

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF020719\
 Data File : VF061557.D
 Acq On : 7 Feb 2019 21:03
 Operator : VA/AP
 Sample : K1404-08
 Misc : 6.07g/5mL/MSVOA-F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Feb 09 04:38:10 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	89699	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.60	114	164271	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.78	117	148333	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	83591	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	59673	53.88	ug/l	0.01
Spiked Amount 50.000			Recovery =	107.76%		
35) Dibromofluoromethane	4.12	113	64528	49.78	ug/l	0.01
Spiked Amount 50.000			Recovery =	99.56%		
50) Toluene-d8	7.56	98	150470	42.37	ug/l	0.01
Spiked Amount 50.000			Recovery =	84.74%		
62) 4-Bromofluorobenzene	11.41	95	83546	50.35	ug/l	0.01
Spiked Amount 50.000			Recovery =	100.70%		

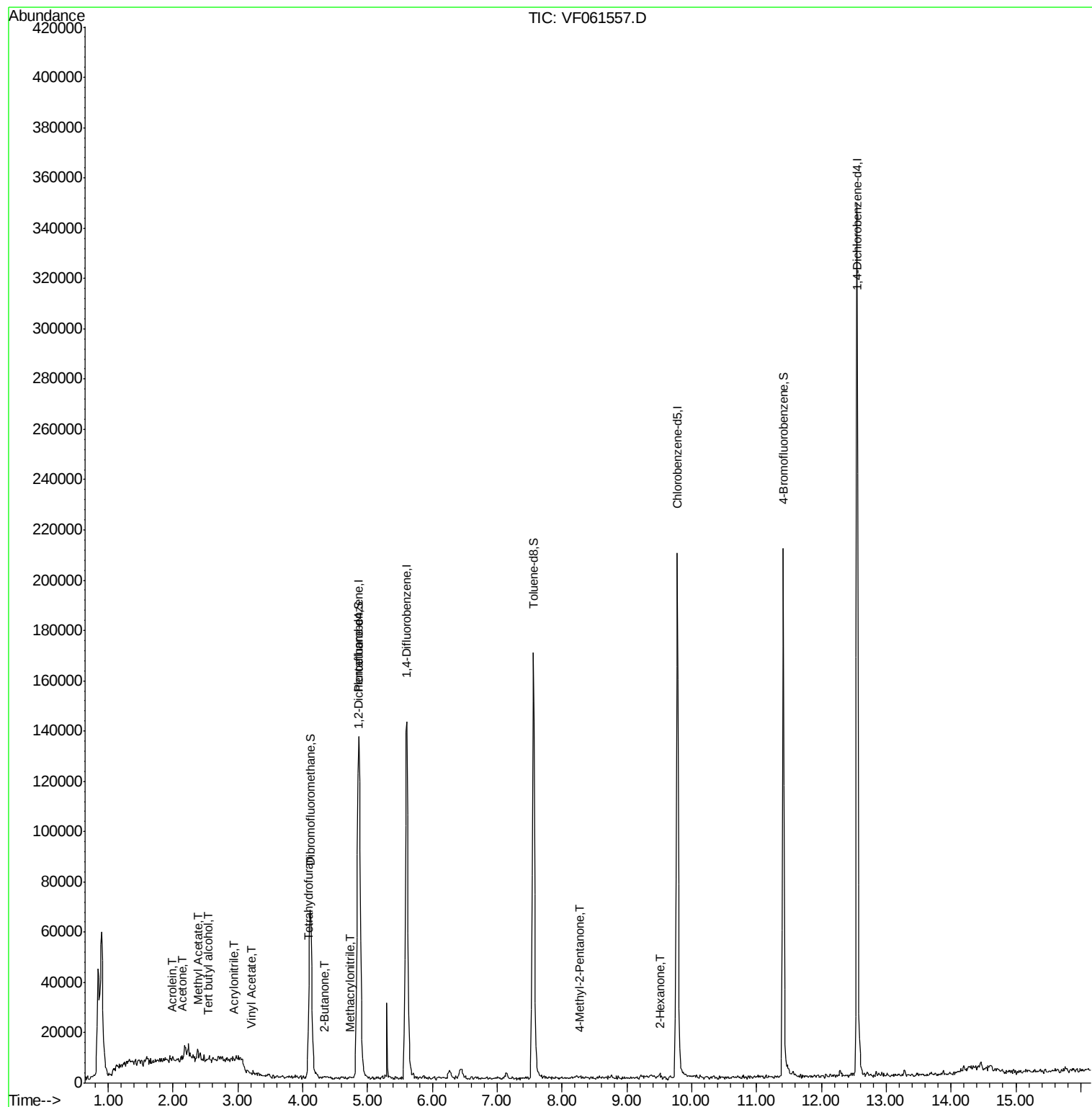
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.53	59	76	1.621	ug/l #	1
13) Acrolein	1.98	56	457	21.187	ug/l	89
14) Allyl chloride	2.08	41	390	Below Cal	#	56
15) Acrylonitrile	2.94	53	203	1.691	ug/l #	55
16) Acetone	2.14	43	1386	6.239	ug/l	99
18) Methyl Acetate	2.38	43	3756	8.525	ug/l #	61
23) Vinyl Acetate	3.21	43	362	3.480	ug/l #	78
25) 2-Butanone	4.33	43	438	1.186	ug/l #	57
29) Tetrahydrofuran	4.09	42	485	3.049	ug/l #	49
41) Methacrylonitrile	4.73	41	411	1.015	ug/l #	42
49) 1,4-Dioxane	6.45	88	75	Below Cal	#	1
51) 4-Methyl-2-Pentanone	8.26	43	976	1.389	ug/l #	39
59) 2-Hexanone	9.51	43	1000	2.041	ug/l	74

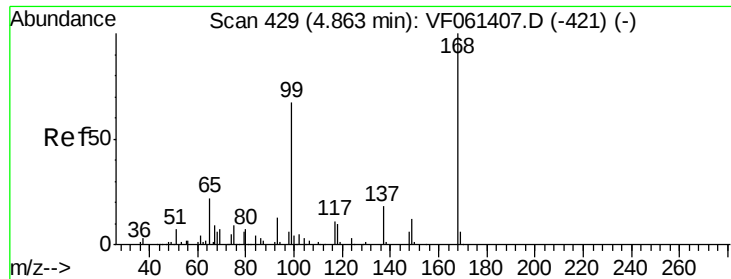
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF020719\
Data File : VF061557.D
Acq On : 7 Feb 2019 21:03
Operator : VA/AP
Sample : K1404-08
Misc : 6.07g/5mL/MSVOA-F/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Feb 09 04:38:10 2019
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: 4.87 min Scan# 430

Delta R.T. 0.01 min

Lab File: VF061557.D

Acq: 7 Feb 2019 21:03

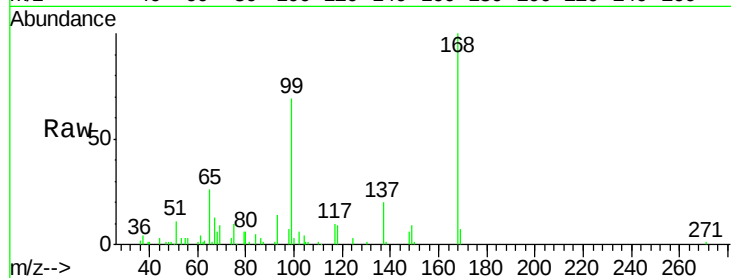
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 89699

