

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082018\
 Data File : VF060014.D
 Acq On : 20 Aug 2018 20:47
 Operator : VA/AP
 Sample : J4499-11
 Misc : 5.03g/5mL/MSVOA F/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 DUP(0-1)

Quant Time: Aug 21 04:29:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:11:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	162862	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	258746	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	263403	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	116606	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	144903	46.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.18%	
35) Dibromofluoromethane	4.29	113	135212	51.13	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	102.26%	
50) Toluene-d8	7.71	98	301454	51.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.52%	
62) 4-Bromofluorobenzene	11.52	95	132400	36.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	73.38%	

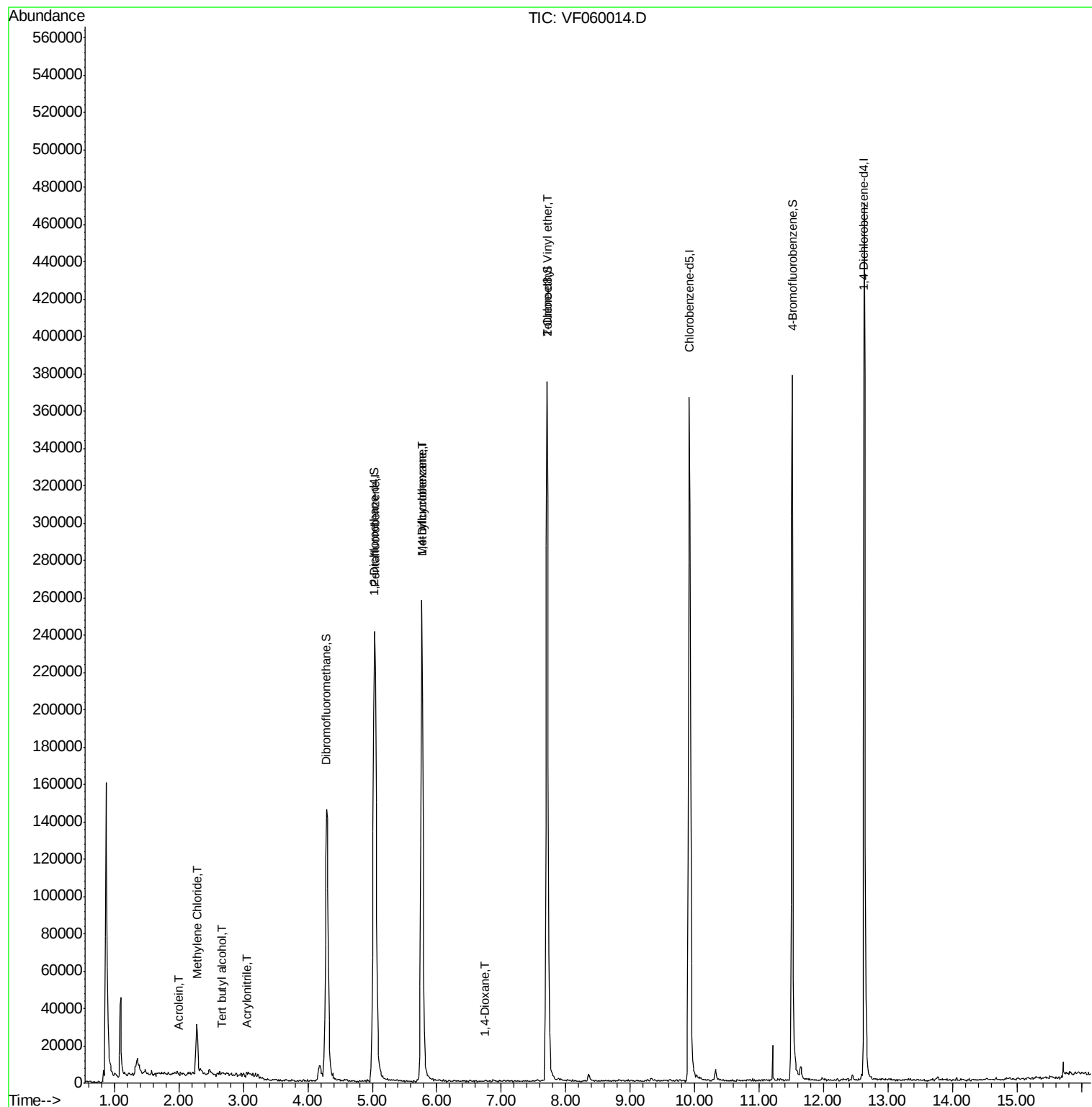
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.10	50	2031	Below Cal	#	70
5) Bromomethane	1.32	94	816	Below Cal		93
11) Tert butyl alcohol	2.66	59	274	1.50	ug/l #	76
13) Acrolein	2.00	56	95	13.51	ug/l	97
15) Acrylonitrile	3.06	53	326	1.10	ug/l #	33
16) Acetone	2.34	43	2010	Below Cal		97
18) Methyl Acetate	2.46	43	1464	Below Cal	#	63
20) Methylene Chloride	2.28	84	12139	3.16	ug/l	92
39) Methylcyclohexane	5.77	83	4649	2.10	ug/l #	34
49) 1,4-Dioxane	6.75	88	89	64.55	ug/l #	25
58) 2-Chloroethyl Vinyl ether	7.71	63	229	1.57	ug/l	100

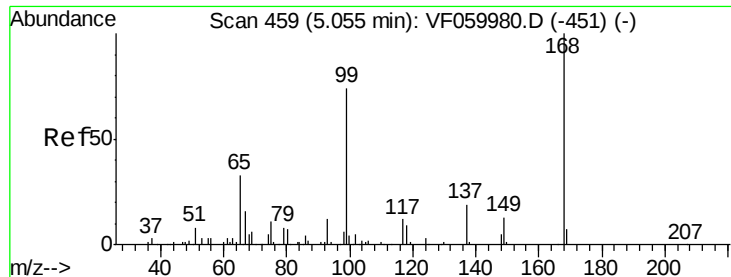
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:11:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.00 min

Lab File: VF060014.D

Acq: 20 Aug 2018 20:47

Instrument :

MSVOA_F

ClientSampleId :

