

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011619\
 Data File : VF061423.D
 Acq On : 16 Jan 2019 20:38
 Operator : VA/AP
 Sample : K1167-05RE
 Misc : 6.05g/5mL/MSVOA-F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 D-9RE

Quant Time: Jan 17 02:56:48 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	4.86	168	225694	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	396957	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.76	117	350097	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	162008	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	126881	45.53	ug/l	0.00
Spiked Amount			Recovery	=	91.06%	
35) Dibromofluoromethane	4.10	113	141449	45.16	ug/l	0.00
Spiked Amount			Recovery	=	90.32%	
50) Toluene-d8	7.54	98	357812	41.69	ug/l	0.00
Spiked Amount			Recovery	=	83.38%	
62) 4-Bromofluorobenzene	11.40	95	156494	39.03	ug/l	0.00
Spiked Amount			Recovery	=	78.06%	

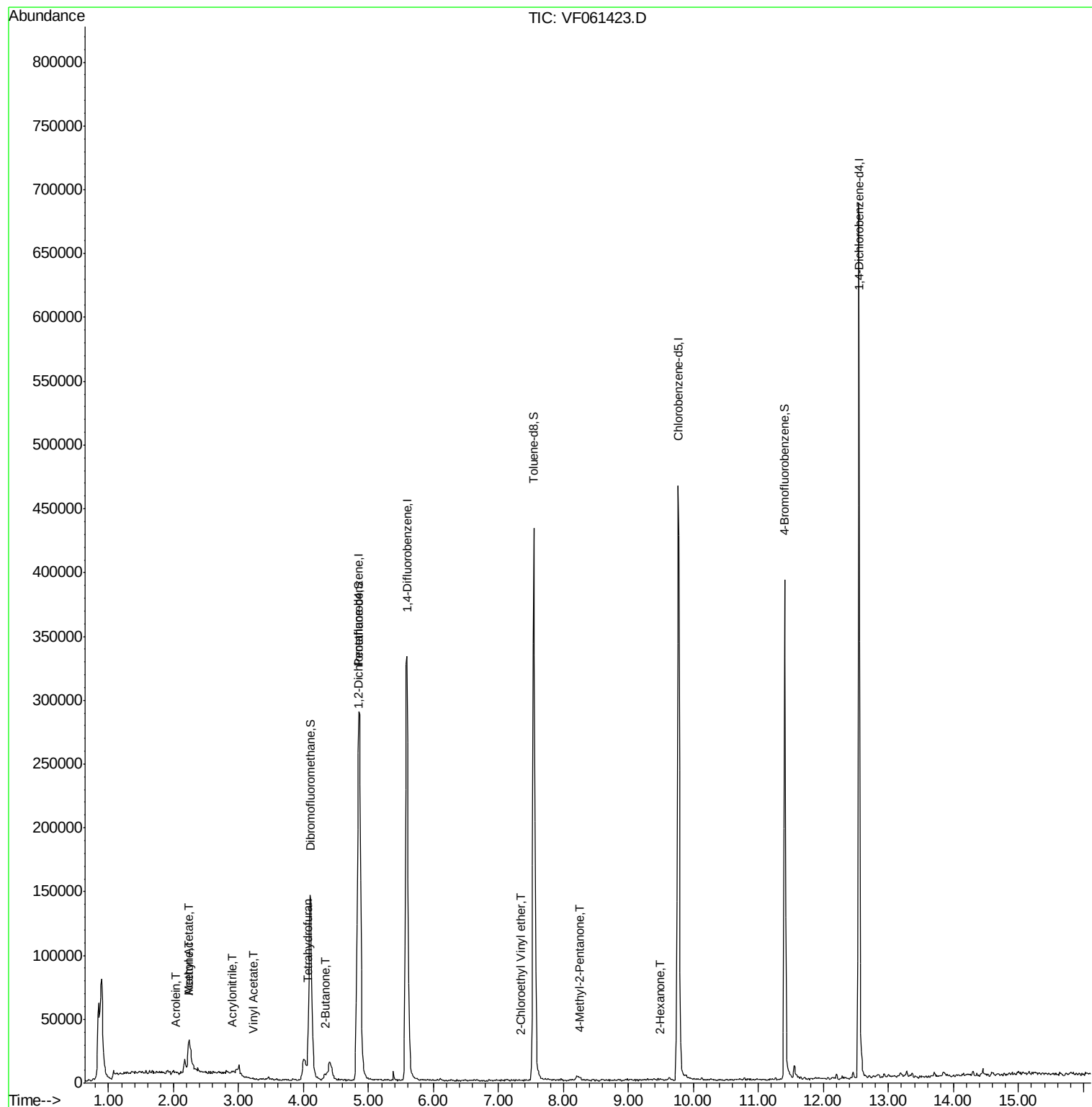
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.03	56	678	16.735	ug/l	93
14) Allyl chloride	2.12	41	357	Below Cal	#	59
15) Acrylonitrile	2.89	53	389	1.288	ug/l #	26
16) Acetone	2.24	43	31815	56.914	ug/l	94
18) Methyl Acetate	2.24	43	31815	28.699	ug/l #	61
23) Vinyl Acetate	3.22	43	503	3.352	ug/l #	78
25) 2-Butanone	4.33	43	9287	9.990	ug/l	98
29) Tetrahydrofuran	4.06	42	971	2.426	ug/l #	64
49) 1,4-Dioxane	7.12	88	60	Below Cal	#	1
51) 4-Methyl-2-Pentanone	8.25	43	2220	1.308	ug/l #	87
58) 2-Chloroethyl Vinyl ether	7.36	63	73	27.796	ug/l #	47
59) 2-Hexanone	9.49	43	1628	1.375	ug/l	98

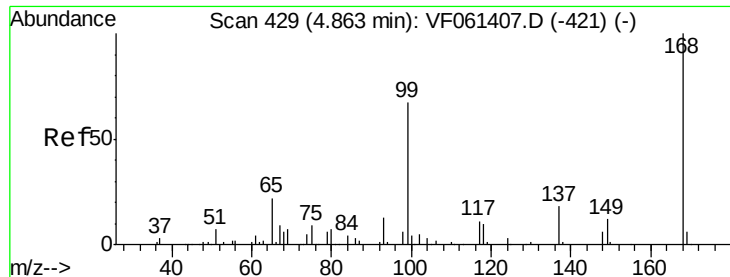
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF011619\
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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: 4.86 min Scan# 429

Delta R.T. -0.00 min

Lab File: VF061423.D

Acq: 16 Jan 2019 20:38

Instrument :

MSVOA_F

ClientSampleId :

