.9#



#15

Acrylonitrile

Concen: 1.841 ug/l

RT: 2.95 min Scan# 235

Delta R.T. -0.00 min

Lab File: VF061932.D

Acq: 13 Mar 2019 17:24

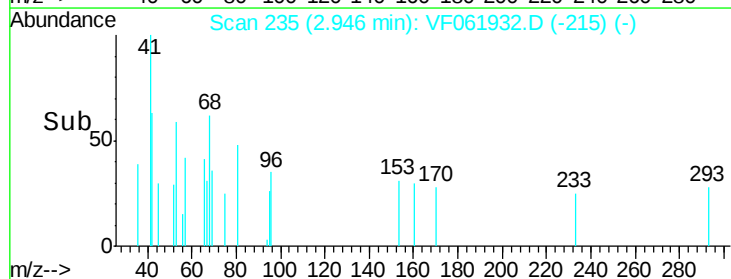
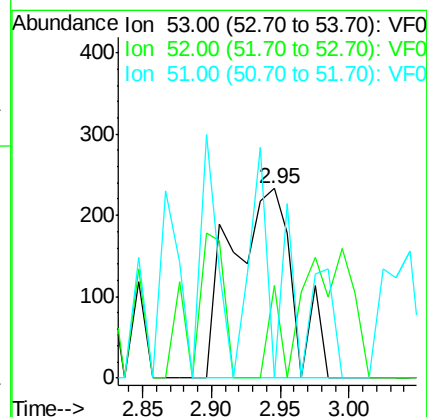
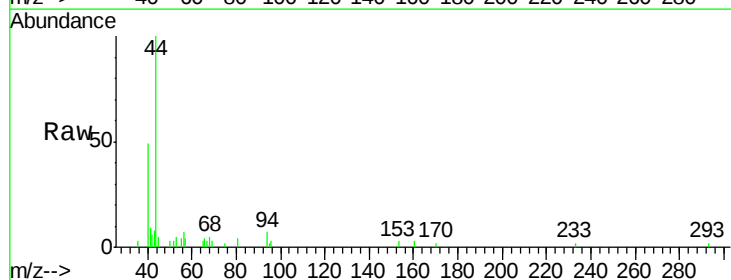
Tgt Ion: 53 Resp: 725

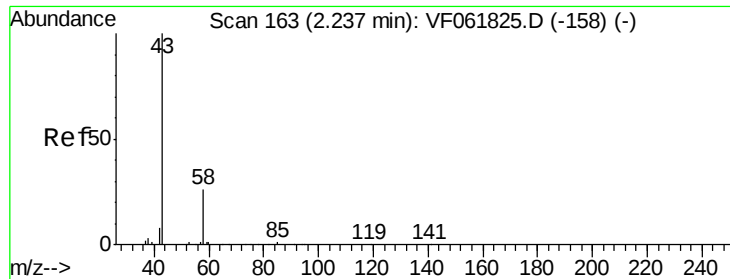
Ion Ratio Lower Upper

53 100

52 48.5 67.4 101.0#

51 0.0 30.7 46.1#





#16

Acetone

Concen: 24.555 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.00 min

Lab File: VF061932.D

Acq: 13 Mar 2019 17:24

Instrument :

MSVOA_F

ClientSampleId :

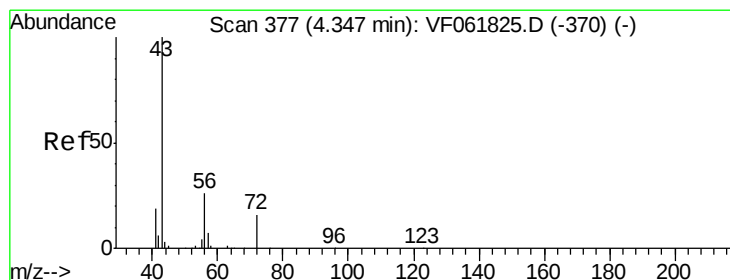
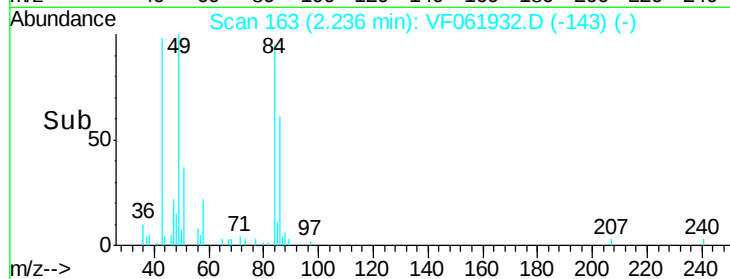
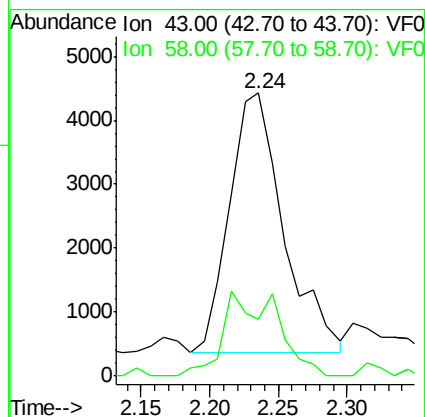
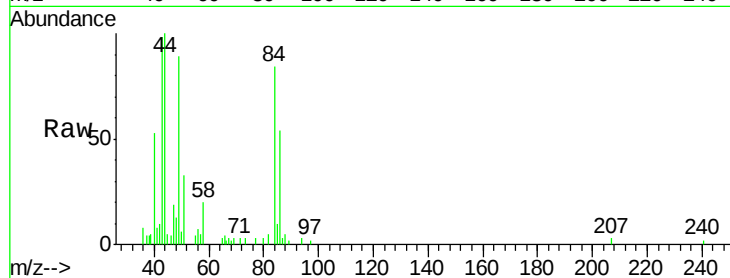
371