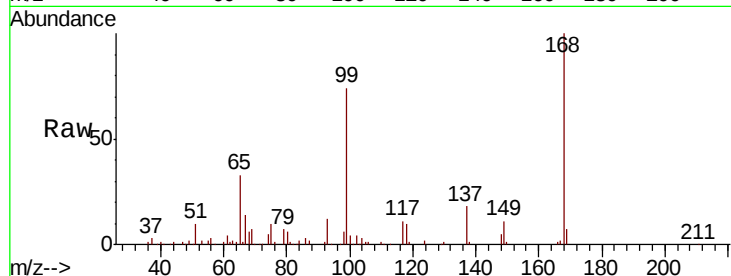
DUP(0-1)

Tot Ion:168 Resp: 162862

Ion Ratio Lower Upper

168 100

99 73.9 59.0 88.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

60000

50000

40000

30000

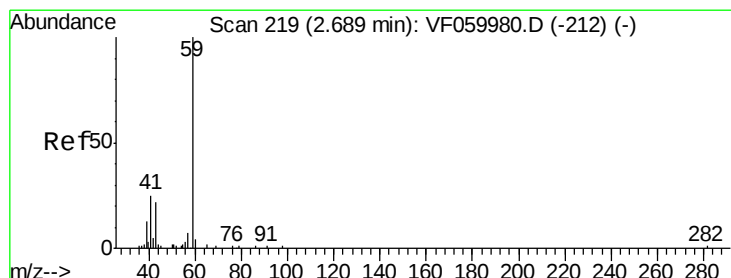
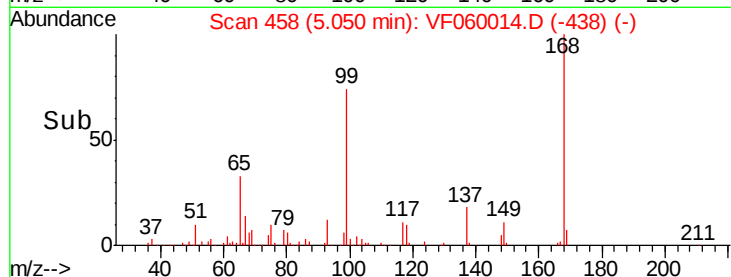
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#11

Tert butyl alcohol

Concen: 1.50 ug/l

RT: 2.66 min Scan# 216

Delta R.T. -0.02 min

Lab File: VF060014.D

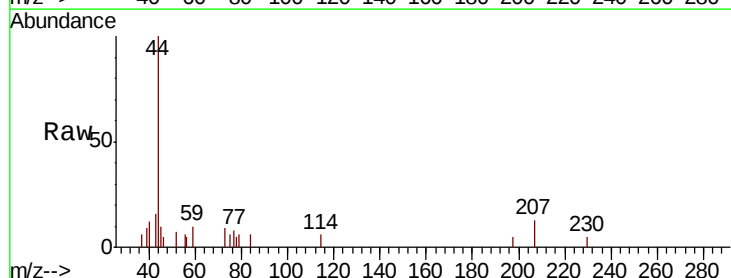
Acq: 20 Aug 2018 20:47

Tgt Ion: 59 Resp: 274

Ion Ratio Lower Upper

59 100

57 0.0 6.8 10.2#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.66

250

200

150

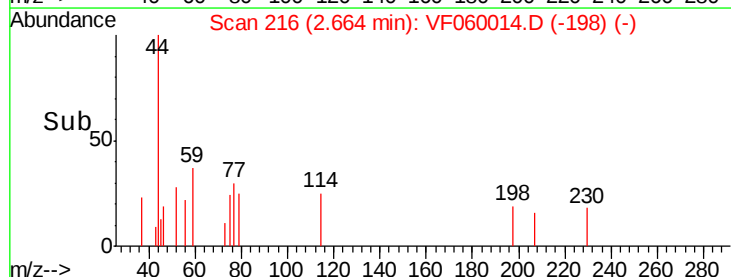
100

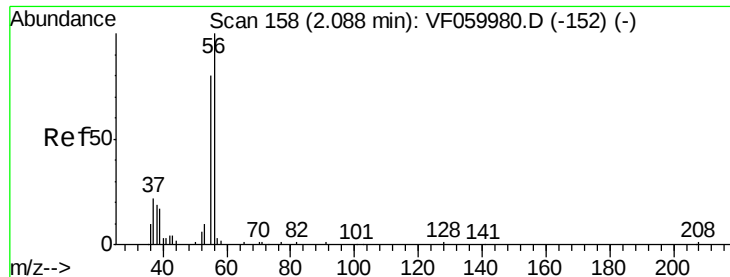
50

0

Time-->

2.65 2.70





#13

Acrolein

Concen: 13.51 ug/l

RT: 2.00 min Scan# 149

Delta R.T. -0.08 min

Lab File: VF060014.D

Acq: 20 Aug 2018 20:47

Instrument :

MSVOA_F

ClientSampleId :

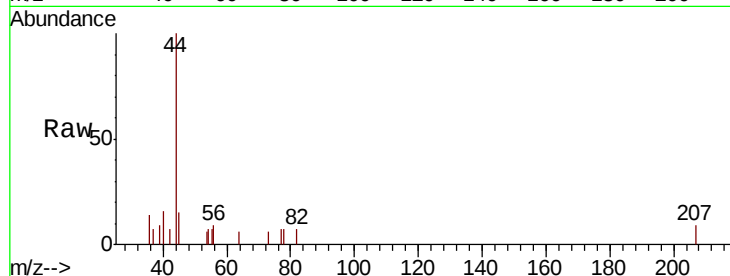
DUP(0-1)