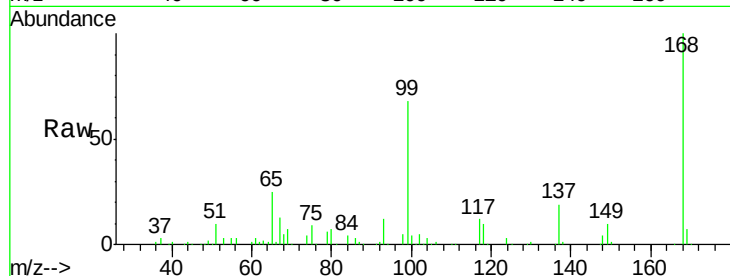
D-9RE

Tot Ion:168 Resp: 225694

Ion Ratio Lower Upper

168 100

99 68.1 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

80000

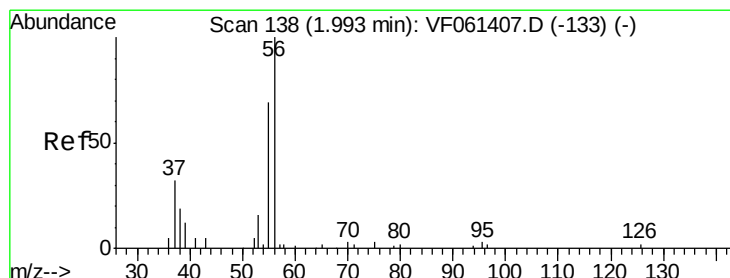
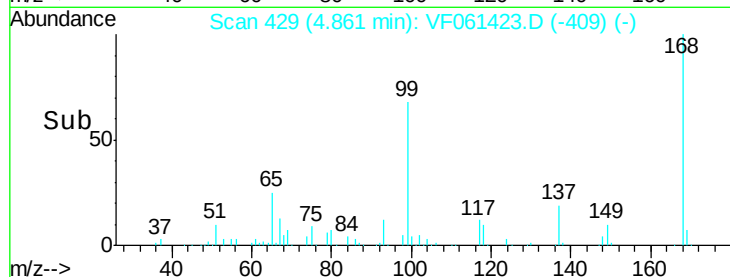
60000

40000

20000

0

Time-->



#13

Acrolein

Concen: 16.735 ug/l

RT: 2.03 min Scan# 142

Delta R.T. 0.04 min

Lab File: VF061423.D

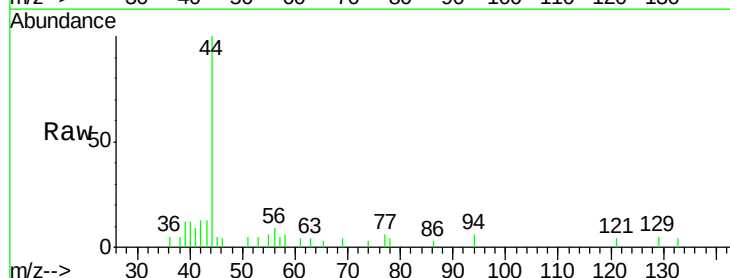
Acq: 16 Jan 2019 20:38

Tgt Ion: 56 Resp: 678

Ion Ratio Lower Upper

56 100

55 65.8 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.03

400

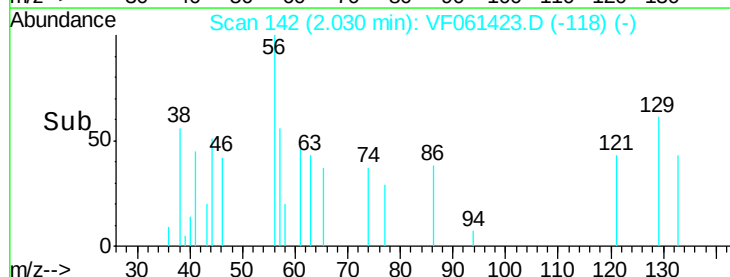
300

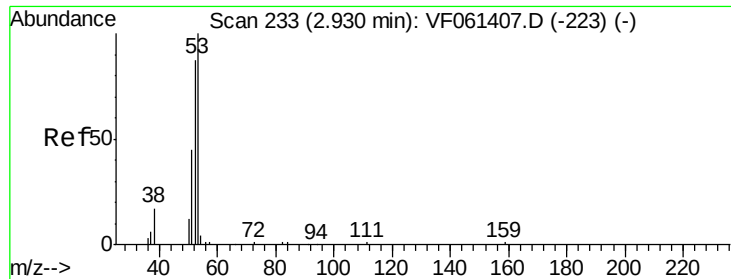
200

100

0

Time-->





#15

Acrylonitrile

Concen: 1.288 ug/l

RT: 2.89 min Scan# 229

Delta R.T. -0.04 min

Lab File: VF061423.D

Acq: 16 Jan 2019 20:38

Instrument :

MSVOA_F

ClientSampleId :

D-9RE

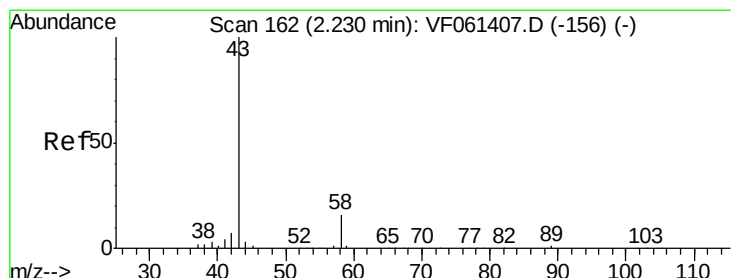
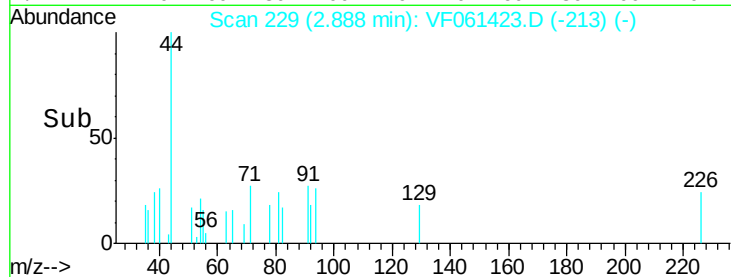
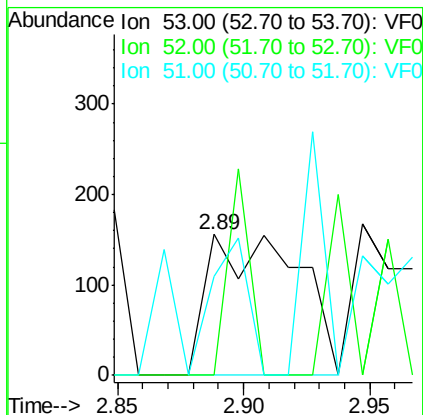
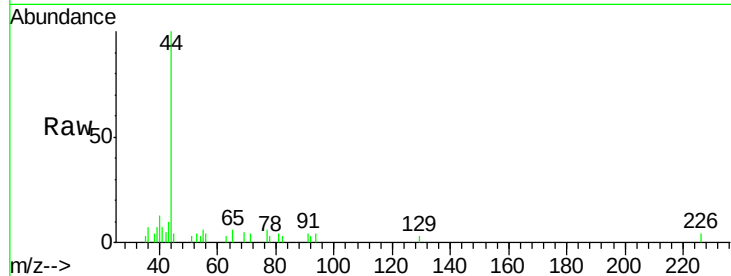
Tot Ion: 53 Resp: 389