Tot Ion: 43 Resp: 11208

Ion Ratio Lower Upper

43 100

58 20.3 20.3 30.5#



#25

2-Butanone

Concen: 2.254 ug/l

RT: 4.35 min Scan# 377

Delta R.T. -0.00 min

Lab File: VF061932.D

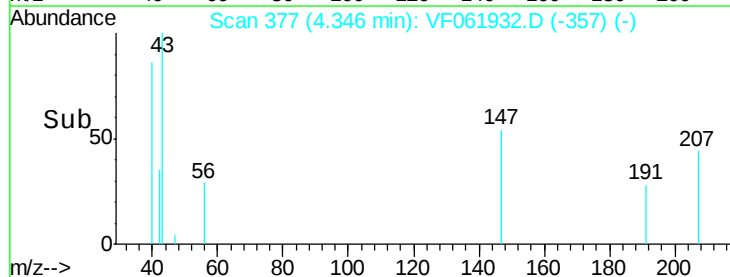
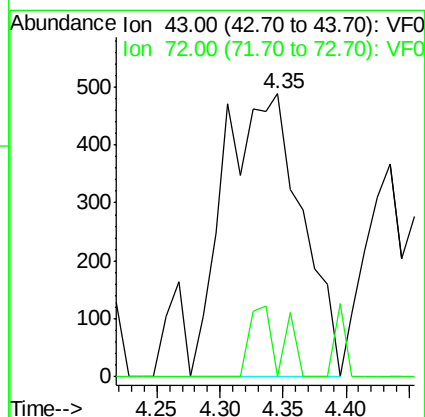
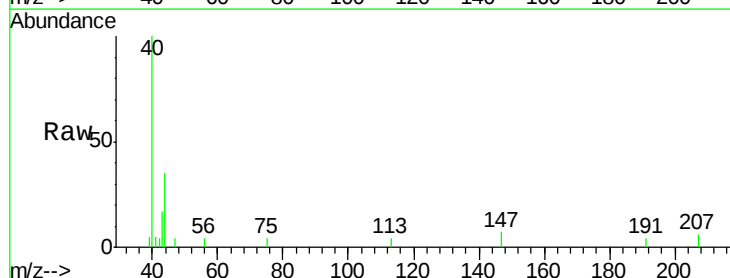
Acq: 13 Mar 2019 17:24

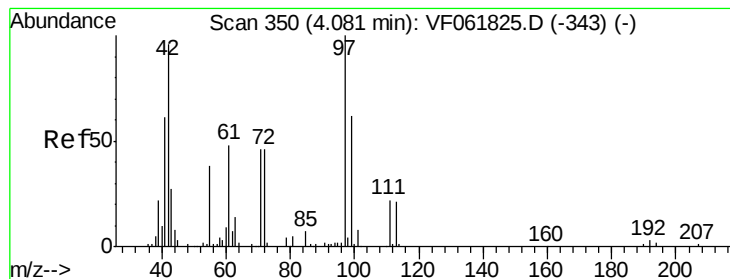
Tgt Ion: 43 Resp: 2093

Ion Ratio Lower Upper

43 100

72 0.0 16.2 24.4#





#29

Tetrahydrofuran

Concen: 3.197 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.00 min

Lab File: VF061932.D

Acq: 13 Mar 2019 17:24

Instrument :
MSVOA_F
ClientSampleId :
371

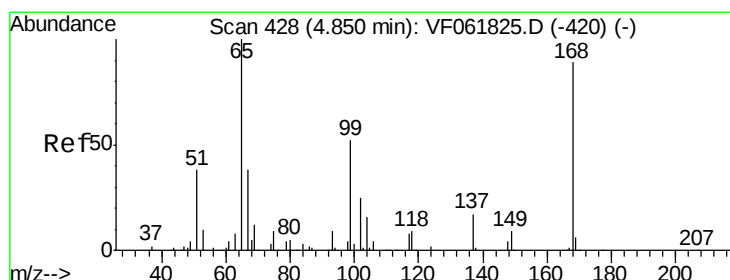
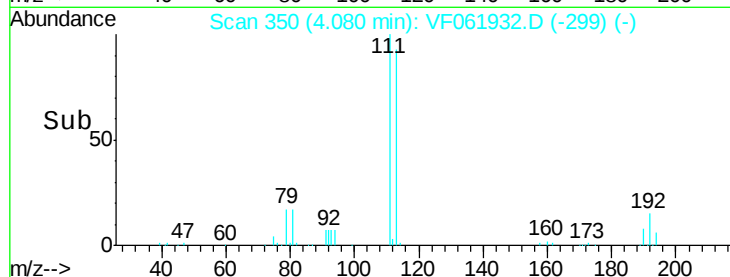
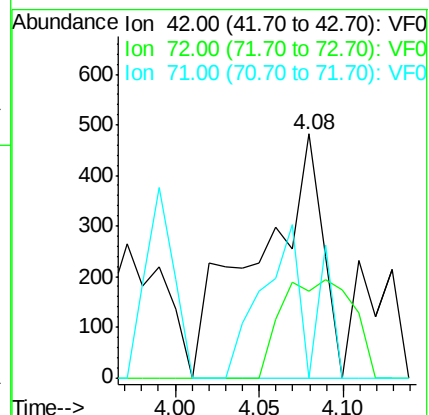
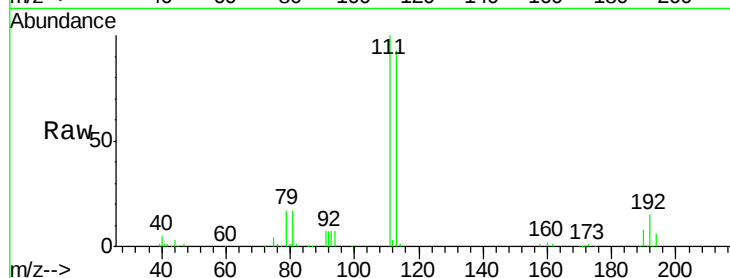
Tot Ion: 42 Resp: 1280

