

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062018\
 Data File : VF059235.D
 Acq On : 20 Jun 2018 19:36
 Operator : VA/AP
 Sample : J3575-06
 Misc : 12.80g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 21 06:38:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 10:52:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	229422	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	352287	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	353938	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	208916	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	162562	58.42	ug/l	0.00
Spiked Amount			Recovery	=	116.84%	
35) Dibromofluoromethane	4.29	113	142405	57.61	ug/l	0.00
Spiked Amount			Recovery	=	115.22%	
50) Toluene-d8	7.70	98	316008	43.52	ug/l	0.00
Spiked Amount			Recovery	=	87.04%	
62) 4-Bromofluorobenzene	11.50	95	174596	46.88	ug/l	0.00
Spiked Amount			Recovery	=	93.76%	

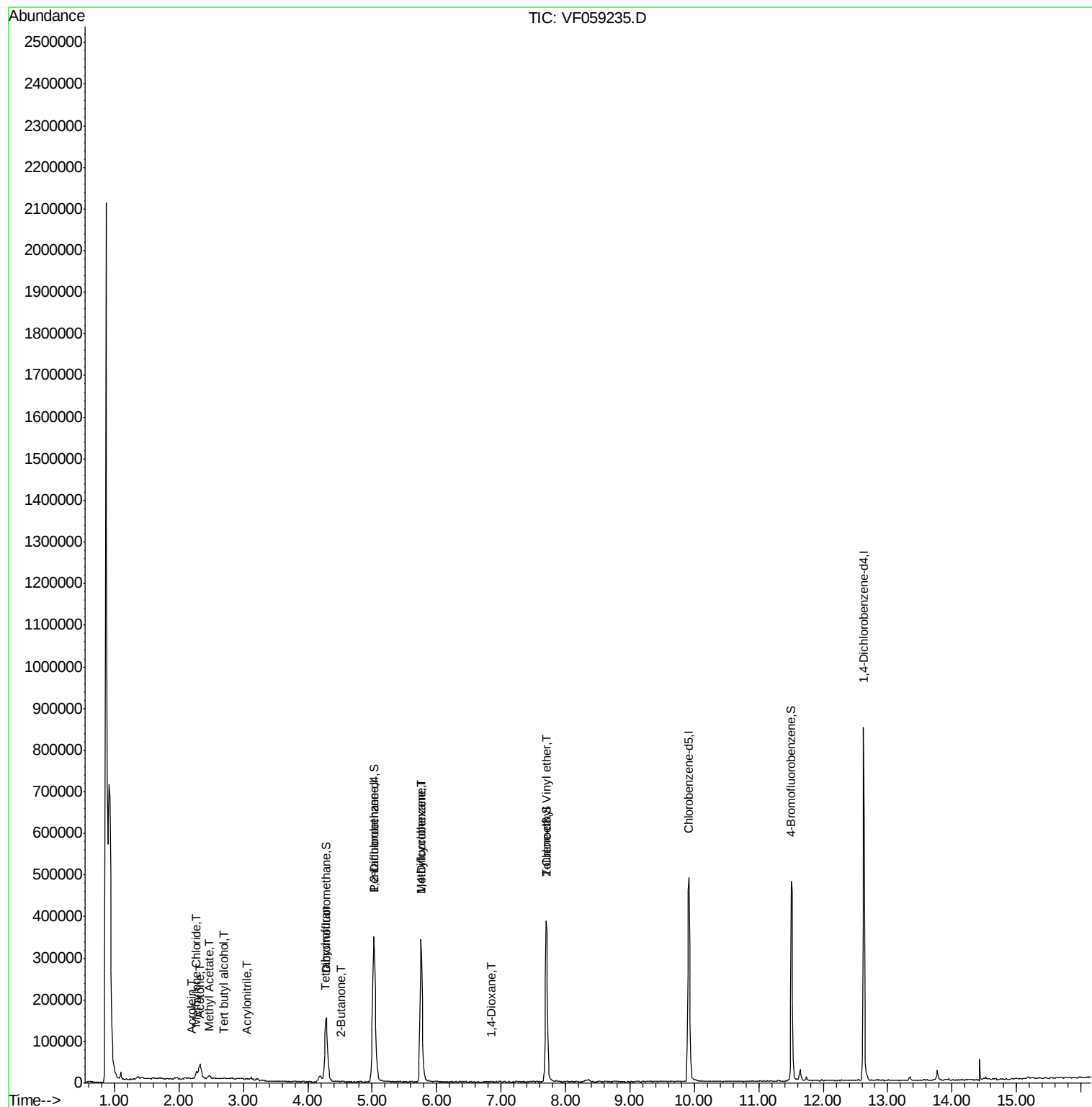
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.69	59	1551	8.700	ug/l #	1
13) Acrolein	2.21	56	164	1.063	ug/l	85
15) Acrylonitrile	3.05	53	448	1.265	ug/l #	4
16) Acetone	2.33	43	42404	63.830	ug/l	93
18) Methyl Acetate	2.45	43	6143	5.379	ug/l	99
20) Methylene Chloride	2.27	84	7172	4.509	ug/l #	91
25) 2-Butanone	4.51	43	1800	1.748	ug/l #	56
29) Tetrahydrofuran	4.26	42	600	1.322	ug/l #	72
39) Methylcyclohexane	5.76	83	4804	1.380	ug/l #	44
49) 1,4-Dioxane	6.84	88	61	17.371	ug/l #	25
58) 2-Chloroethyl Vinyl ether	7.71	63	362	1.941	ug/l	100
89) n-Butylbenzene	12.91	91	612	Below Cal	#	53

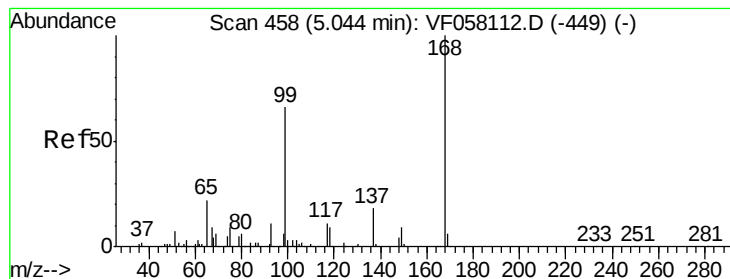
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF062018\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 10:52:00 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059235.D

Acq: 20 Jun 2018 19:36

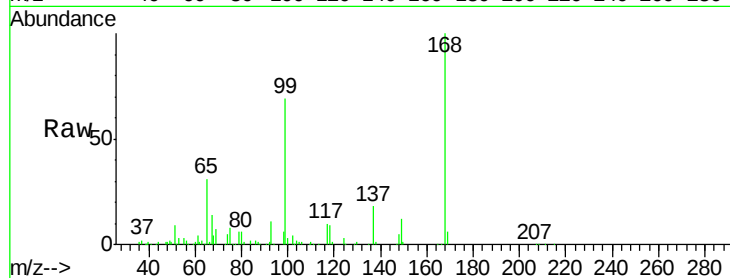
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 229422