Tot Ion: 56 Resp: 95

Ion Ratio Lower Upper

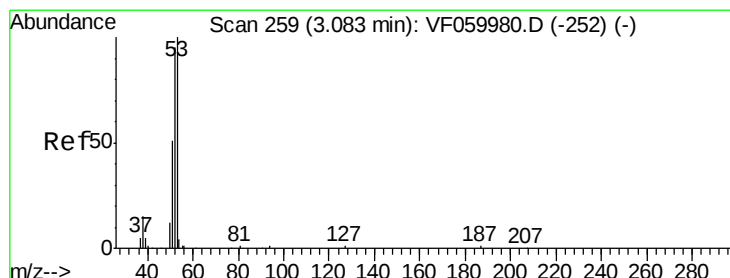
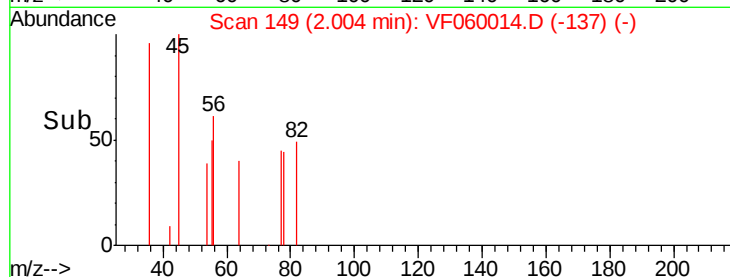
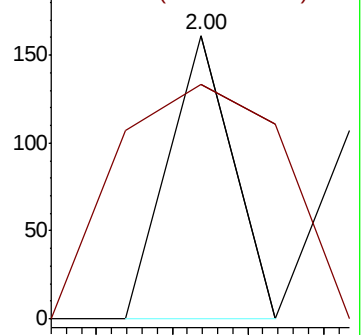
56 100

55 82.6 63.8 95.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#15

Acrylonitrile

Concen: 1.10 ug/l

RT: 3.06 min Scan# 256

Delta R.T. -0.02 min

Lab File: VF060014.D

Acq: 20 Aug 2018 20:47

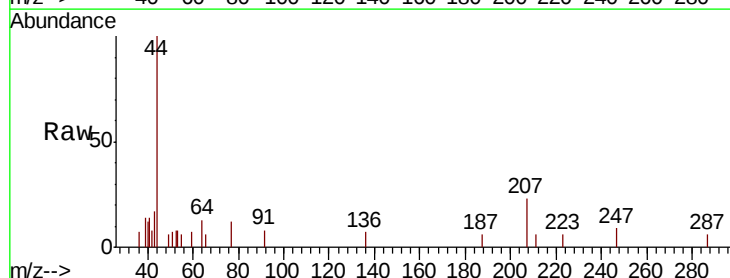
Tgt Ion: 53 Resp: 326

Ion Ratio Lower Upper

53 100

52 0.0 76.0 114.0#

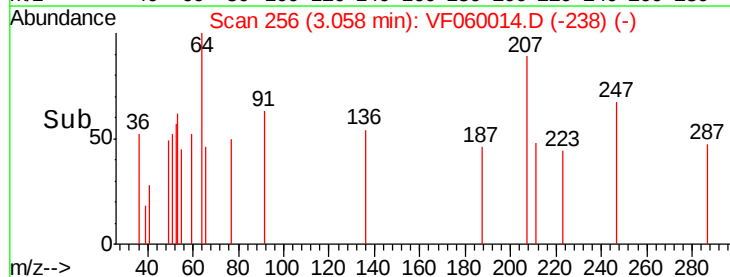
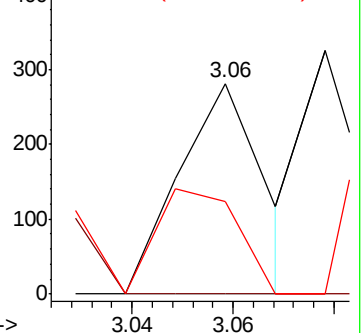
51 43.6 41.9 62.9

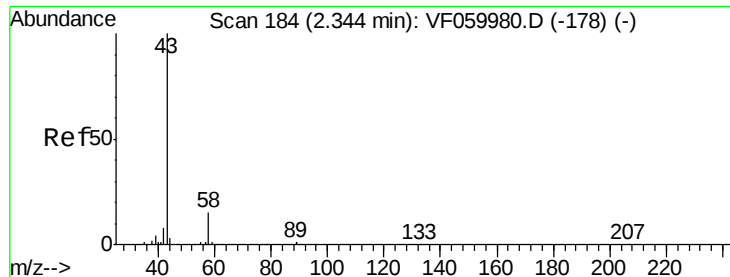


Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0





#16

Acetone

Concen: Below Cal

RT: 2.34 min Scan# 183

Delta R.T. -0.00 min

Lab File: VF060014.D

Acq: 20 Aug 2018 20:47

Instrument :

MSVOA_F

ClientSampleId :

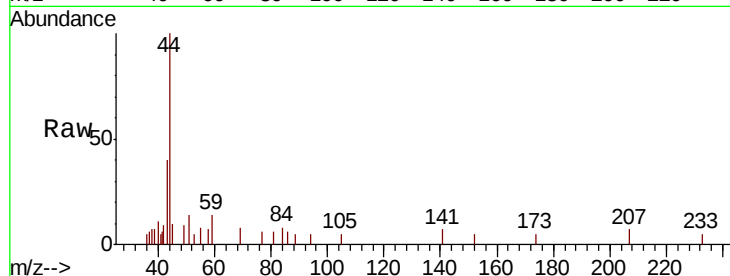
DUP(0-1)

Tot Ion: 43 Resp: 2010

Ion Ratio Lower Upper

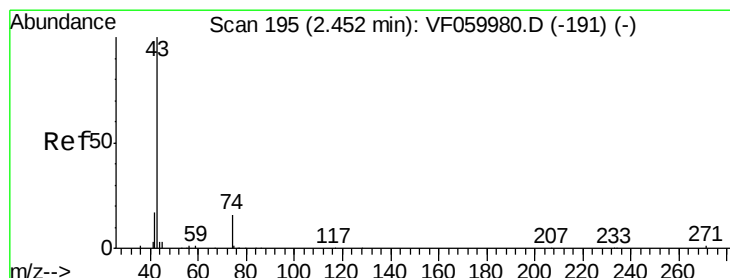
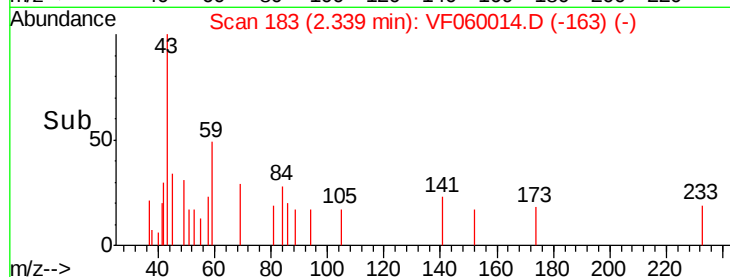
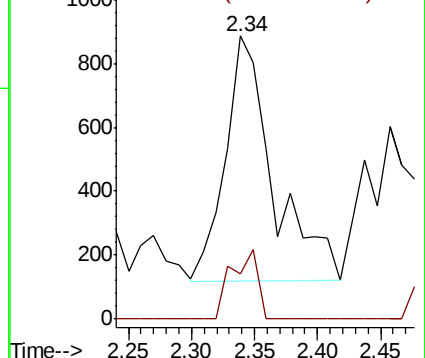
43 100