Ion Ratio Lower Upper

168 100

99 69.0 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

30000

20000

10000

0

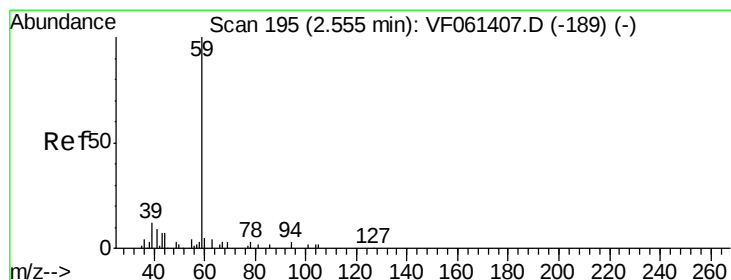
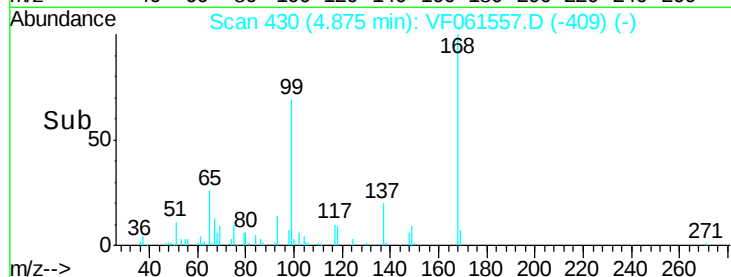
4.87

4.80

4.90

5.00

Time-->



#11

Tert butyl alcohol

Concen: 1.621 ug/l

RT: 2.53 min Scan# 192

Delta R.T. -0.03 min

Lab File: VF061557.D

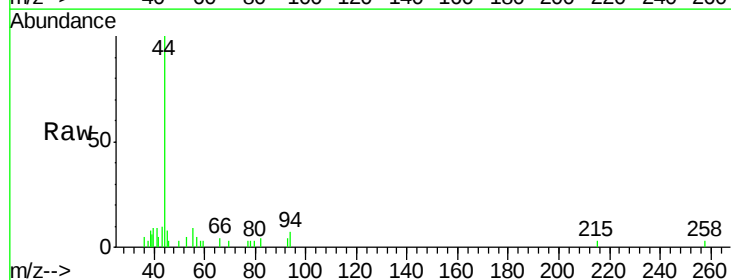
Acq: 7 Feb 2019 21:03

Tgt Ion: 59 Resp: 76

Ion Ratio Lower Upper

59 100

57 169.5 11.9 17.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

300

200

100

0

2.53

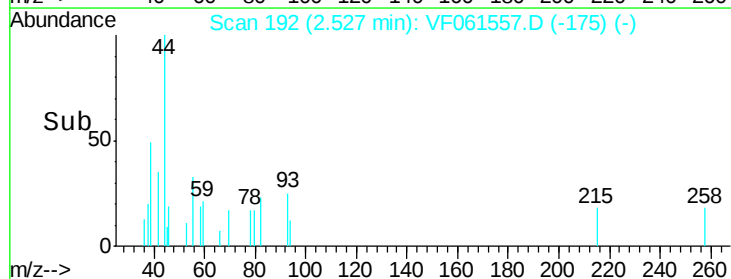
2.50

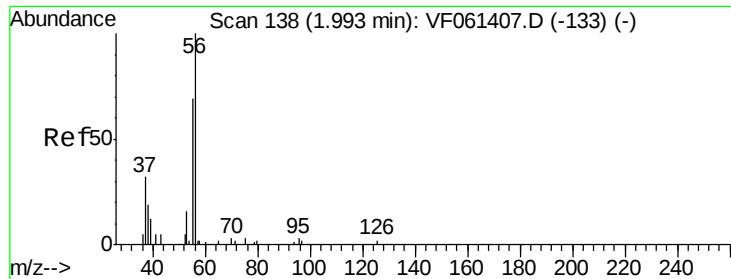
2.52

2.54

2.56

Time-->





#13

Acrolein

Concen: 21.187 ug/l

RT: 1.98 min Scan# 137

Delta R.T. -0.01 min

Lab File: VF061557.D

Acq: 7 Feb 2019 21:03

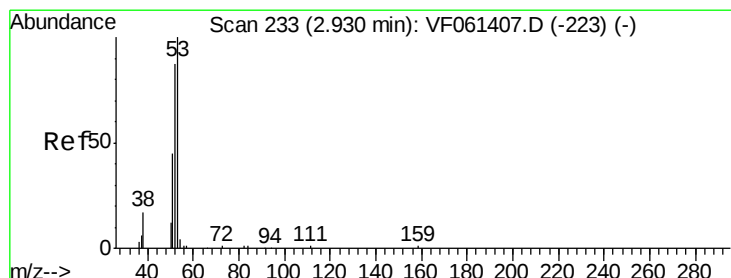
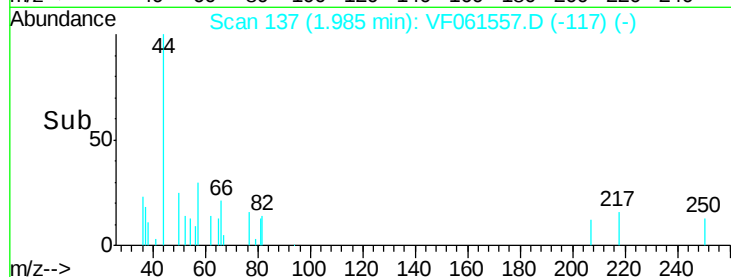
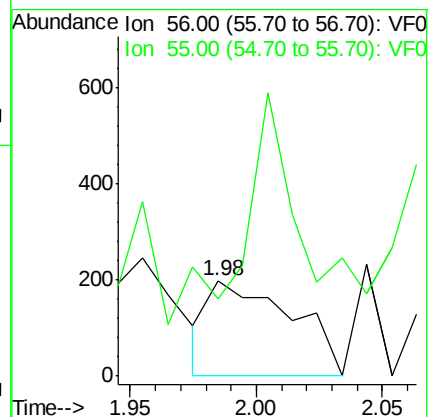
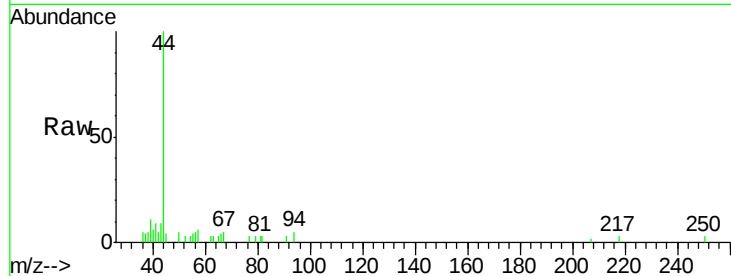
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 457