Ion Ratio Lower Upper

168 100

99 68.5 52.9 79.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

80000

60000

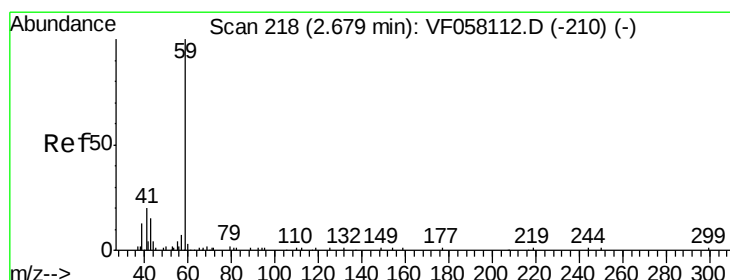
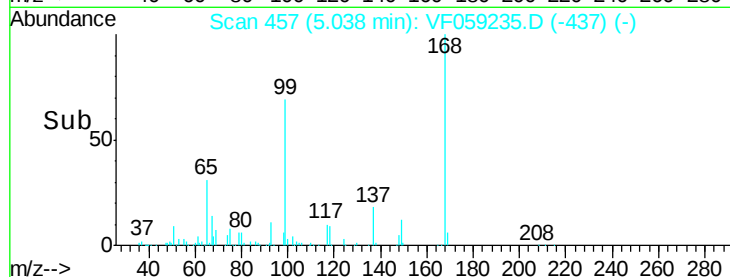
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#11

Tert butyl alcohol

Concen: 8.700 ug/l

RT: 2.69 min Scan# 219

Delta R.T. 0.01 min

Lab File: VF059235.D

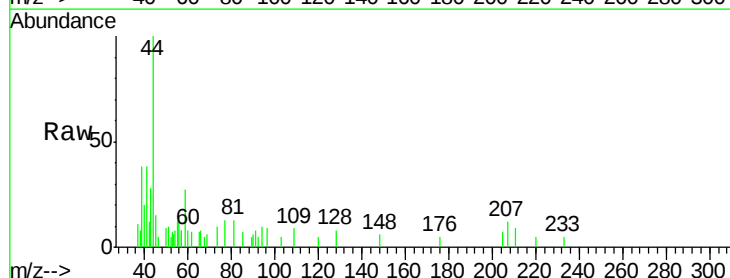
Acq: 20 Jun 2018 19:36

Tgt Ion: 59 Resp: 1551

Ion Ratio Lower Upper

59 100

57 61.1 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.69

600

500

400

300

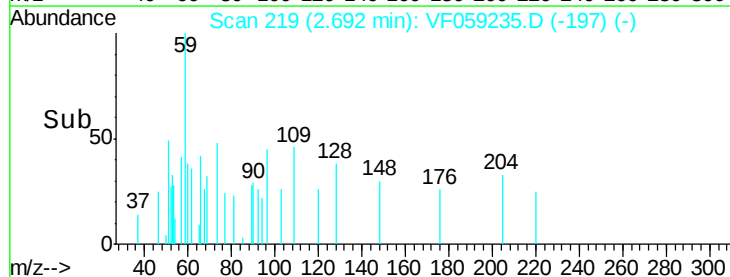
200

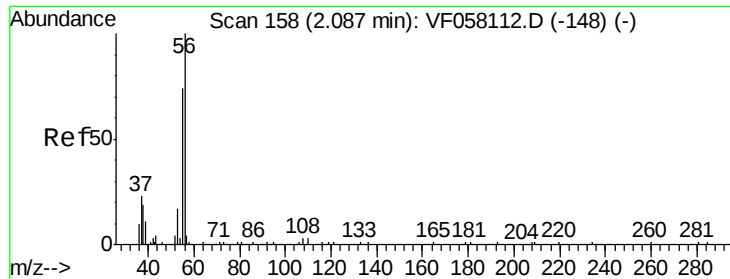
100

0

2.55 2.60 2.65 2.70 2.75

Time-->





#13

Acrolein

Concen: 1.063 ug/l

RT: 2.21 min Scan# 170

Delta R.T. 0.12 min

Lab File: VF059235.D

Acq: 20 Jun 2018 19:36

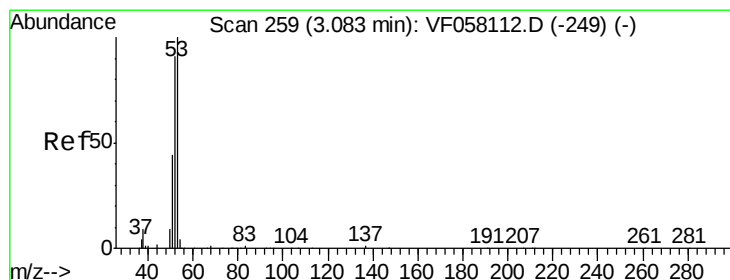
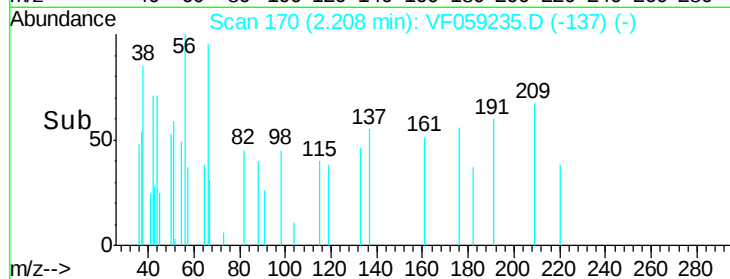
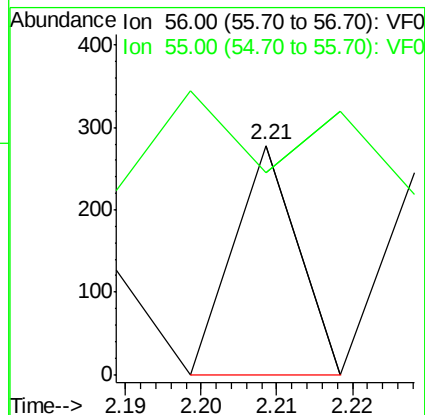
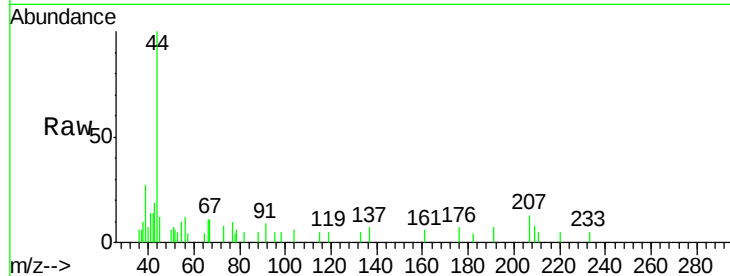
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 164