Ion Ratio Lower Upper

53 100

52 0.0 69.6 104.4#

51 70.5 36.8 55.2#



#16

Acetone

Concen: 56.914 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.01 min

Lab File: VF061423.D

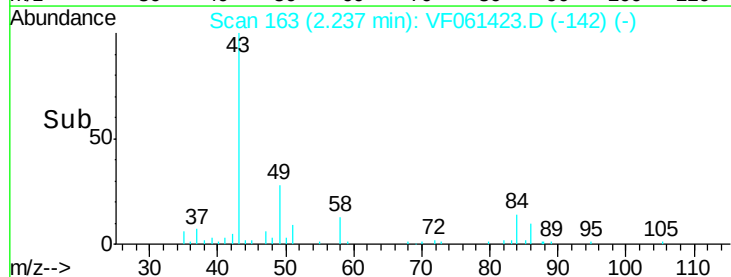
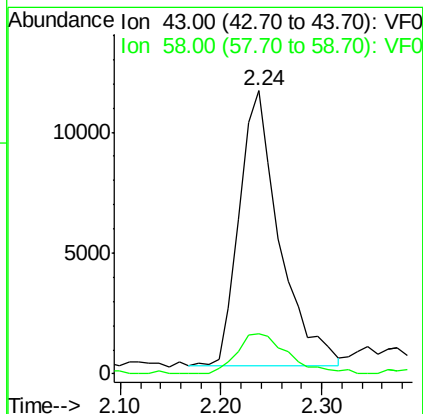
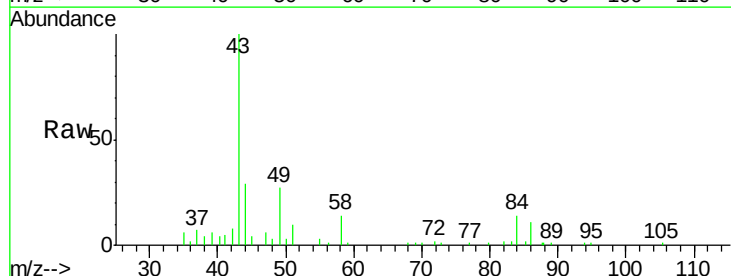
Acq: 16 Jan 2019 20:38

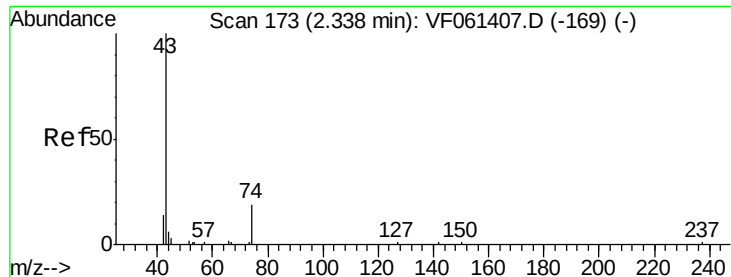
Tgt Ion: 43 Resp: 31815

Ion Ratio Lower Upper

43 100

58 14.2 13.3 19.9

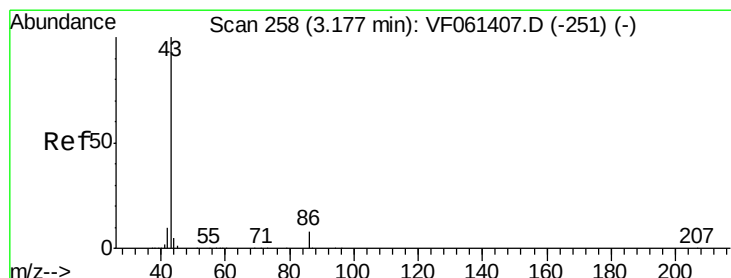
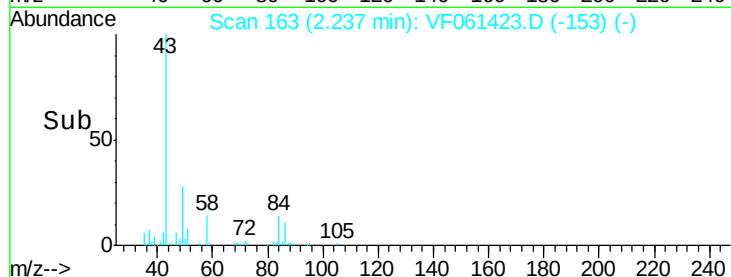
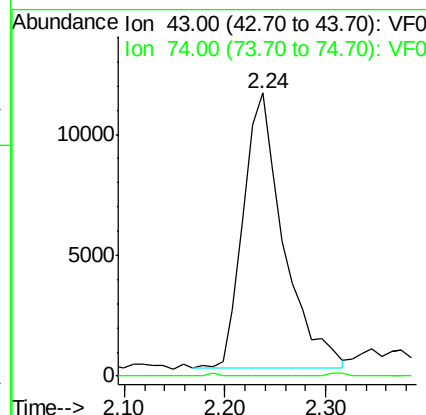
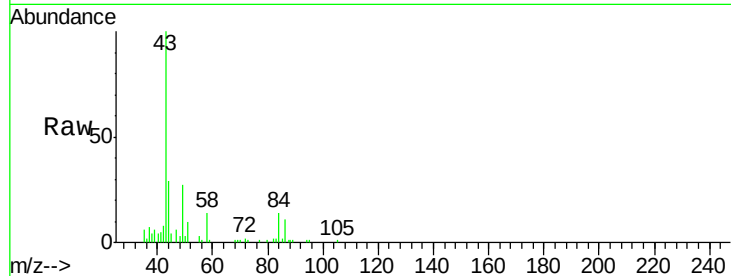




#18
Methvl Acetate
Concen: 28.699 ug/l
RT: 2.24 min Scan# 163
Delta R.T. -0.10 min
Lab File: VF061423.D
Acq: 16 Jan 2019 20:38

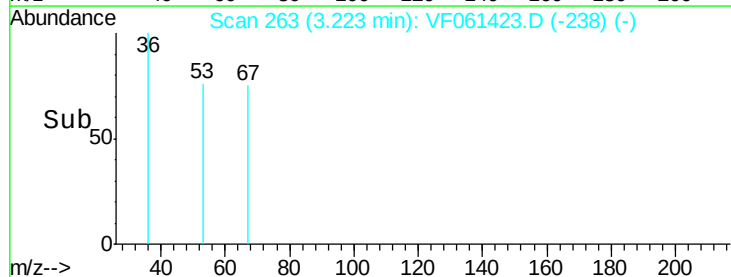
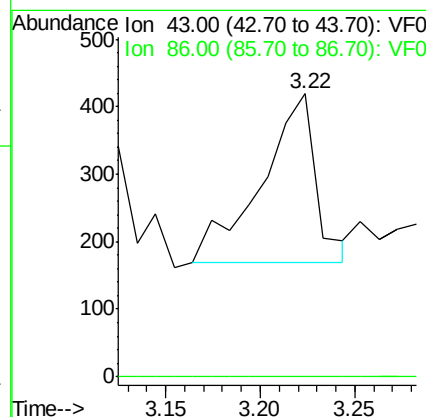
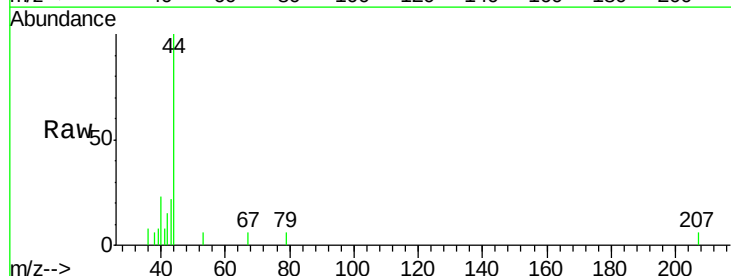
Instrument :
MSVOA_F
ClientSampleId :
D-9RE