Ion Ratio Lower Upper

42 100

72 44.8 34.4 51.6

71 48.0 34.6 52.0



#33

1,2-Dichloroethane-d4

Concen: 55.154 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.02 min

Lab File: VF061932.D

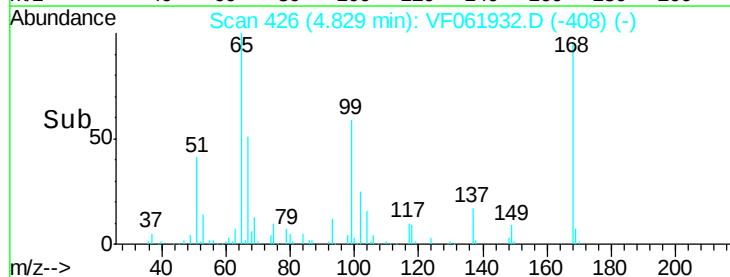
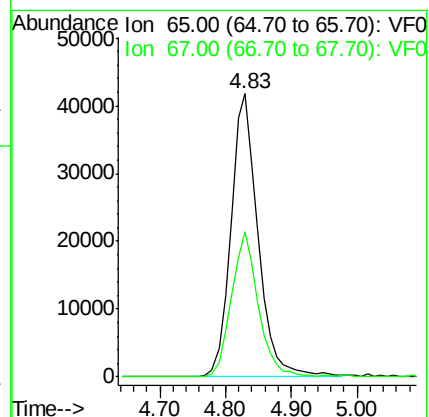
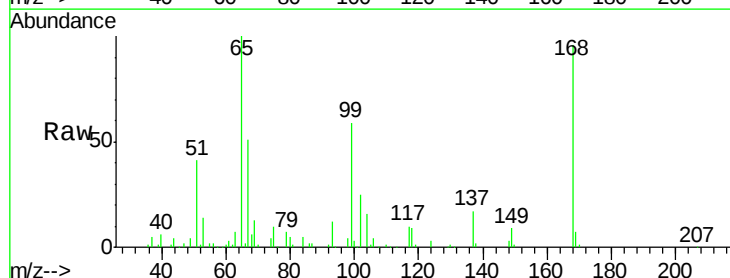
Acq: 13 Mar 2019 17:24

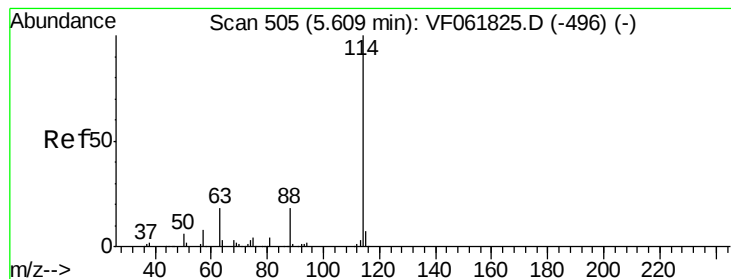
Tgt Ion: 65 Resp: 120181

Ion Ratio Lower Upper

65 100

67 51.2 0.0 108.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.03 min

Lab File: VF061932.D

Acq: 13 Mar 2019 17:24

Instrument :

MSVOA_F

ClientSampleId :

371

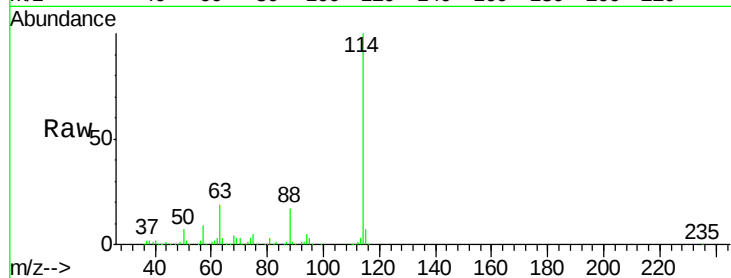
Tot Ion:114 Resp: 457536

Ion Ratio Lower Upper

114 100

63 18.6 0.0 35.6

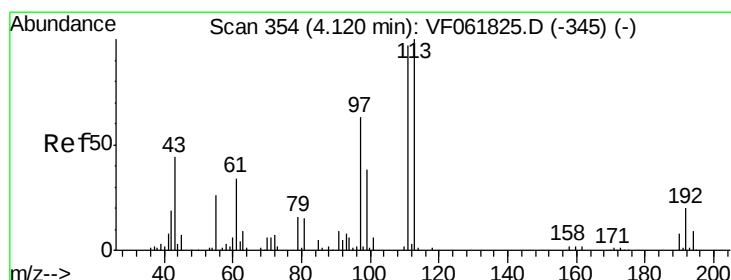
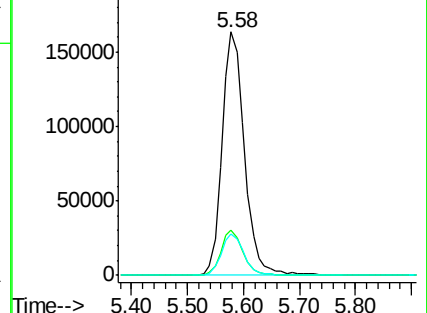
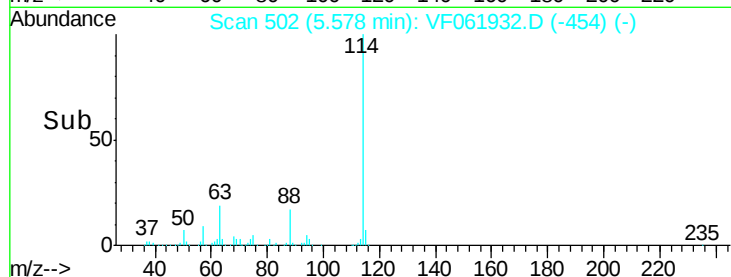
88 17.2 0.0 35.6