Ion Ratio Lower Upper

56 100

55 88.1 60.0 90.0



#15

Acrylonitrile

Concen: 1.265 ug/l

RT: 3.05 min Scan# 255

Delta R.T. -0.04 min

Lab File: VF059235.D

Acq: 20 Jun 2018 19:36

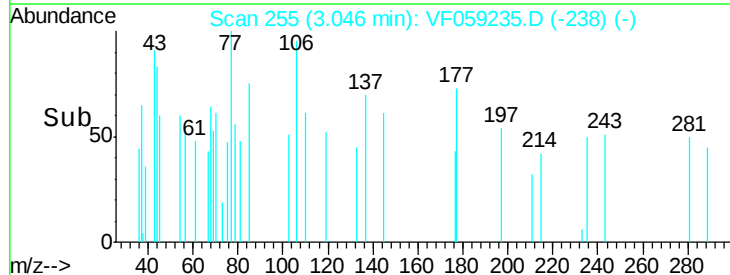
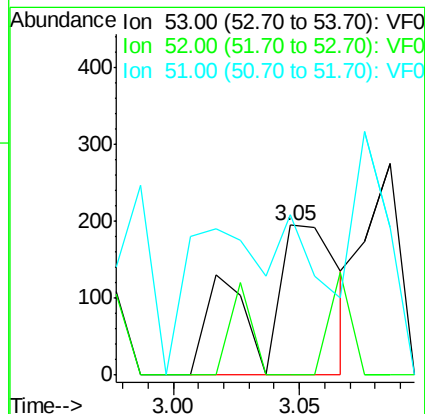
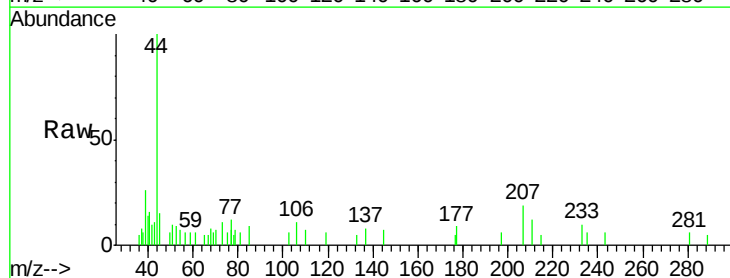
Tgt Ion: 53 Resp: 448

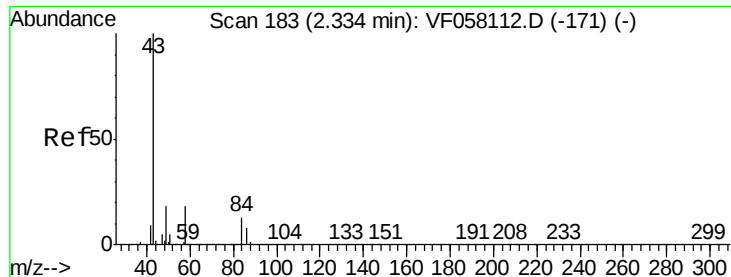
Ion Ratio Lower Upper

53 100

52 0.0 73.2 109.8#

51 106.7 35.6 53.4#





#16

Acetone

Concen: 63.830 ug/l

RT: 2.33 min Scan# 182

Delta R.T. -0.01 min

Lab File: VF059235.D

Acq: 20 Jun 2018 19:36

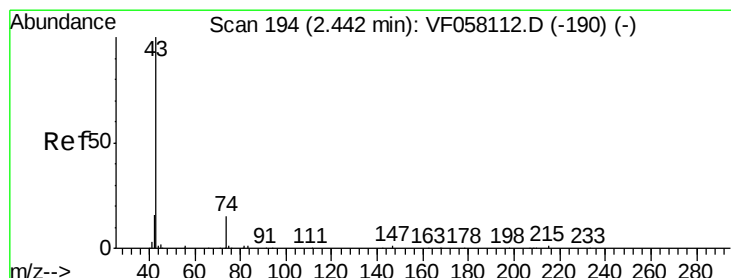
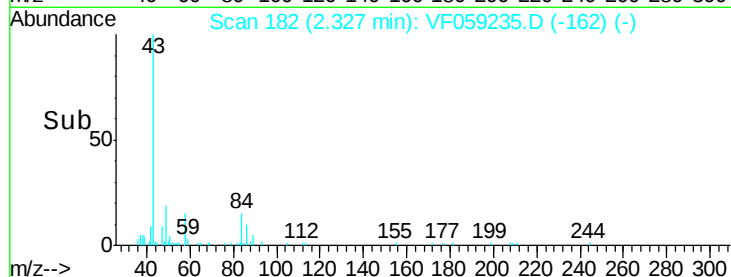
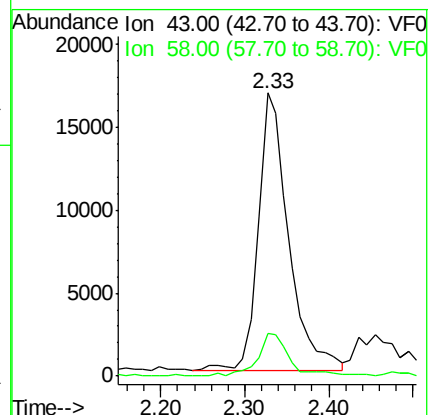
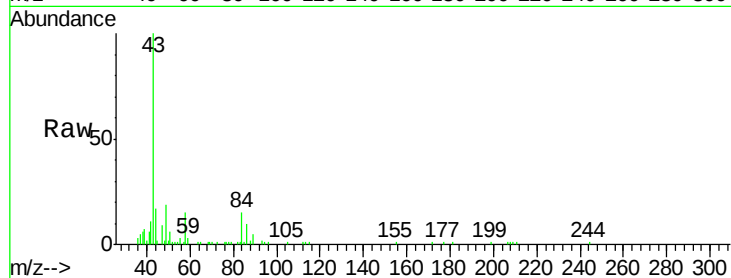
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 42404

Ion Ratio Lower Upper

43 100

58 15.1 14.4 21.6



#18

Methyl Acetate

Concen: 5.379 ug/l

RT: 2.45 min Scan# 195

Delta R.T. 0.01 min

Lab File: VF059235.D

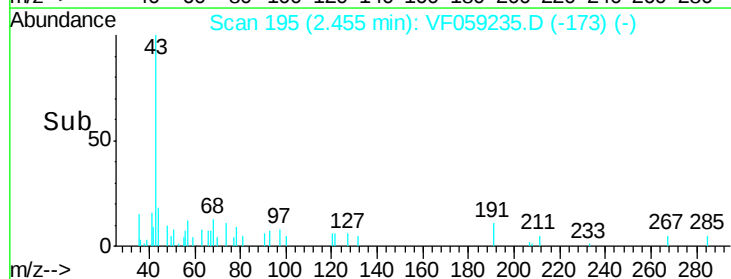
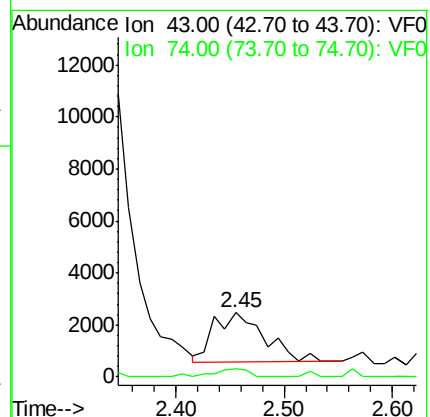
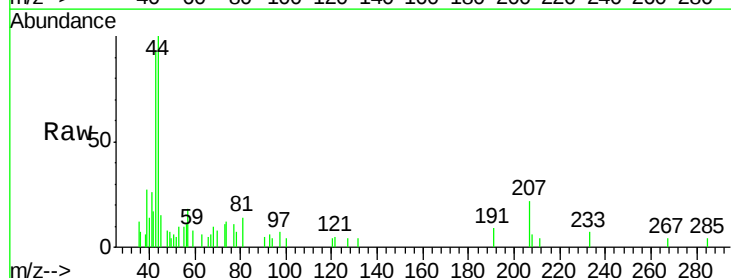
Acq: 20 Jun 2018 19:36