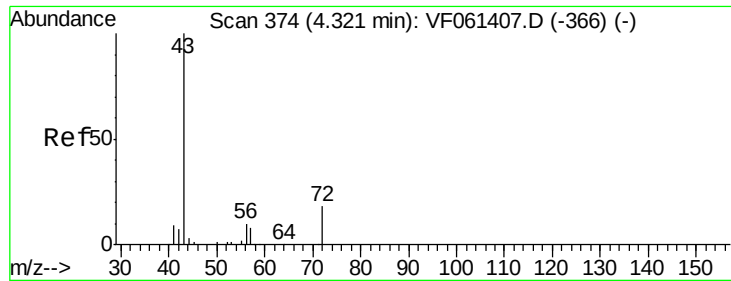
Tot Ion: 43 Resp: 31815
Ion Ratio Lower Upper
43 100
74 0.0 13.4 20.0#



#23
Vinyl Acetate
Concen: 3.352 ug/l
RT: 3.22 min Scan# 263
Delta R.T. 0.05 min
Lab File: VF061423.D
Acq: 16 Jan 2019 20:38

Tgt Ion: 43 Resp: 503
Ion Ratio Lower Upper
43 100
86 0.0 6.2 9.4#





#25

2-Butanone

Concen: 9.990 ug/l

RT: 4.33 min Scan# 375

Delta R.T. 0.01 min

Lab File: VF061423.D

Acq: 16 Jan 2019 20:38

Instrument :

MSVOA_F

ClientSampleId :

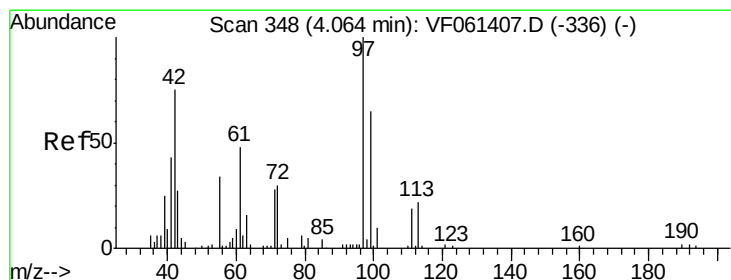
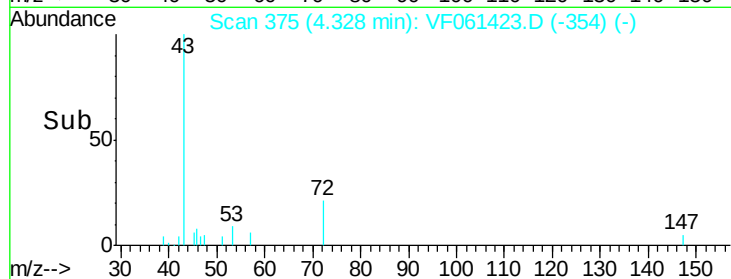
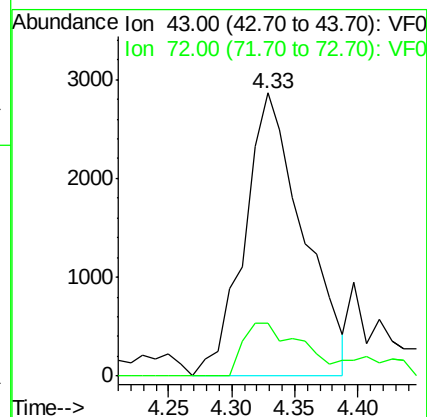
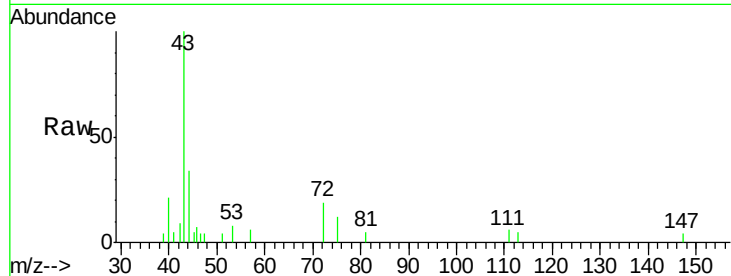
D-9RE

Tot Ion: 43 Resp: 9287

Ion Ratio Lower Upper

43 100

72 18.8 15.8 23.6



#29

Tetrahydrofuran

Concen: 2.426 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.00 min

Lab File: VF061423.D

Acq: 16 Jan 2019 20:38

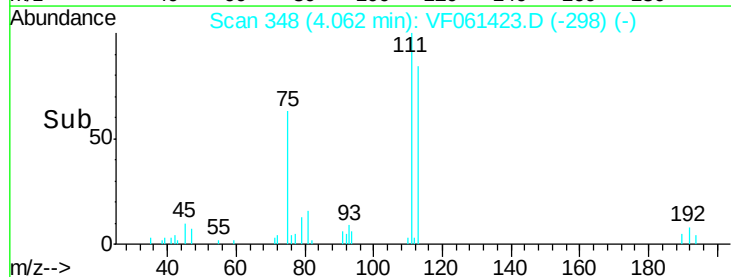
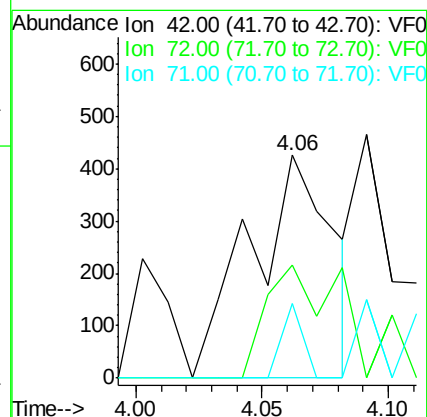
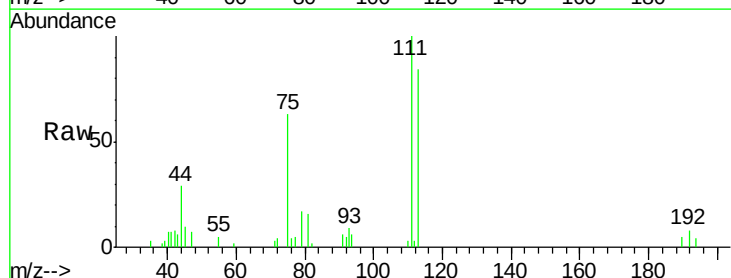
Tgt Ion: 42 Resp: 971