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: 56.169 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.02 min

Lab File: VF061932.D

Acq: 13 Mar 2019 17:24

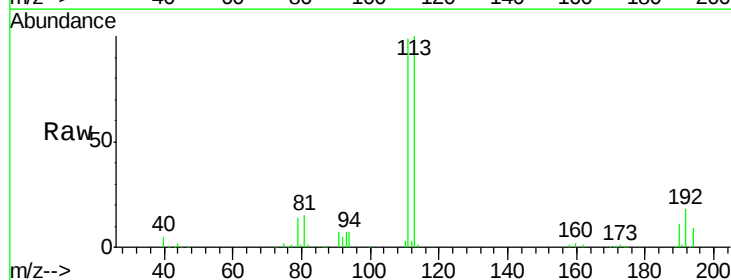
Tgt Ion:113 Resp: 179347

Ion Ratio Lower Upper

113 100

111 99.0 77.6 116.4

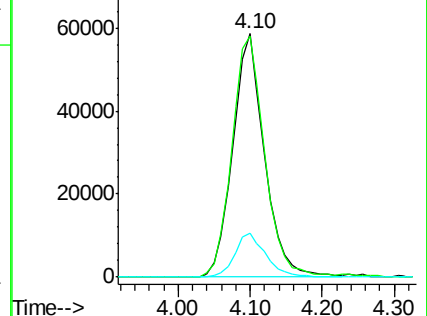
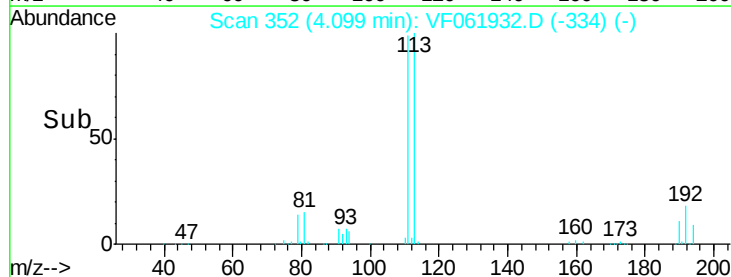
192 18.3 15.9 23.9

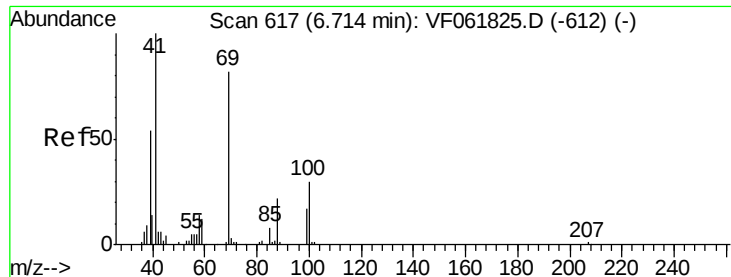


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

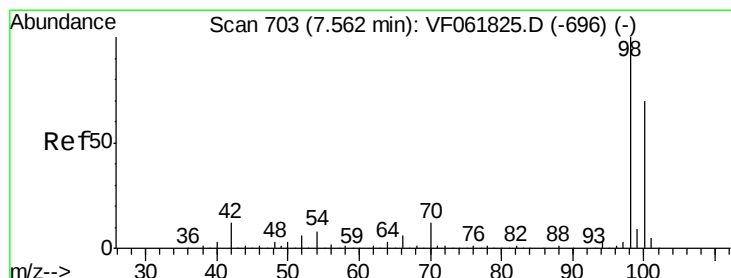
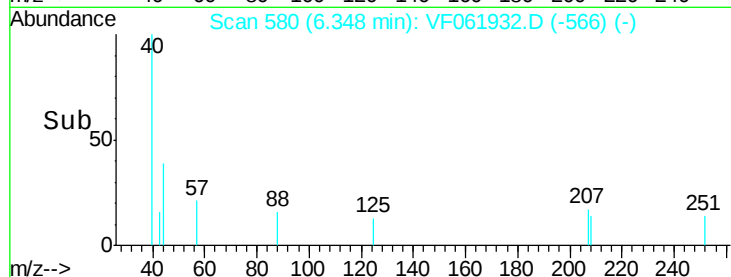
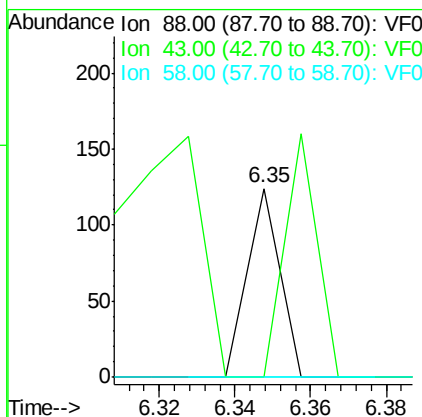
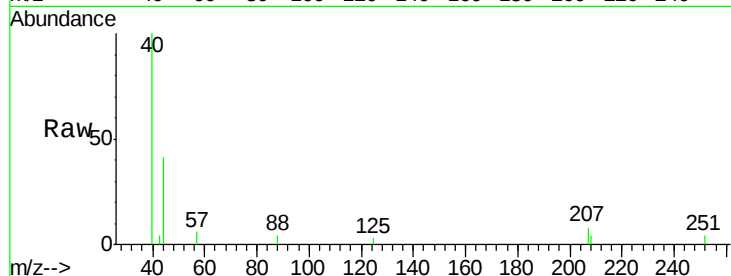