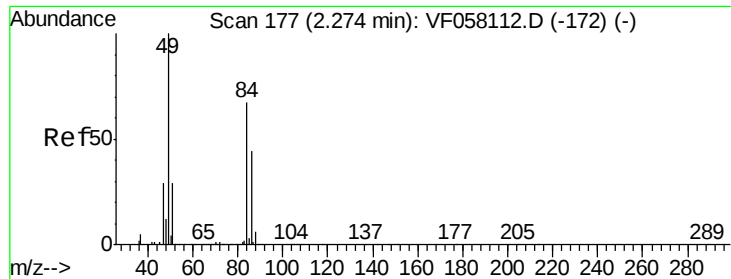
Tgt Ion: 43 Resp: 6143

Ion Ratio Lower Upper

43 100

74 13.3 10.9 16.3

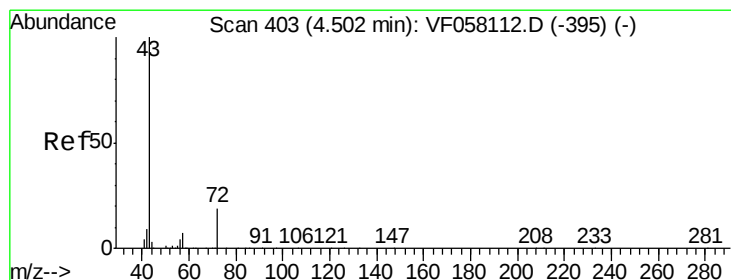
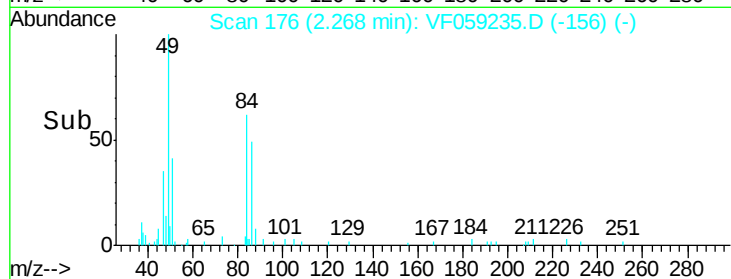
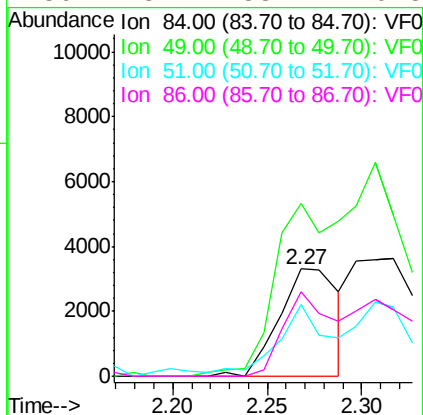
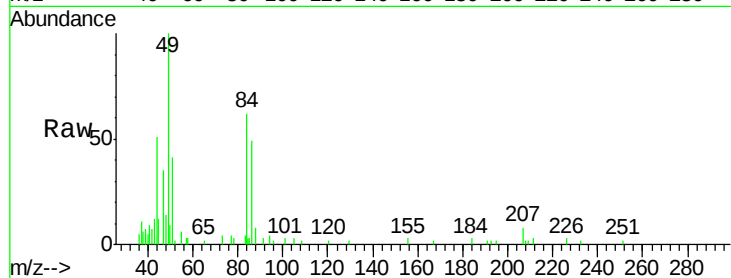




#20
Methvlene Chloride
Concen: 4.509 ug/l
RT: 2.27 min Scan# 176
Delta R.T. -0.01 min
Lab File: VF059235.D
Acq: 20 Jun 2018 19:36

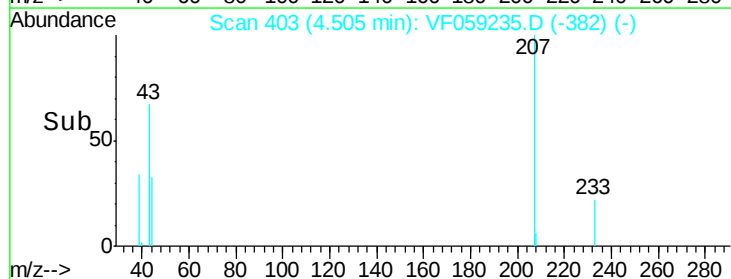
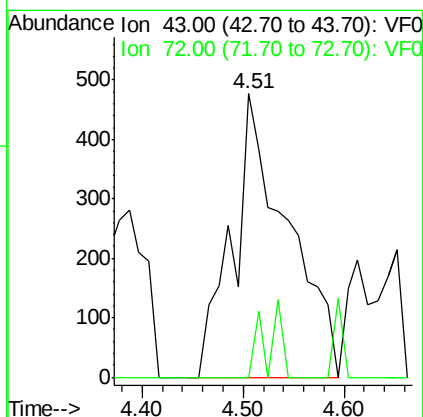
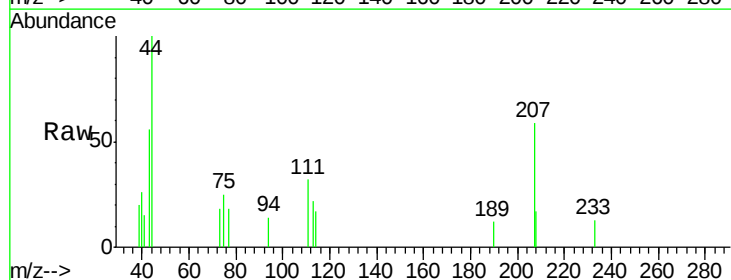
Instrument :
MSVOA_F
ClientSampleId :

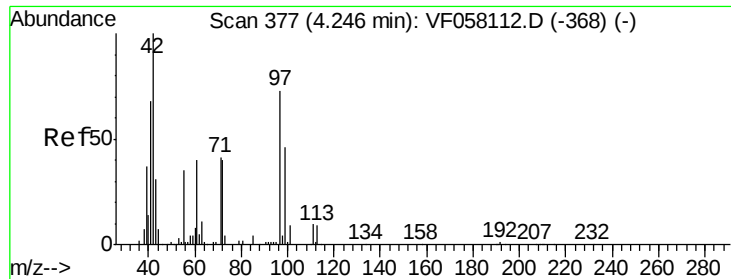
Tot Ion: 84 Resp: 7172
Ion Ratio Lower Upper
84 100
49 153.7 121.0 181.4
51 63.2 35.8 53.6#
86 75.4 53.2 79.8



#25
2-Butanone
Concen: 1.748 ug/l
RT: 4.51 min Scan# 403
Delta R.T. 0.00 min
Lab File: VF059235.D
Acq: 20 Jun 2018 19:36