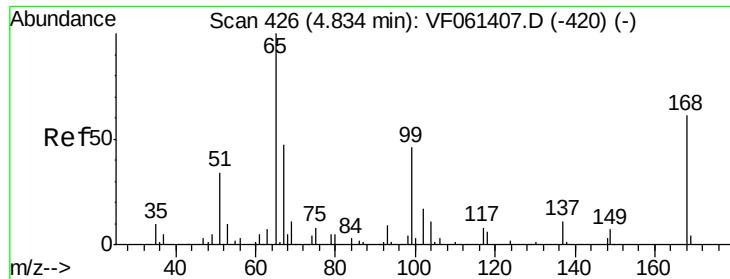
Ion Ratio Lower Upper

42 100

72 50.3 28.9 43.3#

71 8.8 29.6 44.4#

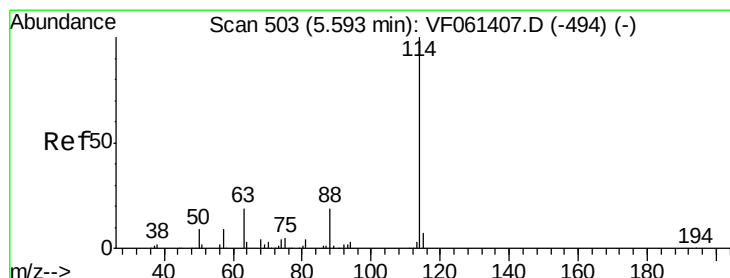
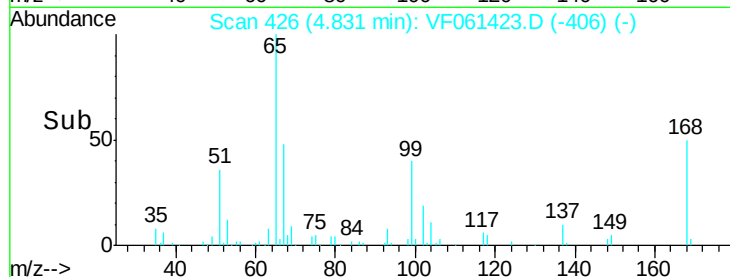
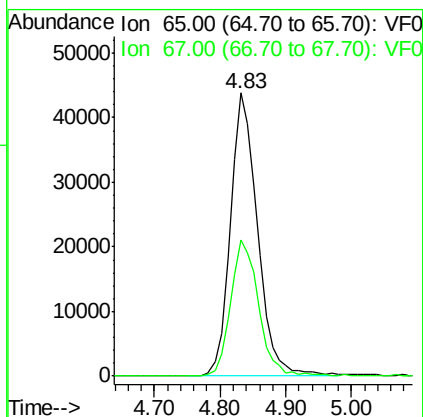
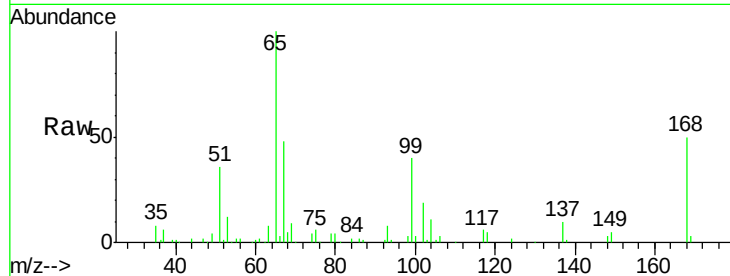




#33
 1,2-Dichloroethane-d4
 Concen: 45.534 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.00 min
 Lab File: VF061423.D
 Acq: 16 Jan 2019 20:38

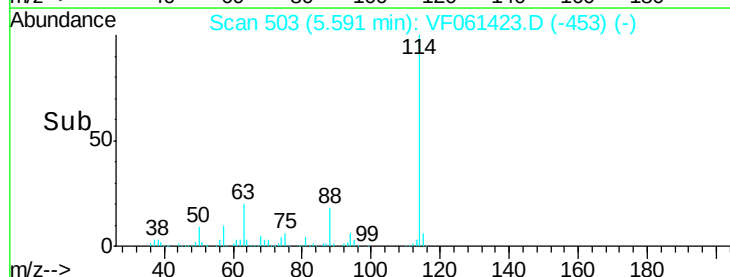
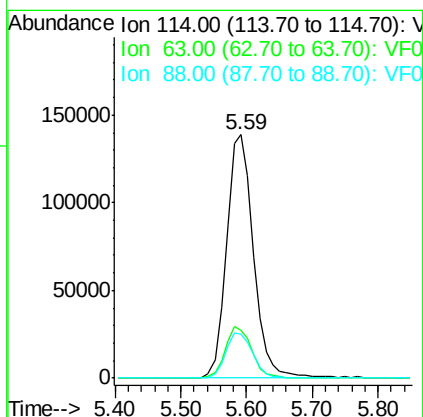
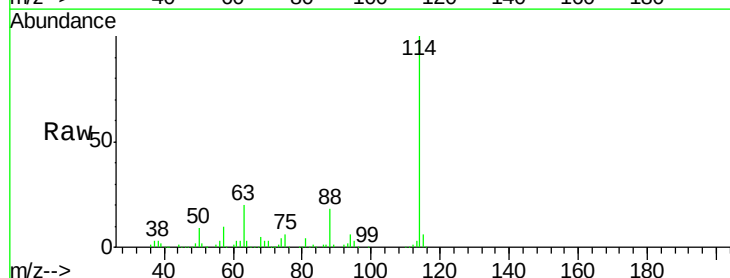
Instrument :
 MSVOA_F
 ClientSampleId :
 D-9RE

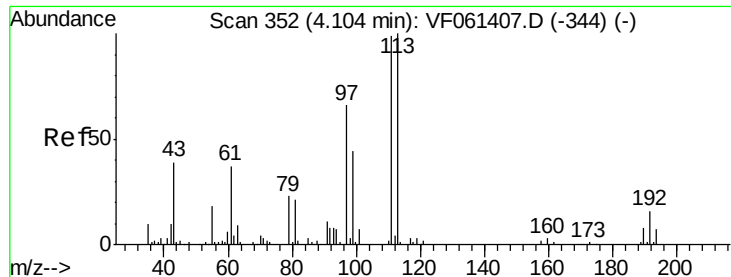
Tot Ion: 65 Resp: 126881
 Ion Ratio Lower Upper
 65 100
 67 48.0 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VF061423.D
 Acq: 16 Jan 2019 20:38

Tgt Ion: 114 Resp: 396957
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.0
 88 18.1 0.0 37.4





#35

Dibromofluoromethane

Concen: 45.158 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.00 min

Lab File: VF061423.D

Acq: 16 Jan 2019 20:38

Instrument :

MSVOA_F

ClientSampleId :

D-9RE

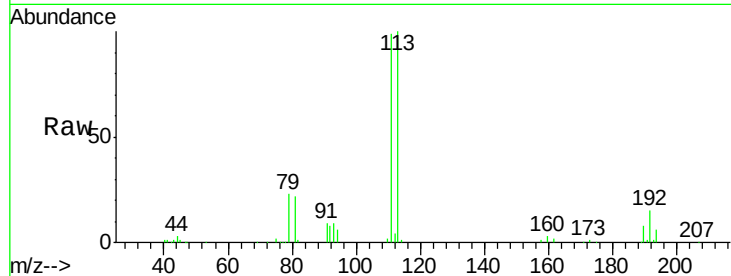
Tot Ion:113 Resp: 141449

Ion Ratio Lower Upper

113 100

111 99.1 79.4 119.0

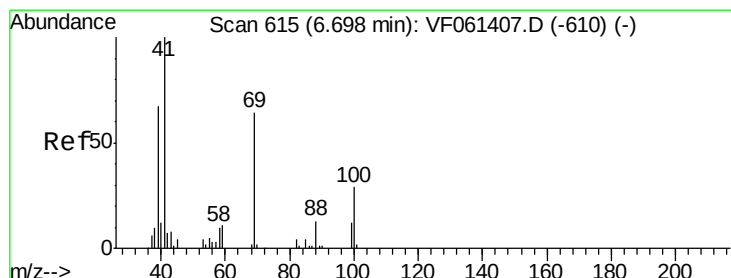
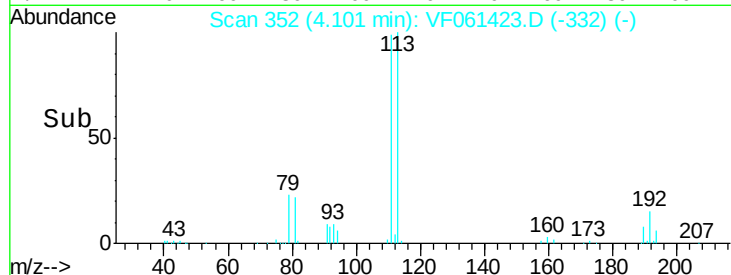
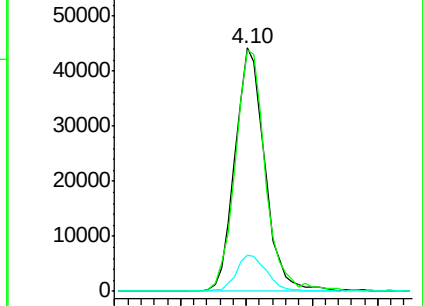
192 15.4 12.4 18.6