58 16.1 11.9 17.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#18

Methyl Acetate

Concen: Below Cal

RT: 2.46 min Scan# 195

Delta R.T. 0.01 min

Lab File: VF060014.D

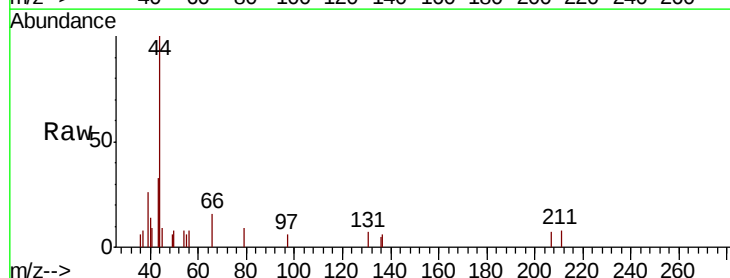
Acq: 20 Aug 2018 20:47

Tgt Ion: 43 Resp: 1464

Ion Ratio Lower Upper

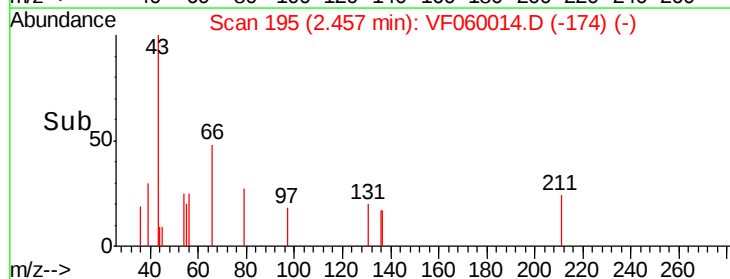
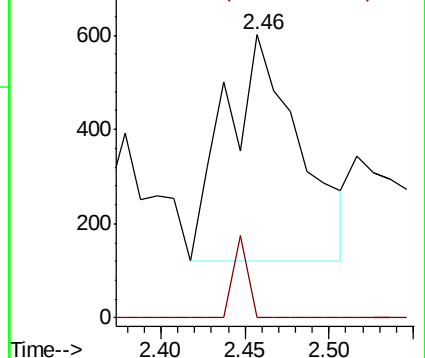
43 100

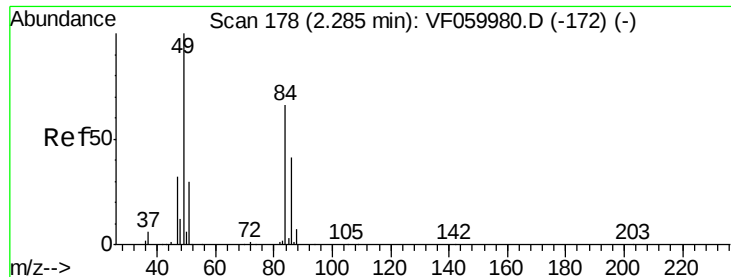
74 0.0 12.3 18.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

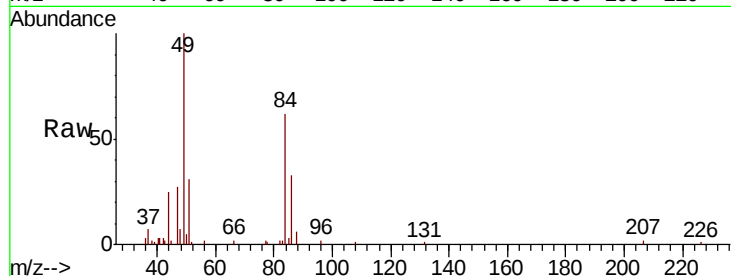




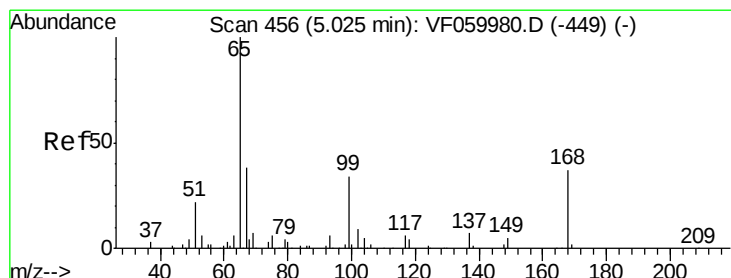
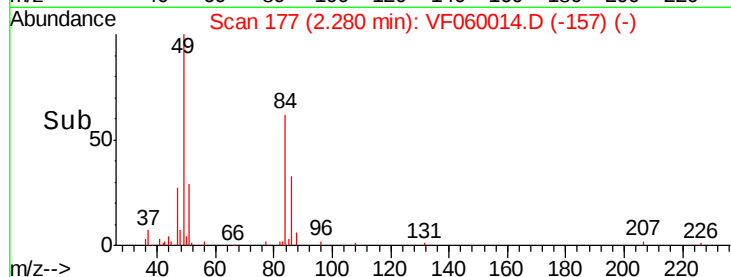
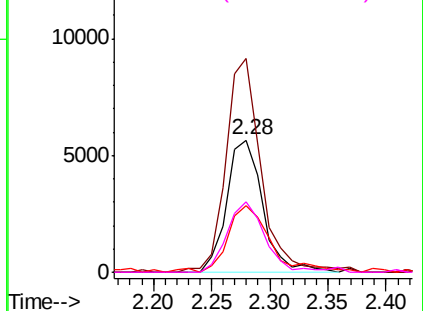
#20
Methvlene Chloride
Concen: 3.16 ug/l
RT: 2.28 min Scan# 177
Delta R.T. -0.00 min
Lab File: VF060014.D
Acq: 20 Aug 2018 20:47

Instrument :
MSVOA_F
ClientSampleId :
DUP(0-1)

Tot Ion	Ratio	Lower	Upper
84	100		
49	162.0	122.5	183.7
51	50.9	37.1	55.7
86	53.8	50.2	75.2