Tgt Ion: 43 Resp: 1800
Ion Ratio Lower Upper
43 100
72 0.0 16.1 24.1#

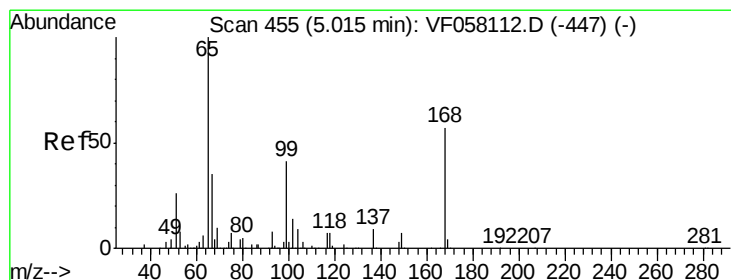
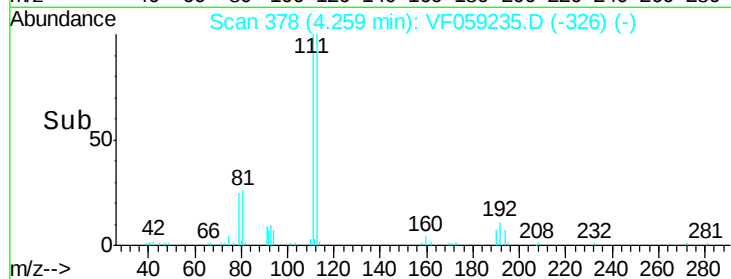
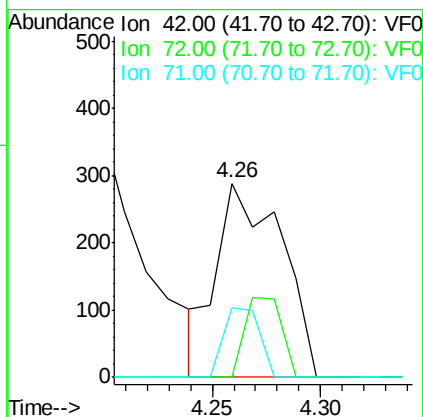
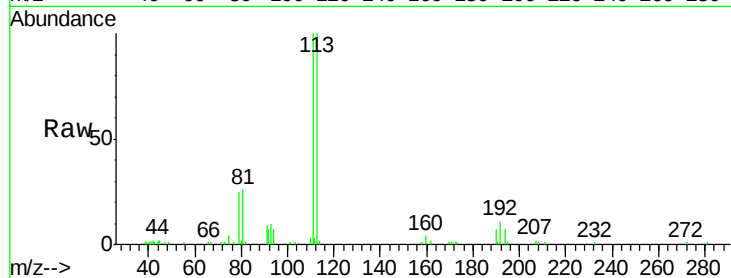




#29
Tetrahydrofuran
Concen: 1.322 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.01 min
Lab File: VF059235.D
Acq: 20 Jun 2018 19:36

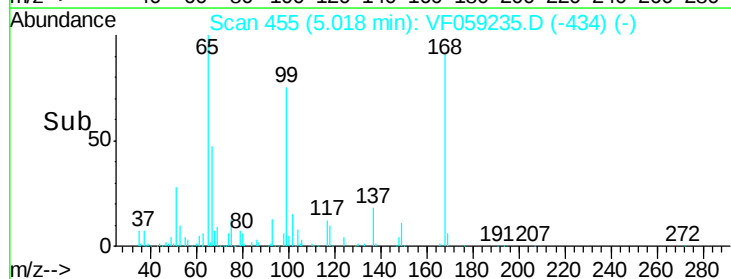
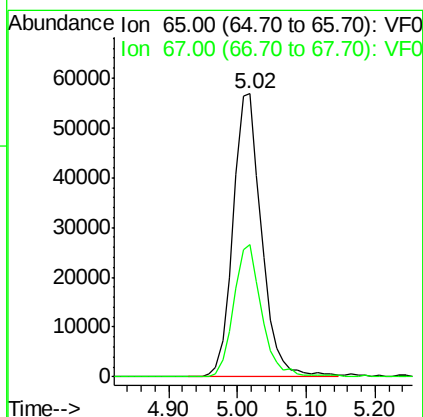
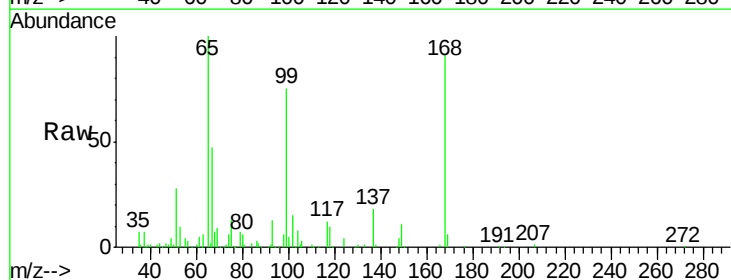
Instrument :
MSVOA_F
ClientSampled :

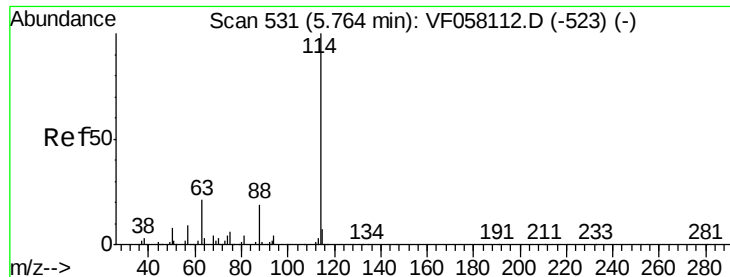
Tot Ion	Ratio	Lower	Upper
42	100		
72	23.0	30.5	45.7#
71	20.2	31.5	47.3#



#33
1,2-Dichloroethane-d4
Concen: 58.425 ug/l
RT: 5.02 min Scan# 455
Delta R.T. 0.00 min
Lab File: VF059235.D
Acq: 20 Jun 2018 19:36

Tgt Ion	Ratio	Lower	Upper
65	100		
67	46.8	0.0	97.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.01 min

Lab File: VF059235.D

Acq: 20 Jun 2018 19:36

Instrument :

MSVOA_F

ClientSampleId :