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



#49

1,4-Dioxane

Concen: Below Cal

RT: 7.12 min Scan# 658

Delta R.T. 0.42 min

Lab File: VF061423.D

Acq: 16 Jan 2019 20:38

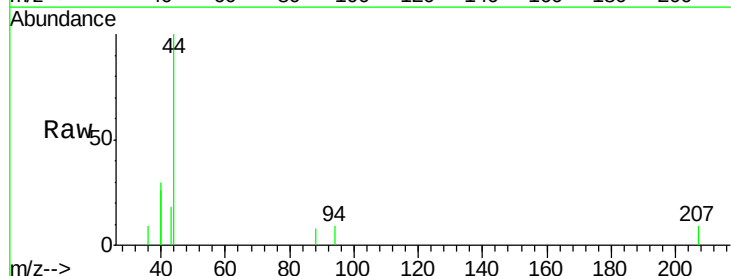
Tgt Ion: 88 Resp: 60

Ion Ratio Lower Upper

88 100

43 231.4 55.5 83.3#

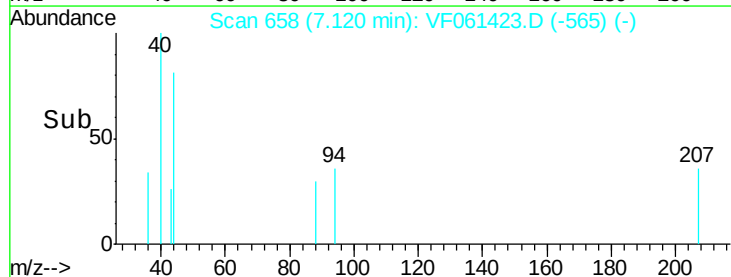
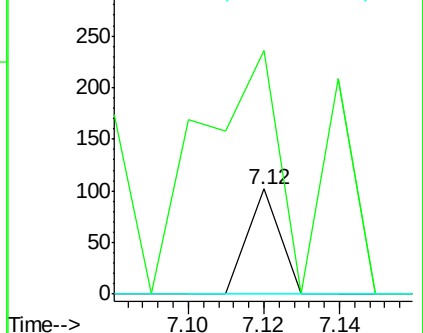
58 0.0 59.9 89.9#

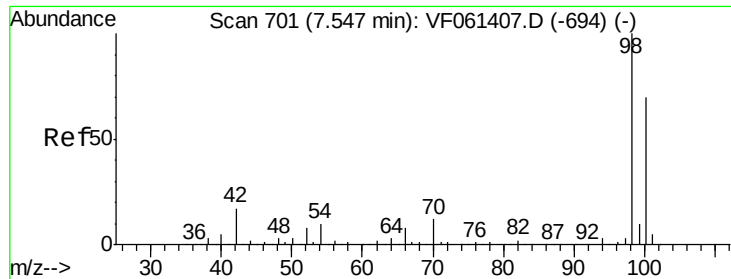


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

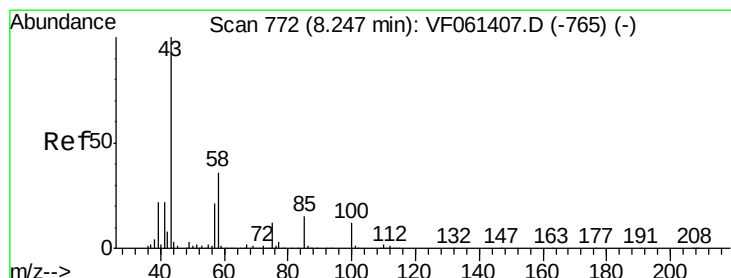
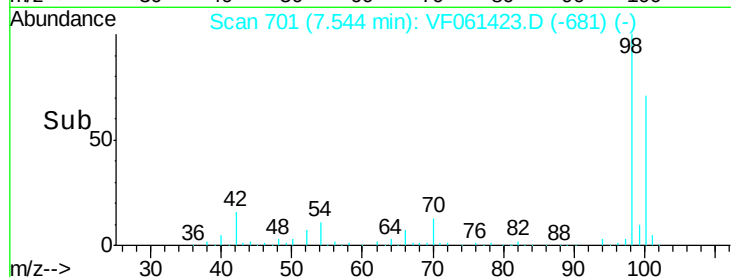
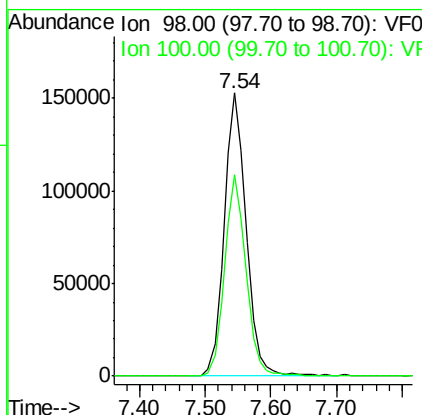
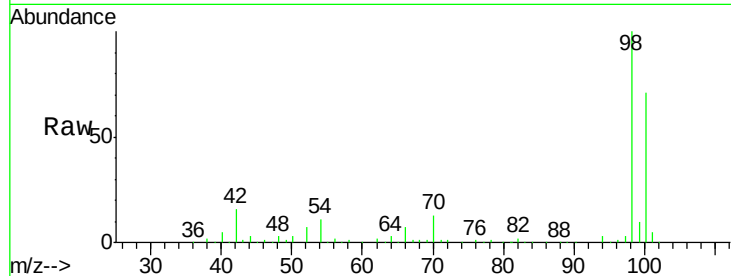




#50
Toluene-d8
Concen: 41.693 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.00 min
Lab File: VF061423.D
Acq: 16 Jan 2019 20:38

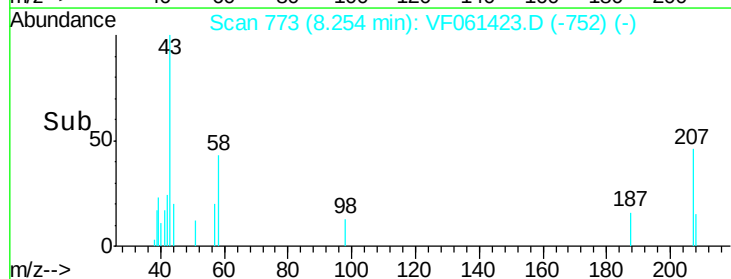
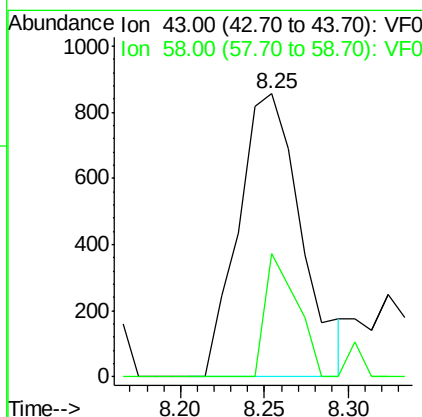
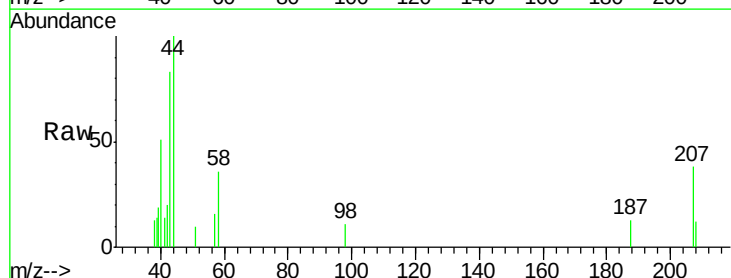
Instrument :
MSVOA_F
ClientSampleId :
D-9RE