Ion Ratio Lower Upper

56 100

55 81.3 57.5 86.3



#15

Acrylonitrile

Concen: 1.691 ug/l

RT: 2.94 min Scan# 234

Delta R.T. 0.01 min

Lab File: VF061557.D

Acq: 7 Feb 2019 21:03

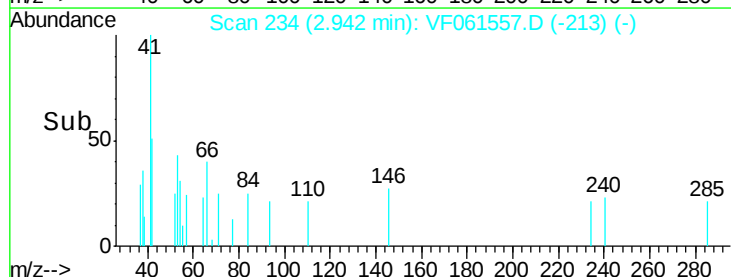
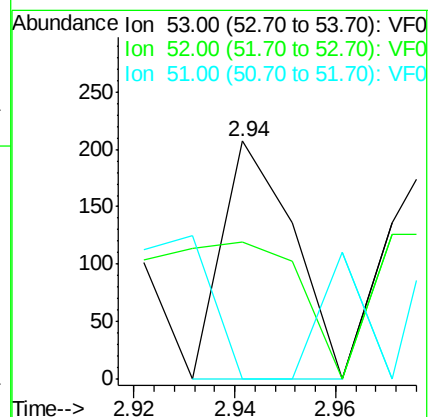
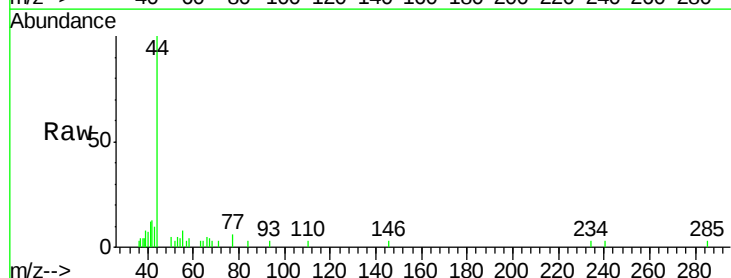
Tgt Ion: 53 Resp: 203

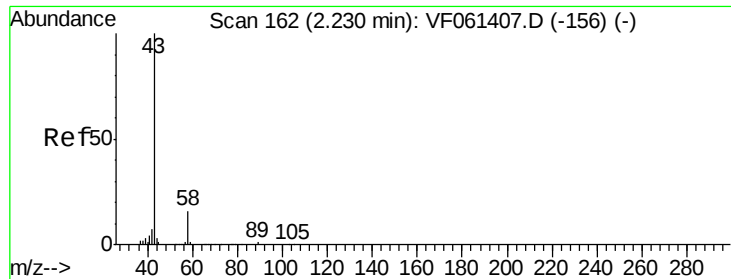
Ion Ratio Lower Upper

53 100

52 57.5 69.6 104.4#

51 0.0 36.8 55.2#





#16

Acetone

Concen: 6.239 ug/l

RT: 2.14 min Scan# 153

Delta R.T. -0.09 min

Lab File: VF061557.D

Acq: 7 Feb 2019 21:03

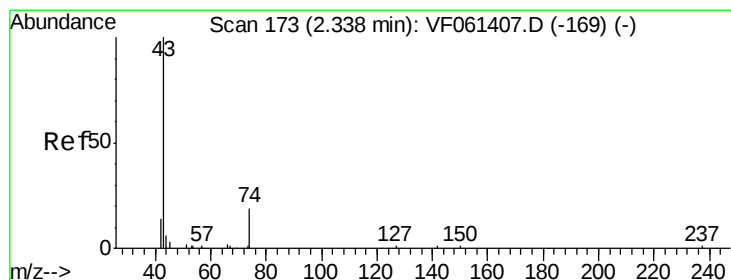
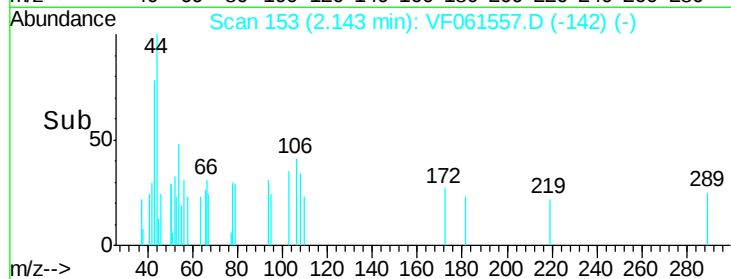
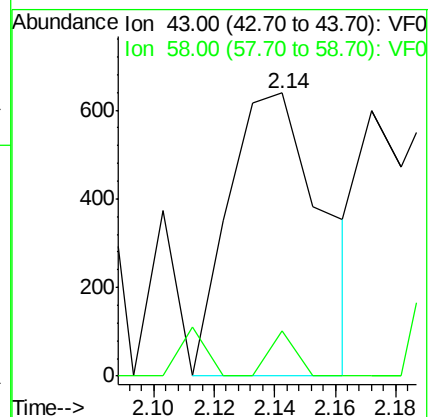
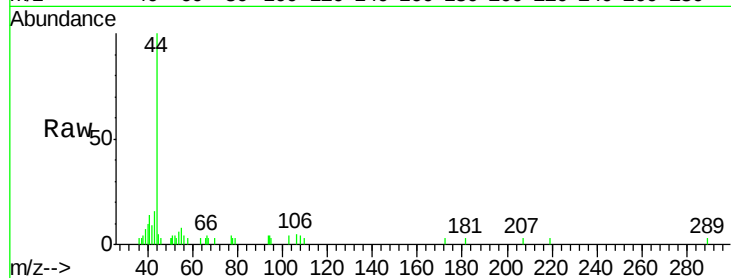
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 1386

Ion Ratio Lower Upper

43 100

58 16.0 13.3 19.9



#18

Methyl Acetate

Concen: 8.525 ug/l

RT: 2.38 min Scan# 177

Delta R.T. 0.04 min

Lab File: VF061557.D

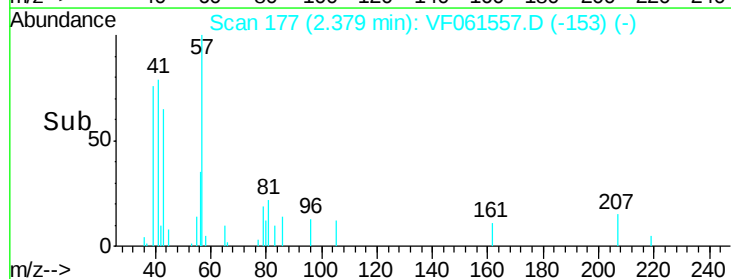
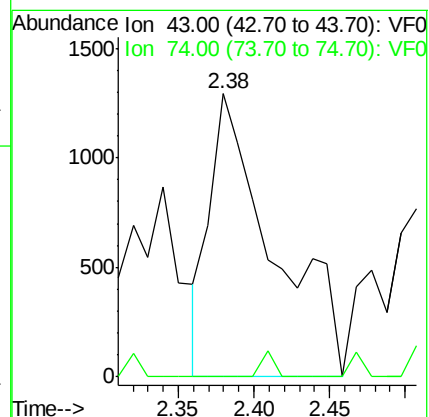
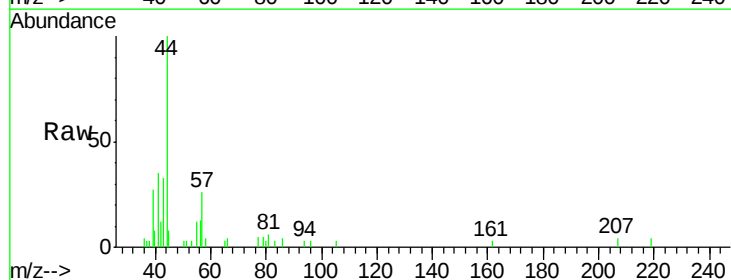
Acq: 7 Feb 2019 21:03

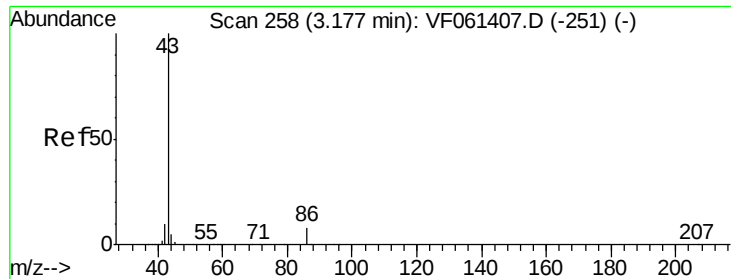
Tgt Ion: 43 Resp: 3756

Ion Ratio Lower Upper

43 100

74 0.0 13.4 20.0#





#23

Vinyl Acetate

Concen: 3.480 ug/l

RT: 3.21 min Scan# 261

Delta R.T. 0.03 min

Lab File: VF061557.D

Acq: 7 Feb 2019 21:03

Instrument :