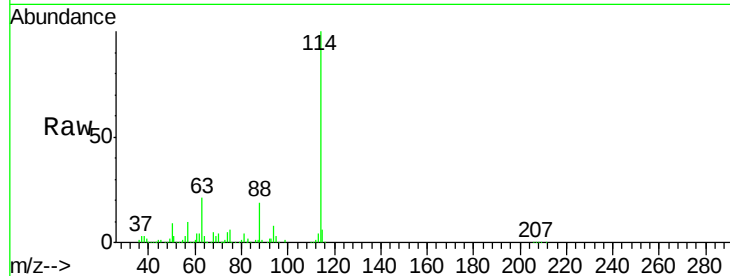
Tot Ion:114 Resp: 352287

Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.6

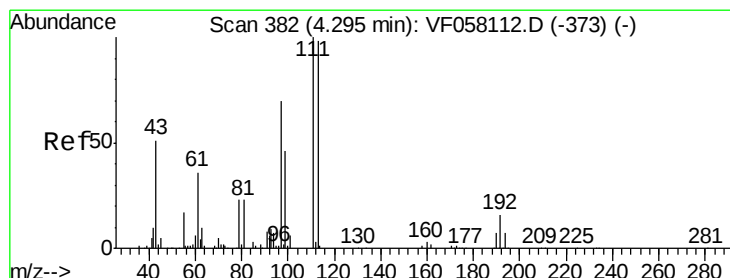
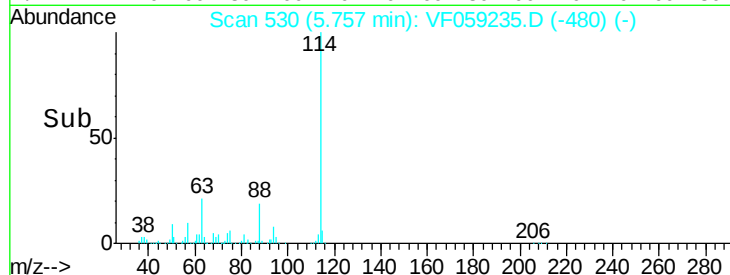
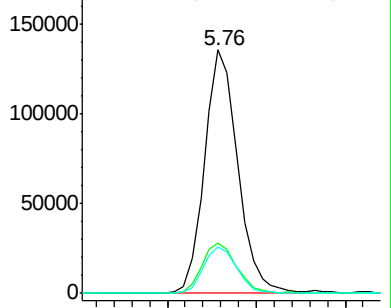
88 19.2 0.0 38.8



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: 57.609 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059235.D

Acq: 20 Jun 2018 19:36

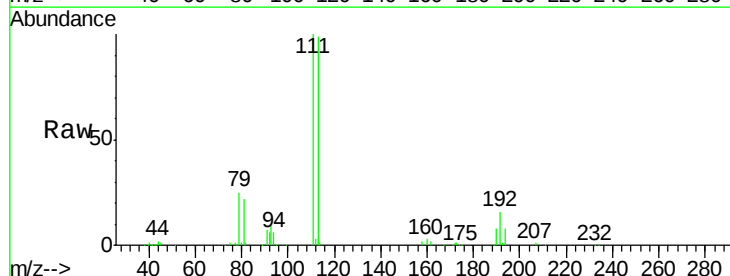
Tgt Ion:113 Resp: 142405

Ion Ratio Lower Upper

113 100

111 100.8 81.3 121.9

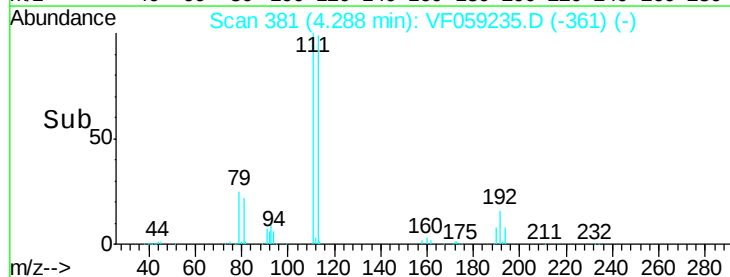
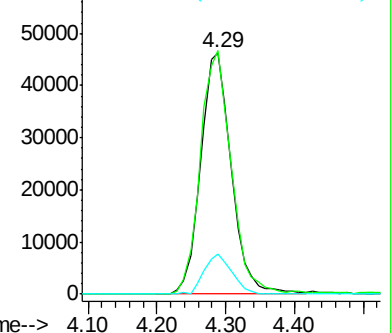
192 16.4 12.7 19.1

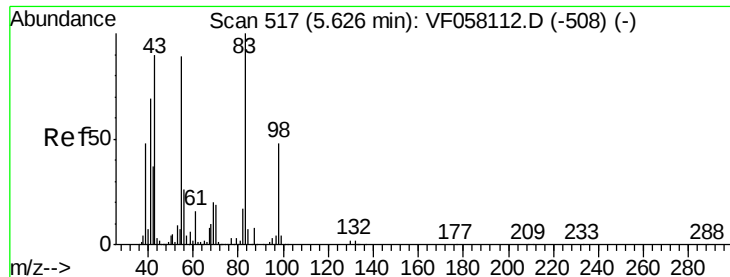


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

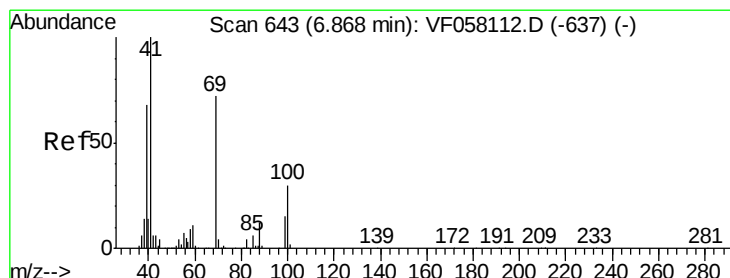
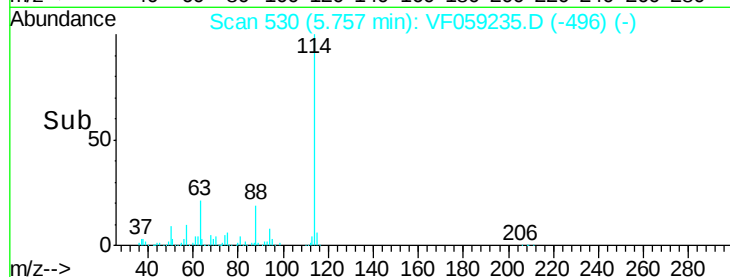
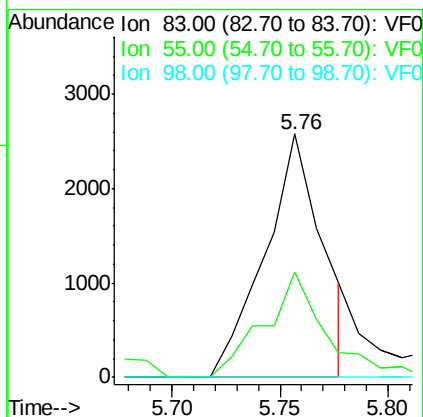
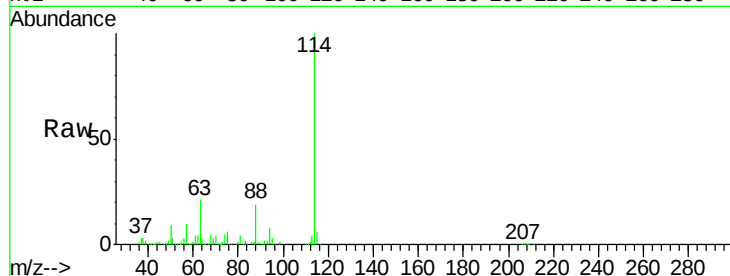




#39
Methylcyclohexane
Concen: 1.380 ug/l
RT: 5.76 min Scan# 530
Delta R.T. 0.13 min
Lab File: VF059235.D
Acq: 20 Jun 2018 19:36