#49
1,4-Dioxane
Concen: 5.643 ug/l
RT: 6.35 min Scan# 580
Delta R.T. -0.37 min
Lab File: VF061932.D
Acq: 13 Mar 2019 17:24

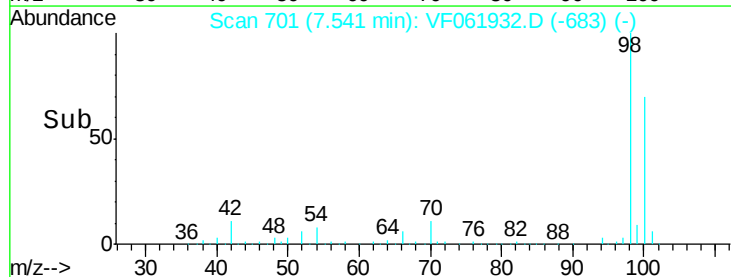
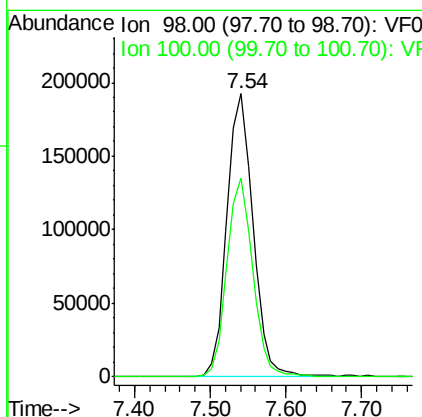
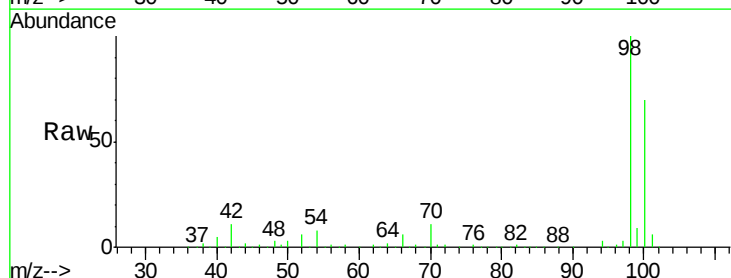
Instrument :
MSVOA_F
ClientSampleId :
371

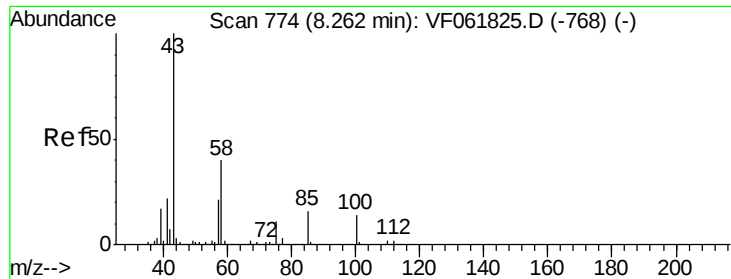
Tot Ion: 88 Resp: 73
Ion Ratio Lower Upper
88 100
43 0.0 28.4 42.6#
58 0.0 50.7 76.1#



#50
Toluene-d8
Concen: 48.636 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.02 min
Lab File: VF061932.D
Acq: 13 Mar 2019 17:24

Tgt Ion: 98 Resp: 461587
Ion Ratio Lower Upper
98 100
100 70.2 56.0 84.0





#51

4-Methyl-2-Pentanone

Concen: 1.301 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.01 min

Lab File: VF061932.D

Acq: 13 Mar 2019 17:24

Instrument :

MSVOA_F

ClientSampleId :

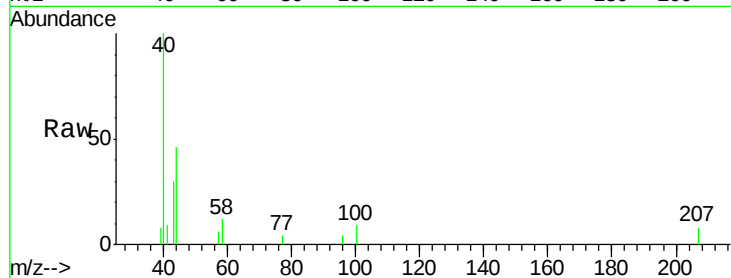
371

Tot Ion: 43 Resp: 2010

Ion Ratio Lower Upper

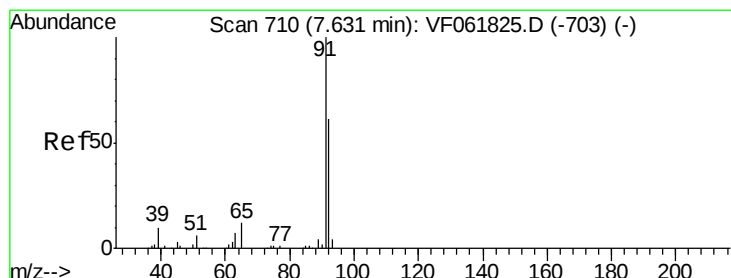
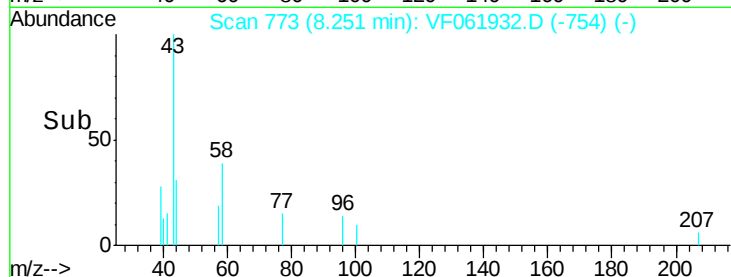
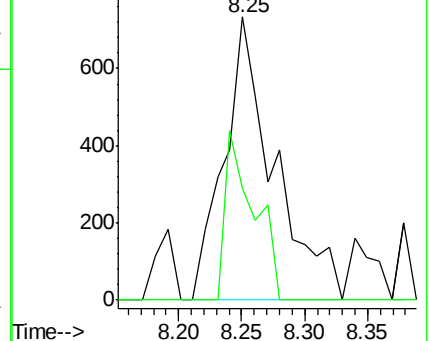
43 100