MSVOA_F

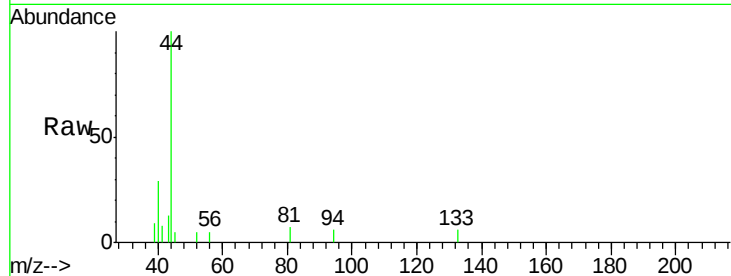
ClientSampled :

Tot Ion: 43 Resp: 362

Ion Ratio Lower Upper

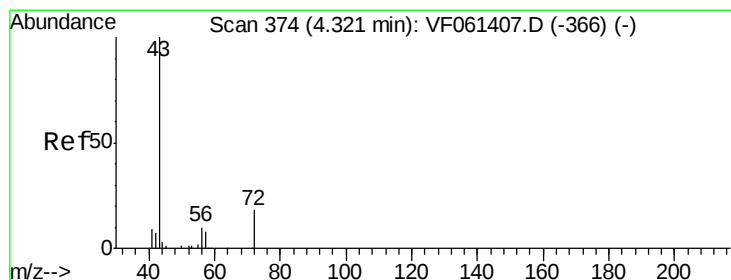
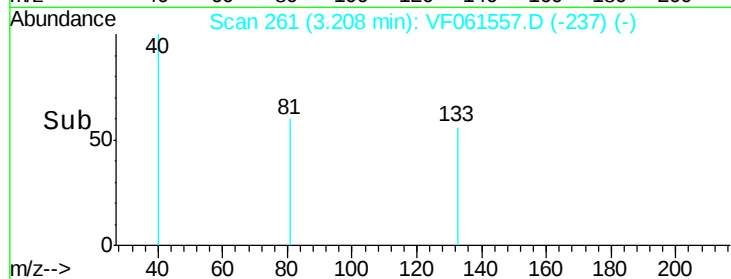
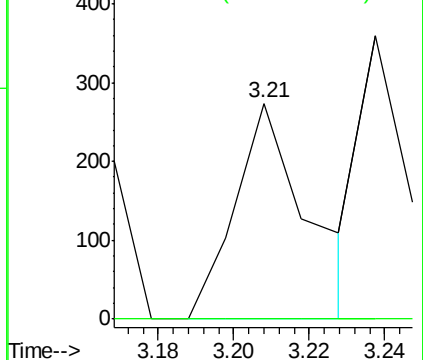
43 100

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: 1.186 ug/l

RT: 4.33 min Scan# 375

Delta R.T. 0.01 min

Lab File: VF061557.D

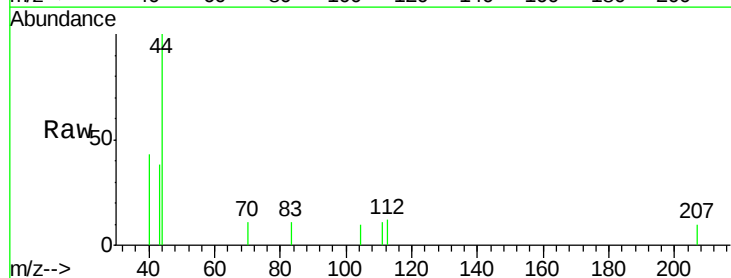
Acq: 7 Feb 2019 21:03

Tgt Ion: 43 Resp: 438

Ion Ratio Lower Upper

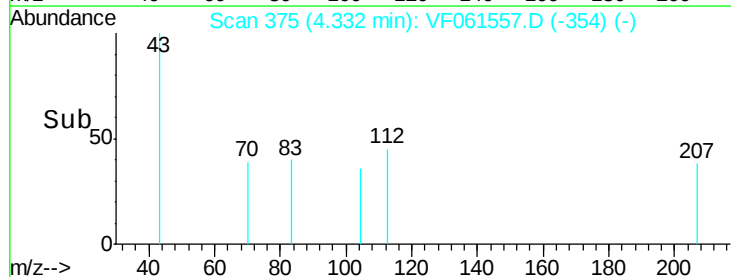
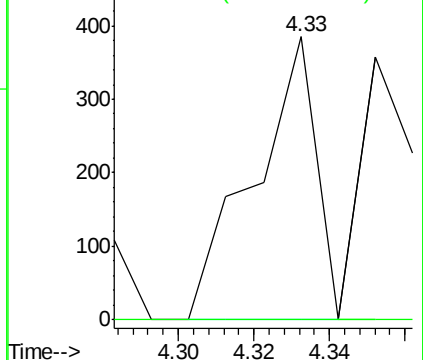
43 100

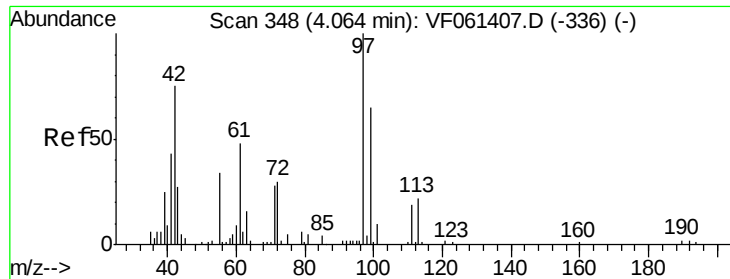
72 0.0 15.8 23.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0





#29

Tetrahydrofuran

Concen: 3.049 ug/l

RT: 4.09 min Scan# 350

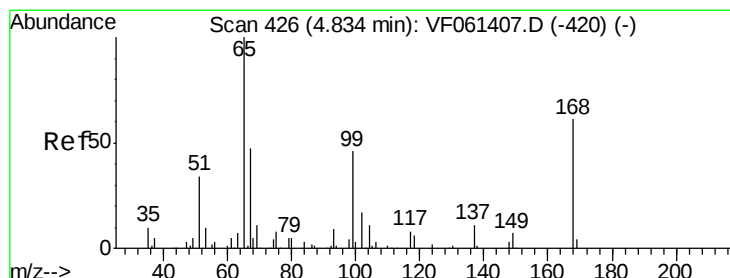
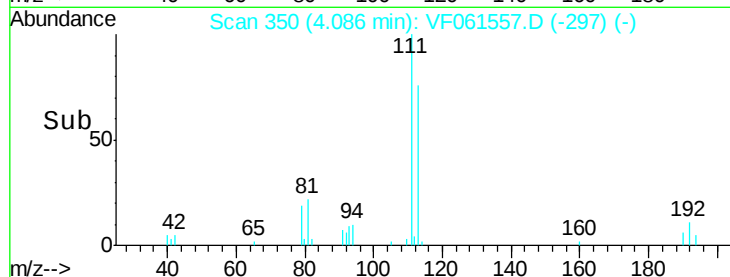
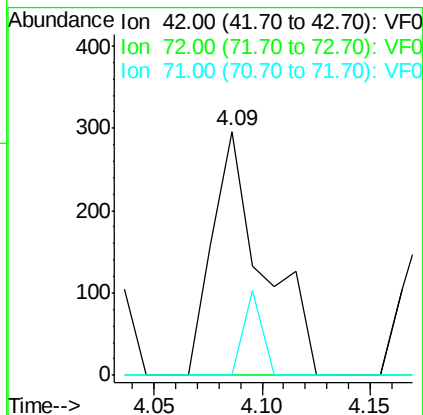
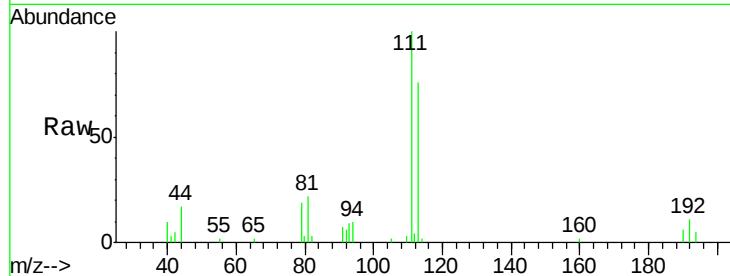
Delta R.T. 0.02 min