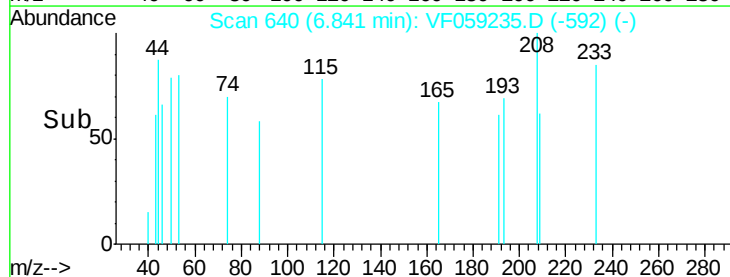
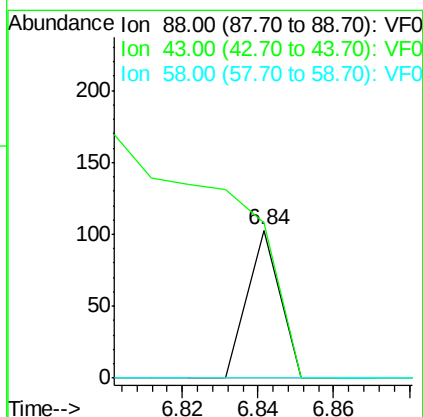
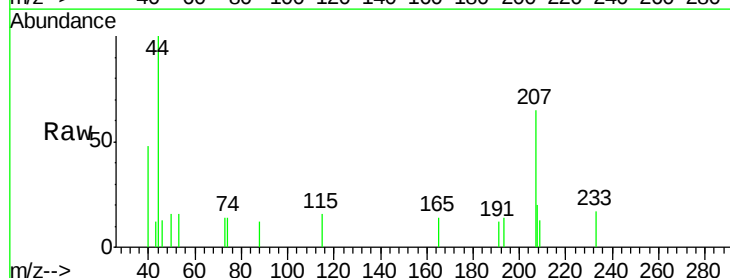
Instrument :
MSVOA_F
ClientSampled :

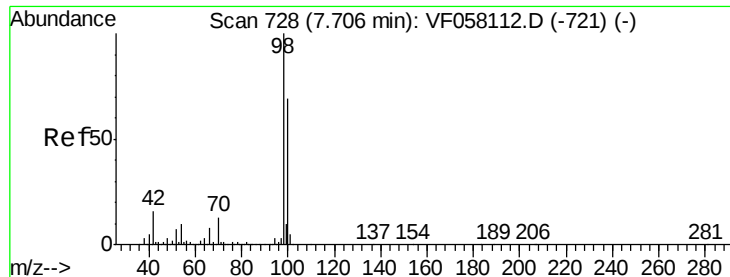
Tot Ion: 83 Resp: 4804
Ion Ratio Lower Upper
83 100
55 43.4 71.0 106.4#
98 0.0 38.1 57.1#



#49
1,4-Dioxane
Concen: 17.371 ug/l
RT: 6.84 min Scan# 640
Delta R.T. -0.03 min
Lab File: VF059235.D
Acq: 20 Jun 2018 19:36

Tgt Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 104.9 47.8 71.8#
58 0.0 59.4 89.0#





#50

Toluene-d8

Concen: 43.516 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.01 min

Lab File: VF059235.D

Acq: 20 Jun 2018 19:36

Instrument :

MSVOA_F

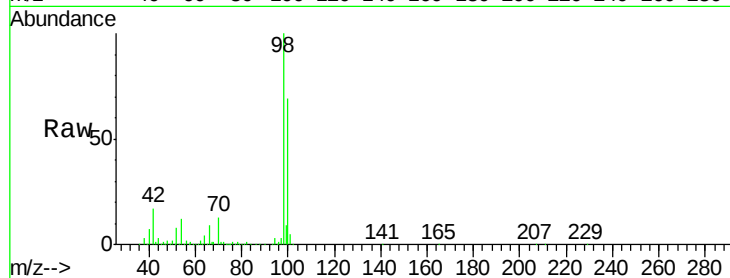
ClientSampleId :

Tot Ion: 98 Resp: 316008

Ion Ratio Lower Upper

98 100

100 68.5 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

7.70

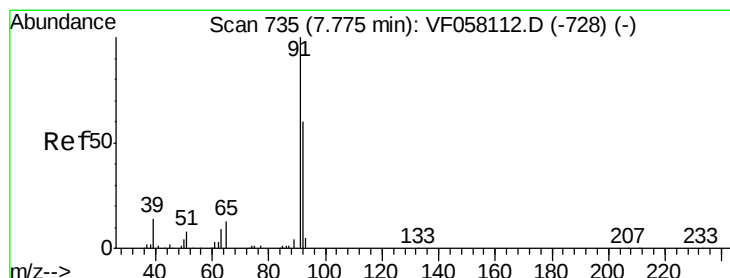
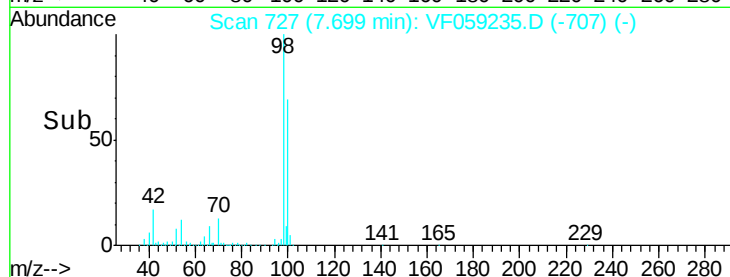
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 1.941 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.07 min

Lab File: VF059235.D

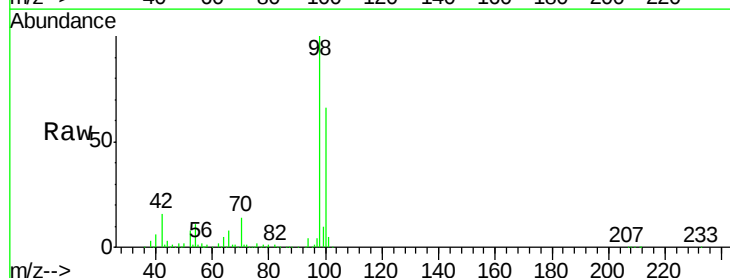
Acq: 20 Jun 2018 19:36

Tgt Ion: 63 Resp: 362

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

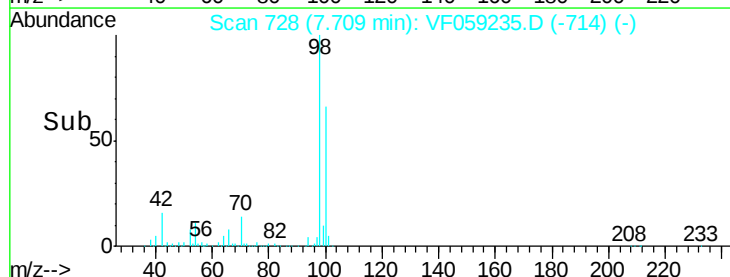
300

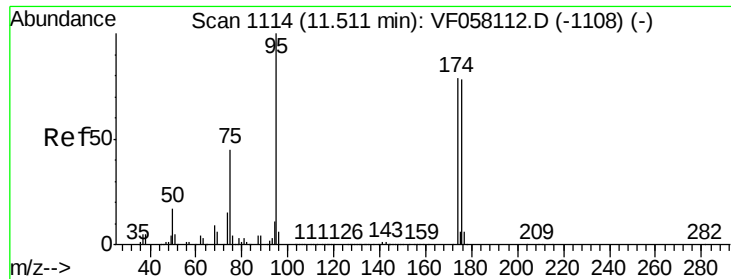
200

100

0

Time-->





#62

4-Bromofluorobenzene

Concen: 46.875 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059235.D

Acq: 20 Jun 2018 19:36

Instrument :