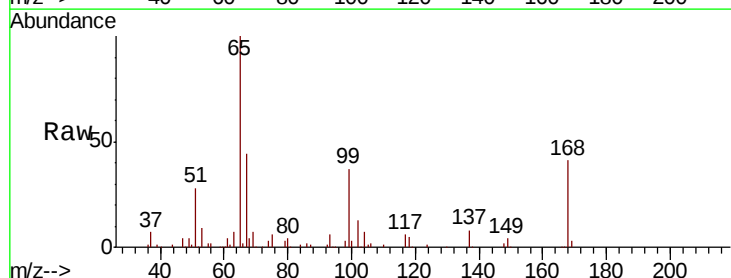


Abundance Ion 84.00 (83.70 to 84.70): VF0
Ion 49.00 (48.70 to 49.70): VF0
Ion 51.00 (50.70 to 51.70): VF0
Ion 86.00 (85.70 to 86.70): VF0

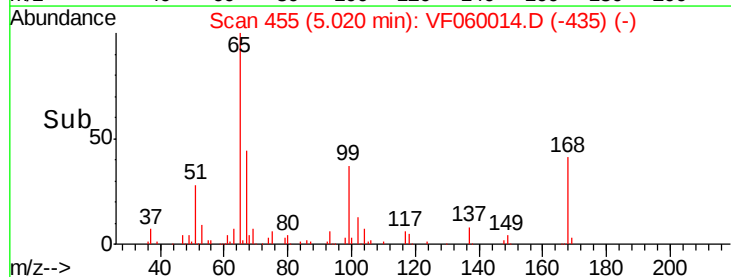
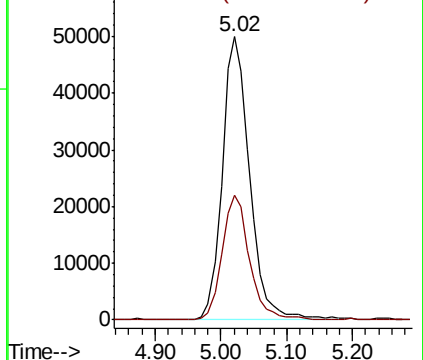


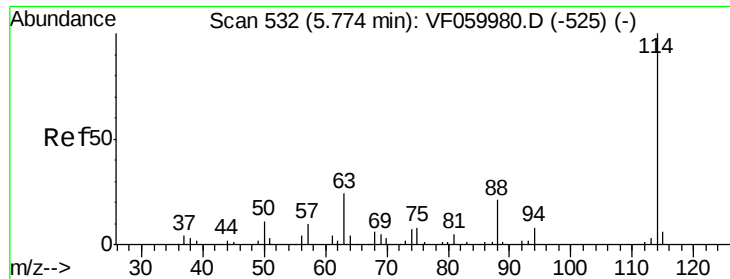
#33
1,2-Dichloroethane-d4
Concen: 46.09 ug/l
RT: 5.02 min Scan# 455
Delta R.T. -0.00 min
Lab File: VF060014.D
Acq: 20 Aug 2018 20:47

Tgt Ion	Ratio	Lower	Upper
65	100		
67	44.0	0.0	82.6



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

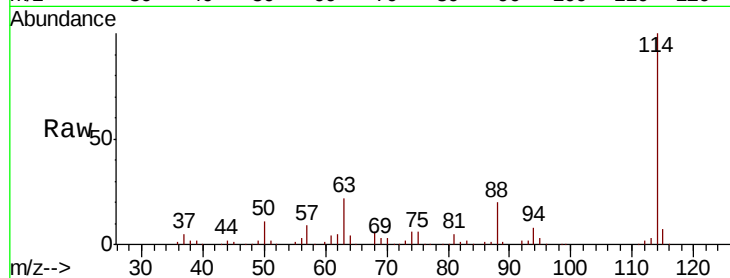




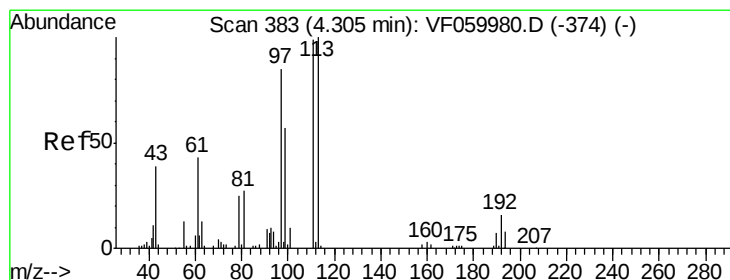
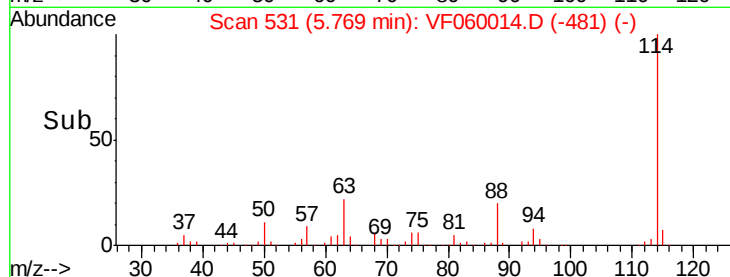
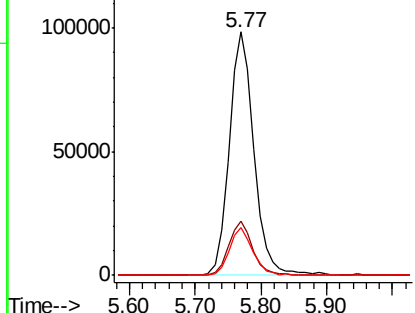
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VF060014.D
 Acq: 20 Aug 2018 20:47

Instrument :
 MSVOA_F
 ClientSampled :
 DUP(0-1)