Lab File: VF061557.D

Acq: 7 Feb 2019 21:03

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	42	Resp:	485
Ion	Ratio	Lower	Upper
42	100		
72	0.0	28.9	43.3#
71	12.6	29.6	44.4#



#33

1,2-Dichloroethane-d4

Concen: 53.883 ug/l

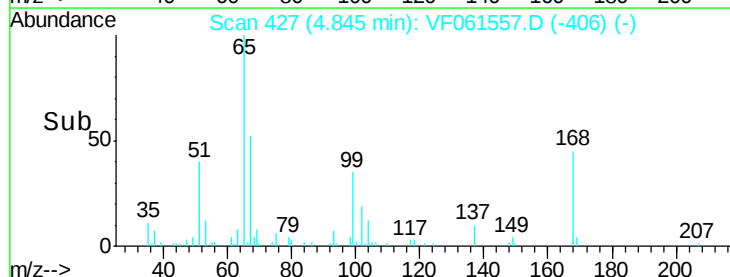
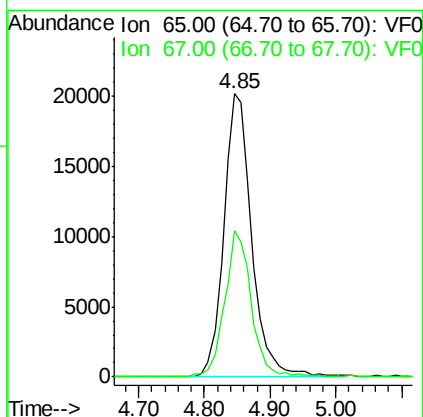
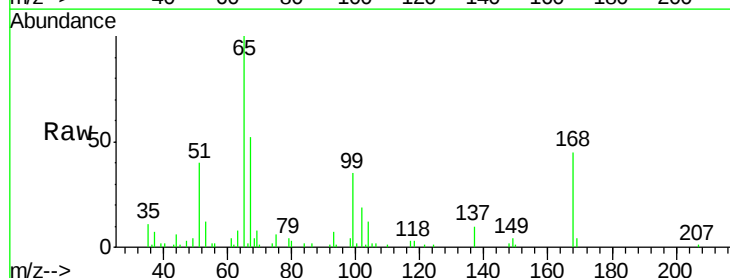
RT: 4.85 min Scan# 427

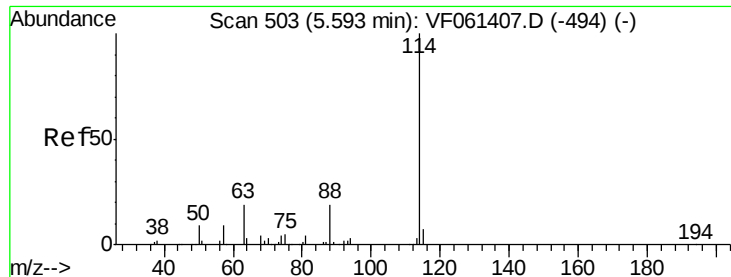
Delta R.T. 0.01 min

Lab File: VF061557.D

Acq: 7 Feb 2019 21:03

Tgt Ion:	65	Resp:	59673
Ion	Ratio	Lower	Upper
65	100		
67	51.7	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: VF061557.D

Acq: 7 Feb 2019 21:03

Instrument :

MSVOA_F

ClientSampleId :

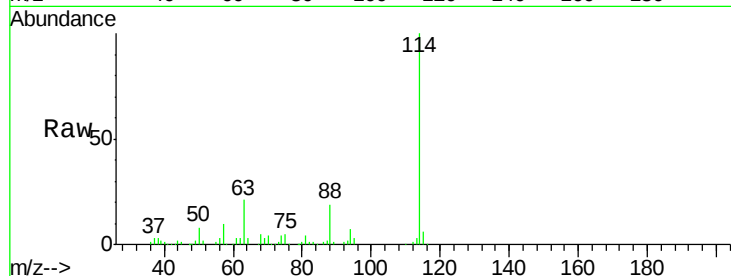
Tot Ion:114 Resp: 164271

Ion Ratio Lower Upper

114 100

63 21.0 0.0 39.0

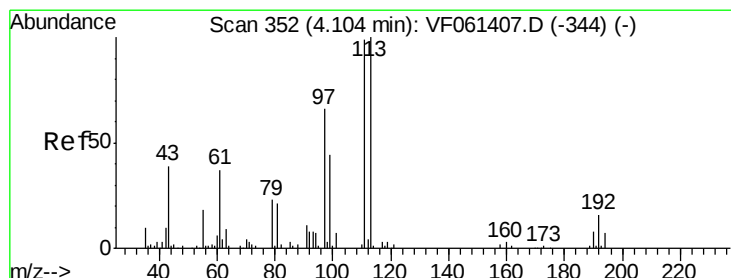
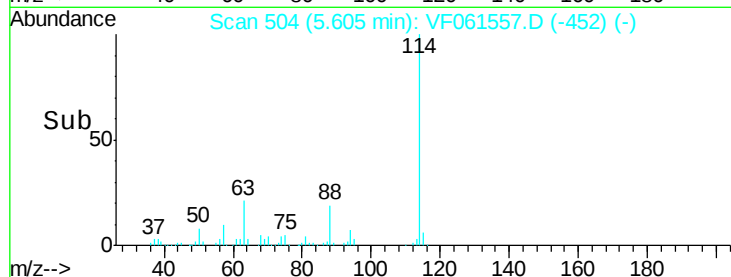
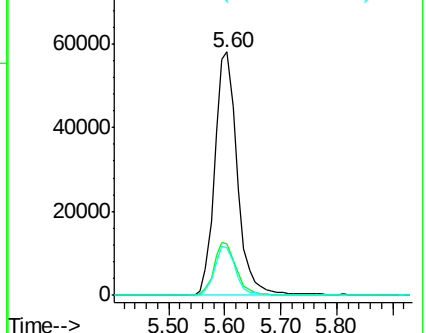
88 19.4 0.0 37.4