MSVOA_F

ClientSampleId :

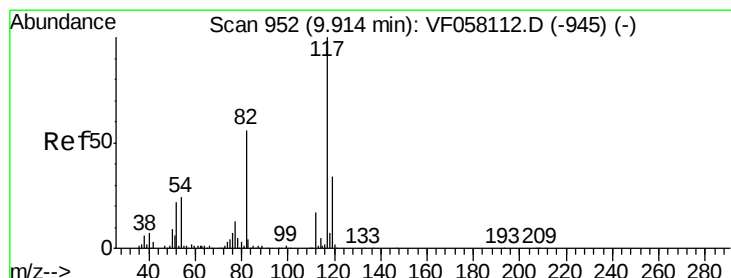
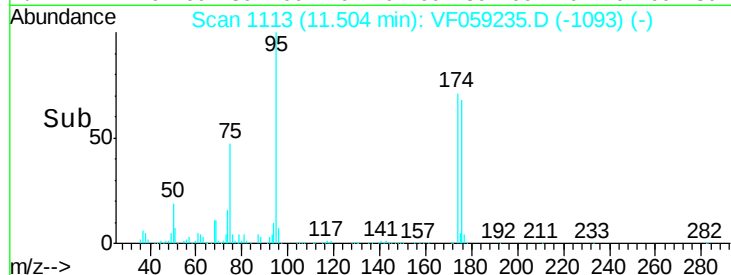
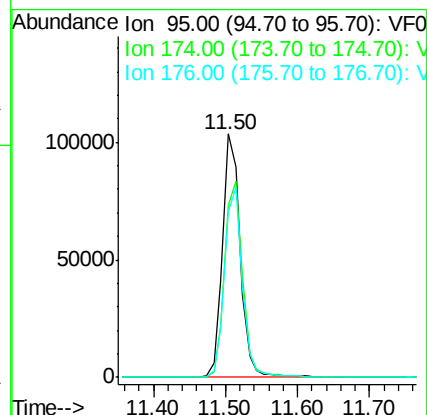
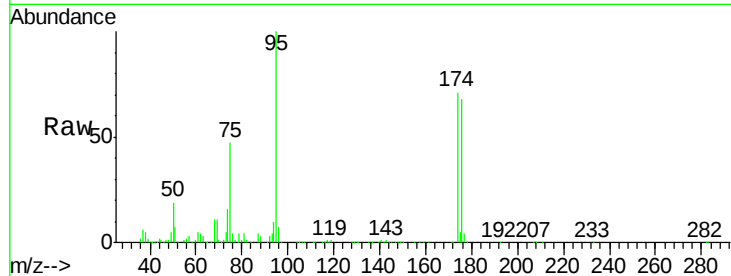
Tot Ion: 95 Resp: 174596

Ion Ratio Lower Upper

95 100

174 70.6 0.0 157.8

176 68.1 0.0 155.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.92 min Scan# 952

Delta R.T. 0.00 min

Lab File: VF059235.D

Acq: 20 Jun 2018 19:36

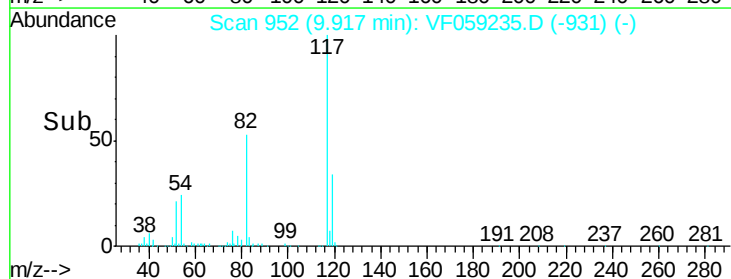
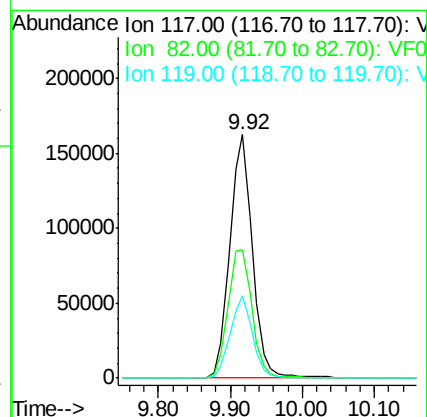
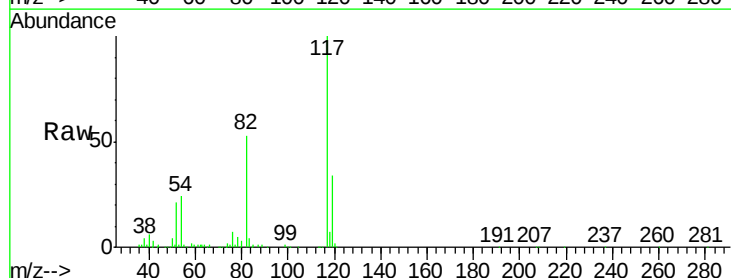
Tgt Ion: 117 Resp: 353938

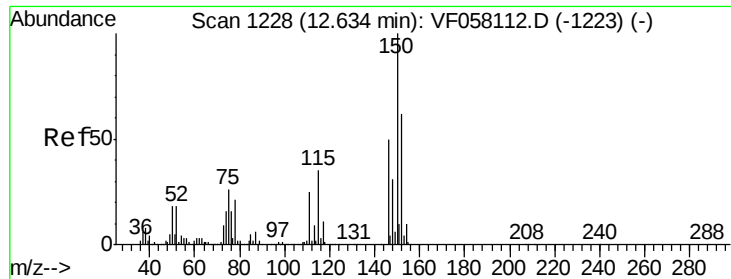
Ion Ratio Lower Upper

117 100

82 52.6 45.2 67.8

119 33.6 27.5 41.3



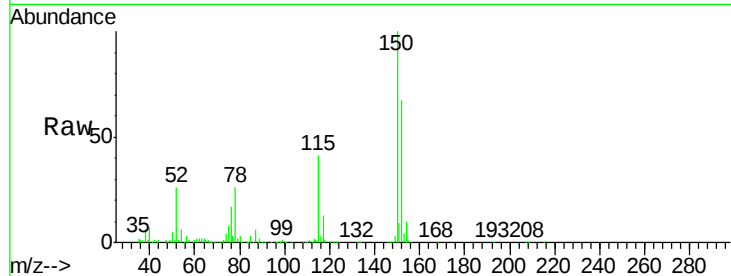


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF059235.D
Acq: 20 Jun 2018 19:36

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	61.2	28.5	85.5
150	150.4	0.0	323.8



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