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	48.6
88	19.7	0.0	42.8

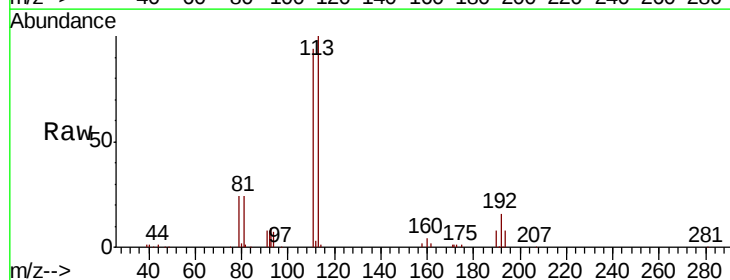


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

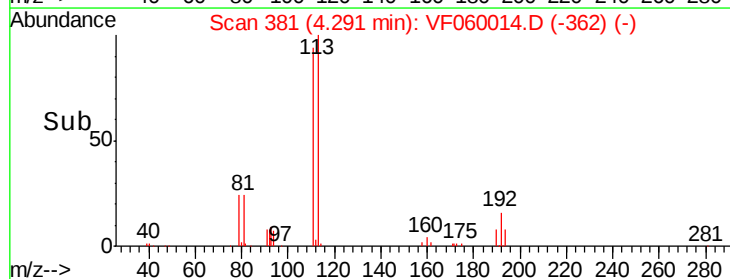
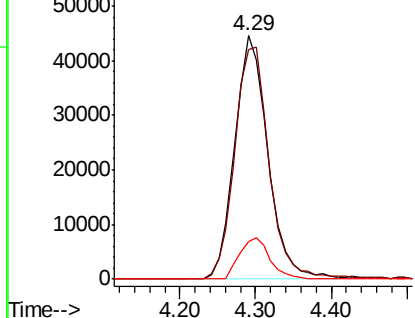


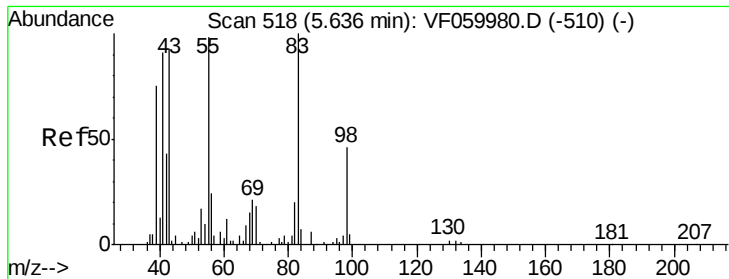
#35
 Dibromofluoromethane
 Concen: 51.13 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VF060014.D
 Acq: 20 Aug 2018 20:47

Tgt Ion	Ratio	Lower	Upper
113	100		
111	94.2	79.5	119.3
192	15.6	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

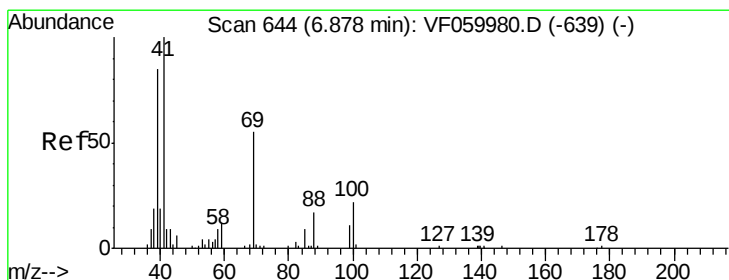
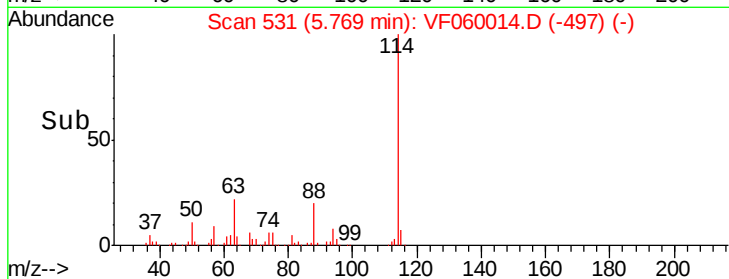
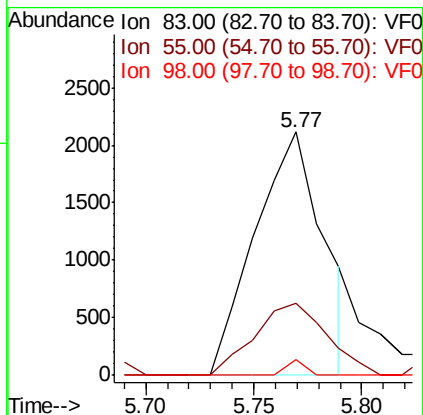
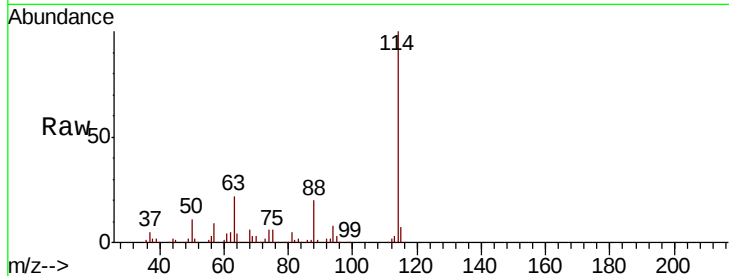




#39
Methylcyclohexane
Concen: 2.10 ug/l
RT: 5.77 min Scan# 531
Delta R.T. 0.13 min
Lab File: VF060014.D
Acq: 20 Aug 2018 20:47

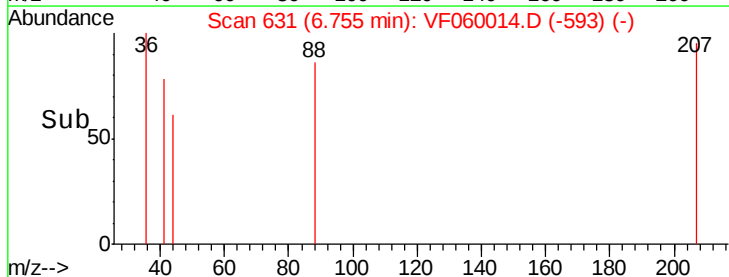
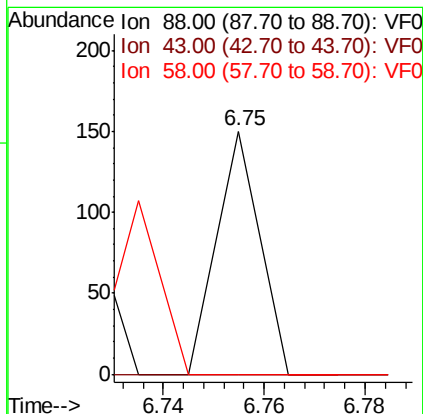
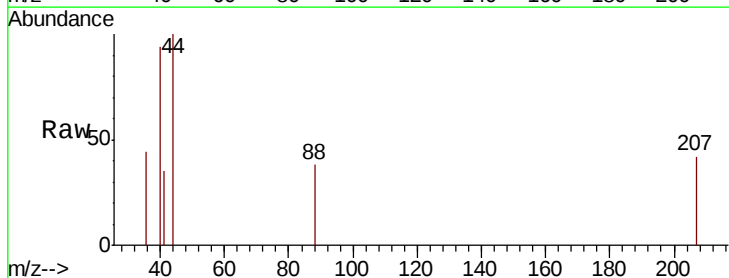
Instrument :
MSVOA_F
ClientSampled :
DUP(0-1)