58 39.4 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 4.462 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.02 min

Lab File: VF061932.D

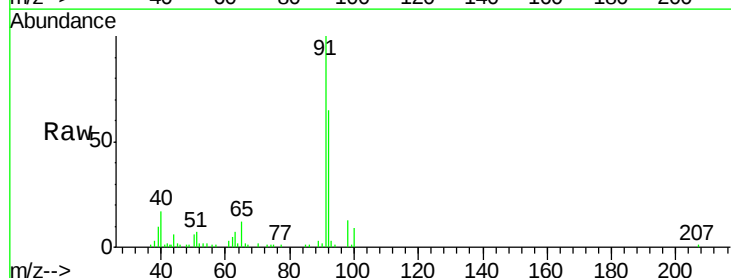
Acq: 13 Mar 2019 17:24

Tgt Ion: 92 Resp: 29822

Ion Ratio Lower Upper

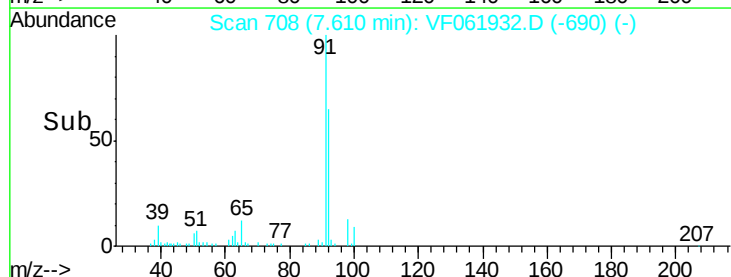
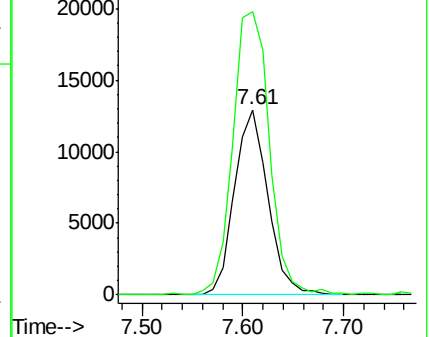
92 100

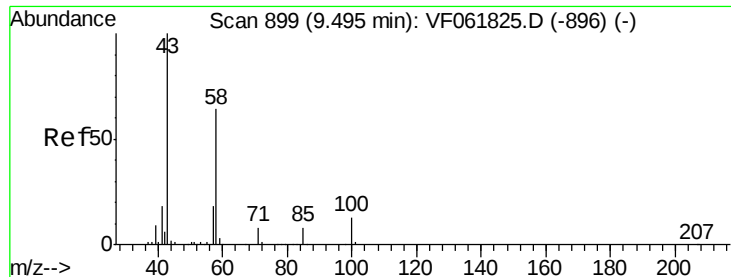
91 153.0 132.0 198.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

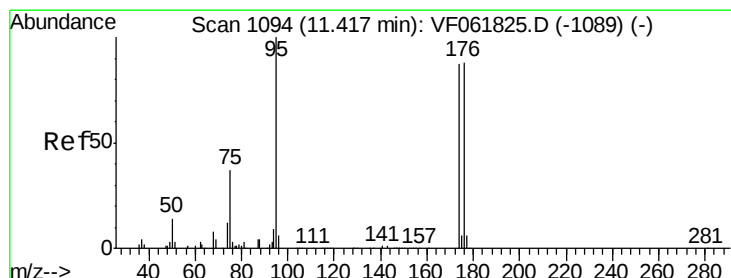
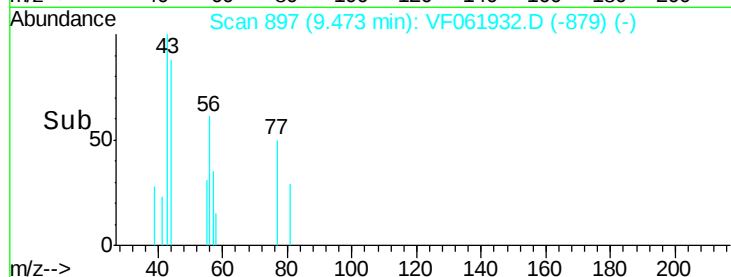
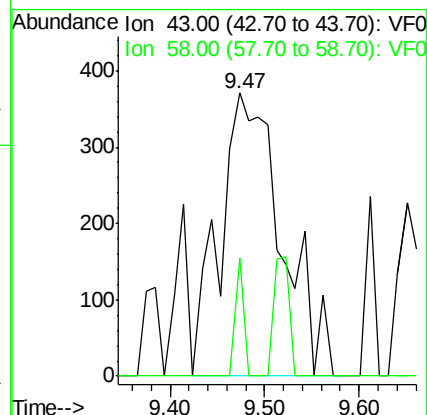
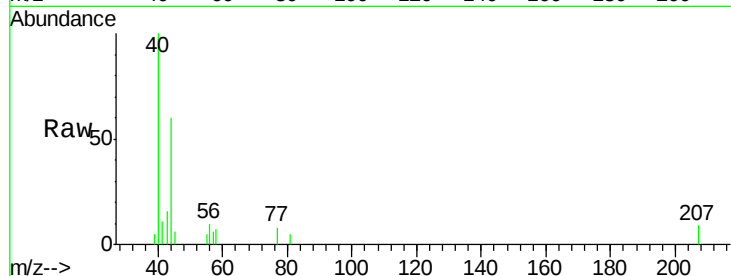