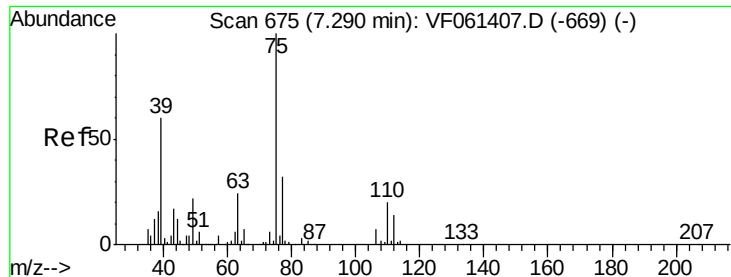
Tot Ion: 98 Resp: 357812
Ion Ratio Lower Upper
98 100
100 71.3 55.6 83.4



#51
4-Methyl-2-Pentanone
Concen: 1.308 ug/l
RT: 8.25 min Scan# 773
Delta R.T. 0.01 min
Lab File: VF061423.D
Acq: 16 Jan 2019 20:38

Tgt Ion: 43 Resp: 2220
Ion Ratio Lower Upper
43 100
58 43.5 28.8 43.2#





#58

2-Chloroethyl Vinyl ether

Concen: 27.796 ug/l

RT: 7.36 min Scan# 682

Delta R.T. 0.07 min

Lab File: VF061423.D

Acq: 16 Jan 2019 20:38

Instrument :

MSVOA_F

ClientSampled :

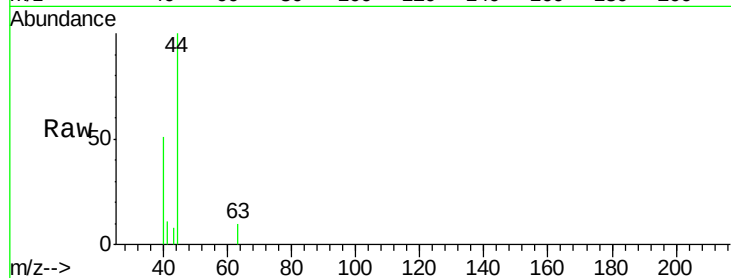
D-9RE

Tot Ion: 63 Resp: 73

Ion Ratio Lower Upper

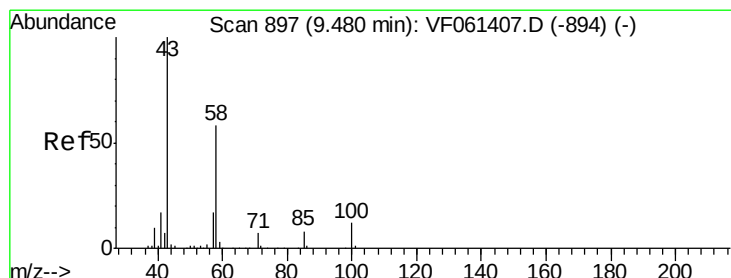
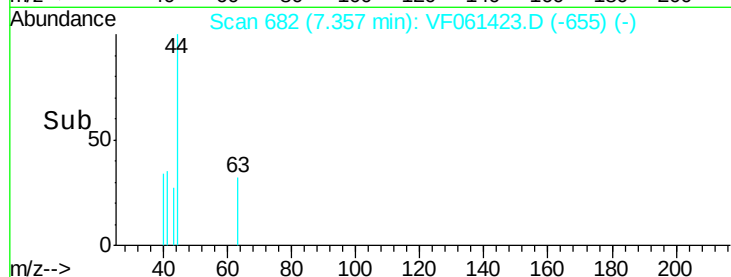
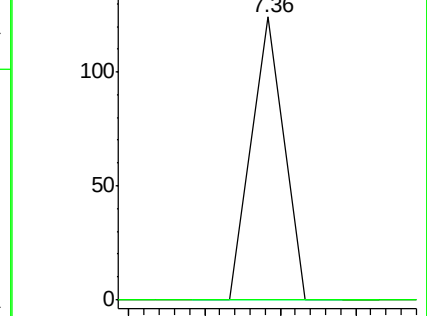
63 100

106 0.0 21.9 32.9#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V



#59

2-Hexanone

Concen: 1.375 ug/l

RT: 9.49 min Scan# 898

Delta R.T. 0.01 min

Lab File: VF061423.D

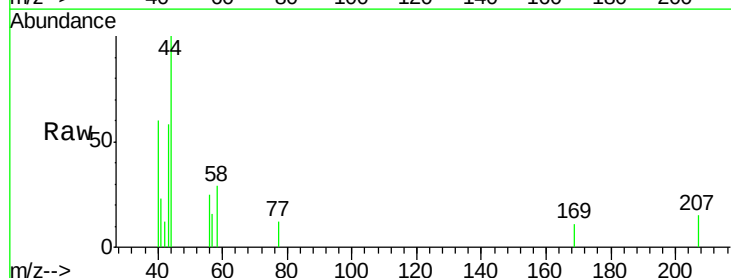
Acq: 16 Jan 2019 20:38

Tgt Ion: 43 Resp: 1628

Ion Ratio Lower Upper

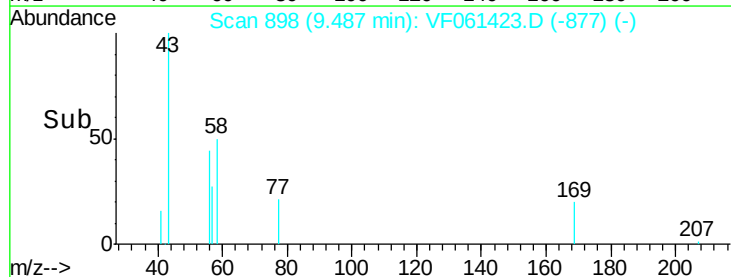
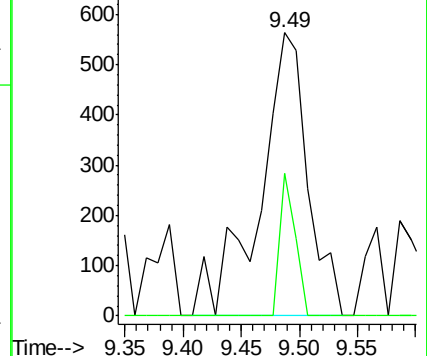
43 100