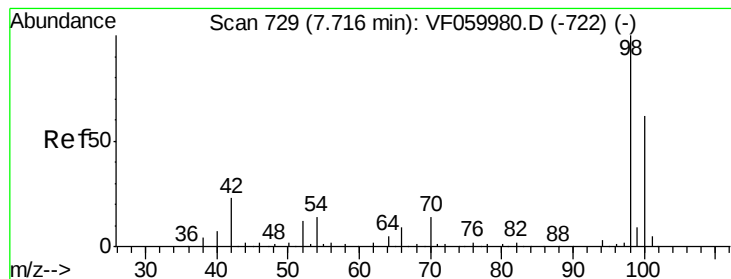
Tot Ion: 83 Resp: 4649
Ion Ratio Lower Upper
83 100
55 29.6 78.8 118.2#
98 6.6 36.8 55.2#



#49
1,4-Dioxane
Concen: 64.55 ug/l
RT: 6.75 min Scan# 631
Delta R.T. -0.12 min
Lab File: VF060014.D
Acq: 20 Aug 2018 20:47

Tgt Ion: 88 Resp: 89
Ion Ratio Lower Upper
88 100
43 0.0 43.2 64.8#
58 0.0 42.0 63.0#





#50

Toluene-d8

Concen: 51.26 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.00 min

Lab File: VF060014.D

Acq: 20 Aug 2018 20:47

Instrument :

MSVOA_F

ClientSampled :

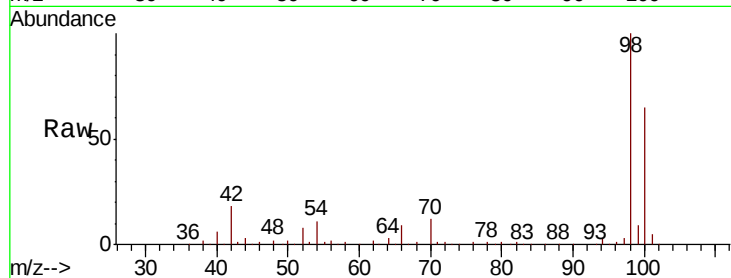
DUP(0-1)

Tot Ion: 98 Resp: 301454

Ion Ratio Lower Upper

98 100

100 65.4 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

7.71

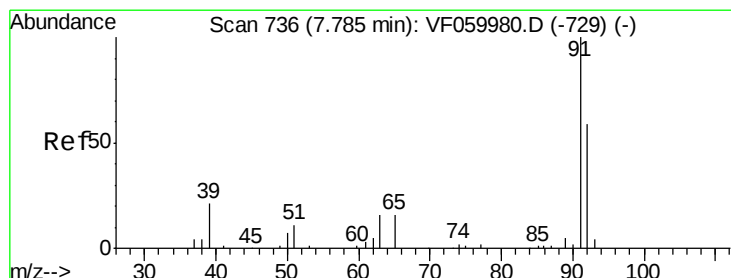
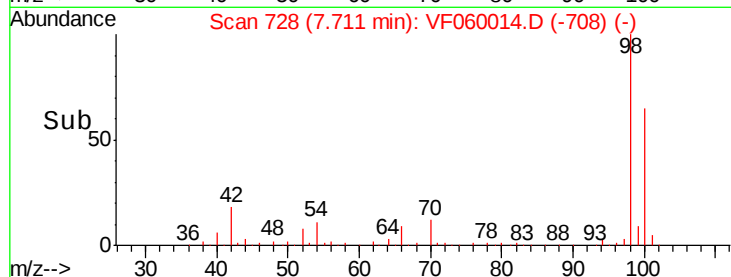
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 1.57 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.07 min

Lab File: VF060014.D

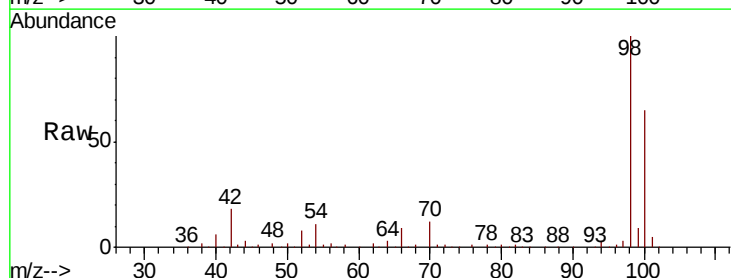
Acq: 20 Aug 2018 20:47

Tgt Ion: 63 Resp: 229

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

7.71

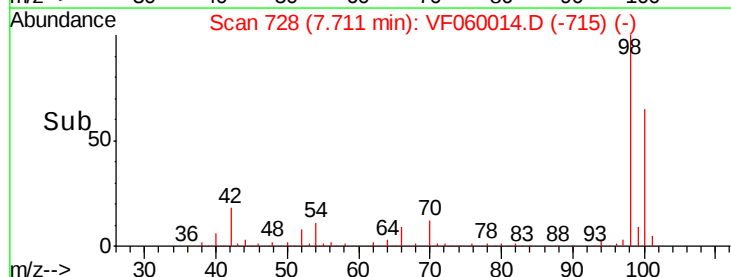
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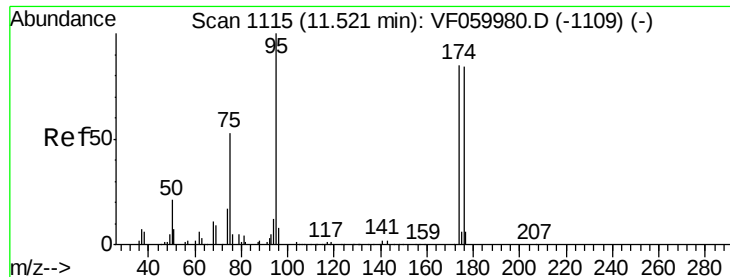
100