#59
2-Hexanone
Concen: 1.510 ug/l
RT: 9.47 min Scan# 897
Delta R.T. -0.02 min
Lab File: VF061932.D
Acq: 13 Mar 2019 17:24

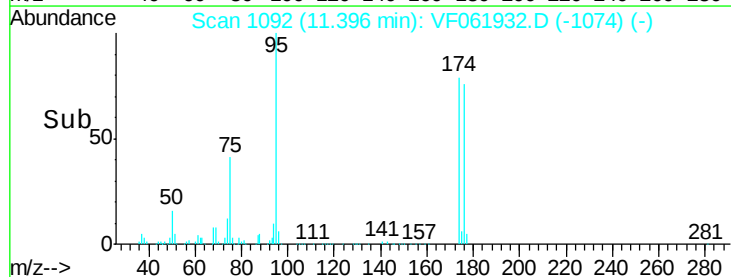
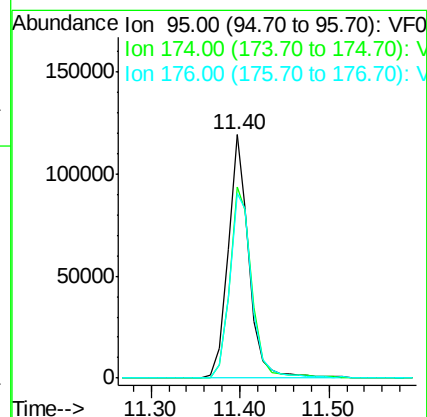
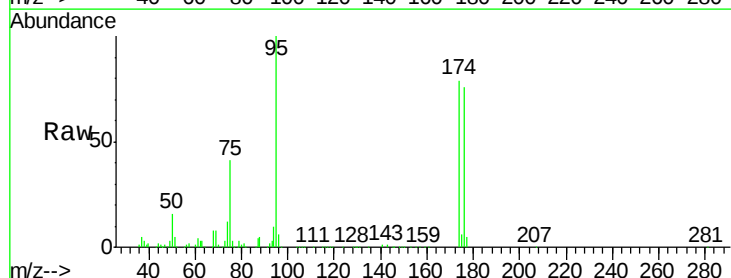
Instrument :
MSVOA_F
ClientSampled :
371

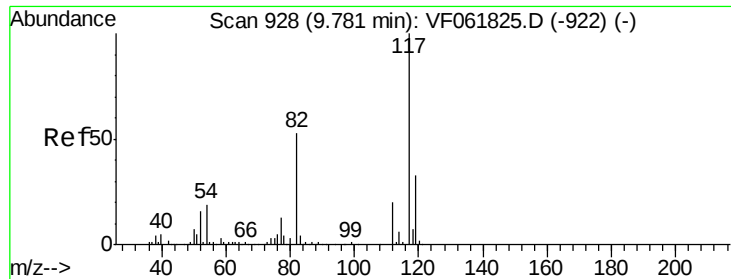
Tot Ion: 43 Resp: 1684
Ion Ratio Lower Upper
43 100
58 41.8 28.8 86.4



#62
4-Bromofluorobenzene
Concen: 52.812 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.02 min
Lab File: VF061932.D
Acq: 13 Mar 2019 17:24

Tgt Ion: 95 Resp: 196337
Ion Ratio Lower Upper
95 100
174 78.8 0.0 174.0
176 75.7 0.0 175.2

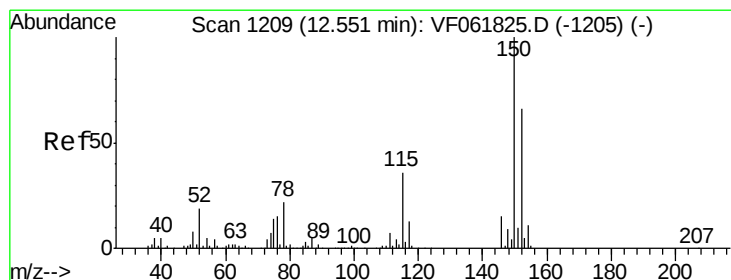
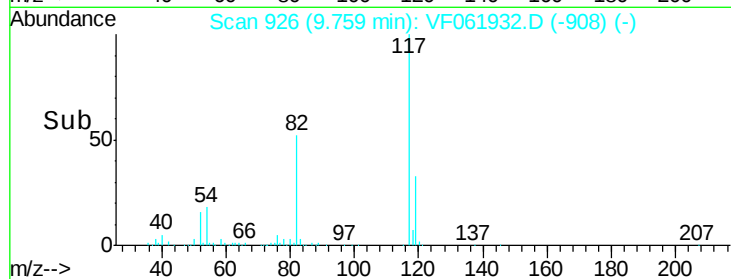
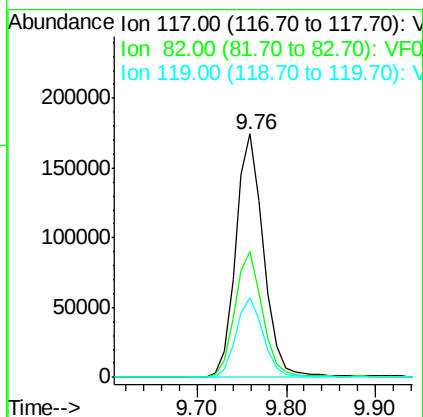
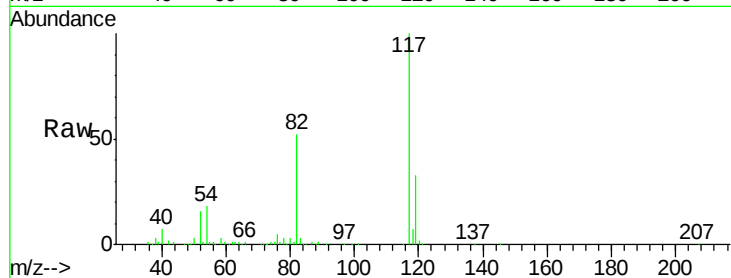