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: 49.781 ug/l

RT: 4.12 min Scan# 353

Delta R.T. 0.01 min

Lab File: VF061557.D

Acq: 7 Feb 2019 21:03

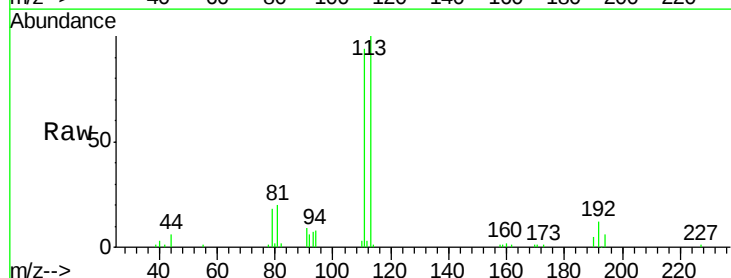
Tgt Ion:113 Resp: 64528

Ion Ratio Lower Upper

113 100

111 93.9 79.4 119.0

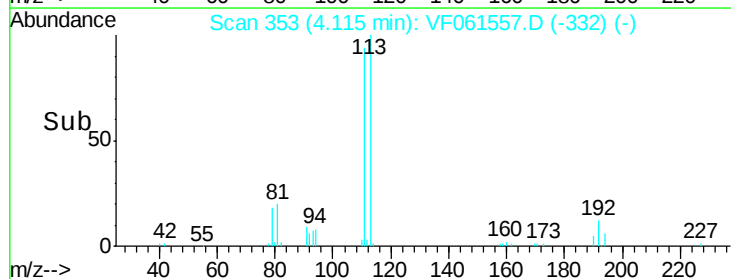
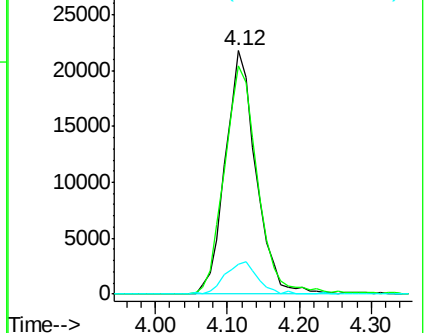
192 12.4 12.4 18.6

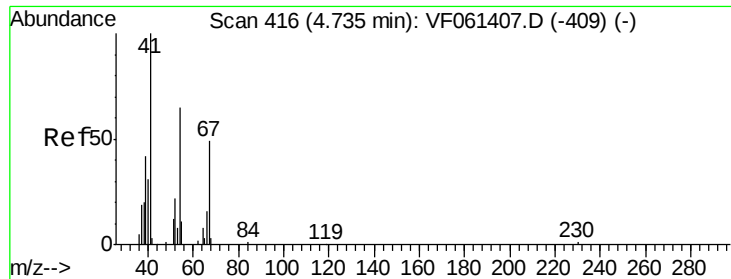


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

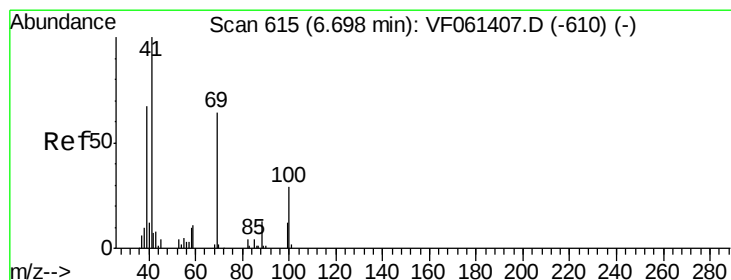
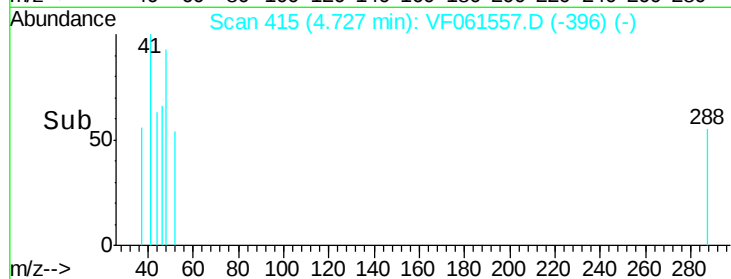
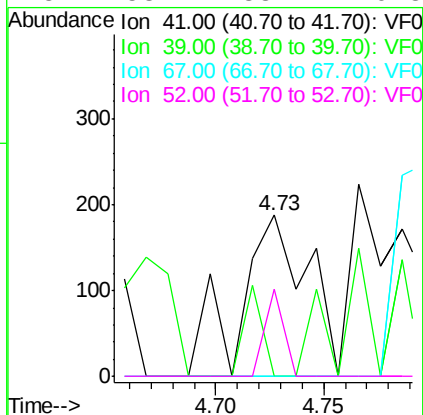
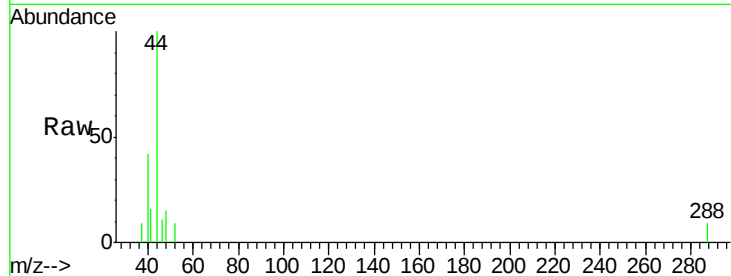




#41
Methacrylonitrile
Concen: 1.015 ug/l
RT: 4.73 min Scan# 415
Delta R.T. -0.01 min
Lab File: VF061557.D
Acq: 7 Feb 2019 21:03

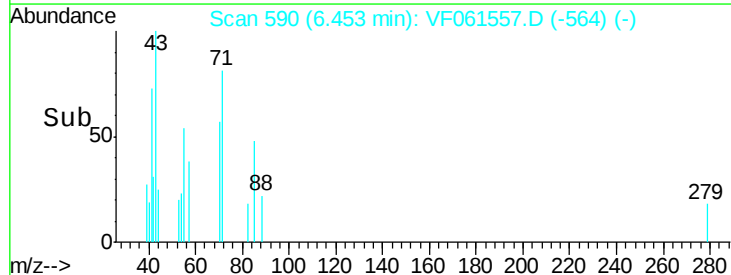
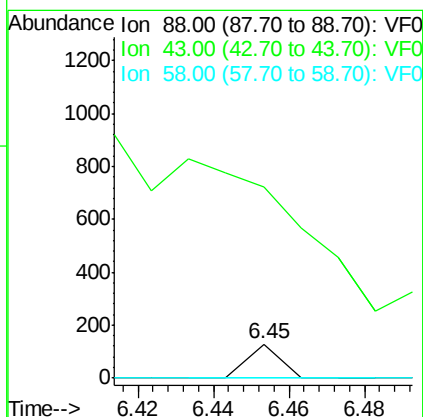
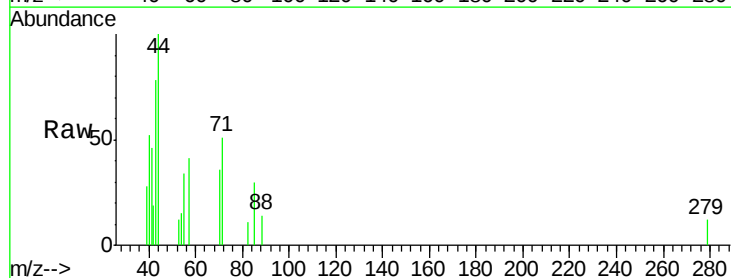
Instrument :
MSVOA_F
ClientSampled :

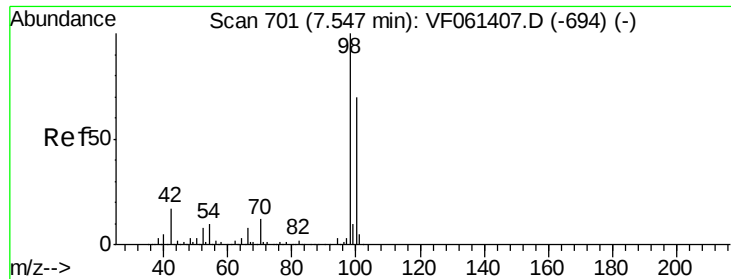
Tot Ion: 41 Resp: 411
Ion Ratio Lower Upper
41 100
39 0.0 43.1 64.7#
67 0.0 38.8 58.2#
52 53.7 33.2 49.8#