50

0

Time-->





#62

4-Bromofluorobenzene

Concen: 36.69 ug/l

RT: 11.52 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VF060014.D

Acq: 20 Aug 2018 20:47

Instrument :

MSVOA_F

ClientSampleId :

DUP(0-1)

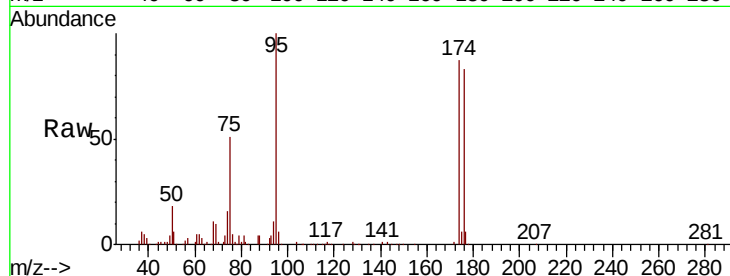
Tot Ion: 95 Resp: 132400

Ion Ratio Lower Upper

95 100

174 87.4 0.0 169.8

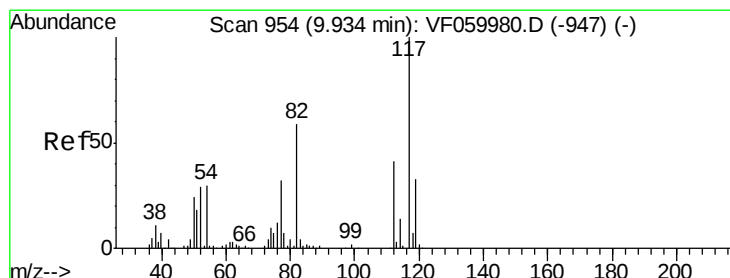
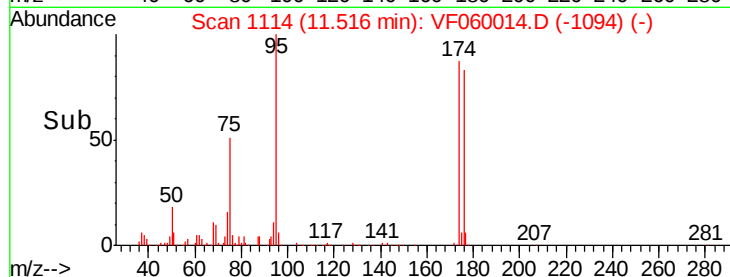
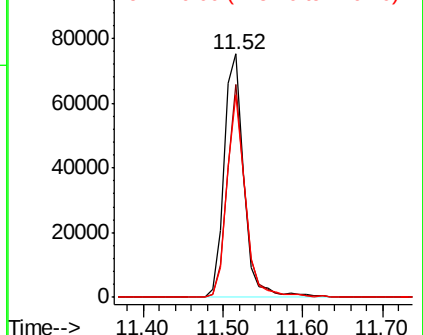
176 83.5 0.0 167.8



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.92 min Scan# 952

Delta R.T. -0.01 min

Lab File: VF060014.D

Acq: 20 Aug 2018 20:47

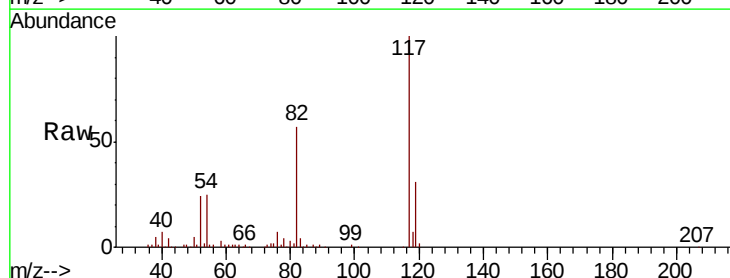
Tgt Ion: 117 Resp: 263403

Ion Ratio Lower Upper

117 100

82 57.3 47.2 70.8

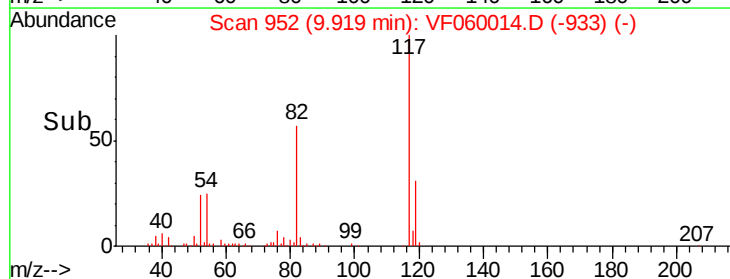
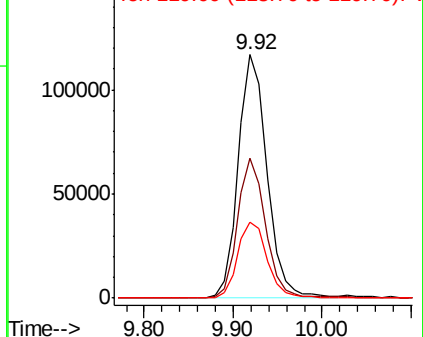
119 31.2 26.1 39.1

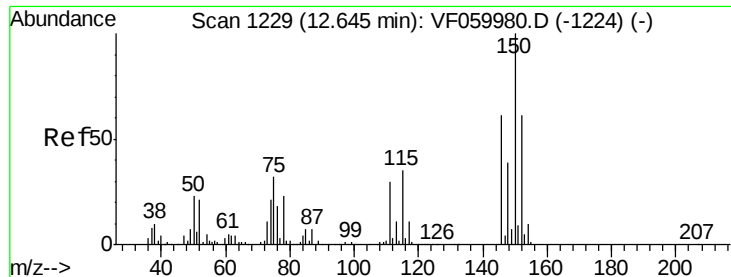


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF060014.D

Acq: 20 Aug 2018 20:47

Instrument :

MSVOA_F

ClientSampleId :

DUP(0-1)

Tot Ion:152 Resp: 116606

Ion Ratio Lower Upper

152 100

115 65.0 29.1 87.3

150 163.3 0.0 330.2