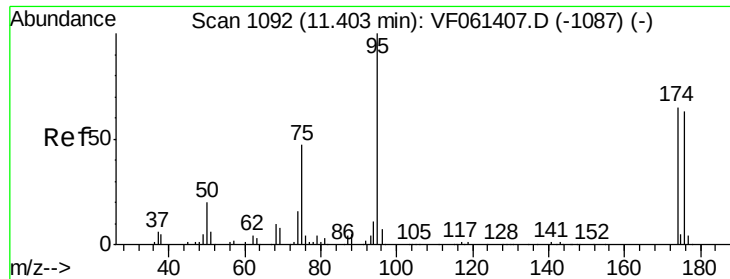
58 50.4 25.9 77.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 39.028 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VF061423.D

Acq: 16 Jan 2019 20:38

Instrument :

MSVOA_F

ClientSampled :

D-9RE

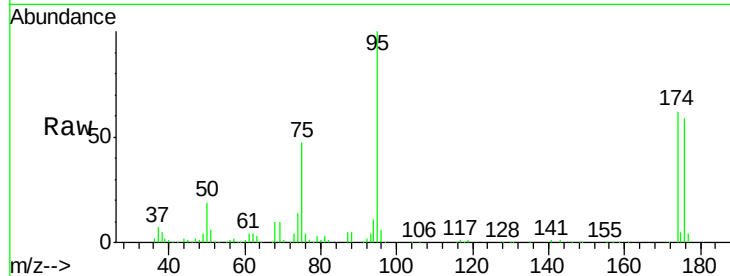
Tot Ion: 95 Resp: 156494

Ion Ratio Lower Upper

95 100

174 61.7 0.0 130.4

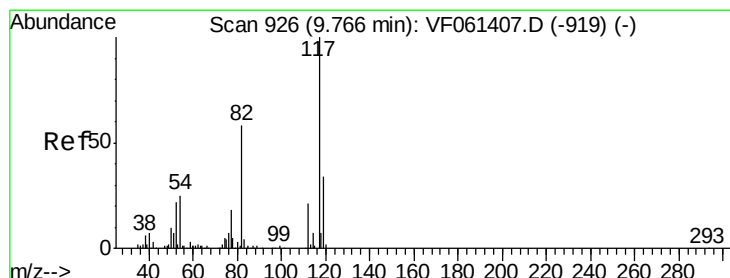
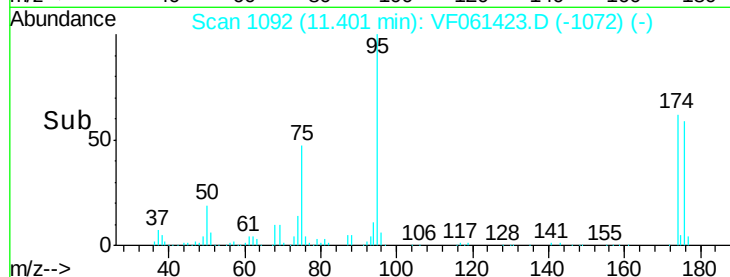
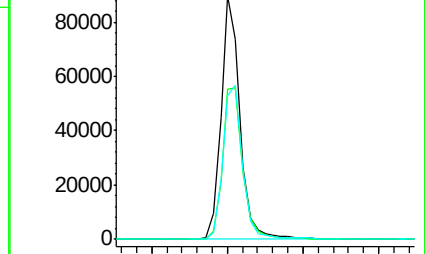
176 59.3 0.0 126.2



Abundance Ion 95.00 (94.70 to 95.70): VF061407.D (-1087) (-)

Ion 174.00 (173.70 to 174.70): VF061407.D (-1087) (-)

Ion 176.00 (175.70 to 176.70): VF061407.D (-1087) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.76 min Scan# 926

Delta R.T. -0.00 min

Lab File: VF061423.D

Acq: 16 Jan 2019 20:38

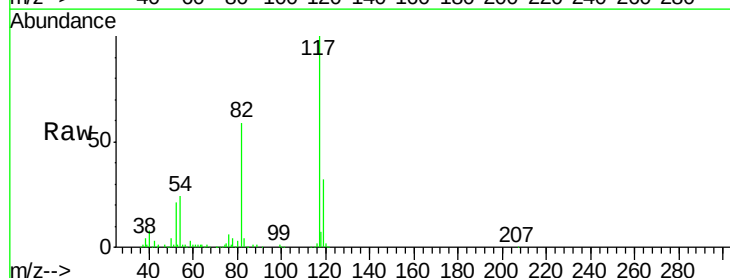
Tgt Ion: 117 Resp: 350097

Ion Ratio Lower Upper

117 100

82 59.4 46.4 69.6

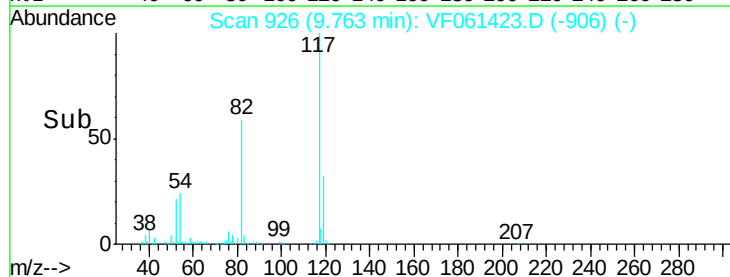
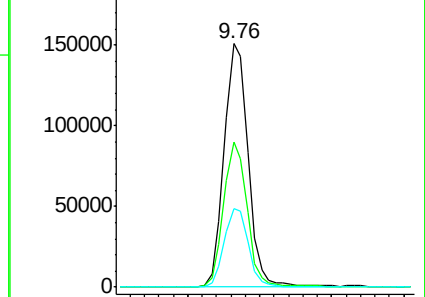
119 32.3 27.2 40.8

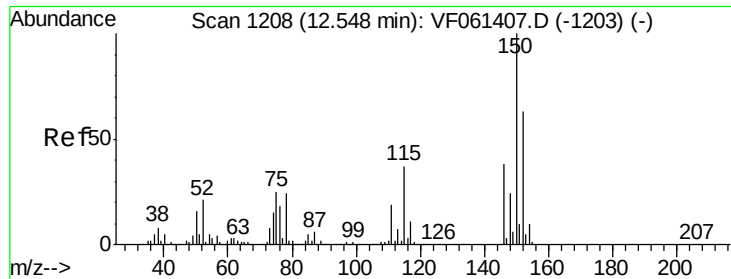


Abundance Ion 117.00 (116.70 to 117.70): VF061407.D (-919) (-)

Ion 82.00 (81.70 to 82.70): VF061407.D (-919) (-)

Ion 119.00 (118.70 to 119.70): VF061407.D (-919) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF061423.D

Acq: 16 Jan 2019 20:38

Instrument :

MSVOA_F

ClientSampleId :

D-9RE

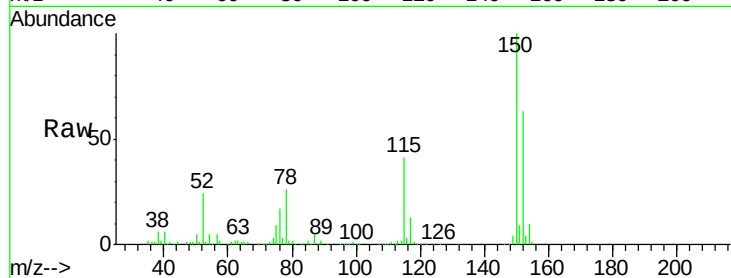
Tot Ion:152 Resp: 162008

Ion Ratio Lower Upper

152 100

115 64.3 30.0 90.0

150 158.3 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