#49
1,4-Dioxane
Concen: Below Cal
RT: 6.45 min Scan# 590
Delta R.T. -0.24 min
Lab File: VF061557.D
Acq: 7 Feb 2019 21:03

Tgt Ion: 88 Resp: 75
Ion Ratio Lower Upper
88 100
43 567.7 55.5 83.3#
58 0.0 59.9 89.9#





#50

Toluene-d8

Concen: 42.368 ug/l

RT: 7.56 min Scan# 702

Delta R.T. 0.01 min

Lab File: VF061557.D

Acq: 7 Feb 2019 21:03

Instrument :

MSVOA_F

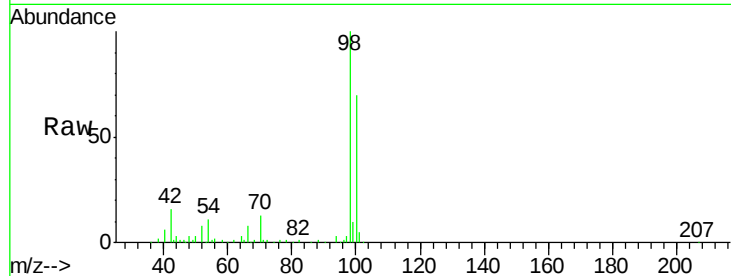
ClientSampleId :

Tot Ion: 98 Resp: 150470

Ion Ratio Lower Upper

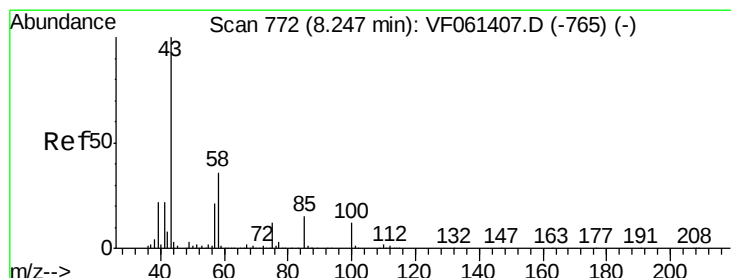
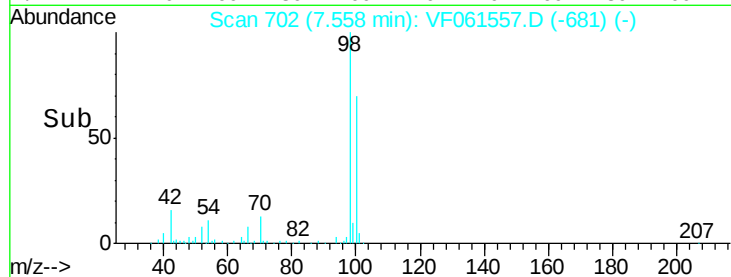
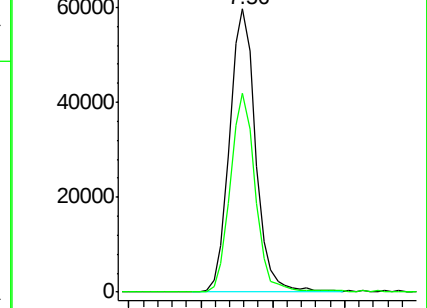
98 100

100 70.2 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#51

4-Methyl-2-Pentanone

Concen: 1.389 ug/l

RT: 8.26 min Scan# 773

Delta R.T. 0.01 min

Lab File: VF061557.D

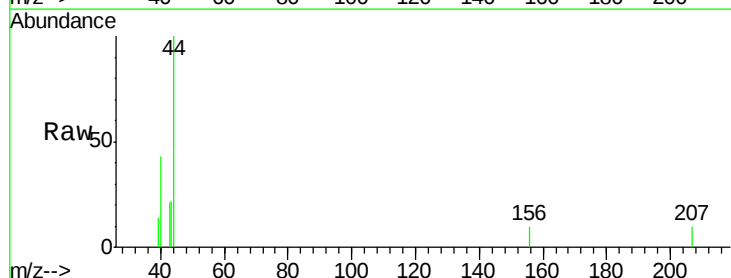
Acq: 7 Feb 2019 21:03

Tgt Ion: 43 Resp: 976

Ion Ratio Lower Upper

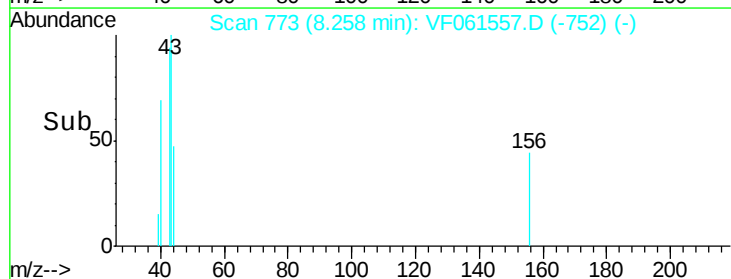
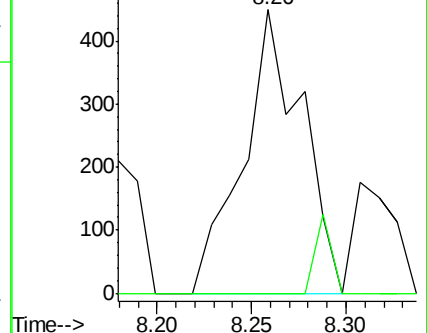
43 100

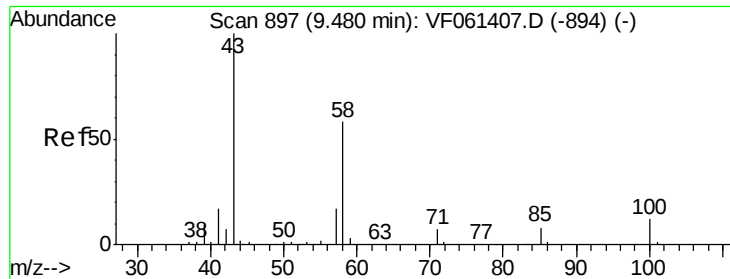
58 0.0 28.8 43.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#59