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.02 min
Lab File: VF061932.D
Acq: 13 Mar 2019 17:24

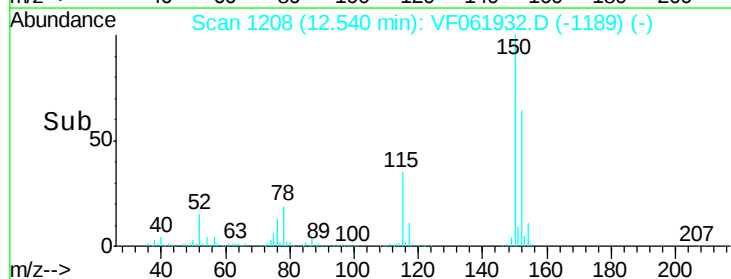
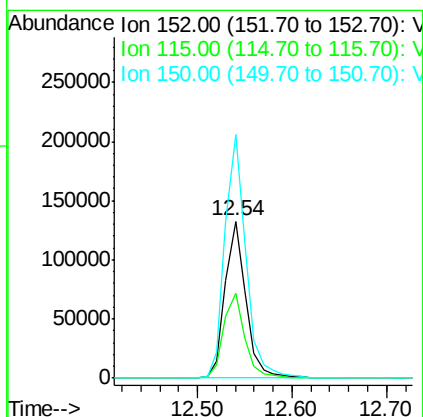
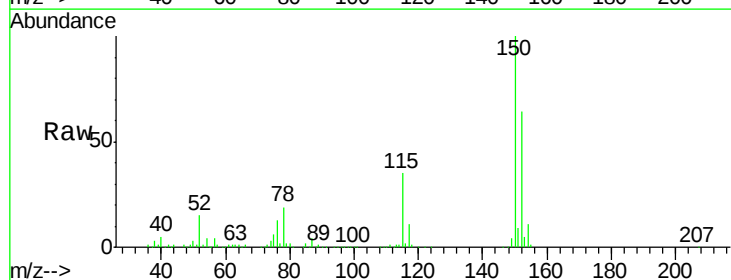
Instrument :
MSVOA_F
ClientSampleId :
371

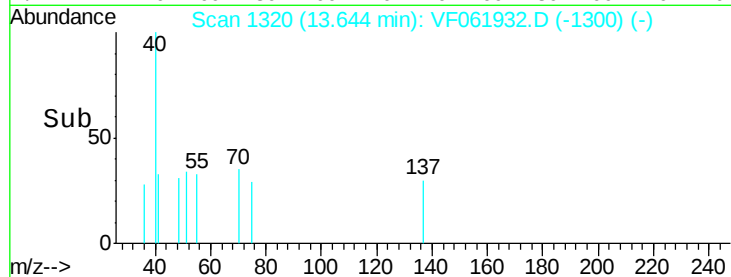
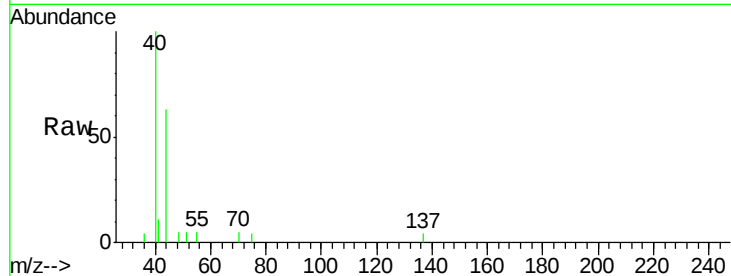
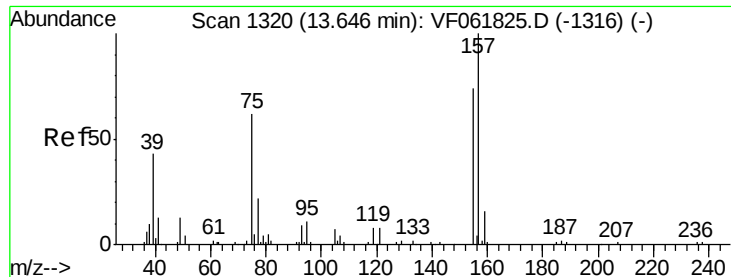
Tot Ion:117 Resp: 378998
Ion Ratio Lower Upper
117 100
82 51.6 42.6 63.8
119 32.8 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF061932.D
Acq: 13 Mar 2019 17:24

Tgt Ion:152 Resp: 203059
Ion Ratio Lower Upper
152 100
115 53.9 27.7 83.1
150 155.4 0.0 304.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 3.916 ug/l

RT: 13.64 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VF061932.D

Acq: 13 Mar 2019 17:24

Instrument :

MSVOA_F

ClientSampleId :

371

Tot Ion: 75 Resp: 65

Ion Ratio Lower Upper

75 100

155 0.0 59.8 179.4#

157 0.0 81.2 243.4#