2-Hexanone

Concen: 2.041 ug/l

RT: 9.51 min Scan# 900

Delta R.T. 0.03 min

Lab File: VF061557.D

Acq: 7 Feb 2019 21:03

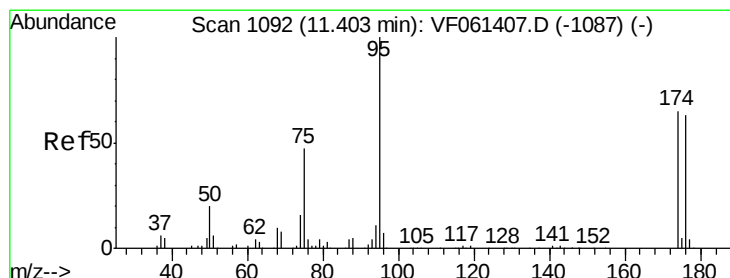
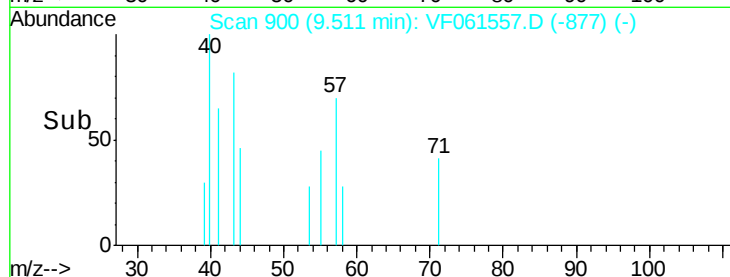
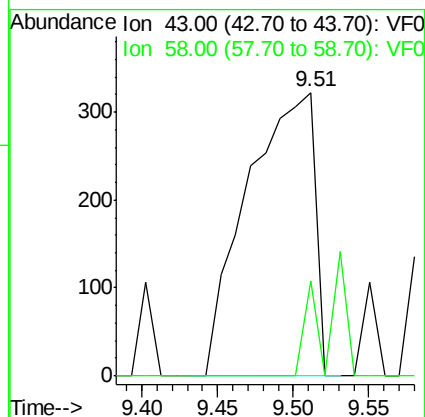
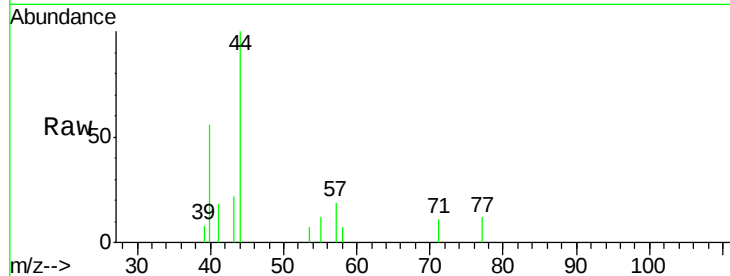
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 1000

Ion Ratio Lower Upper

43 100

58 33.5 25.9 77.6



#62

4-Bromofluorobenzene

Concen: 50.349 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VF061557.D

Acq: 7 Feb 2019 21:03

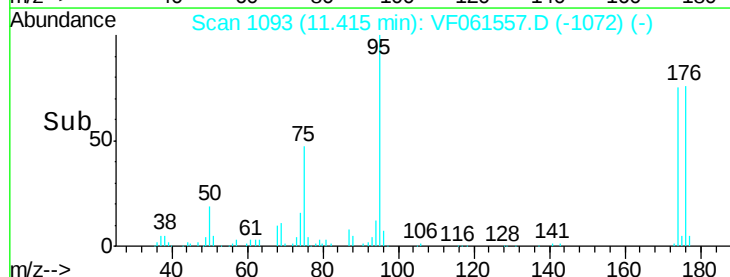
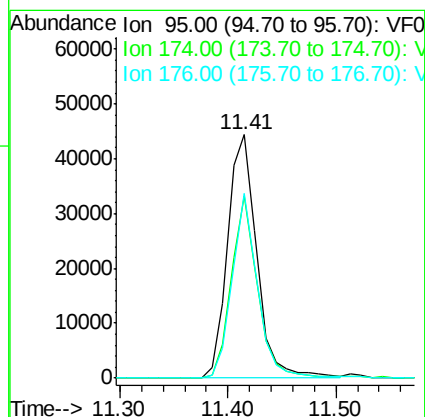
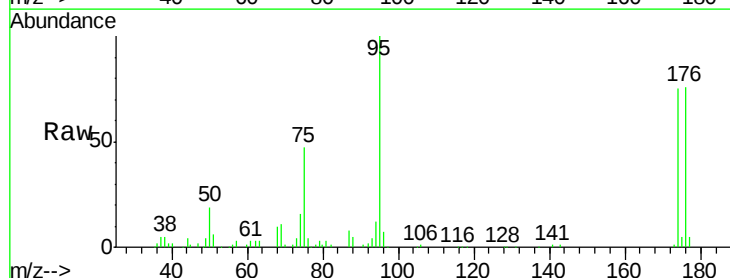
Tgt Ion: 95 Resp: 83546

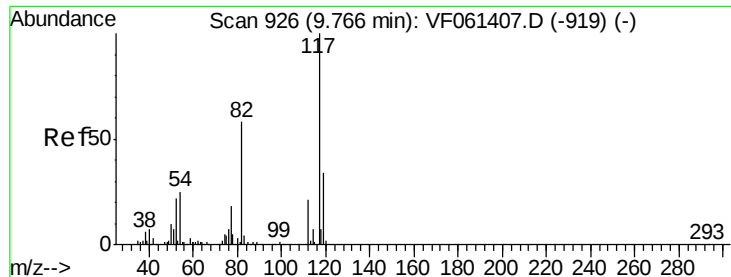
Ion Ratio Lower Upper

95 100

174 74.6 0.0 130.4

176 76.1 0.0 126.2

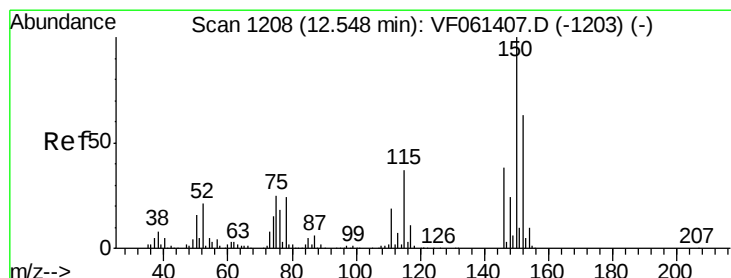
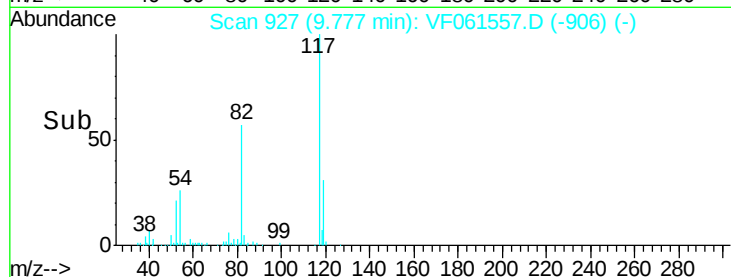
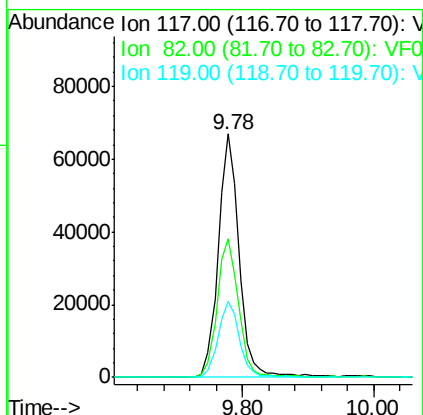
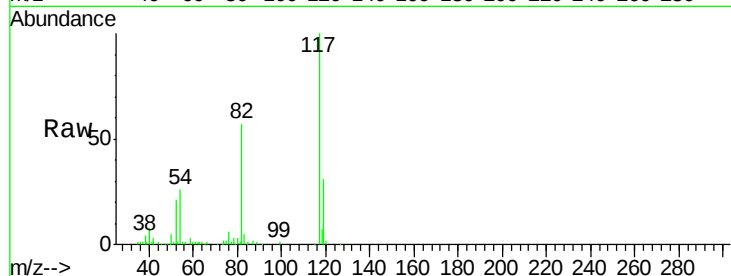




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 927
Delta R.T. 0.01 min
Lab File: VF061557.D
Acq: 7 Feb 2019 21:03

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 148333
Ion Ratio Lower Upper
117 100
82 57.1 46.4 69.6
119 31.0 27.2 40.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VF061557.D
Acq: 7 Feb 2019 21:03

Tgt Ion:152 Resp: 83591
Ion Ratio Lower Upper
152 100
115 66.3 30.0 90.0
150 154.4 0.0 321.4

